

FOURTH QUARTER 1992  
AND 1992 SUMMARY

# H-AREA SEEPAGE BASINS GROUNDWATER MONITORING REPORT (U)

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# Abstract

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During fourth quarter 1992, the groundwater at the H-Area Seepage Basins (HASB) was monitored in compliance with South Carolina Hazardous Waste Management Regulations, R61-79.265, Subpart F. Samples were collected from 130 wells that monitor the three separate hydrostratigraphic units that make up the uppermost aquifer beneath the HASB. A detailed description of the uppermost aquifer is included in the Resource Conservation and Recovery Act Part B Post-Closure Care Permit Application for the H-Area Hazardous Waste Management Facility submitted to the South Carolina Department of Health and Environmental Control in December 1990.

Historically, as well as currently, tritium, nitrate, total alpha-emitting radium, gross alpha, and mercury have been the primary constituents observed above final Primary Drinking Water Standards (PDWS) in groundwater at the HASB. Nonvolatile beta has consistently exceeded its drinking water screening level. Other radionuclides and hazardous constituents also have exceeded the final PDWS in the groundwater at the HASB. These constituents are found primarily in Aquifer Zone IIB<sub>2</sub> (Water Table) and in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean). However, constituents exceeding standards also occur in several wells in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) and Aquifer Unit IIA (Congaree).

Isoconcentration/isoactivity maps included in this report indicate both the concentration/activity and extent of the primary contaminants in each of the three hydrostratigraphic units during first and fourth quarters 1992. Water-level maps indicate that the groundwater flow rates and directions at the HASB have remained relatively constant since the basins ceased to be active in 1988.



# Contents

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	Page
<b>Abstract</b> .....	iii
<b>List of Figures</b> .....	vii
<b>List of Tables</b> .....	xi
<b>Executive Summary</b> .....	1
<b>Introduction</b> .....	3
Description of Facilities .....	3
Hydrostratigraphic Units .....	4
<b>Discussion</b> .....	5
Groundwater Monitoring Data .....	5
Integrity of the Monitoring Well Network .....	6
Analytical Results Exceeding Standards .....	7
Tritium, Nitrate, and pH Time-Trend Data .....	8
Water Levels .....	10
Groundwater Flow Rates and Directions .....	10
Upgradient Versus Downgradient Results .....	13
<b>Conclusions</b> .....	14
<b>Summary 1992</b> .....	16
<b>Errata</b> .....	17
<b>References Cited</b> .....	20
<b>Appendix A – Final Primary Drinking Water Standards</b> .....	A-1
<b>Appendix B – Flagging Criteria</b> .....	B-1
<b>Appendix C – Figures</b> .....	C-1
<b>Appendix D – Groundwater Monitoring Results Tables</b> .....	D-1

**Appendix E – Data Quality/Useability Assessment** ..... E-1

**Appendix F – Time Series Plots** ..... F-1

**Appendix G – Hydrographs** ..... G-1

# List of Figures

---

	<b>Page</b>
1. Hydrostratigraphic Nomenclature . . . . .	C-2
2. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclatures . . . . .	C-3
3. Location of the H-Area Seepage Basins at the Savannah River Site . . . . .	C-4
4. Location of the Groundwater Monitoring Wells at the H-Area Seepage Basins . . . . .	C-5
5. Location of Aquifer Zone IIB <sub>2</sub> (Water Table) Groundwater Monitoring Wells at the H-Area Seepage Basins . . . . .	C-6
6. Location of Upper Portion Aquifer Zone IIB <sub>1</sub> (Barnwell/McBean) Groundwater Monitoring Wells at the H-Area Seepage Basins . . . . .	C-7
7. Location of Lower Portion Aquifer Zone IIB <sub>1</sub> (Barnwell/McBean) Groundwater Monitoring Wells at the H-Area Seepage Basins . . . . .	C-8
8. Location of Aquifer Unit IIA (Congaree) Groundwater Monitoring Wells at the H-Area Seepage Basins . . . . .	C-9
9. Tritium Activities in Aquifer Zone IIB <sub>2</sub> (Water Table) at the H-Area Seepage Basins, First Quarter 1992 . . . . .	C-10
10. Tritium Activities in Aquifer Zone IIB <sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . .	C-11
11. Nitrate Concentrations in Aquifer Zone IIB <sub>2</sub> (Water Table) at the H-Area Seepage Basins, First Quarter 1992 . . . . .	C-12
12. Nitrate Concentrations in Aquifer Zone IIB <sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . .	C-13
13. Tritium Activities in Upper Portion of Aquifer Zone IIB <sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992 . . . . .	C-14
14. Tritium Activities in Upper Portion of Aquifer Zone IIB <sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . .	C-15

15. Nitrate Concentrations in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-16

16. Nitrate Concentrations in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-17

17. Tritium Activities in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-18

18. Tritium Activities in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-19

19. Nitrate Concentrations in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-20

20. Nitrate Concentrations in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-21

21. Tritium Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-22

22. Tritium Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-23

23. Nitrate Concentrations in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-24

24. Nitrate Concentrations in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-25

25. Gross Alpha Activities in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-26

26. Gross Alpha Activities in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-27

27. Nonvolatile Beta Activities in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-28

28. Nonvolatile Beta Activities in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-29

29. Gross Alpha Activities in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-30

30. Gross Alpha Activities in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-31



31. Nonvolatile Beta Activities in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-32

32. Nonvolatile Beta Activities in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-33

33. Gross Alpha Activities in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-34

34. Gross Alpha Activities in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-35

35. Nonvolatile Beta Activities in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-36

36. Nonvolatile Beta Activities in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-37

37. Gross Alpha Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-38

38. Gross Alpha Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-39

39. Nonvolatile Beta Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-40

40. Nonvolatile Beta Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-41

41. Mercury Concentrations in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-42

42. Mercury Concentrations in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-43

43. Mercury Concentrations in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-44

44. Mercury Concentrations in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-45

45. Mercury Concentrations in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-46

46. Mercury Concentrations in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-47

47. Mercury Concentrations in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, First Quarter 1992 . . . . . C-48

48. Mercury Concentrations in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-49

49. pH Levels in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-50

50. Specific Conductance in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-51

51. pH Levels in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-52

52. Specific Conductance in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-53

53. pH Levels in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-54

54. Specific Conductance in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-55

55. pH Levels in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-56

56. Specific Conductance in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-57

57. Piezometric Surface Map of Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins . . . . . C-58

58. Piezometric Surface Map of Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins . . . . . C-59

59. Piezometric Surface Map of Lower Portio. of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins . . . . . C-60

60. Piezometric Surface Map of Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins . . . . . C-61

# List of Tables

---

	<b>Page</b>
1. Constituents Exceeding the Final Primary Drinking Water Standards . . . . .	D-5
2. Constituents Exceeding Half the Final Primary Drinking Water Standards or Other Flag 1 or Flag 2 Criteria . . . . .	D-13
3. Groundwater Monitoring Results for Individual Wells . . . . .	D-22



# Executive Summary

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Currently, 130 wells of the HSB series monitor the groundwater in the uppermost aquifer beneath the H-Area Seepage Basins (HASB) at the Savannah River Site (SRS) as required by the South Carolina Hazardous Waste Management Regulations. 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 final Primary Drinking Water Standards (PDWS), drinking water screening levels, or SRS flagging criteria for fourth quarter 1992.

Reports for first, second, and third quarters are submitted to the South Carolina Department of Health and Environmental Control (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 the U.S. Environmental Protection Agency. Under the approved HASB Hazardous Waste Permit issued November 2, 1992 (SCDHEC, 1992), semiannual reports will be required during 1993. The report for first and second quarters 1993 will be submitted September 30, 1993, and the report for third and fourth quarters 1993 will be submitted March 31, 1994.

During fourth quarter 1992, 10 constituents exceeded the final 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, 84 (64%) exhibited elevated tritium activities and 44 (34%) exhibited elevated nitrate activities. These two constituents were found primarily in Aquifer Zone IIB<sub>2</sub> (Water Table) and in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean). However, tritium activities exceeding the final PDWS also occurred in several wells in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) and Aquifer Unit IIA (Congaree).

Mercury, lead, and cadmium historically have been the primary heavy metals exhibiting elevated concentrations at the HASB. During fourth quarter 1992, mercury exceeded its final PDWS in 11 wells in Aquifer Zone IIB<sub>2</sub> (Water Table) (HSB 68, 101D, 102D, 103D, 104D, 105D, 108D, 125D, 126D, 127D, and 145D). Lead was elevated in 2 wells in Aquifer Zone IIB<sub>2</sub> (Water Table) (HSB115D and 152D). Mercury and lead did not exceed standards in any of the lower water-bearing units. Cadmium did not exceed its final PDWS in any well at the HASB during the quarter.

Tetrachloroethylene was elevated in wells HSB106C, 139C, and 145C, and trichloroethylene was elevated in well HSB145C during fourth quarter 1992. These wells are located in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean).

No constituents exceeded the final PDWS in upgradient Aquifer Zone IIB<sub>2</sub> (Water Table) wells HSB 66 or 85C, upgradient wells in the lower portion of Aquifer Zone IIB<sub>1</sub>

(Barnwell/McBean), or upgradient Aquifer Unit IIA (Congaree) wells. Upgradient Aquifer Zone IIB<sub>2</sub> (Water Table) well HSB 65C exhibited elevated tritium levels. One or more of the downgradient wells at the HASB contained elevated levels of tritium, nitrate, nonvolatile beta, total alpha-emitting radium, gross alpha, mercury, tetrachloroethylene, lead, arsenic, or trichloroethylene.

Using SRS grid coordinates, groundwater flow in Aquifer Zone IIB<sub>2</sub> (Water Table) is to the southwest toward Fourmile Branch; flows in the upper and lower portions of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) are south-southwest. Flow in Aquifer Unit IIA (Congaree) is northwest toward Upper Three Runs Creek. Flow rates during fourth quarter 1992 were estimated to range between approximately 120 ft/yr and 470 ft/yr in Aquifer Zone IIB<sub>2</sub> (Water Table), between 200 ft/yr and 550 ft/yr in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), between 55 ft/yr and 110 ft/yr in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), and at about 330 ft/yr in Aquifer Unit IIA (Congaree).

# Introduction

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## 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 waste water from the H-Area Separations Facility at SRS. In 1962, another basin (H-4) was constructed to replace Basin H-3 due to the slow seepage of waste water from Basin H-3. These unlined, hydraulically connected basins received waste water containing elevated amounts of nitrate, tritium, and other constituents that also included low-level radionuclides and other constituents. Primary sources for this waste water 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 waste water 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.

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<sub>2</sub> (Water Table) and IIB<sub>1</sub> (Barnwell/McBean). Since use of the HASB ceased and the basins were closed, overall tritium and nitrate levels have declined.

Discharge of waste water to the HASB was discontinued on November 7, 1988, and the basins' closure certification was effective in November 31, 1991, according to the South Carolina Hazardous Waste Management Regulations (SCDHEC, 1990). Low permeability closure caps have been constructed over the basins to prevent infiltration of rainwater through basin sediments and to minimize migration of contaminants into the groundwater.

On December 3, 1990, SRS submitted a Resource Conservation and Recovery Act (RCRA) Part B Post-Closure Care Permit Application that includes an implementable plan for groundwater remediation to SCDHEC (WSRC, 1990). SCDHEC issued a RCRA Part B permit with conditions in response to this application on November 2, 1992. The permit requires that a detailed corrective action plan for groundwater remediation at the HASB be submitted.

## Hydrostratigraphic Units

Historically, groundwater quality assessment reports for the HASB have used the nomenclature *Water Table*, *Barnwell*, *McBean*, and *Congaree* to identify hydrostratigraphic units. However, an interim alphanumeric system developed by Aadland and Bledsoe (1990) (Figure 1, Appendix C) defines the aquifer and aquitard units at SRS 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 well network monitors three distinct hydrostratigraphic units in the uppermost aquifer beneath the facility: Aquifer Zone IIB<sub>2</sub> (Water Table), which is supported by Confining Zone IIB<sub>1</sub>-IIB<sub>2</sub> (Tan Clay); the poorly confined Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean); and the semi-confined Aquifer Unit IIA (Congaree), which is separated from the overlying Aquifer Zone IIB<sub>1</sub> (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. The HASB RCRA Part B Post-Closure Care Permit Application includes a detailed description of the geologic and hydrogeologic systems at the HASB.



# Discussion

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## Groundwater Monitoring Data

The groundwater sampling procedure was modified beginning fourth quarter 1992 in response to regulatory guidance and advances in sampling equipment design (WSRC, 1992). The modified procedure requires evacuation of a minimum of two well volumes and stabilization of pH, specific conductance, and turbidity prior to sample collection. Stability is achieved over a minimum of three successive measurements taken within a given time period. If a well pumps dry before two well volumes are purged or before stabilization is achieved, it must be revisited within 24 hours for the data to be considered from a single sampling event. On the second visit within 24 hours, samples are taken without purging or stability measurements; thus, these samples may not be representative of the groundwater quality.

A further modification in the procedure is that samples collected for metals analyses are not filtered. Thus, the analyses are for total metals rather than dissolved metals. Variable-speed pumps have been installed in some wells that have had a history of elevated metals. Samples from these wells are collected at a slower rate to minimize turbidity, which has been associated with elevated metal levels. Decreased aluminum and iron concentrations as well as lower turbidity values have been observed for samples from wells with variable-speed pumps. At present, wells HSB 68, 69, 84A, 84D, 86C, 86D, 101D, 102D, 103D, 104D, 105D, 106D, 107D, 108D, 110D, 111D, 111E, 112D, 112E, 113D, 114D, 116C, 116D, 125D, and 136D have variable-speed pumps.

During fourth quarter 1992, samples from wells at the HASB were analyzed for certain indicator parameters, heavy metals, radionuclides, and other constituents as part of the SRS Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) Groundwater Monitoring Program. Monitoring results that exceeded the Safe Drinking Water Act final Primary Drinking Water Standards (PDWS) or screening levels, established by the U.S. Environmental Protection Agency (EPA) (see Appendix A), the South Carolina final Primary Drinking Water Standard for lead (see Appendix A), or other SRS flagging criteria (see Appendix B) are discussed in this report.

The drinking water standard for lead was changed to the South Carolina Primary Drinking Water Standard of 50  $\mu\text{g}/\text{L}$  fourth quarter 1992. Lead data for the earlier quarters of 1992 were made consistent with the 50  $\mu\text{g}/\text{L}$  standard for this annual report. The SRS flagging criteria are based on final and proposed PDWS, Secondary Drinking Water Standards, and method detection limits. For simplicity, results that either equal or exceed standards are described only as *exceeding* or *above* standards. Constituent levels that exceed the final PDWS, screening levels, or Flag 2 criteria are described as *elevated*, and constituent levels that exceed Flag 1 criteria are described as *slightly elevated*.

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

Appendix C contains 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 56); and the water-elevation contours of the different hydrostratigraphic zones and units and the groundwater flow directions (Figures 57 through 60). The monitoring results tables as well as analyses that exceeded the holding times, final PDWS, and other flagging criteria are in Appendix D; data quality/useability assessment information is in Appendix E; time series plots for tritium, nitrate, and pH for selected wells are in Appendix F; and hydrographs are in Appendix G.

### **Integrity of the Monitoring Well Network**

The HASB groundwater monitoring well network (Figure 4, Appendix C) provides groundwater samples from the three hydrostratigraphic 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 58 Aquifer Zone IIB<sub>2</sub> (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).

The 46 wells screened in the upper portion of Aquifer Zone IIB<sub>1</sub> (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).

The 6 wells screened in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) are HSB 65B, 68B, 83B, 84B, 85B, and 86B (Figure 7, Appendix C).

Twenty wells monitor Aquifer Unit IIA (Congaree). Thirteen of these wells are screened in the upper portion (HSB 85A, 118A, 119A, 120A, 121A, 122A, 123A, 124AR, 139A, 140A, 141A, 144A, and 146A), and four are screened in the lower portion (HSB 65A, 68A, 84A, and 86A) (Figure 8, Appendix C). Wells HSB 69A, 83A, and 117A are screened in the middle portion of the Congaree.

Table 3 (Appendix D) lists the number of well volumes purged from each of the HSB wells during fourth quarter 1992. Where the casing diameter is not known, the well diameter was assumed to be 4 in. to calculate the number of well volumes purged. Aquifer Zone IIB<sub>2</sub>

(Water Table) wells HSB102D, 112E, 115D, 126D, 132D, 141D, 147D, 148D, and 150D pumped dry during purging. Aquifer Zone IIB<sub>2</sub> (Water Table) well HSB106D could not be sampled because the pump would not start. Aquifer Zone IIB<sub>2</sub> (Water Table) well HSB131D could not be sampled because the pump was removed for repairs.

Wells HSB 68C, 70C, 71C, 84C, 129C, 132C, 136C, 137C, 139C, 141C, and 148C, located in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), pumped dry during purging. Well HSB117C, also in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), was not sampled because the pump has been removed. Wells HSB 68B and 85B, located in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), and well HSB119A, located in the upper portion of Aquifer Unit IIA (Congaree), pumped dry during purging.

Wells HSB 67, 68, 69, 86D, 102D, 104D, 105D, 109D, 113D, 114D, 115D, 116D, and 136D had field pH values equal to or less than 4; wells HSB 70C, 84B, 85B, 101D, 104C, 123A, 135C, 136C, 141A, 141C, 148C, and 148D had field pH values equal to or greater than 8.

### **Analytical Results Exceeding Standards**

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

Forty-seven of the 58 Aquifer Zone IIB<sub>2</sub> (Water Table) wells contained tritium, nitrate, nonvolatile beta, total alpha-emitting radium (radium-223, radium-224, and radium-226), gross alpha, mercury, lead, or arsenic levels that exceeded standards. Tritium was elevated in 46 wells, with activities up to  $1.5E+04$  pCi/mL in well HSB112D; nitrate was elevated in 26 wells, with concentrations up to  $57,500$   $\mu\text{g/L}$  in well HSB111D; nonvolatile beta exceeded its drinking water screening level in 28 wells, with activities up to  $7.3E+03$  pCi/L in well HSB116D; total alpha-emitting radium was elevated in 22 wells, with activities up to  $8.9E+01$  pCi/L in wells HSB 68 and 116D; and gross alpha was elevated in 17 wells, with a maximum activity of  $1.7E+02$  in well HSB102D. Mercury was elevated in 11 wells, lead in 2 wells, and arsenic in 1 well during the quarter.

Thirty-two of the 46 wells that monitor the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) contained levels of tritium, nitrate, nonvolatile beta, total alpha-emitting radium, tetrachloroethylene, gross alpha, or trichloroethylene that exceeded standards. Tritium was elevated in 32 wells, with activities up to  $1.6E+04$  pCi/mL in well HSB 86C; nitrate was elevated in 17 wells, with concentrations up to  $60,000$   $\mu\text{g/L}$  in well HSB137C; and nonvolatile beta exceeded its drinking water screening level in 9 wells, with activities up to  $5.5E+02$  pCi/L in well HSB 86C. Total alpha-emitting radium was elevated in 4 wells, tetrachloroethylene in 3 wells, gross alpha in 2 wells, and trichloroethylene in 1 well.

Two of the 6 wells that monitor the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) contained levels of tritium that exceeded its final PDWS. Wells HSB 68B and 84B exhibited  $3.8E+01$  pCi/mL and  $8.4E+01$  pCi/mL of tritium activity, respectively.

Four of the 20 wells in Aquifer Unit IIA (Congaree) contained elevated levels of tritium, with activities up to  $5.0E+03$  pCi/mL in well HSB118A (in the upper portion of this hydrostrati-

graphic unit). Well HSB 84A contained elevated nonvolatile beta, and well HSB118A contained elevated nitrate.

During fourth quarter 1992, mercury exceeded its final PDWS in 11 wells in Aquifer Zone IIB<sub>2</sub> (Water Table) (HSB 68, 101D, 102D, 103D, 104D, 105D, 108D, 125D, 126D, 127D, and 145D), with the highest concentration at 7.9 µg/L in well HSB126D. Lead was elevated in 2 wells in Aquifer Zone IIB<sub>2</sub> (Water Table) (HSB115D and 152D), with the highest concentration at 71 µg/L in well HSB152D. Mercury and lead did not exceed standards in any of the lower water-bearing units. Cadmium did not exceed its final PDWS in any well at the HASB during the quarter.

Tetrachloroethylene was elevated in wells HSB106C, 139C, and 145C, and trichloroethylene was elevated in well HSB145C during fourth quarter 1992. These wells are located in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean).

Results for analytes that exceeded other SRS flagging criteria (see Appendix B) during fourth quarter 1992 are summarized in Table 2 (Appendix D). Table 3 (Appendix D) shows the results for all of the constituents and identifies the results that received modifiers or that exceeded the EPA-approved holding time, the final PDWS, or other standards during fourth quarter 1992.

Constituent results are compared with the PDWS in the database of values reported by the laboratory. Many constituents are reported to more significant digits in the database than in these reports. Thus, some constituent results in Table 3 that appear to equal the PDWS are not marked in the *D* column. Those results are below the PDWS in the database.

During 1992, nitrate results were obtained by two different methods and reported as nitrate as nitrogen and nitrate-nitrite as nitrogen. In this text, these results are treated as a single evaluation of nitrate frequency in the HASB, and the terms *nitrate* and *nitrate-nitrite* are used interchangeably.

The lateral distributions of tritium, nitrate, gross alpha, nonvolatile beta, mercury, specific conductance, and pH in Aquifer Zone IIB<sub>2</sub> (Water Table), the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), and Aquifer Unit IIA (Congaree) during fourth quarter 1992 are presented in Figures 9 through 56 (Appendix C).

### **Tritium, Nitrate, and pH Time-Trend Data**

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

Tritium activities in wells HSB 66, 83B, 85B, 85C, 86A, 100C, 125C, 130C, 130D, and 131D have been consistently below the final PDWS when sampled for at least the past 3 years. Most of the other wells shown in Appendix F exhibit tritium in levels that have exceeded the

final PDWS since at least early 1990. The time series plots for wells HSB 68, 68A, 69, 70, 83D, 84A, 84D, 101D, 102D, 104D, 105D, 106D, 107C, 107D, 108D, 109D, 110D, 113D, 114D, 116D, 117D, 125D, 127D, 129D, 134D, 135D, 136D, 137D, and 138D show tritium activities declining with time. The time series plots for wells HSB119A and 137C indicate that tritium activities are increasing with time. Data from wells HSB 83C, 118A, 140A, 140C, 140D, 141A, 141C, 141D, 142D, 143C, 143D, 144A, 145C, 145D, 146A, 146C, 146D, 147D, 148C, 148D, 149D, 150D, 151C, 151D, 152C, and 152D are insufficient to detect general trends in tritium levels. However, tritium levels in wells HSB 83C, 140A, and 140C have been near or below the final PDWS since sampling began. The remaining HSB wells presented in Appendix F 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<sub>1</sub> (Barnwell/McBean) discharges into Fourmile Branch from the south and north sides of the creek. The hypothesis that constituents can discharge into Fourmile Branch from the south will be tested by upper Aquifer Zone IIB<sub>1</sub> (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 final 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<sub>1</sub> (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 65A, 65B, 65C, 65D, 66, 68A, 68B, 68C, 70, 71, 83A, 83B, 83C, 84A, 84B, 85B, 85C, 100C, 100D, 101C, 104C, 105C, 106C, 107C, 109C, 109D, 110C, 117A, 117D, 125C, 130D, 131D, 132C, 132D, 133D, 134C, 135C, 135D, 139A, and 139D have been consistently below the final PDWS for the past 3 years. Most of the remaining wells contain nitrate concentrations that have exceeded the final PDWS since at least early 1990. The time series plots for wells HSB 69, 71C, 83D, 101D, 103D, 104D, 105D, 106D, 107D, 108D, 117C, 126D, 134D, 135D, and 138D indicate nitrate concentrations are declining with time. The plots for wells HSB 68, 70C, and 118A show 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 HSB 69A, 121A, 122A, 123A, 124AR, 133C, 140C, 140D, 141C, 141D, 142C, 142D, 143C, 143D, 144A, 145C, 145D, 146A, 146C, 146D, 147D, 148C, 148D, 149D, 150D, 151C, 151D, 152C, and 152D have insufficient data to determine long-term trends. However, nitrate concentrations in wells HSB 69A, 140C, 140D, 141C, 141D, 142C, 142D, 143C, 143D, 144A, 146A, 146C, 146D, 147D, 148D, 149D, 150D, 151C, 151D, 152C, and 152D have been near or below final PDWS since sampling began. The remaining HSB wells presented in Appendix F exhibit no detectable long-term patterns.

Aquifer Zone IIB<sub>2</sub> (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<sub>2</sub> (Water Table) wells HSB 69 and 84D, located midway between Basin H-4 and Fourmile Branch, usually exhibit pH levels between 3 and 4. Aquifer Unit IIA (Congaree) well HSB 69A has exhibited a pH range between 6 and 10, but the pH level is usually near 7. The wells in the HSB 84 well cluster have pH levels that have ranged from approximately 4 to 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 wells 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<sub>1</sub> (Barnwell/McBean) well and an acidic pH of approximately 4 in the Aquifer Zone IIB<sub>2</sub> (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<sub>1</sub> (Barnwell/McBean) wells and somewhat acidic pH levels in the Aquifer Zone IIB<sub>2</sub> (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<sub>2</sub> (Water Table) during third quarter 1992 was 222.37 ft msl. The average water elevation in this zone during fourth quarter 1992 was 222.17 ft msl, a decrease of 0.2 ft since the previous quarter. The average water elevation in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) during third quarter 1992 was 216.92 ft msl. The average water elevation in this zone during fourth quarter 1992 was 216.87 ft msl, a decrease of 0.05 ft since the previous quarter. The average water elevation in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) during third quarter 1992 was 221.80 ft msl. The average water elevation in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) during fourth quarter 1992 was 221.90 ft msl, an increase of 0.1 ft msl. The average water elevation in Aquifer Unit IIA (Congaree) during third quarter 1992 was 171.15 ft msl. The average water elevation in Aquifer Unit IIA (Congaree) during fourth quarter 1992 was 171.33 ft msl, an increase of 0.18 ft since the previous quarter.

A consistent downward vertical head relationship exists between the hydrostratigraphic zones and units monitored at the HASB. Flow potential is downward from Aquifer Zone IIB<sub>2</sub> (Water Table) to Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) (although at several well clusters, the head difference is very small) and downward from Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) to Aquifer Unit IIA (Congaree). These hydrostratigraphic 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 beneath the HASB in Aquifer Zone IIB<sub>2</sub> (Water Table), the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), and Aquifer Unit IIA (Congaree) have remained relatively unchanged by closure activities. Water-level maps (Figures 57 through 60, Appendix C) for the monitored water-bearing units illustrate groundwater flow patterns. Using SRS grid coordinates, flow in Aquifer Zone IIB<sub>2</sub> (Water Table) is to the southwest toward Fourmile Branch; flows in the upper and lower portions of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) are south-southwest. Flow in Aquifer Unit IIA (Congaree) is northwest toward Upper Three Runs Creek.

To estimate the transport rate of any constituents originating from the HASB, the horizontal flow rate of groundwater is estimated for each hydrostratigraphic unit. Estimated horizontal flow rates in Aquifer Zone IIB<sub>2</sub> (Water Table) and the upper and lower portions of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) are calculated along two paths (designated flow paths A and B) for each unit. These flow paths characterize the approximate maximum and minimum groundwater flow rates within these units in areas downgradient from the basins. The estimated horizontal flow rate is calculated along a single flow path for Aquifer Unit IIA (Congaree).

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<sub>2</sub> (Water Table), the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), the lower portion of Aquifer Zone IIB<sub>1</sub> (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 ft/day for Aquifer Zone IIB<sub>2</sub> (Water Table), 10 ft/day for the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), 5.3 ft/day for the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), and 65 ft/day for Aquifer Unit IIA (Congaree) (Geraghty & Miller, 1990). 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 to be 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.

Flow rate estimates are calculated as follows: flow path length is calculated to the nearest 50 ft for path B of Aquifer Zone IIB<sub>2</sub> (Water Table) and to the nearest 100 ft for the remaining flow paths. Flow rate per day is calculated to two significant figures using the above equation. This value is then multiplied by 365 and rounded to two significant figures for the flow rate per year.

The approximate range of groundwater flow rates in Aquifer Zone IIB<sub>2</sub> (Water Table) is estimated as follows (Figure 57, Appendix C):

Flow path A

$$\frac{10}{0.20} \times \frac{18}{700} \approx 1.3 \text{ ft/day}$$

$$1.3 \text{ ft/day} \times 365 \text{ days} \approx 470 \text{ ft/yr}$$

## Flow path B

$$\frac{10}{0.20} \times \frac{10}{1,550} \approx 0.32 \text{ ft/day}$$

$$0.32 \text{ ft/day} \times 365 \text{ days} \approx 120 \text{ ft/yr}$$

The approximate range of groundwater flow rates in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) is estimated as follows (Figure 58, Appendix C):

## Flow path A

$$\frac{10}{0.20} \times \frac{12}{400} \approx 1.5 \text{ ft/day}$$

$$1.5 \text{ ft/day} \times 365 \text{ days} \approx 550 \text{ ft/yr}$$

## Flow path B

$$\frac{10}{0.20} \times \frac{10}{900} \approx 0.56 \text{ ft/day}$$

$$0.56 \text{ ft/day} \times 365 \text{ days} \approx 200 \text{ ft/yr}$$

The groundwater flow rate in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) is estimated as follows (Figure 59, Appendix C):

## Flow path A

$$\frac{5.3}{0.20} \times \frac{10}{900} \approx 0.29 \text{ ft/day}$$

$$0.29 \text{ ft/day} \times 365 \text{ days} \approx 110 \text{ ft/yr}$$

## Flow path B

$$\frac{5.3}{0.20} \times \frac{10}{1,800} \approx 0.15 \text{ ft/day}$$

$$0.15 \text{ ft/day} \times 365 \text{ days} \approx 55 \text{ ft/yr}$$

The groundwater flow rate in Aquifer Unit IIA (Congaree) is estimated as follows (Figure 60, Appendix C):

$$\frac{65}{0.20} \times \frac{8}{2,900} \approx 0.9 \text{ ft/day}$$

$$0.9 \text{ ft/day} \times 365 \text{ days} \approx 330 \text{ ft/yr}$$



## Upgradient Versus Downgradient Results

Groundwater flow in Aquifer Zone IIB<sub>2</sub> (Water Table) is to the southwest toward Fourmile Branch (Figure 57, Appendix C), using SRS grid coordinates. Wells HSB 65C, 66, and 85C are upgradient wells for Aquifer Zone IIB<sub>2</sub> (Water Table). All remaining Aquifer Zone IIB<sub>2</sub> (Water Table) wells monitor downgradient water quality (Figure 5, Appendix C).

Flows in the upper and lower portions of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) are to the south-southwest toward Fourmile Branch (Figures 58 and 59, Appendix C). No wells monitor upgradient water quality in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) (Figure 6, Appendix C). The upgradient wells in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) are HSB 65B and 85B (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 60, Appendix C). The upgradient wells in Aquifer Unit IIA (Congaree) wells are HSB140A, 141A, and 146A.

No constituents exceeded the final PDWS in upgradient wells HSB 66 or 85C, while upgradient well HSB 65C exhibited elevated tritium activities. Downgradient wells screened in Aquifer Zone IIB<sub>2</sub> (Water Table) and the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) contained elevated levels of tritium, nitrate, nonvolatile beta, total alpha-emitting radium, gross alpha, mercury, tetrachloroethylene, lead, arsenic, or trichloroethylene during fourth quarter 1992.

Two downgradient wells in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), HSB 68B and 84B, contained elevated tritium activities; upgradient wells HSB 65B and 85B did not contained elevated constituents.

Six downgradient wells in Aquifer Unit IIA (Congaree) contained elevated levels of tritium, nonvolatile beta, or nitrate. Upgradient wells HSB140A, 141A, and 146A contained no elevated constituents.

Wells HSB 66, 83A, and 85B are the designated background wells for the HASB. During fourth quarter 1992, none of these wells contained elevated constituents.

## Conclusions

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The groundwater at the HASB contains elevated levels of low-level radionuclides and chemicals, resulting from 30 years of receiving waste water from the H-Area Separations Facility. During fourth quarter 1992, 10 constituents exceeded the final 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, 84 (64%) exhibited elevated tritium activities and 44 (34%) exhibited elevated nitrate concentrations. These two constituents were found primarily in Aquifer Zone IIB<sub>2</sub> (Water Table) and in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean). However, tritium activities exceeding the final PDWS also occurred in several wells in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) and Aquifer Unit IIA (Congaree). The highest tritium activity was found in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) well HSB 86C (1.6E+04 pCi/mL). The highest nitrate concentration occurred in Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) well HSB137C (60,000 µg/L). Tritium and nitrate levels appear to be decreasing over time since closure of the HASB, at least in Aquifer Zone IIB<sub>2</sub> (Water Table).

The presence of tritium and other constituents in the lower hydrostratigraphic units and the head difference indicate 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).

Mercury, lead, and cadmium historically have been the primary heavy metals exhibiting elevated concentrations at the HASB. During fourth quarter 1992, mercury exceeded its final PDWS in 11 wells in Aquifer Zone IIB<sub>2</sub> (Water Table) (HSB 68, 101D, 102D, 103D, 104D, 105D, 108D, 125D, 126D, 127D, and 145D), with the highest concentration at 7.9 µg/L in well HSB126D. Lead was elevated in 2 wells in Aquifer Zone IIB<sub>2</sub> (Water Table) (HSB115D and 152D), with the highest concentration at 71 µg/L in well HSB152D. Mercury and lead did not exceed standards in any of the lower water-bearing units. Cadmium did not exceed its final PDWS in any well at the HASB during the quarter. Wells with elevated mercury and lead lie south of the seepage basins.

Tetrachloroethylene was elevated in wells HSB106C, 139C, and 145C, and trichloroethylene was elevated in well HSB145C during fourth quarter 1992. These wells are located in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean). No other volatile organic compounds exceeded the final PDWS at the HASB during this quarter. Historically, volatile organic compounds were not placed in the HASB; however, elevated levels of these constituents have occurred sporadically over the years.

No constituents exceeded the final PDWS in upgradient Aquifer Zone IIB<sub>2</sub> (Water Table) wells HSB 66 or 85C, while upgradient Aquifer Zone IIB<sub>2</sub> (Water Table) well HSB 65C

exhibited elevated tritium levels. Downgradient wells screened in Aquifer Zone IIB<sub>2</sub> (Water Table) and the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) contained elevated levels of tritium, nitrate, nonvolatile beta, total alpha-emitting radium, gross alpha, mercury, tetrachloroethylene, lead, arsenic, or trichloroethylene.

Upgradient wells in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) and in Aquifer Unit IIA (Congaree) did not contain elevated constituents during the quarter. However, several downgradient wells in these units contained elevated levels of tritium, nonvolatile beta, or nitrate. 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.

Flow rates during fourth quarter 1992 were estimated to range between approximately 120 ft/yr and 470 ft/yr in Aquifer Zone IIB<sub>2</sub> (Water Table), between 200 ft/yr and 550 ft/yr in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), between 55 ft/yr and 110 ft/yr in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), and at about 330 ft/yr in Aquifer Unit IIA (Congaree).

## Summary 1992

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During 1992, samples from 93 of the 130 groundwater monitoring wells (73%) at the HASB contained elevated levels of tritium, nitrate, nonvolatile beta, total alpha-emitting radium, gross alpha, mercury, tetrachloroethylene, arsenic, lead, trichloroethylene, or cadmium (Table 1, Appendix D).

As in 1991, tritium and nitrate exceeded their final PDWS more frequently and more consistently than did other constituents. Tritium exceeded its final PDWS in 90 wells during 1992, with the maximum tritium activity ( $1.8E+04$  pCi/mL) found in Aquifer Zone IIB<sub>2</sub> (Water Table) well HSB112D during first and second quarters. Nitrate was elevated in 50 wells during 1992, with a maximum concentration of 90,000  $\mu\text{g/L}$  in well HSB137C, located in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), during first quarter. In 1991, tritium and nitrate occurred in 96 and 53 wells, respectively; the maximum tritium activity ( $2.2E+04$  pCi/mL) occurred in Aquifer Zone IIB<sub>2</sub> (Water Table) well HSB101D, and the maximum nitrate concentration (695,000  $\mu\text{g/L}$ ) occurred in Aquifer Zone IIB<sub>2</sub> (Water Table) well HSB115D.

Nonvolatile beta exceeded its drinking water screening level in 48 wells during 1992, with a maximum activity of  $1.3E+04$  pCi/L in Aquifer Zone IIB<sub>2</sub> (Water Table) well HSB116D during second quarter. Gross alpha was elevated in 24 wells during the year, with activities up to  $2.2E+02$  pCi/L in Aquifer Zone IIB<sub>2</sub> (Water Table) well HSB102D during second quarter. Total alpha-emitting radium exceeded its final PDWS in 37 wells, with maximum activities up to  $1.7E+02$  pCi/L in Aquifer Zone IIB<sub>2</sub> (Water Table) well HSB116D. Mercury exceeded its final PDWS in 15 wells; tetrachloroethylene in 5 wells; arsenic, lead, and trichloroethylene in 2 wells each; and cadmium in 1 well. Radionuclides and volatile organics occurred with less frequency in 1992 than in 1991; heavy metals occurred with greater frequency.

As in the preceding year, elevated constituents were found primarily in Aquifer Zone IIB<sub>2</sub> (Water Table) and Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) wells. However, several Aquifer Unit IIA (Congaree) wells contained elevated levels of some constituents, primarily tritium, during both years.

Using SRS grid coordinates, groundwater flow directions beneath the HASB have remained relatively unchanged by closure activities, which began in the late 1980s. Flow in Aquifer Zone IIB<sub>2</sub> (Water Table) is to the southwest toward Fourmile Branch; flows in the upper and lower portions of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) are south-southwest. Flow in Aquifer Unit IIA (Congaree) is northwest toward Upper Three Runs Creek. Groundwater flow rate estimates during the year ranged from approximately 110 ft/yr to 470 ft/yr in Aquifer Zone IIB<sub>2</sub> (Water Table), from 150 ft/yr to 550 ft/yr in the upper portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), from 37 ft/yr to 120 ft/yr in the lower portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), and from 330 ft/yr to 690 ft/yr in Aquifer Unit IIA (Congaree).

# Errata

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Some of the values for earlier quarters presented in the results tables of this report may differ from the values for those same quarters presented in previous reports, and reported values may not match reported sample dates. These differences result from the following: (1) the computer program that creates the analytical results tables was revised beginning second quarter 1992 to present the highest value for analytes with more than one result (previously, the program presented the first value encountered in the database); (2) a new computer program, which rounds numbers differently from the former computer program, was first used during third quarter 1992; and (3) some reanalyses may have been performed by the laboratories after the quarterly reports had gone to press. The sample dates in the tables are the dates when the field data were collected. These dates may differ from the dates of the laboratory analyses if the highest results were obtained for samples collected on different dates.

## 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<sub>2</sub> (Water Table)" should read "Aquifer Zone IIB<sub>2</sub> (Water Table)."
- Page E-66: The time series plot is incorrectly labeled as HSB 69A. The correct label is HSB 69.

## Second Quarter 1992:

- Page 11, **Upgradient Versus Downgradient Results**, paragraph 1, line 2: The statement "Wells HSB 65, 66, and 85C are designated upgradient wells..." should read "Wells HSB 65C, 66, and 85C are designated upgradient wells..." The discussion of upgradient versus downgradient results should be revised accordingly.
- Page D-11: The second result for well HSB143C ( $23 \mu\text{g/L}$ ) is for trichloroethylene, not tetrachloroethylene.

## Third Quarter 1992:

- Prior to third quarter 1992, the results for certain analyses for nitrate-nitrite as nitrogen were reported incorrectly by the General Engineering laboratory as nitrate as nitrogen results. The analyses in the results tables for reports beginning third quarter 1992 are reported correctly (i.e., nitrate-nitrite results have been distinguished from true nitrate results).
- Page D-65, Well HSB 84D: The result for cobalt-60 of  $5.4\text{E}+02 \pm 1.3\text{E}+02$  pCi/L is incorrect. The correct result is  $5.4\text{E}+01 \pm 1.3\text{E}+01$  pCi/L. The corrected result does not exceed the standard for cobalt-60 presented in Appendix A.
- Page D-79, Well HSB 86D: The result for cobalt-60 of  $7.8\text{E}+02 \pm 1.5\text{E}+02$  pCi/L is incorrect. The correct result is  $7.8\text{E}+01 \pm 1.5\text{E}+01$  pCi/L. The corrected result does not exceed the standard for cobalt-60 presented in Appendix A.
- Page D-106, Well HSB108D: The result for cobalt-60 of  $1.4\text{E}+02 \pm 1.4\text{E}+03$  pCi/L is incorrect. The correct result is  $1.4\text{E}+02 \pm 2.1\text{E}+01$  pCi/L.
- Page D-108, Well HSB109D: The result for cobalt-60 of  $2.6\text{E}+02 \pm 5.1\text{E}+03$  pCi/L is incorrect. The correct result is  $2.6\text{E}+01 \pm 1.4\text{E}+01$  pCi/L. The corrected result does not exceed the standard for cobalt-60 presented in Appendix A.
- Page D-109, Well HSB109D: The result for niobium-95 should be deleted.
- Page D-121, Well HSB112E: The result for cobalt-60 of  $1.8\text{E}+02 \pm 8.3\text{E}+01$  pCi/L is not correct. The correct result is  $1.8\text{E}+01 \pm 8.3\text{E}+00$  pCi/L. The corrected result does not exceed the standard for cobalt-60 presented in Appendix A.

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# **Appendix A – Final Primary Drinking Water Standards**

## Final Primary Drinking Water Standards

Analyte	Unit	Level	Status	Reference
Arsenic	µg/L	50	Final	CFR, 1991
Barium	µg/L	2,000	Final	CFR, 1991
Benzene	µg/L	5	Final	CFR, 1991
Bromodichloromethane	µg/L	100 <sup>a</sup>	Final	CFR, 1991
Bromoform	µg/L	100 <sup>a</sup>	Final	CFR, 1991
Cadmium	µg/L	5	Final	CFR, 1991
Carbon tetrachloride	µg/L	5	Final	CFR, 1991
Chlordane	µg/L	2	Final	CFR, 1991
Chloroethene (Vinyl chloride)	µg/L	2	Final	CFR, 1991
Chloroform	µg/L	100 <sup>a</sup>	Final	CFR, 1991
Chromium	µg/L	100	Final	CFR, 1991
Copper	µg/L	1,300	Final	CFR, 1991
Dibromochloromethane	µg/L	100 <sup>a</sup>	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
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
Fluoride	µg/L	4,000	Final	CFR, 1991
Gross alpha <sup>b</sup>	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
Lead	µg/L	50	Final	SCDHEC, 1981
Lindane	µg/L	0.2	Final	CFR, 1991
Mercury	µg/L	2	Final	CFR, 1991
Methoxychlor	µg/L	40	Final	CFR, 1991
Nitrate as nitrogen	µg/L	10,000	Final	CFR, 1991
Nitrate-nitrite as nitrogen	µg/L	10,000	Final	CFR, 1991
Nitrite as nitrogen	µg/L	1,000	Final	CFR, 1991
Nonvolatile beta <sup>c</sup>	pCi/L	5E + 01	Final	EPA, 1977
PCBs <sup>d</sup>	µg/L	0.5	Final	CFR, 1991
Pentachlorophenol	µg/L	1	Final	CFR, 1991
Selenium	µg/L	50	Final	CFR, 1991
Strontium-89/90 <sup>e</sup>	pCi/L	8E + 00	Final	CFR, 1991
Strontium-90	pCi/L	8E + 00	Final	CFR, 1991
Styrene	µg/L	100	Final	CFR, 1991
Tetrachloroethylene	µg/L	5	Final	CFR, 1991
Toluene	µg/L	1,000	Final	CFR, 1991
Total radium (Radium-226 and -228)	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
1,1,1-Trichloroethane	µg/L	200	Final	CFR, 1991

<u>Analyte</u>	<u>Unit</u>	<u>Level</u>	<u>Status</u>	<u>Reference</u>
Trichloroethylene	µg/L	5	Final	CFR, 1991
Tritium	pCi/mL	2E+01	Final	CFR, 1991
Xylenes	µg/L	10,000	Final	CFR, 1991

Note: The drinking water standard for lead was changed to the South Carolina Primary Drinking Water Standard of 50 µg/L fourth quarter 1992.

- <sup>a</sup> This value is the drinking water standard for total trihalomethanes (the sum of bromoform, bromodichloromethane, chloroform, and dibromochloromethane).
- <sup>b</sup> The standard given is for gross alpha including radium-226 but excluding radon and uranium.
- <sup>c</sup> This is the screening level above which providers of public drinking water should perform analyses for specific man-made radionuclides. The standard for the total dose equivalent from all such radionuclides is 4 mrem per year.
- <sup>d</sup> Analyses were conducted in 1992 for the following: PCB 1016, PCB 1221, PCB 1232, PCB 1242, PCB 1248, PCB 1254, and PCB 1260.
- <sup>e</sup> For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

## References

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



# **Appendix B – Flagging Criteria**

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## Flagging Criteria

Beginning in 1991, the Savannah River Site Environmental Protection Department/ Environmental Monitoring Section modified its guidelines for flagging constituents in the Groundwater Monitoring Program. These flagging criteria are as follows:

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

The following parameters are 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.

<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source</u>
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 <sub>3</sub> )		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	250	500	EPA Method 8240
Aluminum	µg/L	25	50	Secondary DWS (CFR, 1991b)
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)
Aramite	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
Arsenic	µg/L	25	50	Final DWS (CFR, 1991a)
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
2-Chlorophenol	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
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 8060
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)
Nitrate-nitrite 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

Analyte	Unit	Flag 1	Flag 2	Source
2-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	50	100	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodimethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	50	100	EPA Method 8270
N-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 420.1
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 <sup>a</sup>	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

Analyte	Unit	Flag 1	Flag 2	Source
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
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 <sup>a</sup>	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

Analyte	Unit	Flag 1	Flag 2	Source
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)
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 <sup>a</sup>	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 <sup>a</sup>	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)

<sup>a</sup> 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

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

Aadland, 1990

Figure 1. Hydrostratigraphic Nomenclature



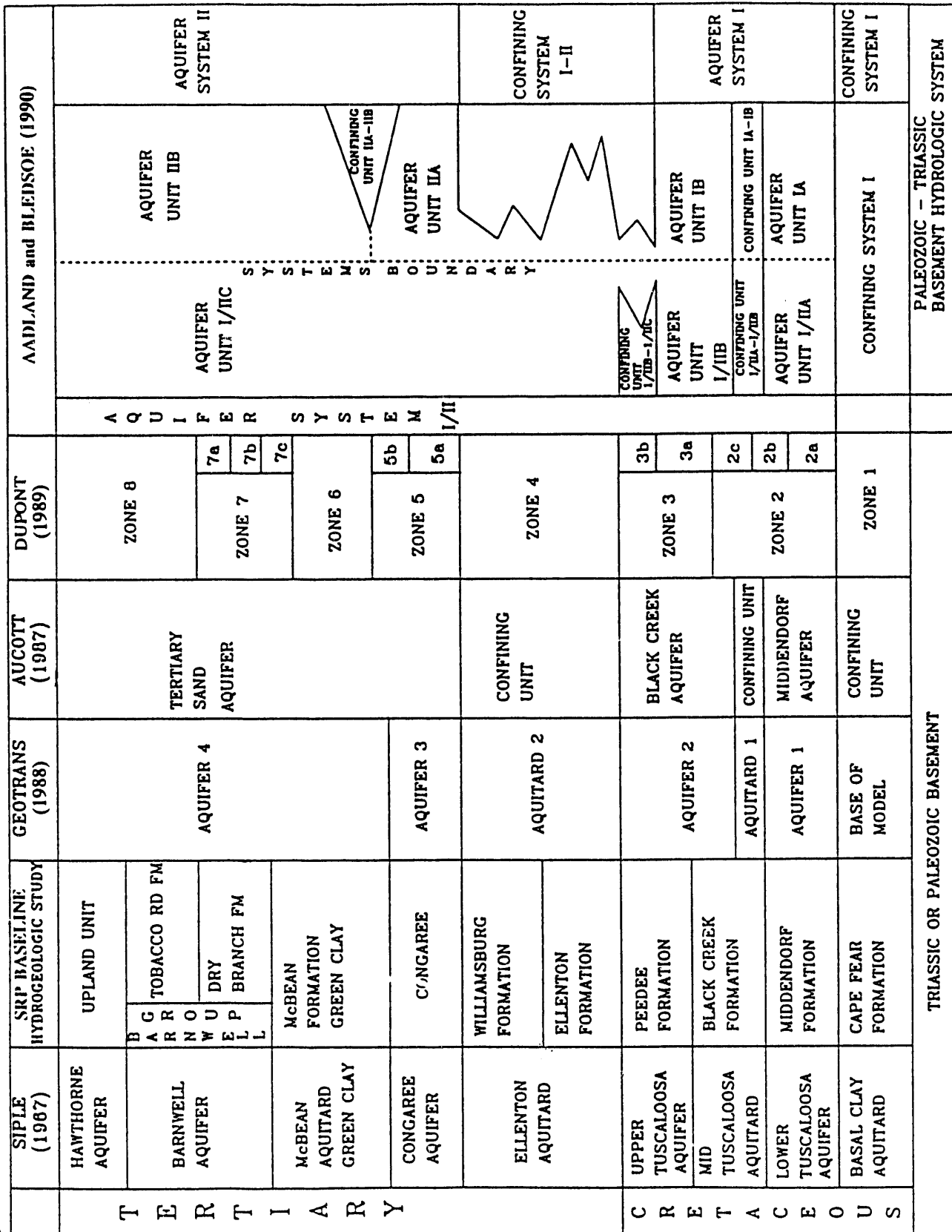


Figure 2. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclatures

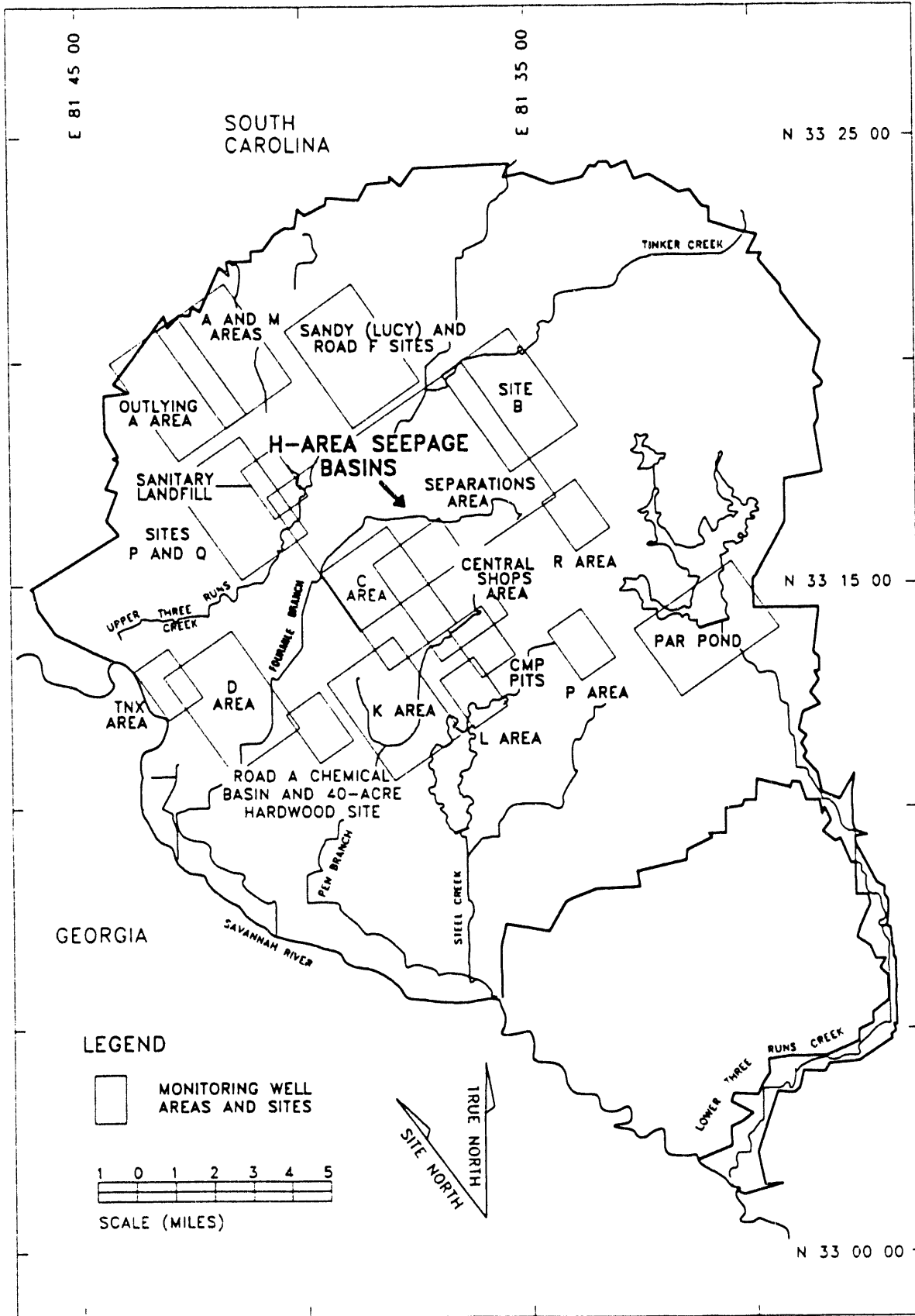


Figure 3. Location of the H-Area Seepage Basins at the Savannah River Site

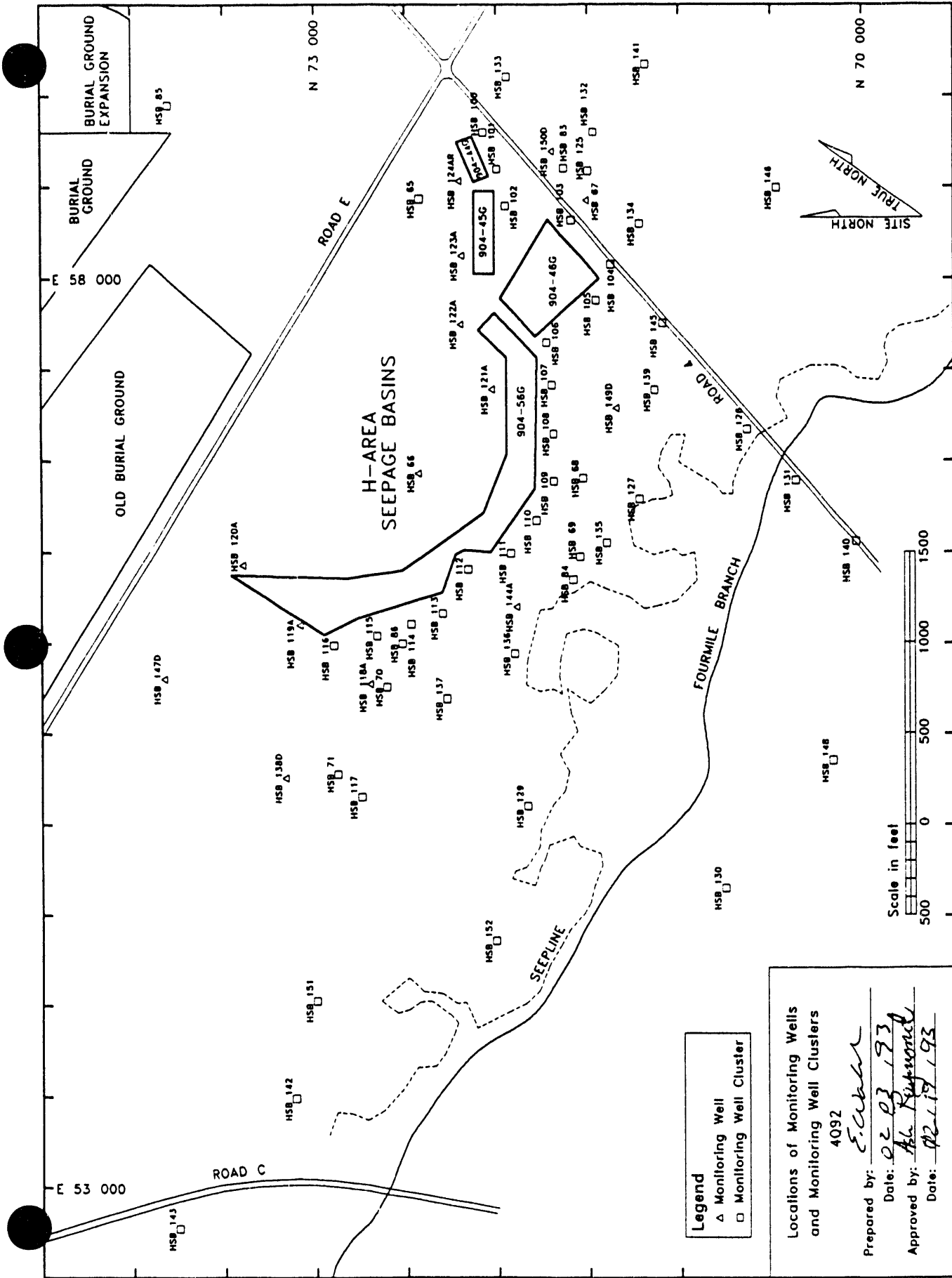
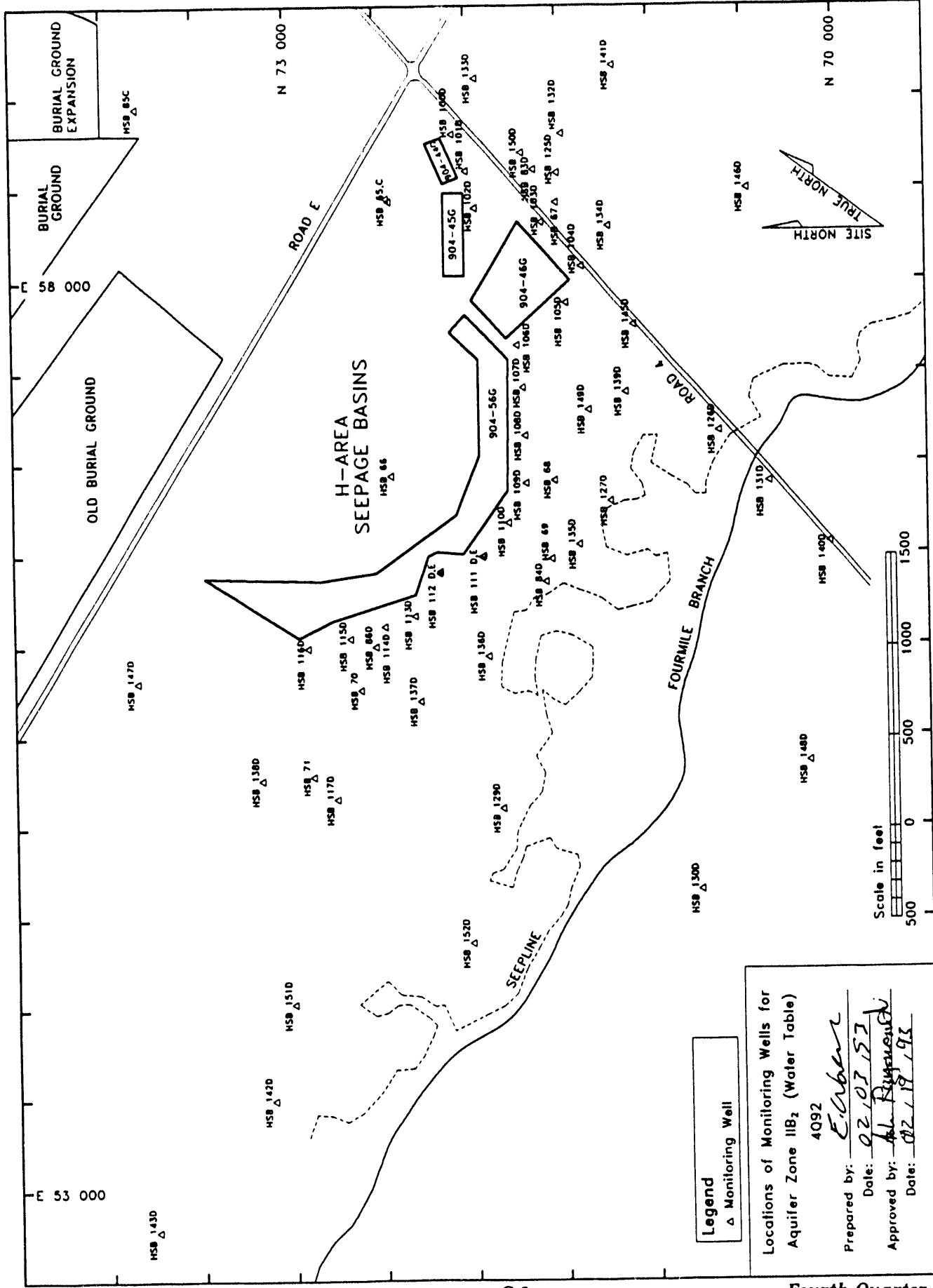


Figure 4. Location of the Groundwater Monitoring Wells at the H-Area Seepage Basins



**Legend**  
 Δ Monitoring Well

Locations of Monitoring Wells for  
 Aquifer Zone IIB<sub>2</sub> (Water Table)  
 4092  
 Prepared by: E. Egan  
 Date: 02/03/93  
 Approved by: H. Riquemond  
 Date: 02/19/93

Figure 5. Location of Aquifer Zone IIB<sub>2</sub> (Water Table) Groundwater Monitoring Wells at the H-Area Seepage Basins

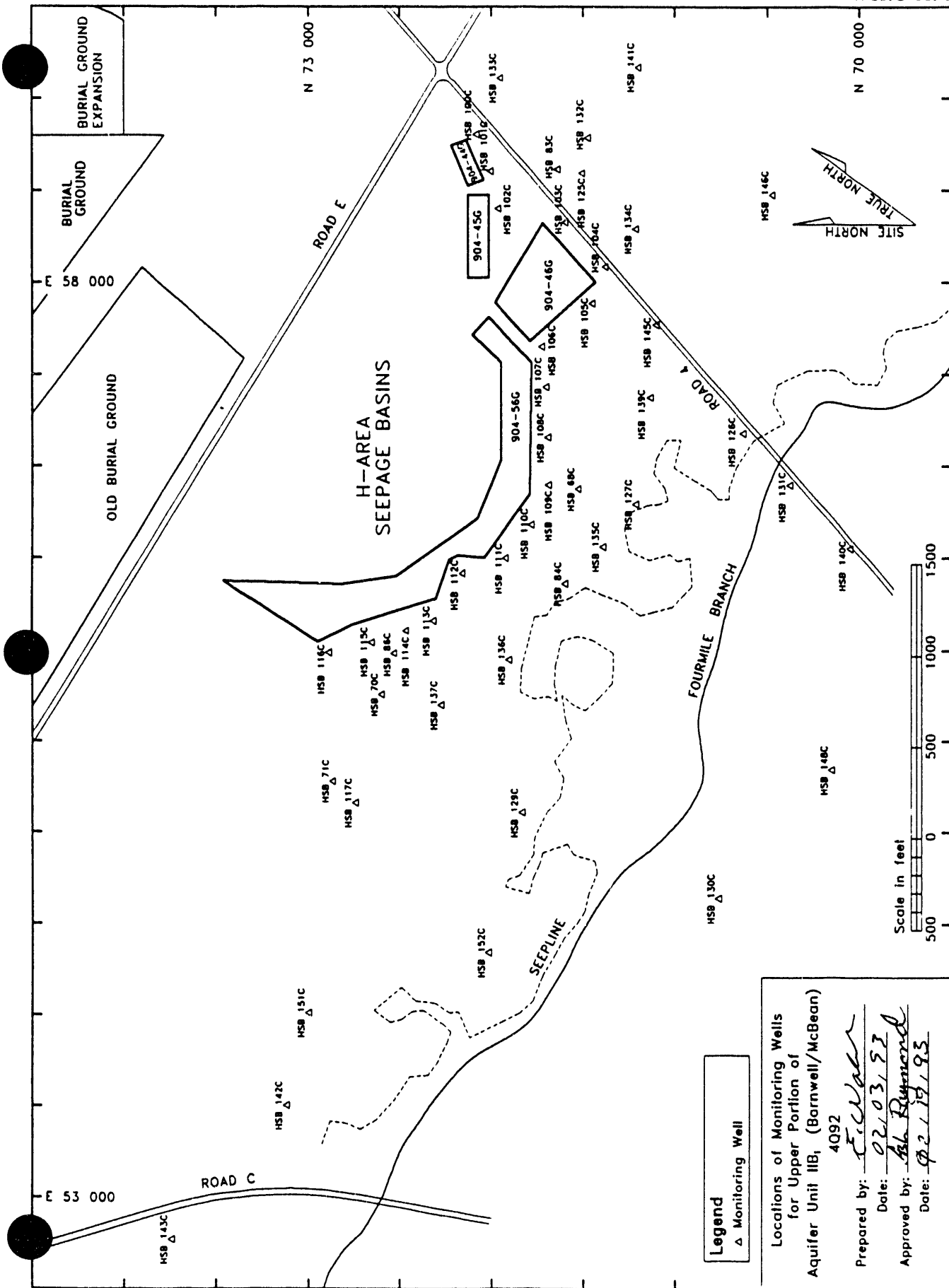


Figure 6. Location of Upper Portion Aquifer Zone IIB, (Barnwell/McBean) Groundwater Monitoring Wells at the H-Area Seepage Basins

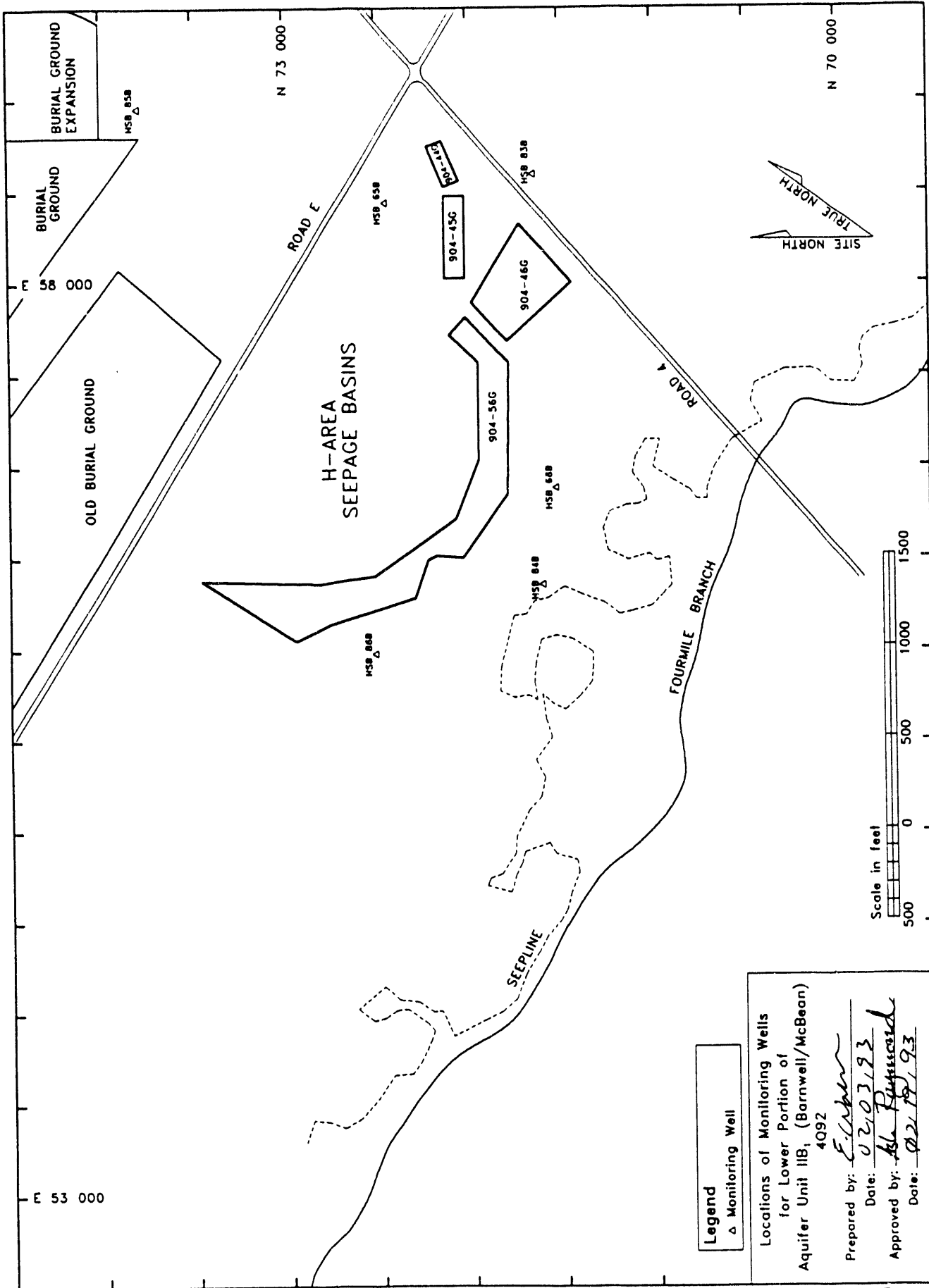


Figure 7. Location of Lower Portion Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) Groundwater Monitoring Wells at the H-Area Seepage Basins

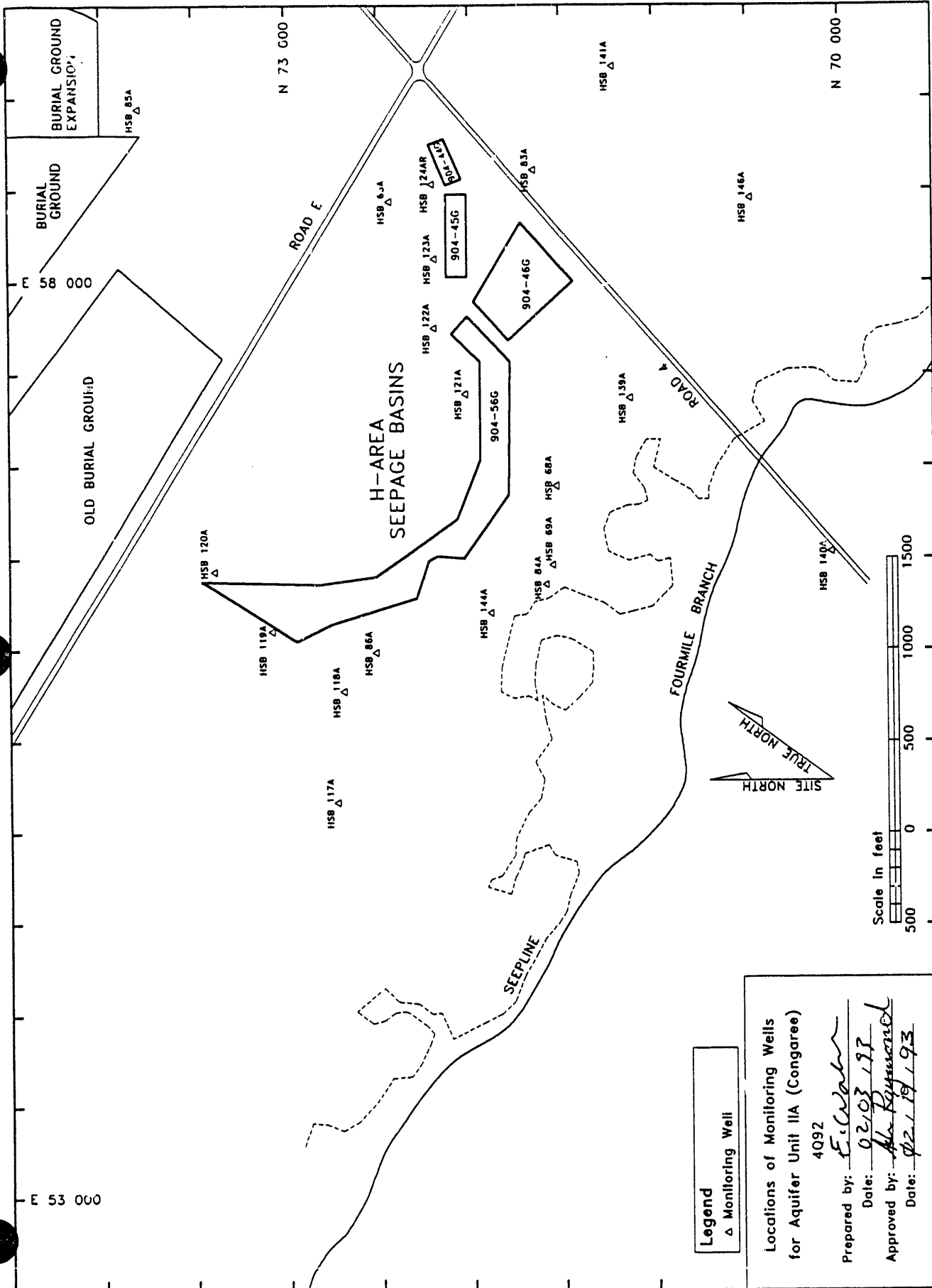


Figure 8. Location of Aquifer Unit IIA (Congaree) Groundwater Monitoring Wells at the H-Area Seepage Basins

2.7  
△

24  
△

13  
△

H-Area Seepage Basins

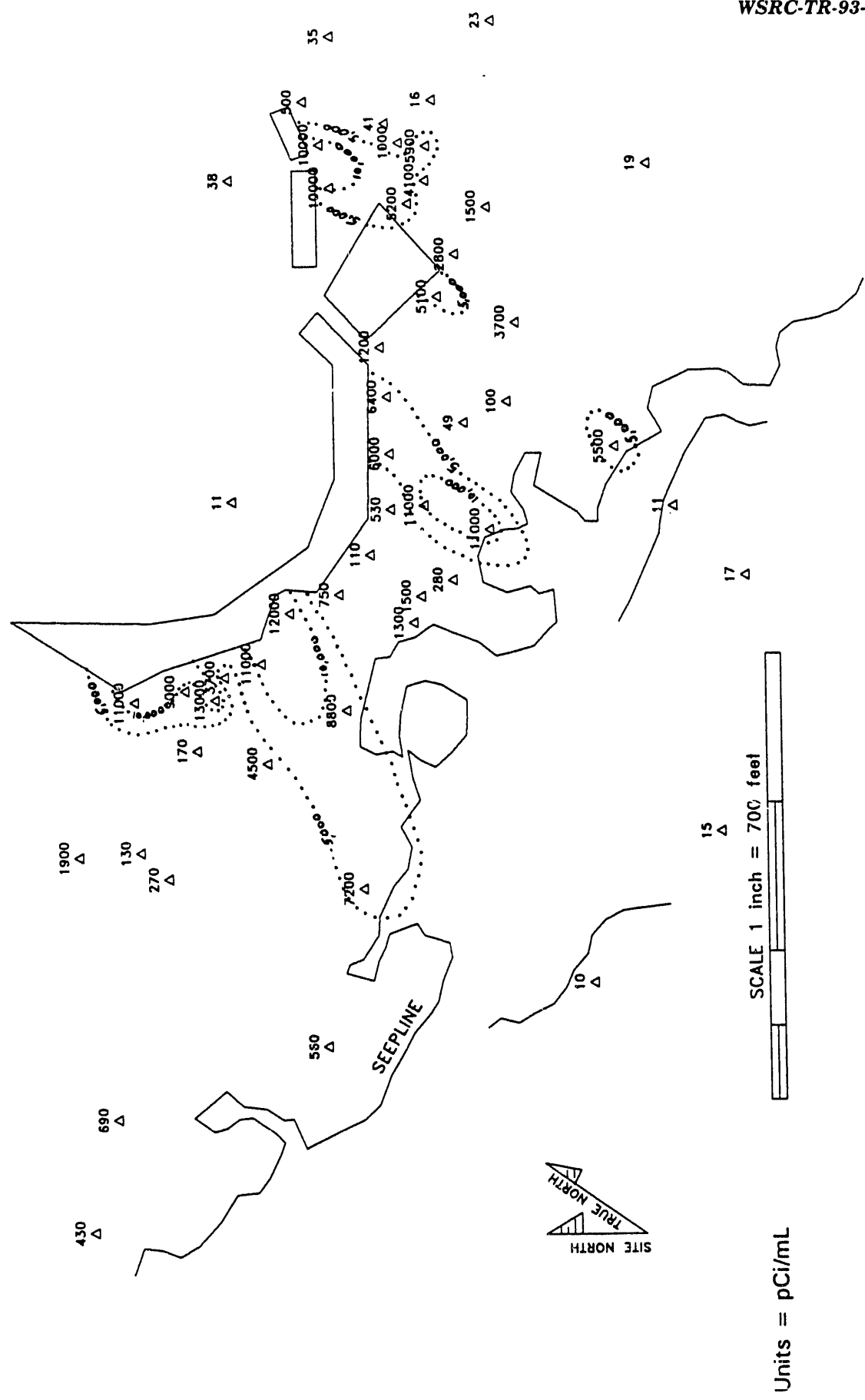


Figure 9. Tritium Activities in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, First Quarter 1992



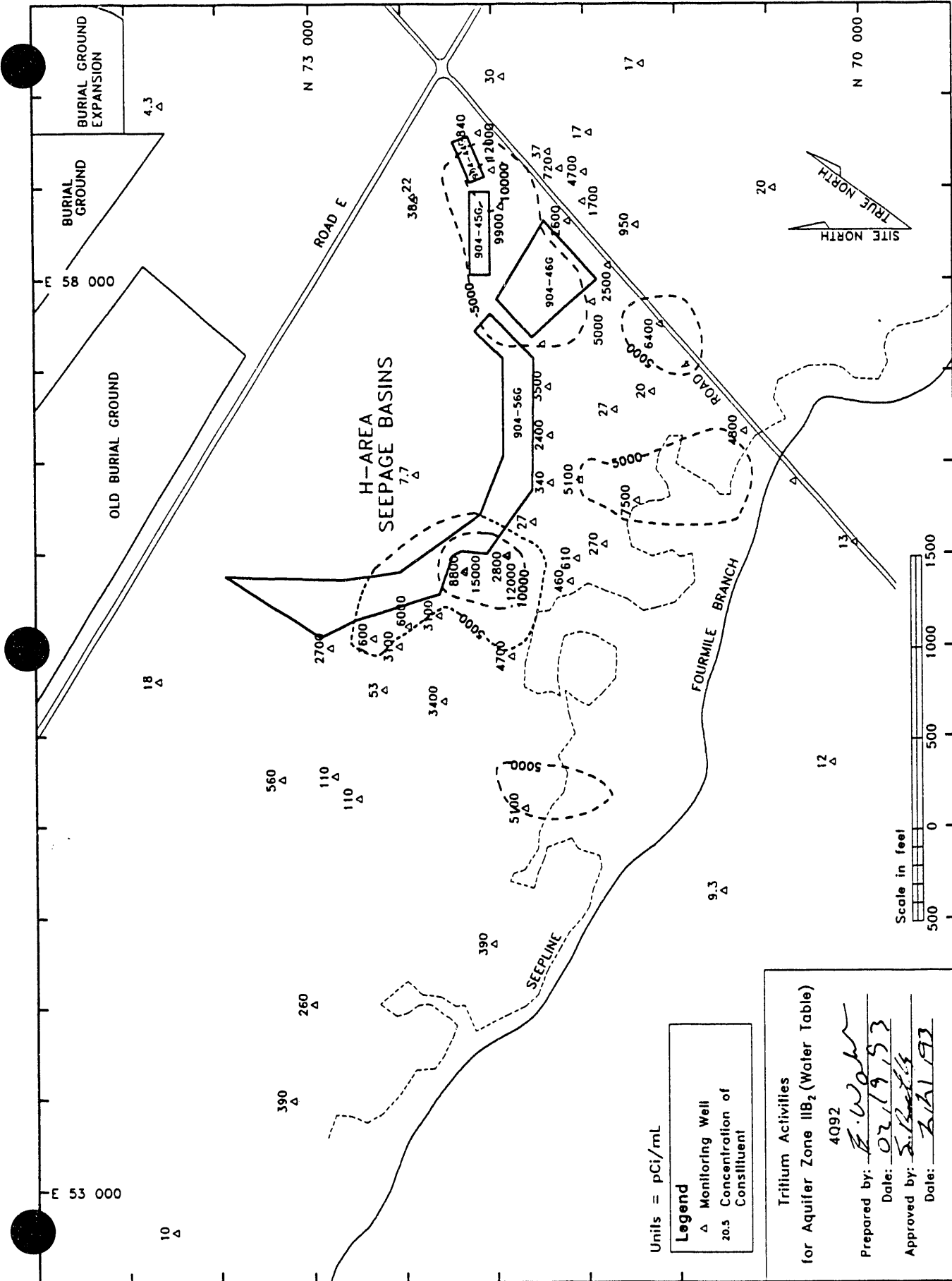


Figure 10. Tritium Activities in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992

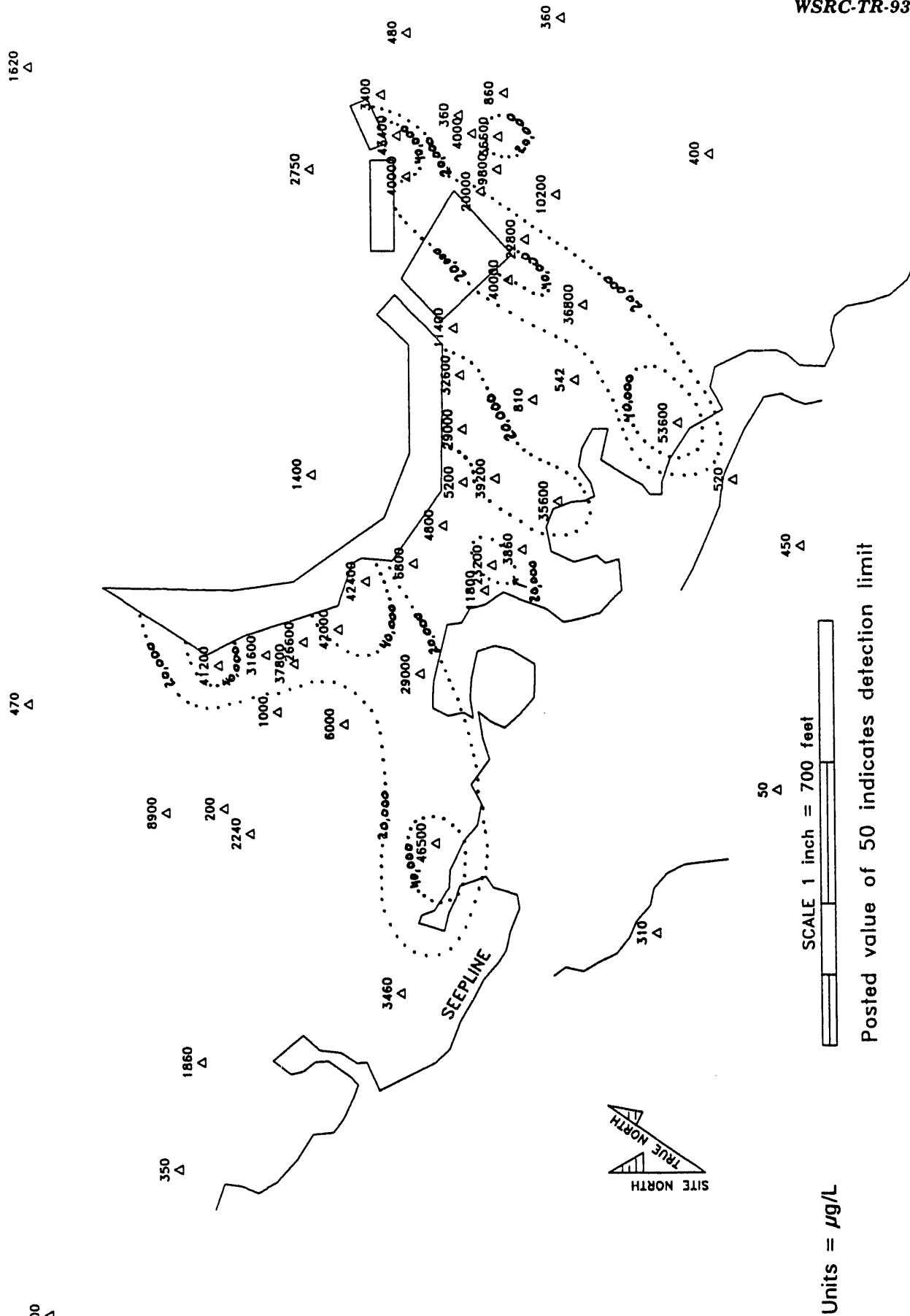


Figure 11. Nitrate Concentrations in Aquifer Zone IIB, (Water Table) at the H-Area Seepage Basins, First Quarter 1992

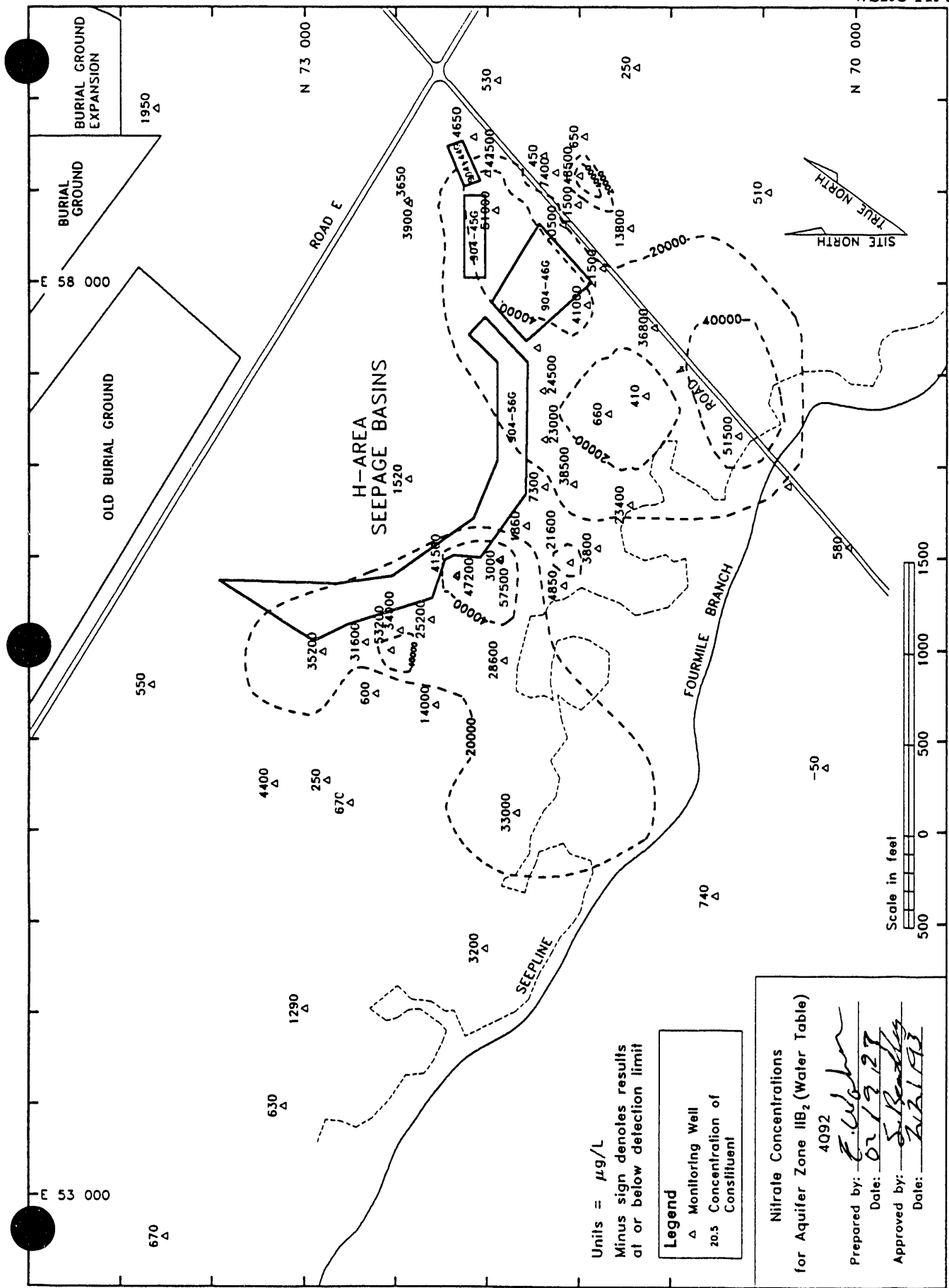
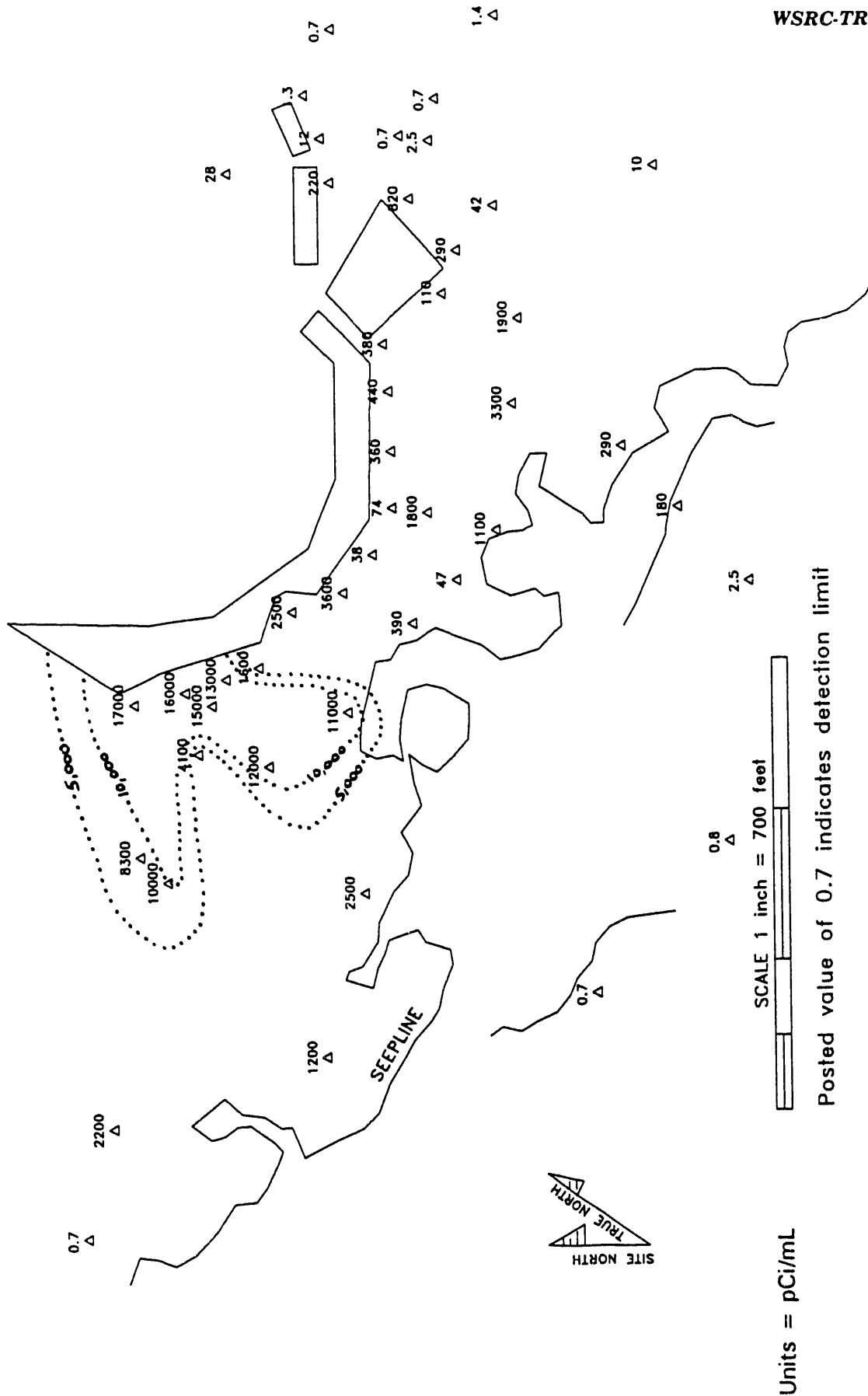


Figure 12. Nitrate Concentrations in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992



WSRC-TR-93-059

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

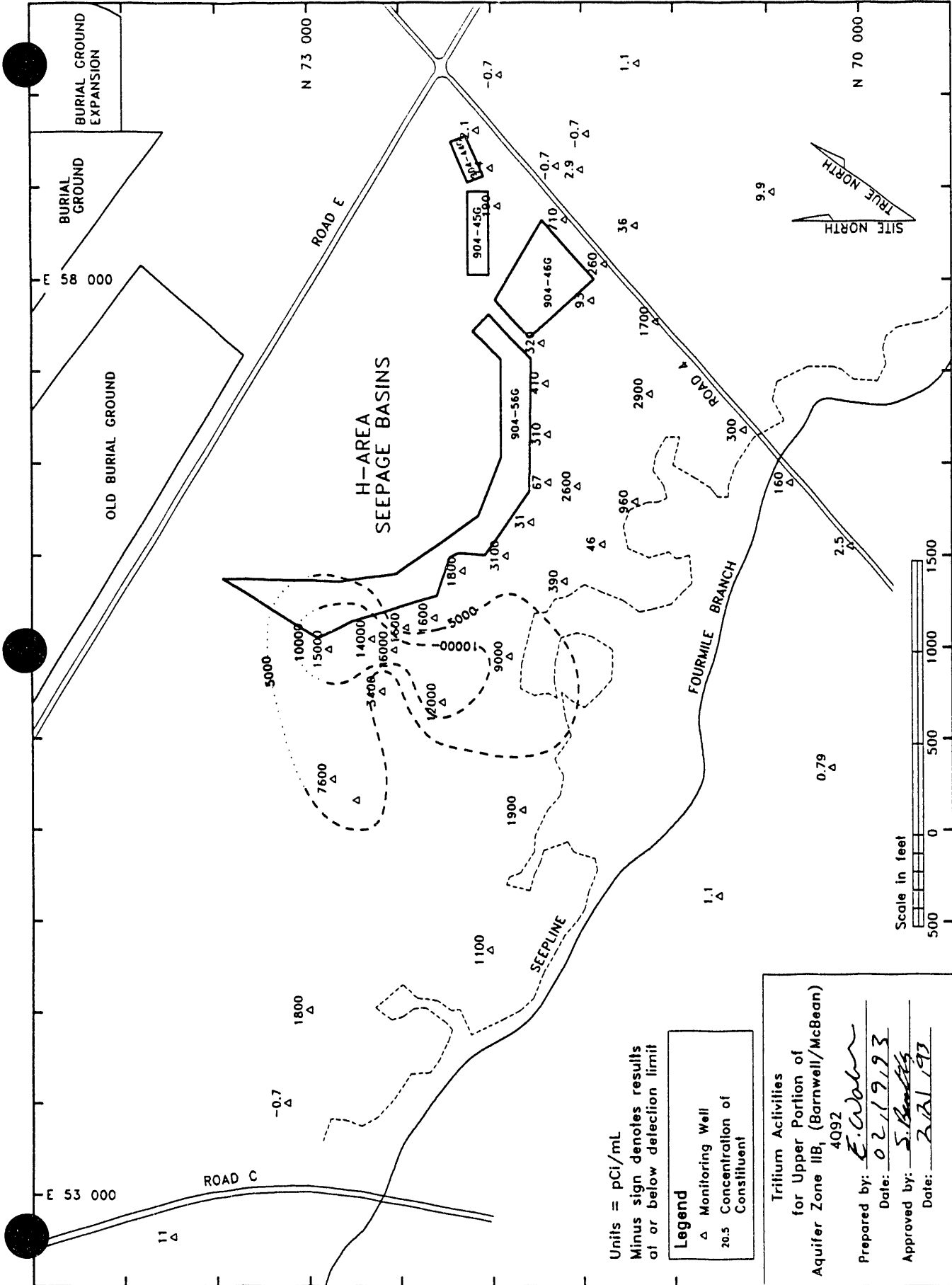


Figure 14. Tritium Activities in Upper Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992

350  
△

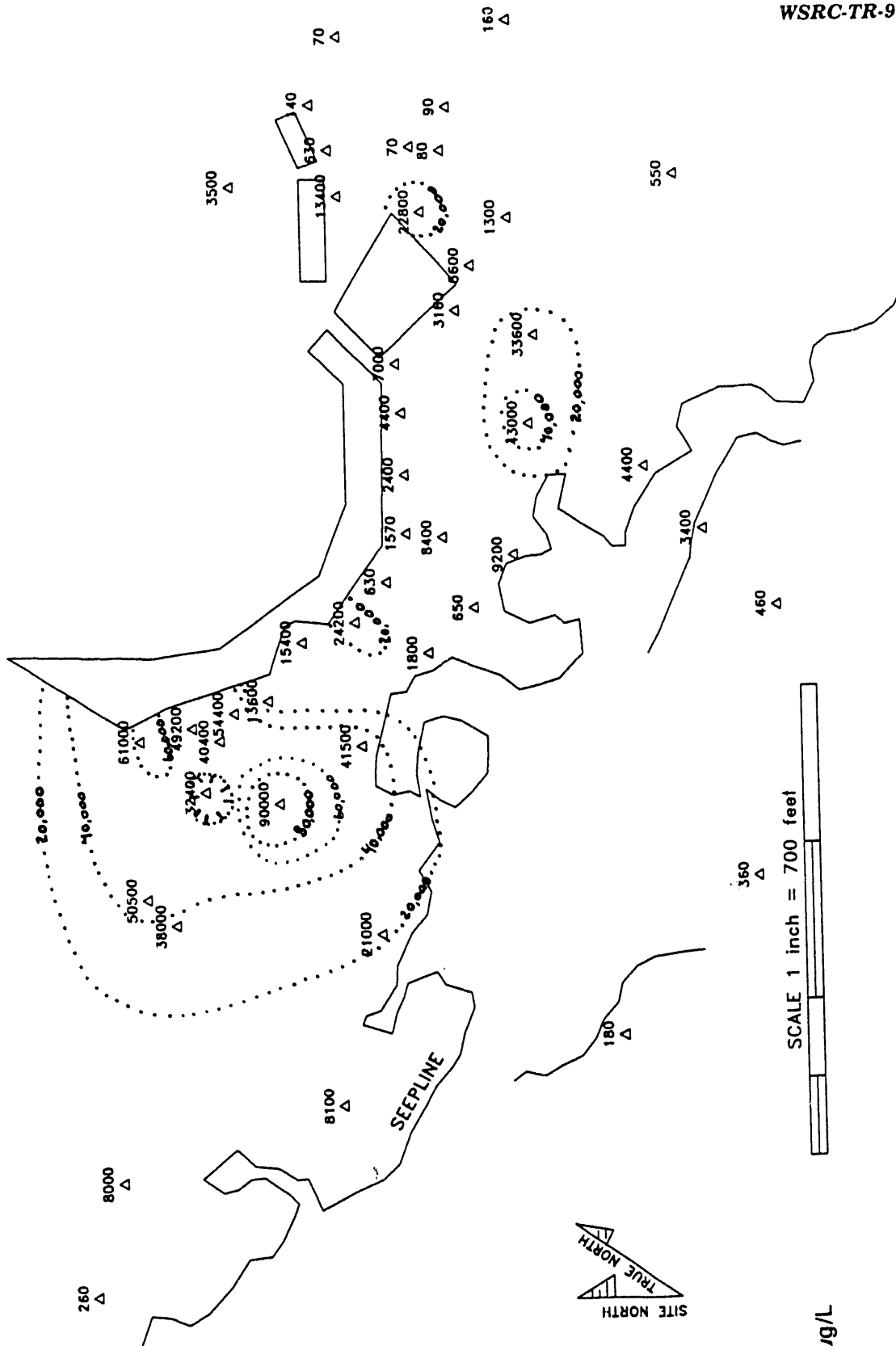
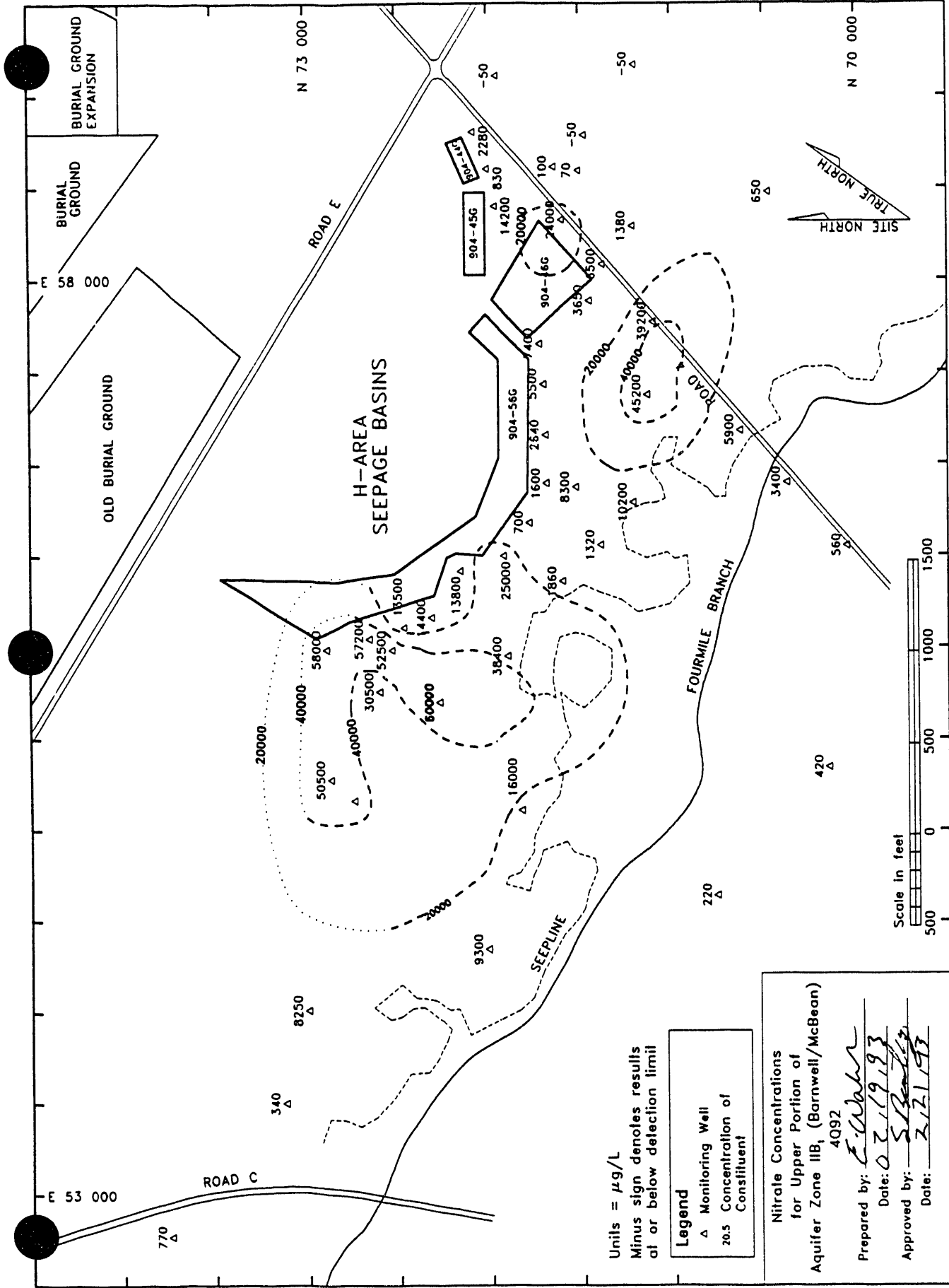


Figure 15. Nitrate Concentrations in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992

Units =  $\mu\text{g/L}$

SCALE 1 inch = 700 feet





H-Area Seepage Basins

C-17

Fourth Quarter 1992

Units =  $\mu\text{g/L}$

Minus sign denotes results at or below detection limit

**Legend**

- $\Delta$  Monitoring Well
- 20.5 Concentration of Constituent

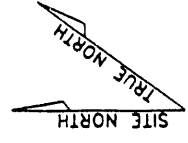
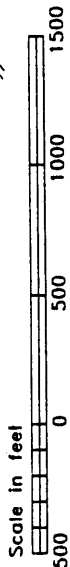
Nitrate Concentrations for Upper Portion of Aquifer Zone IIB, (Barnwell/McBean) 4092

Prepared by: *E. W. Wain*

Date: *02/19/93*

Approved by: *S. B. ...*

Date: *2/21/93*



**Figure 16. Nitrate Concentrations in Upper Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992**

0.7  
Δ

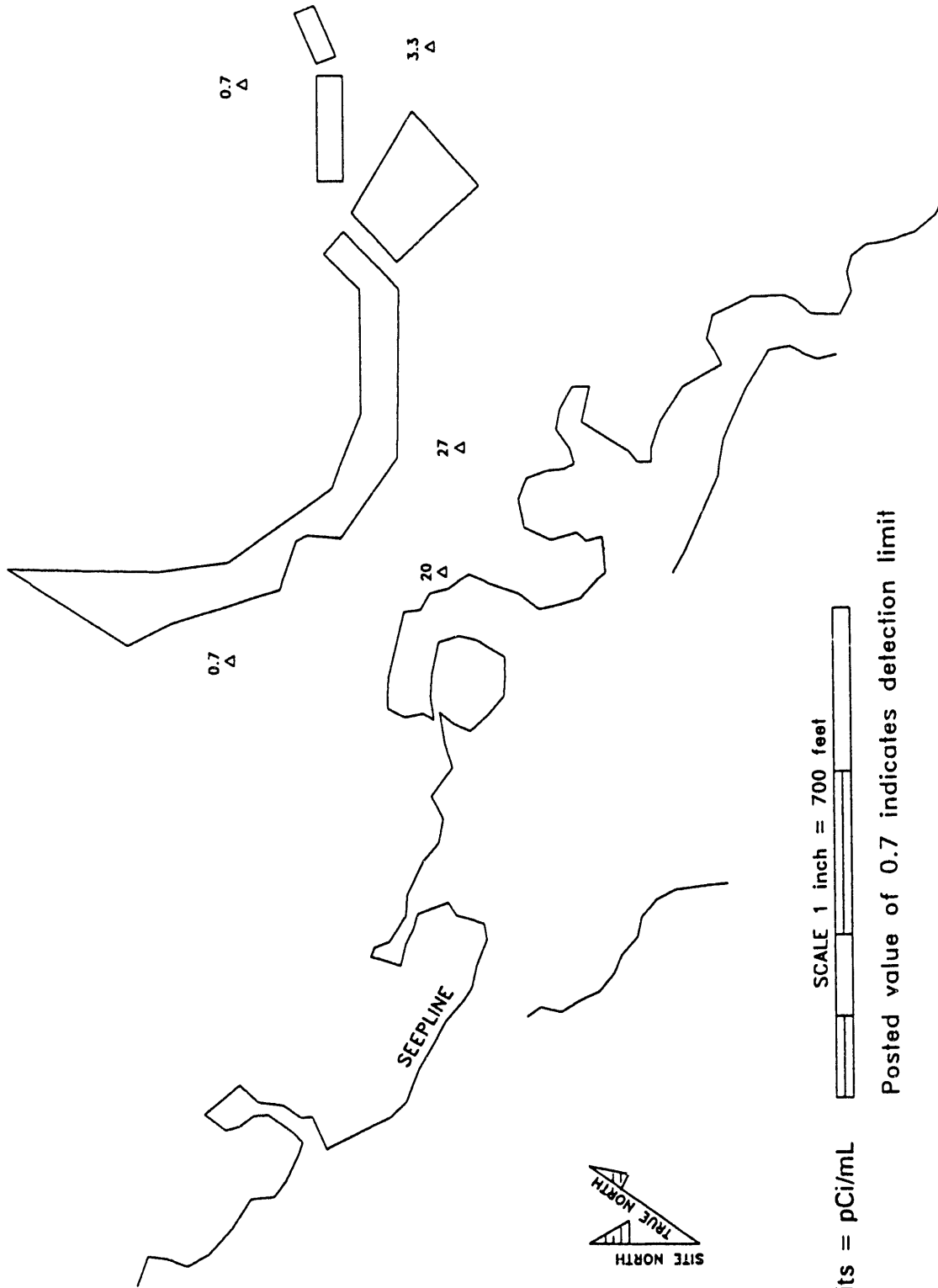
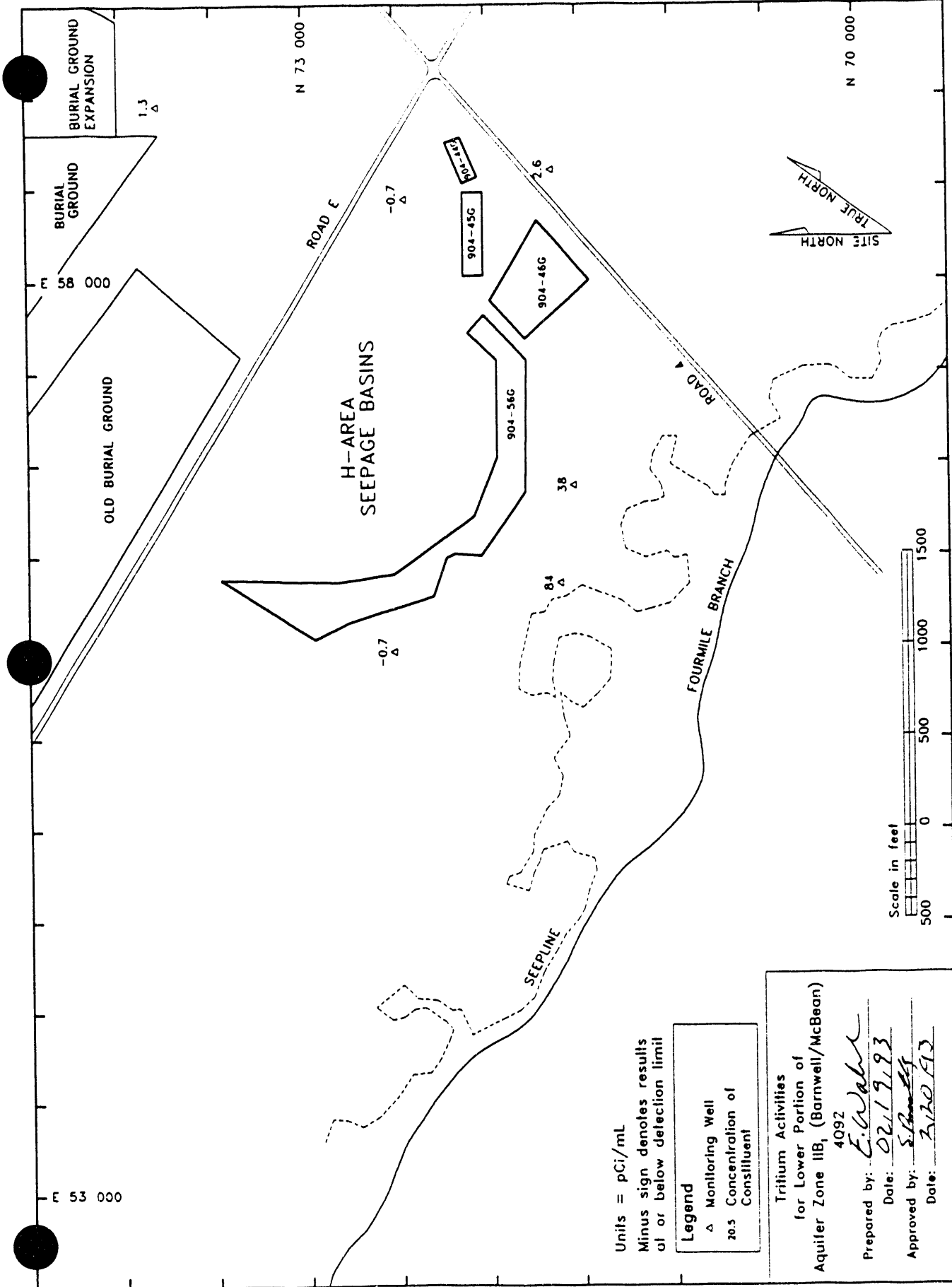


Figure 17. Tritium Activities in Lower Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992





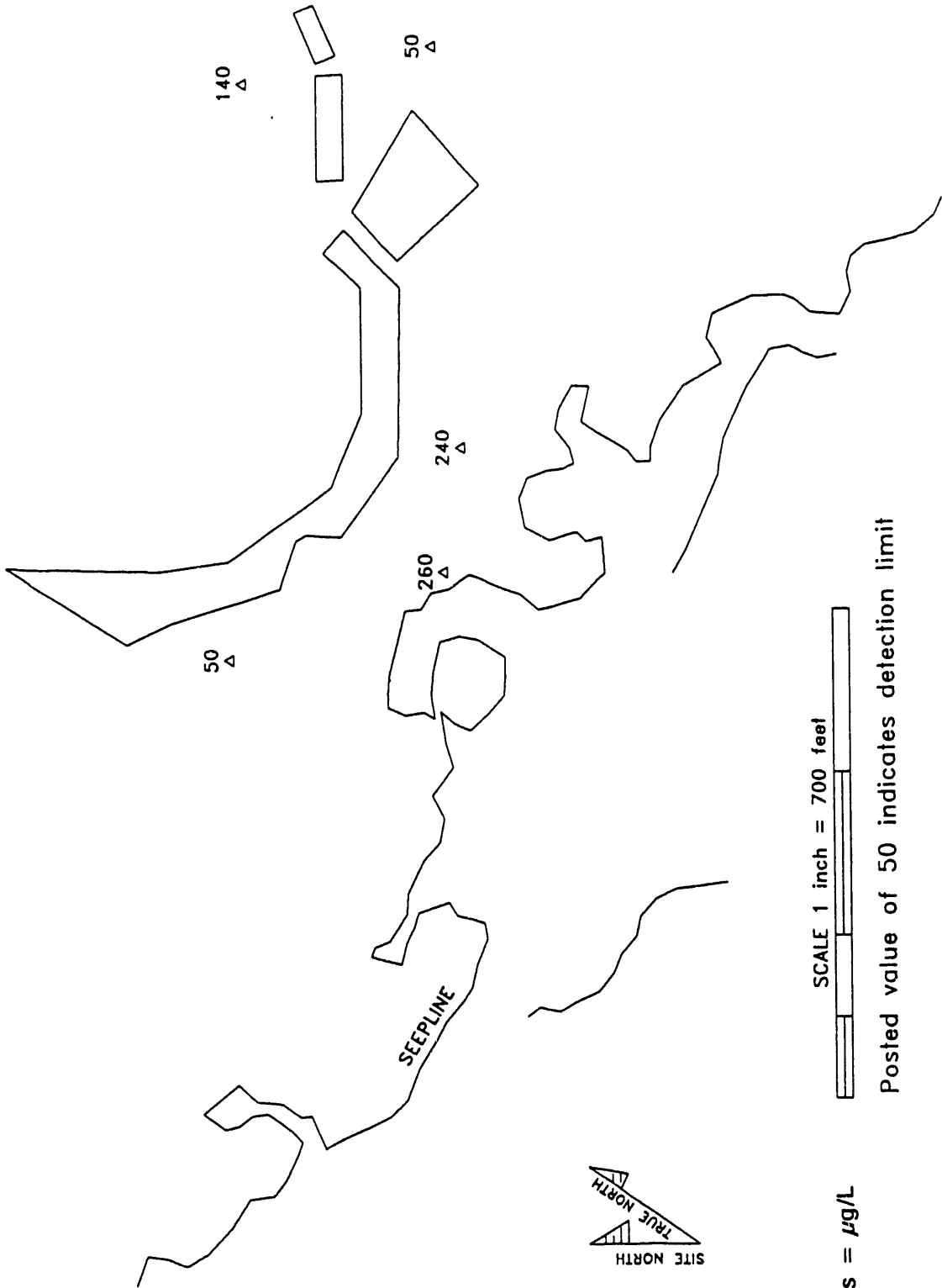
Units = pCi/mL  
 Minus sign denotes results at or below detection limit

**Legend**  
 Δ Monitoring Well  
 20.5 Concentration of Constituent

Tritium Activities for Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) 4092  
 Prepared by: *E. W. Webb*  
 Date: *02/19/93*  
 Approved by: *S. Barnwell*  
 Date: *2/20/93*

Figure 18. Tritium Activities in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992

110  
△



Units =  $\mu\text{g/L}$

Figure 19. Nitrate Concentrations in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992

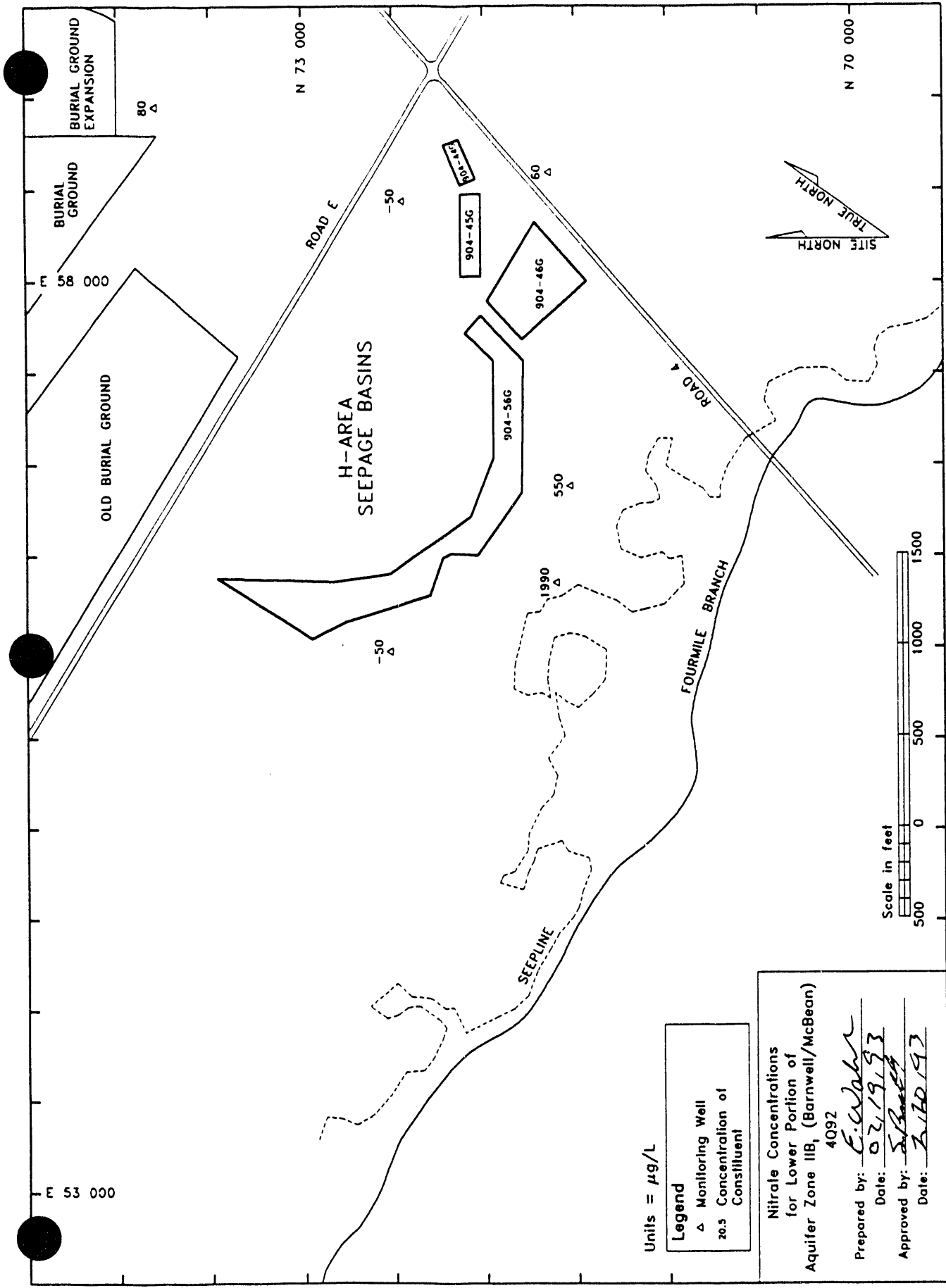
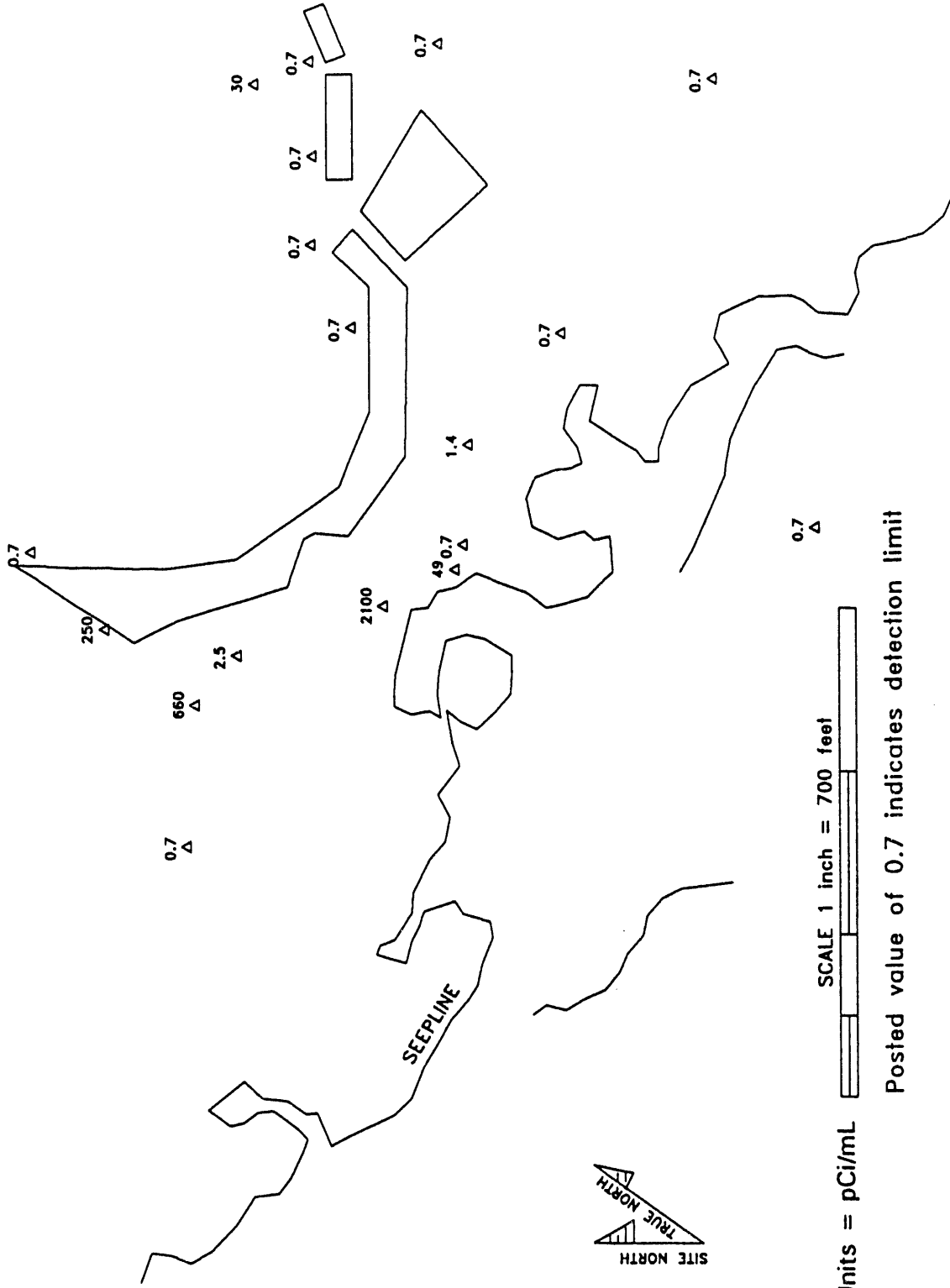


Figure 20. Nitrate Concentrations in Lower Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992

0.7  
Δ

0.7  
Δ



SCALE 1 inch = 700 feet

Posted value of 0.7 indicates detection limit

Units = pCi/mL

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

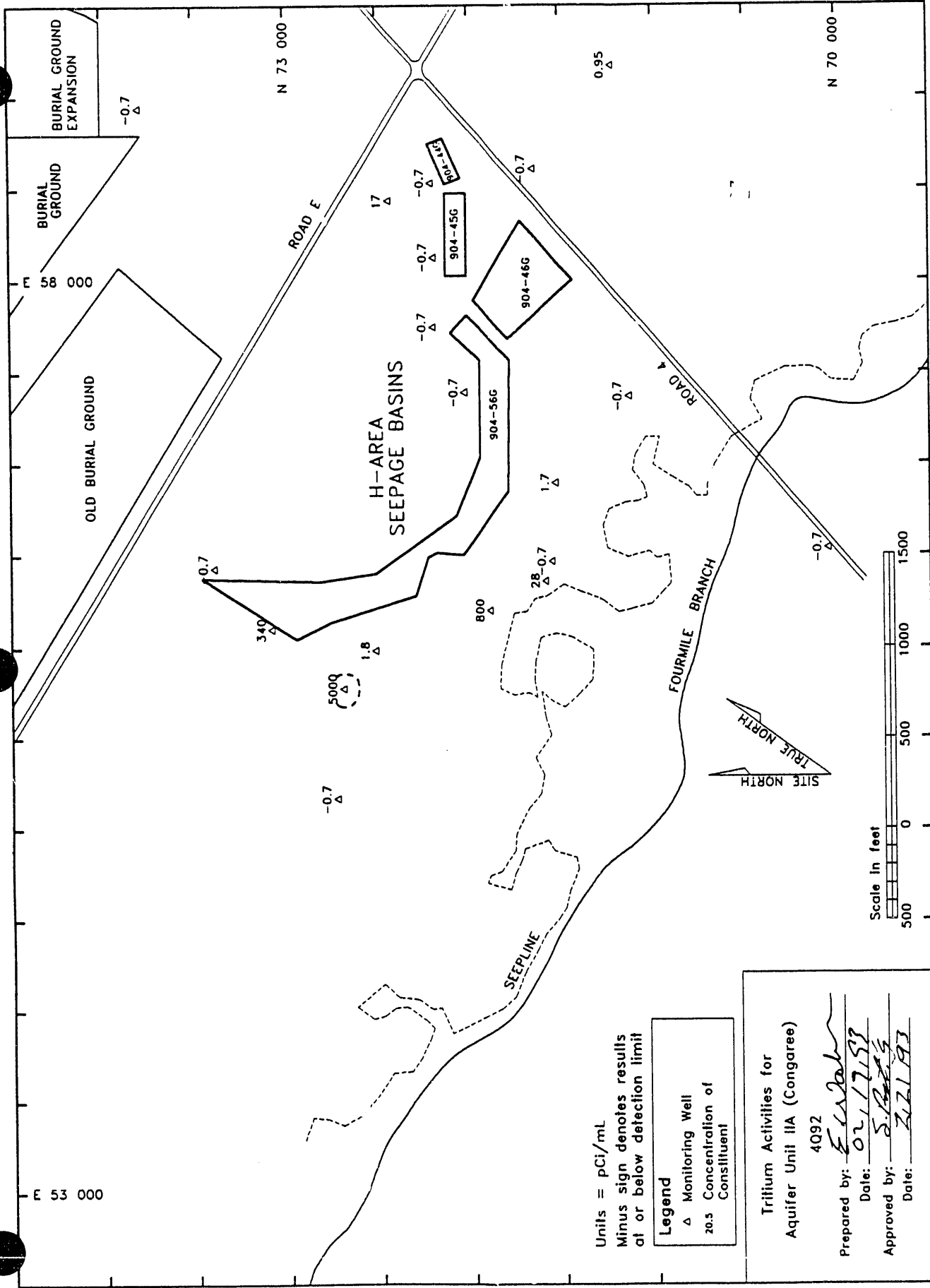


Figure 22. Tritium Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992

50  
Δ

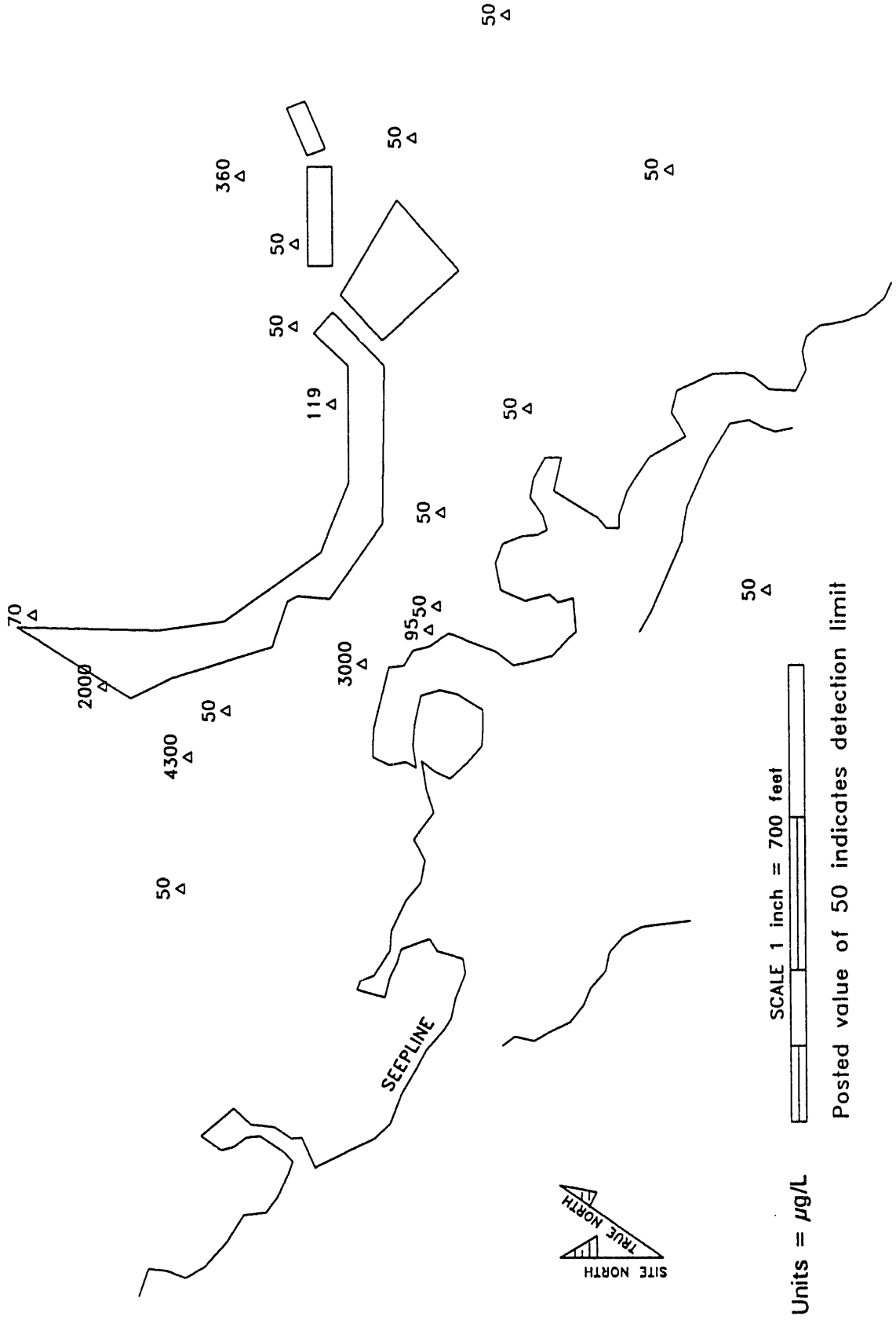


Figure 23. Nitrate Concentrations in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, First Quarter 1992

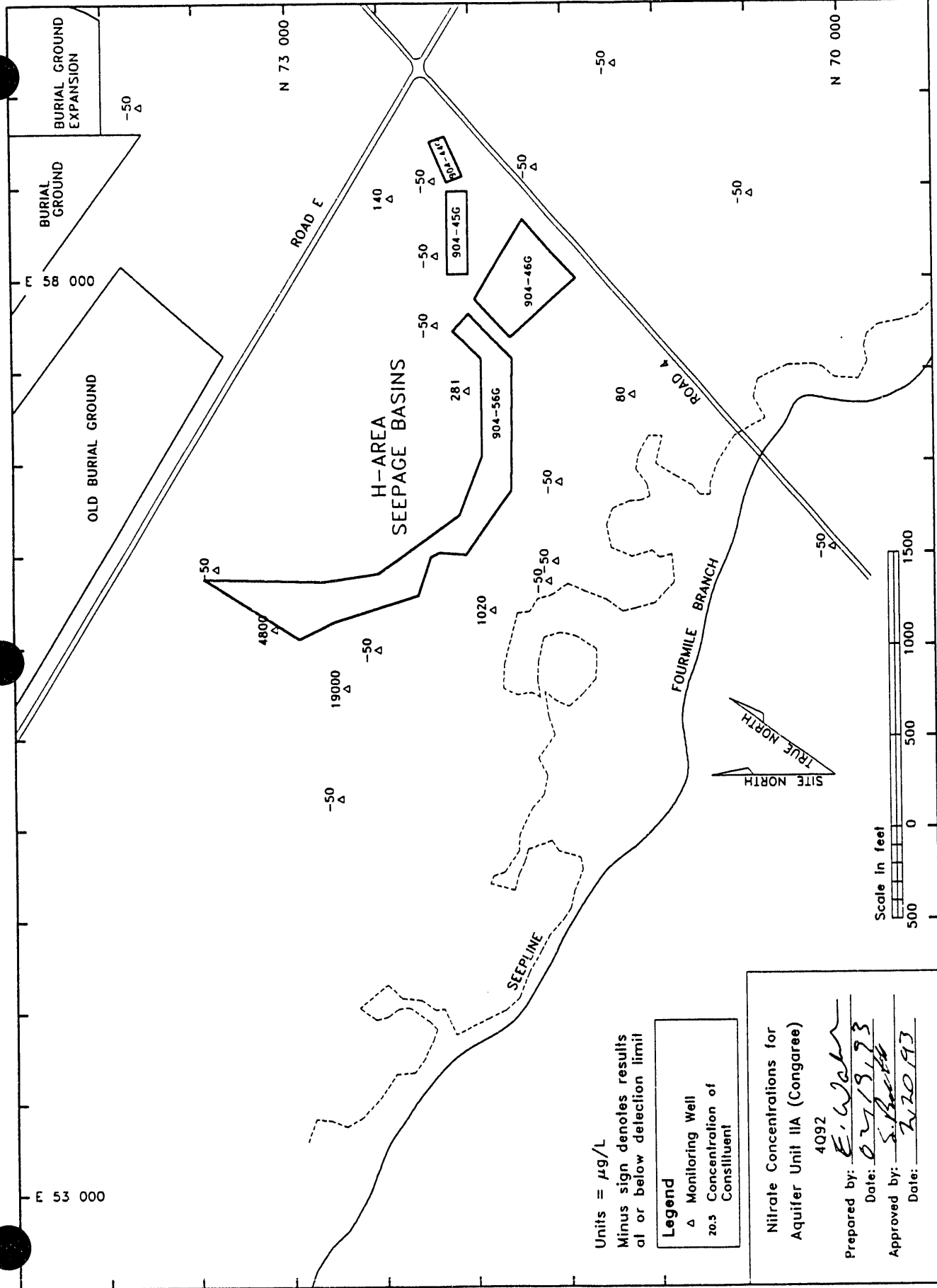


Figure 24. Nitrate Concentrations in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992

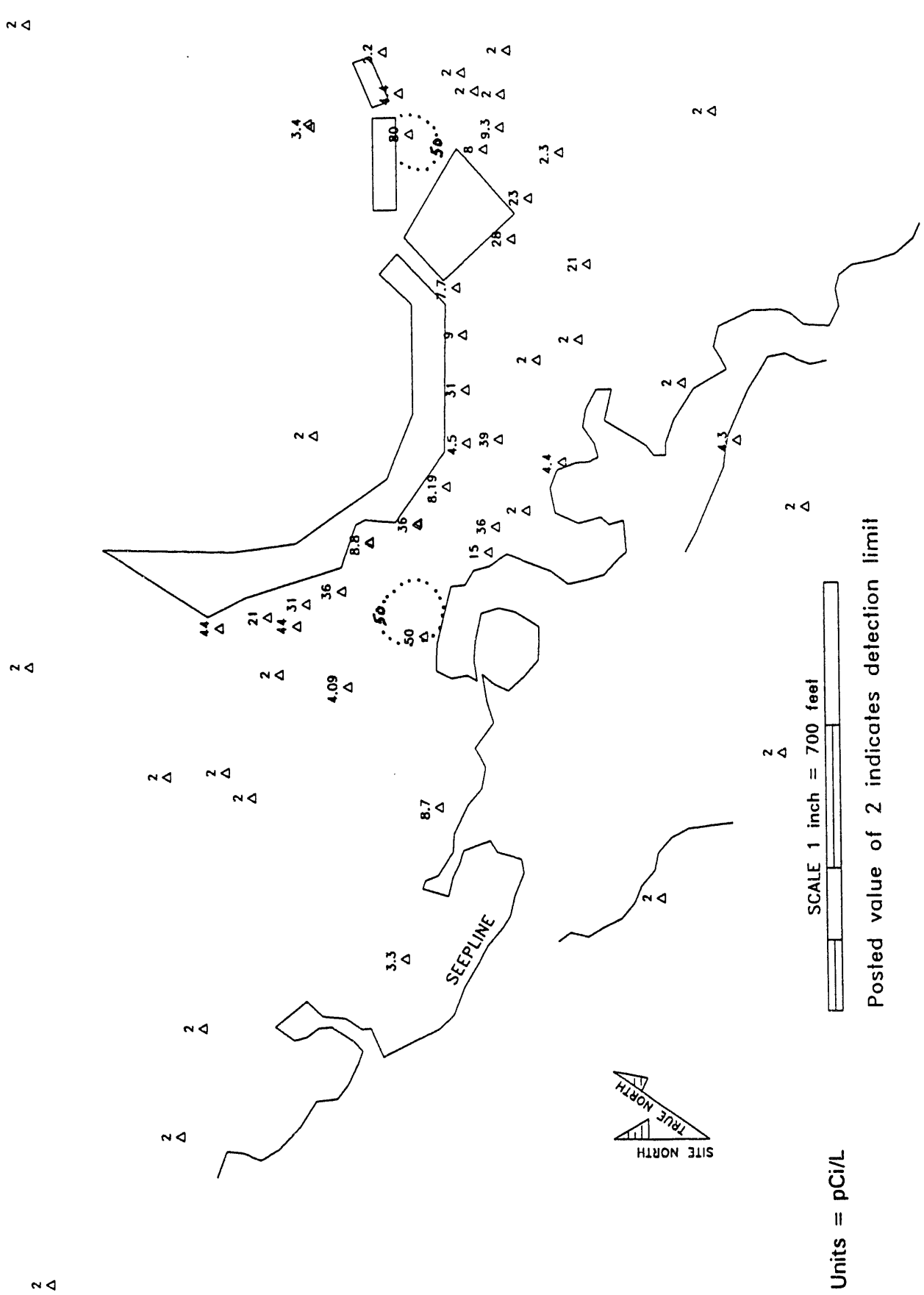


Figure 25. Gross Alpha Activities in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, First Quarter 1992



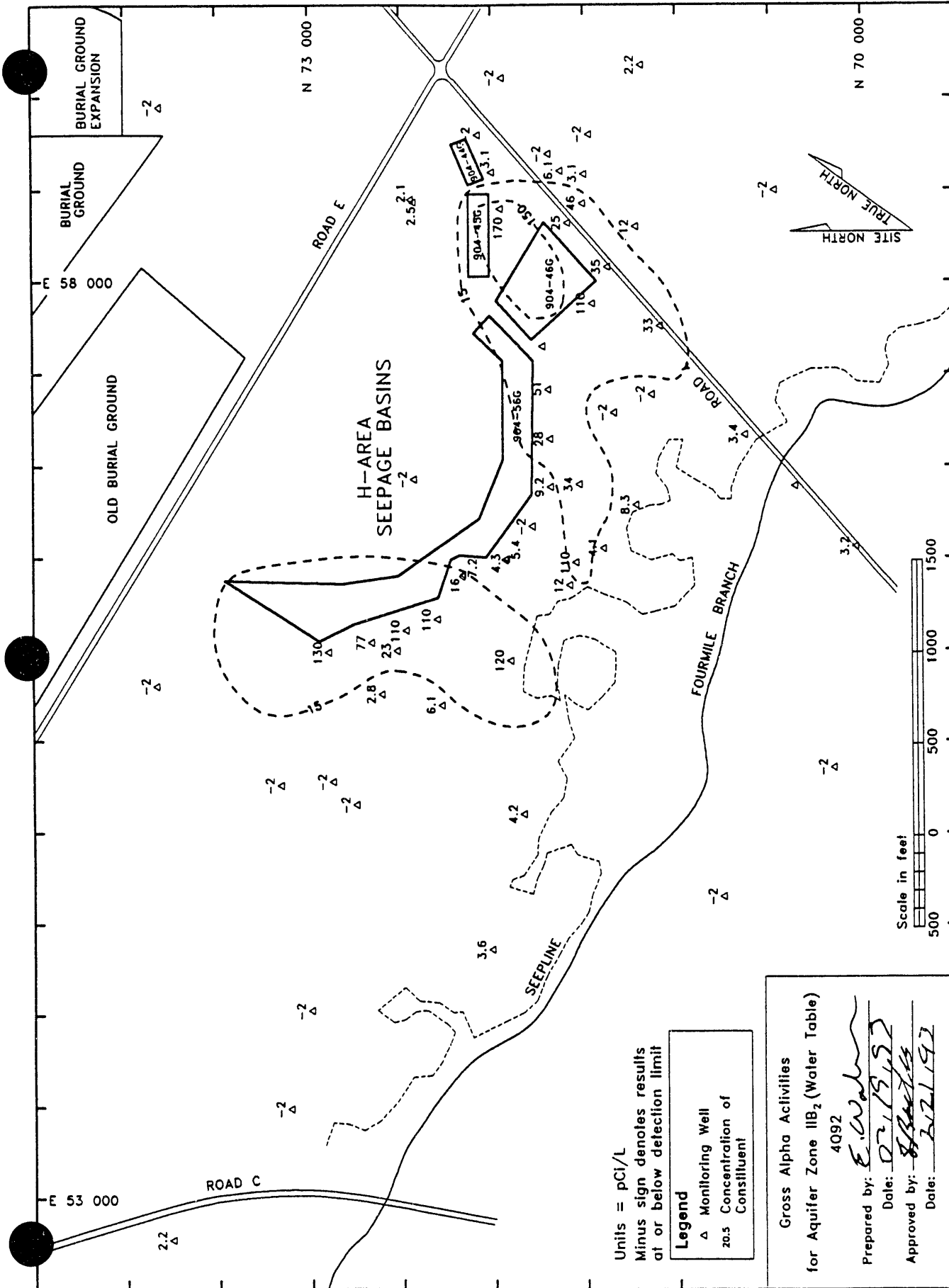
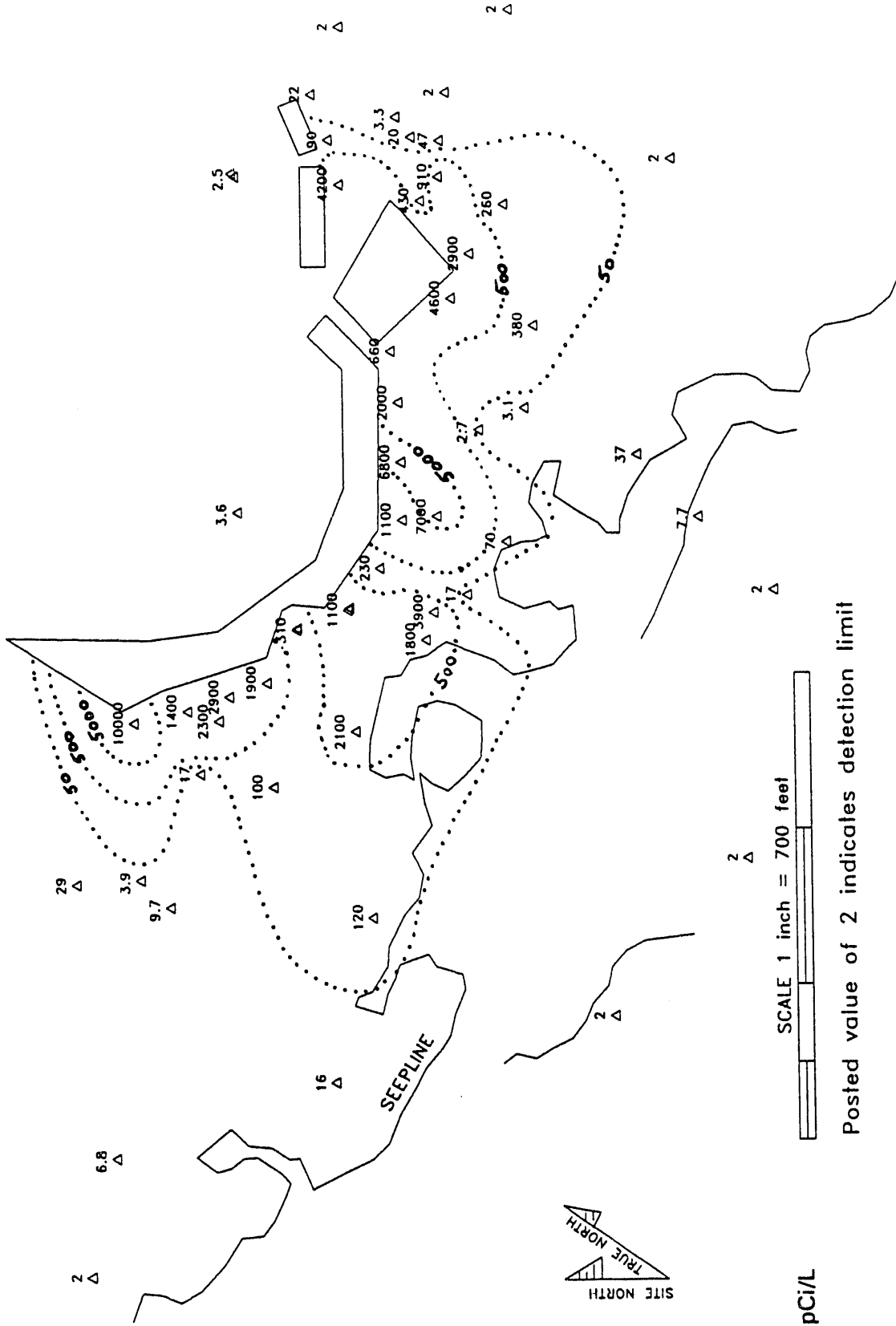


Figure 26. Gross Alpha Activities in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992

2 Δ

2 Δ

2 Δ



Units = pCi/L

SCALE 1 inch = 700 feet

Posted value of 2 indicates detection limit

Figure 27. Nonvolatile Beta Activities in Aquifer Zone IIB, (Water Table) at the H-Area Seepage Basins, First Quarter 1992

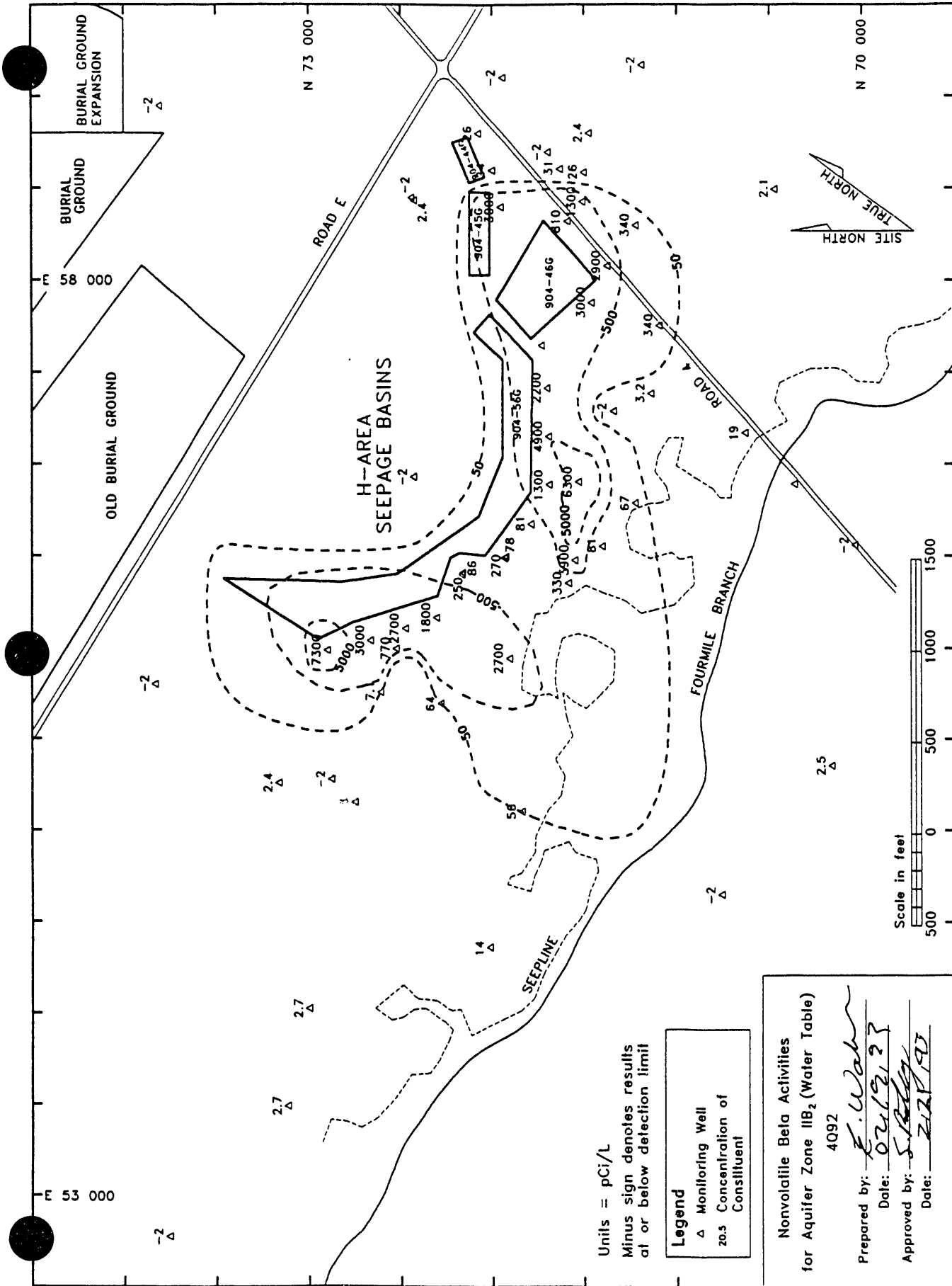


Figure 28. Nonvolatile Beta Activities in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992

2 Δ

H-Area Seepage Basins

C-30

Fourth Quarter 1992

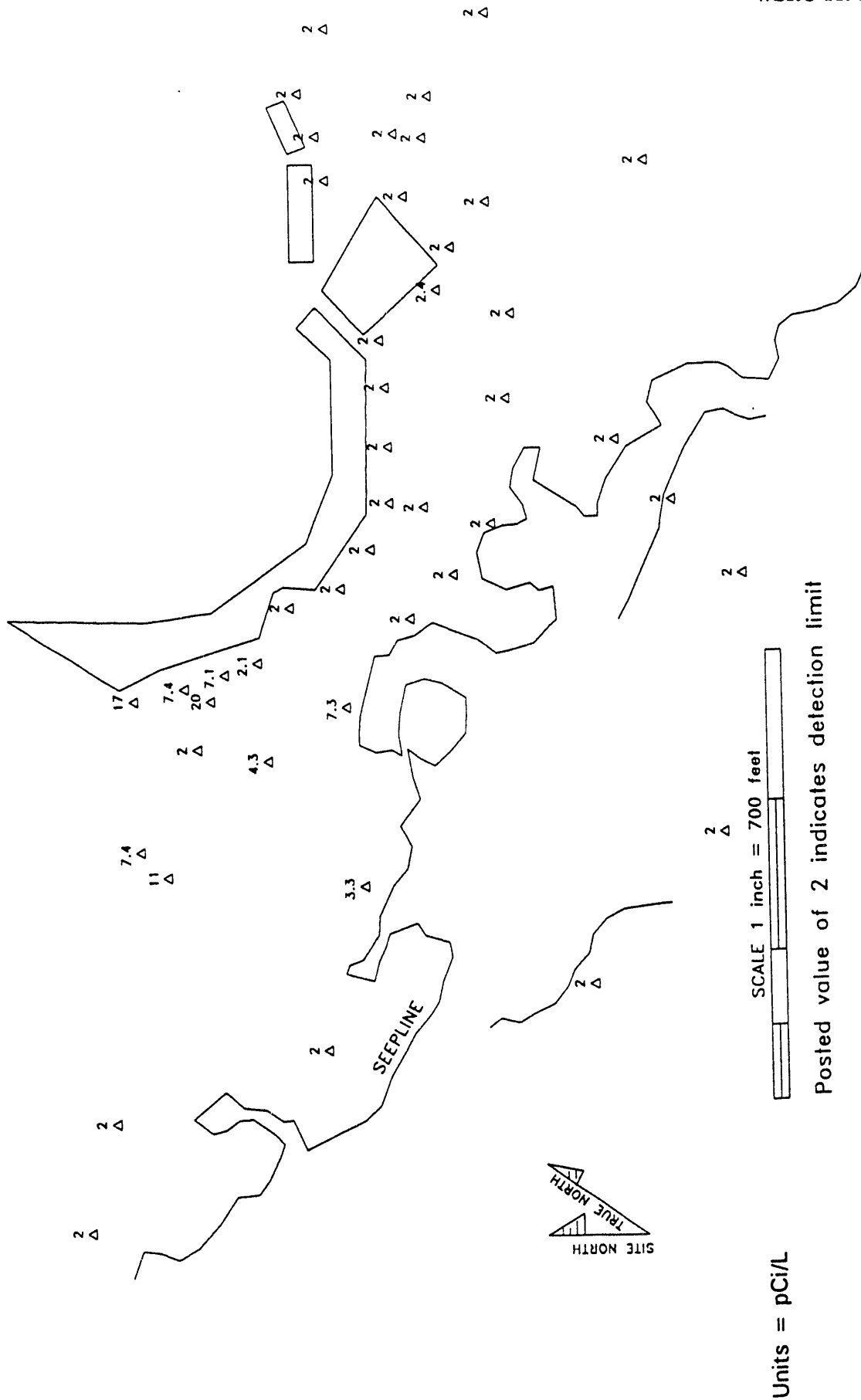


Figure 29. Gross Alpha Activities in Upper Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992

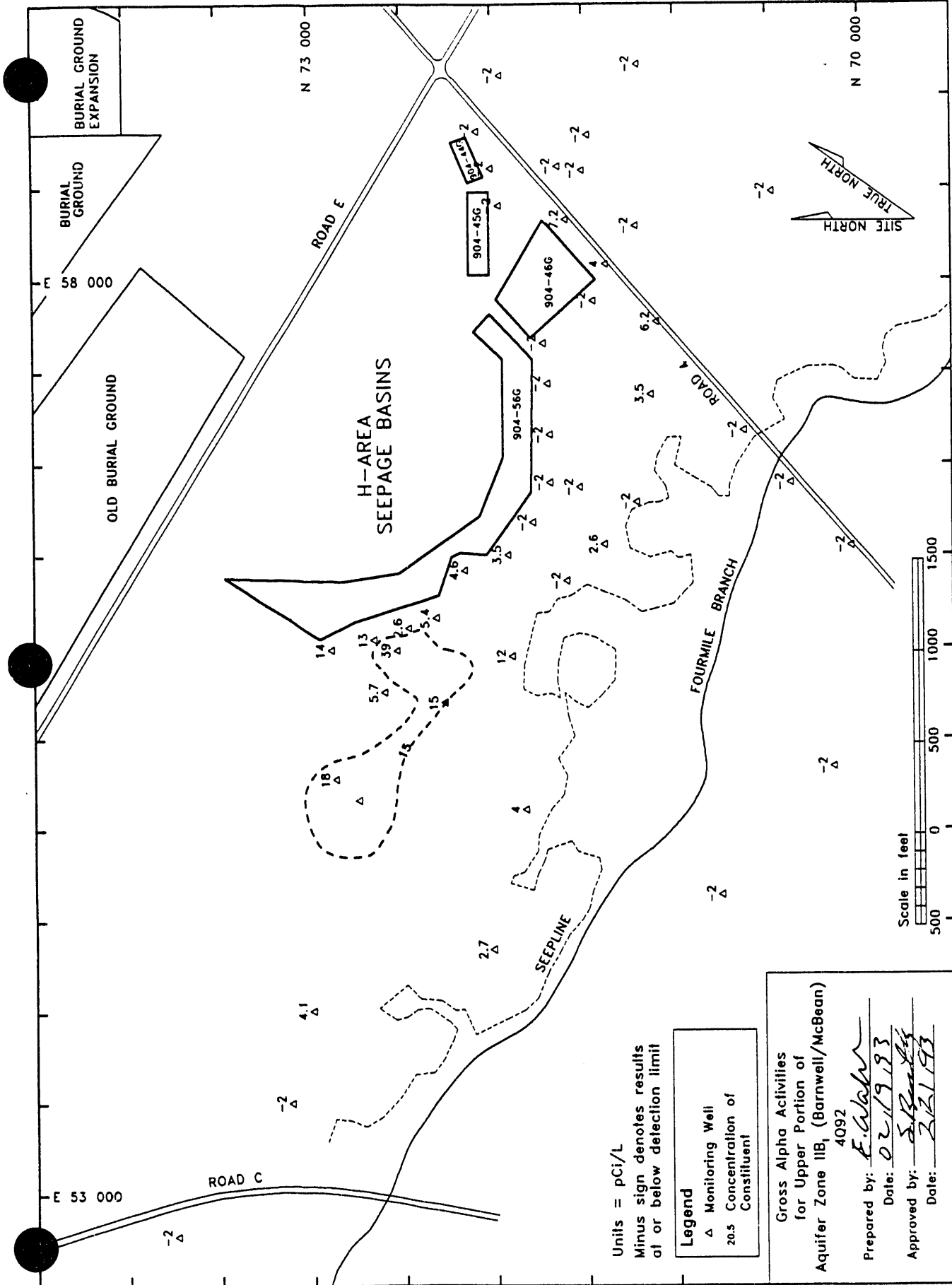


Figure 30. Gross Alpha Activities in Upper Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992

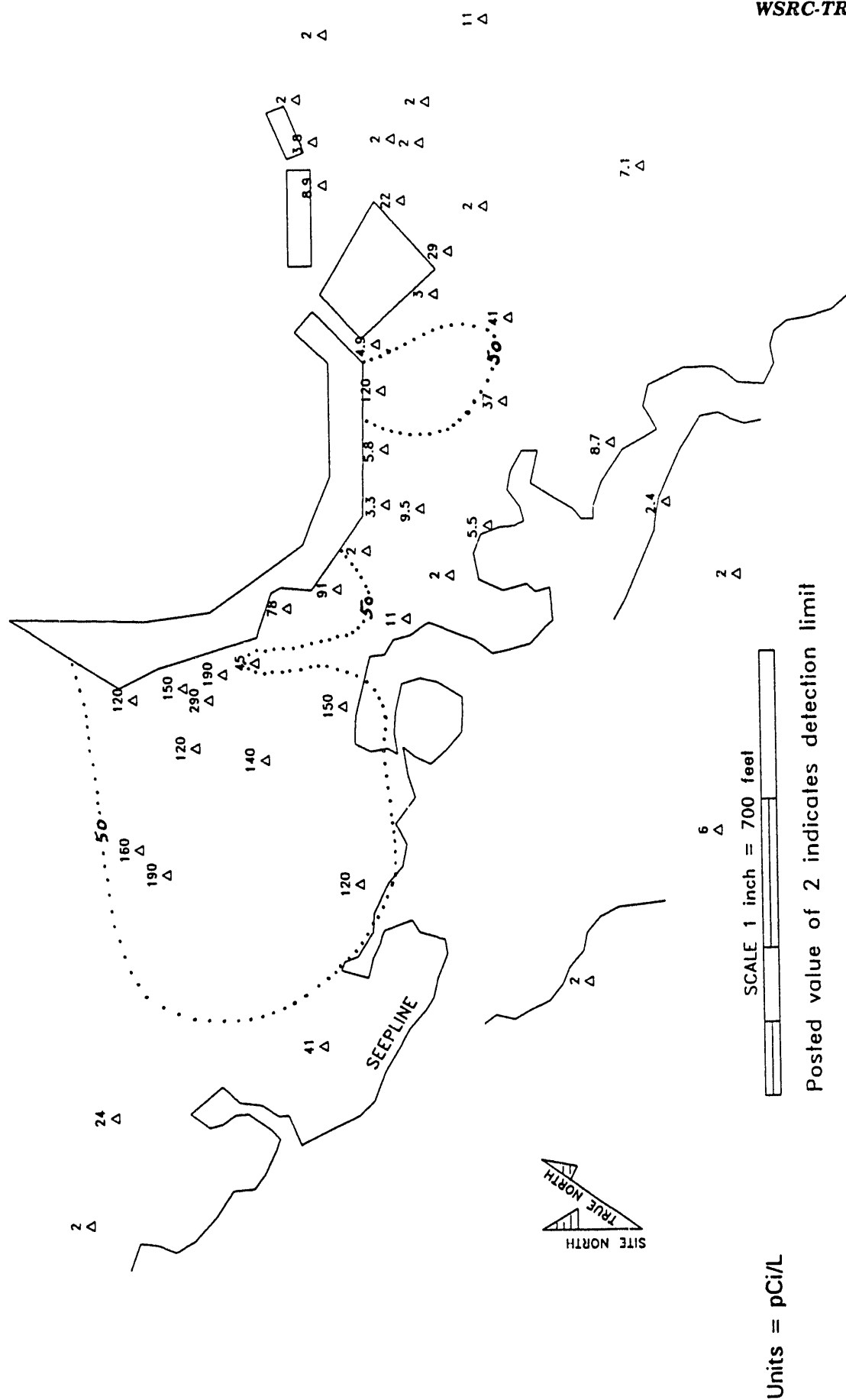
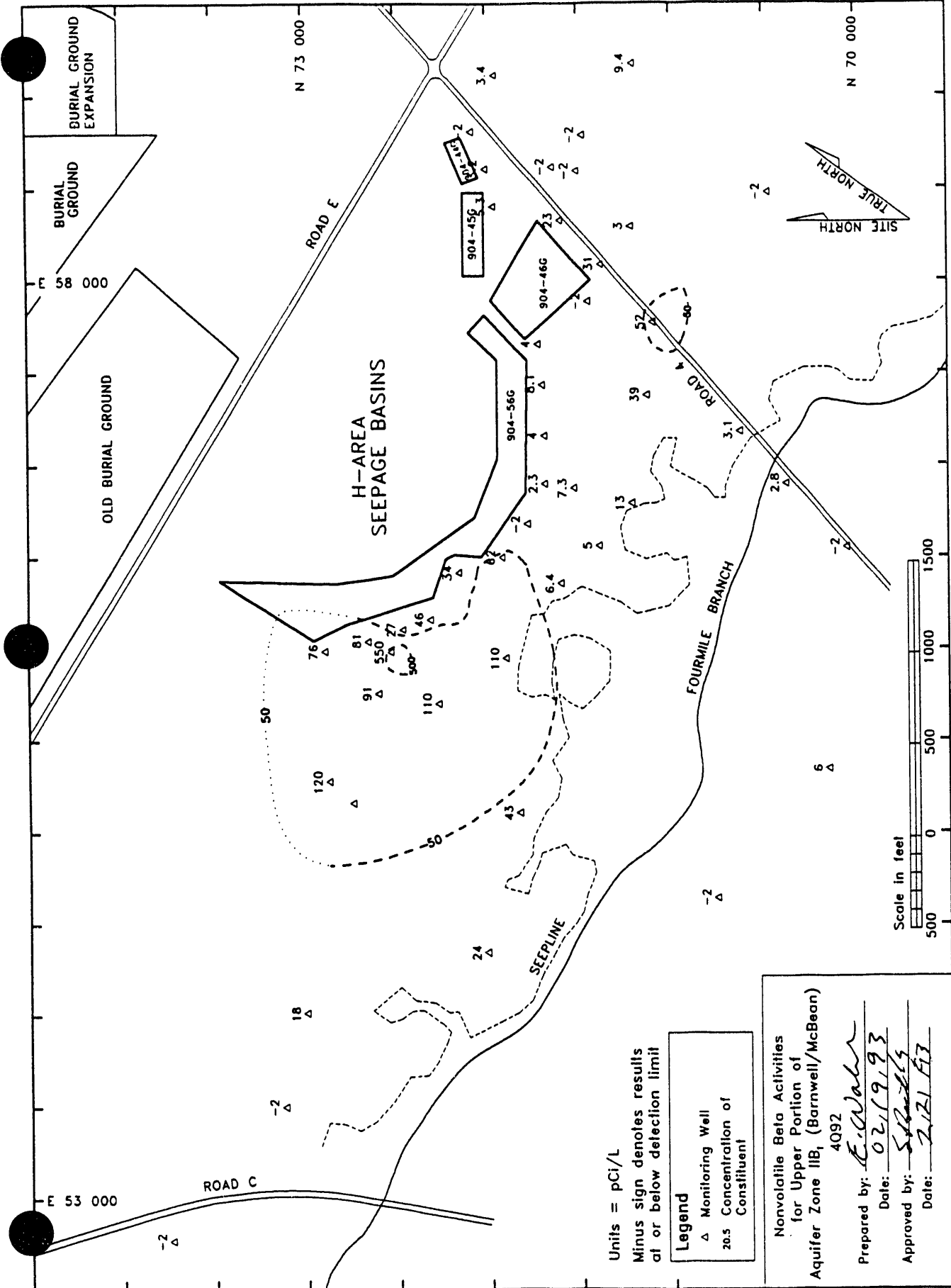


Figure 31. Nonvolatile Beta Activities in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992



H-Area Seepage Basins

C-33

Fourth Quarter 1992

Units = pCi/L

Minus sign denotes results at or below detection limit

Legend	
△	Monitoring Well
20.5	Concentration of Constituent

Nonvolatile Beta Activities for Upper Portion of Aquifer Zone IIB, (Barnwell/McBean) 4092

Prepared by: E. W. Wain  
 Date: 02/19/93  
 Approved by: S. B. Smith  
 Date: 2/21/93

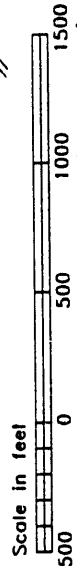


Figure 32. Nonvolatile Beta Activities in Upper Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992

2 Δ

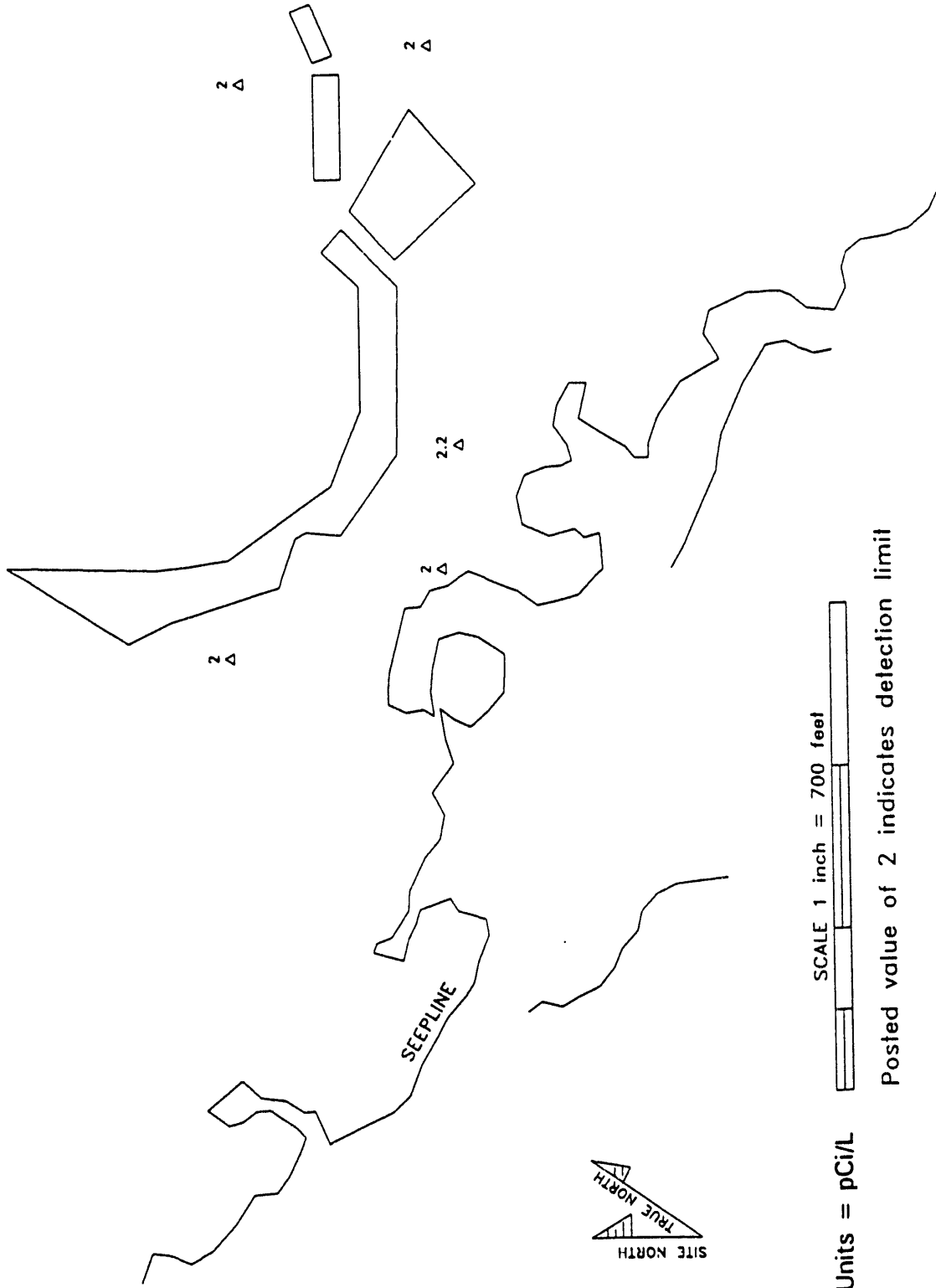
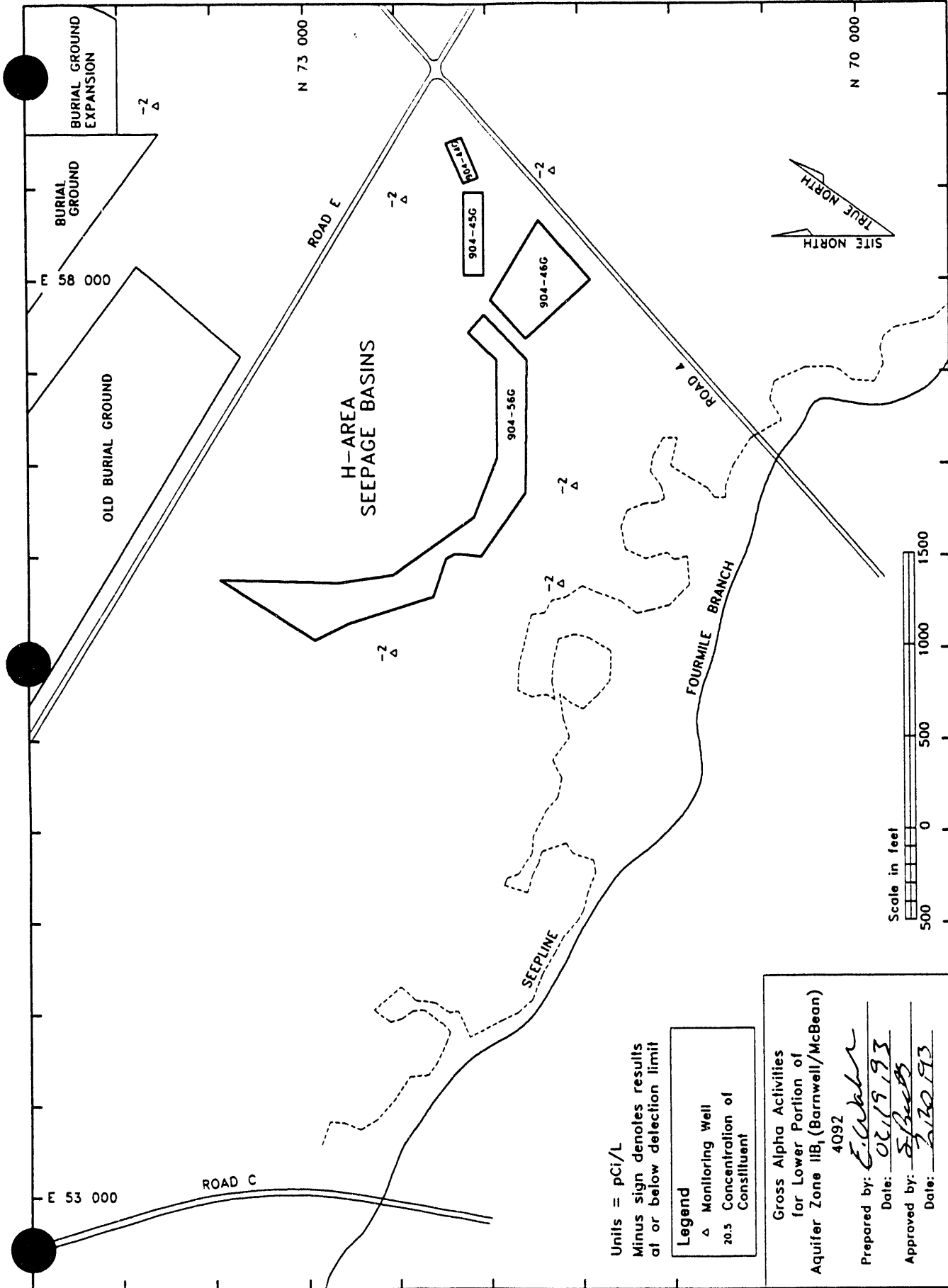


Figure 33. Gross Alpha Activities in Lower Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992





H-Area Seepage Basins

C-35

Fourth Quarter 1992

Figure 34. Gross Alpha Activities in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992

2 Δ

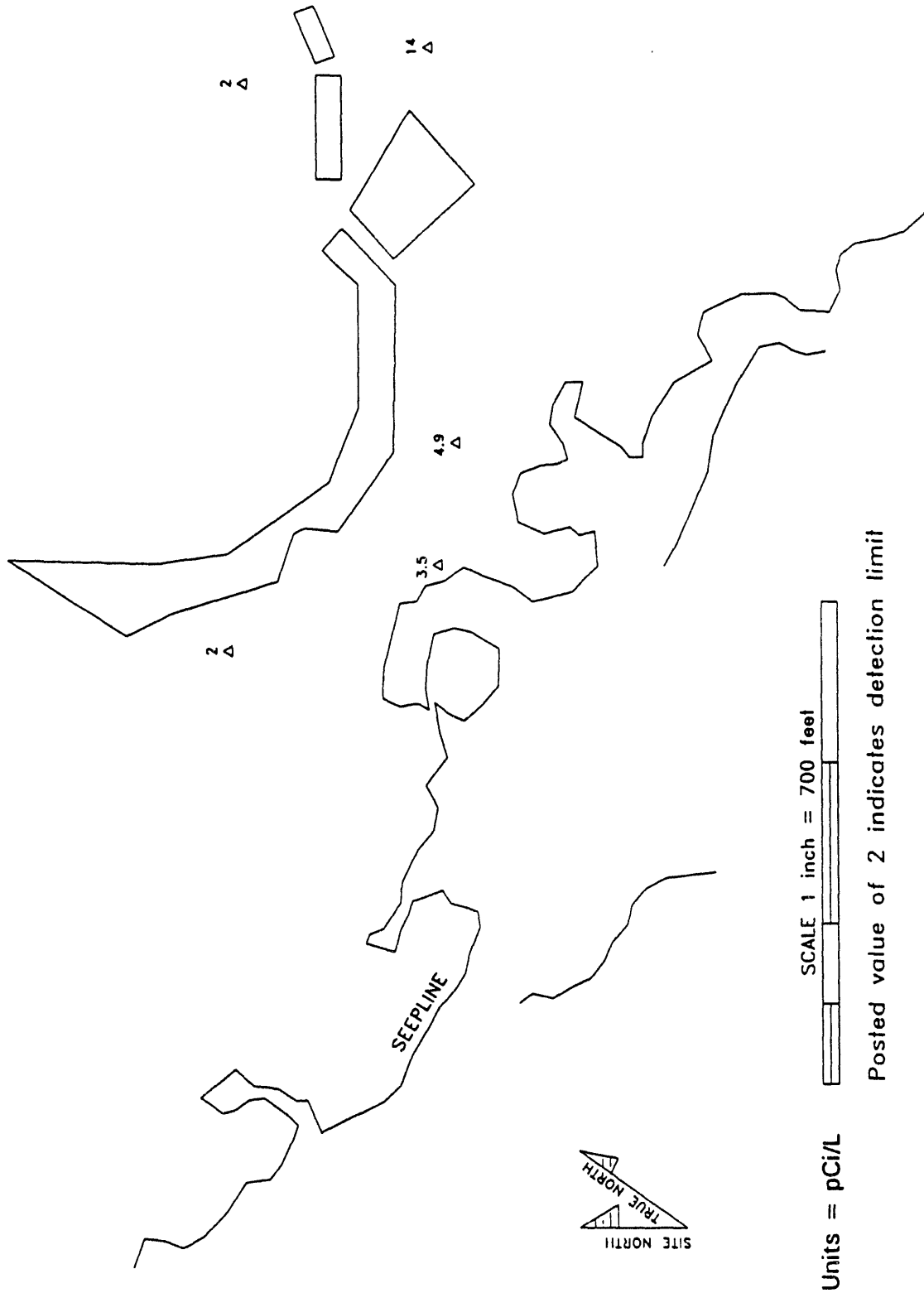
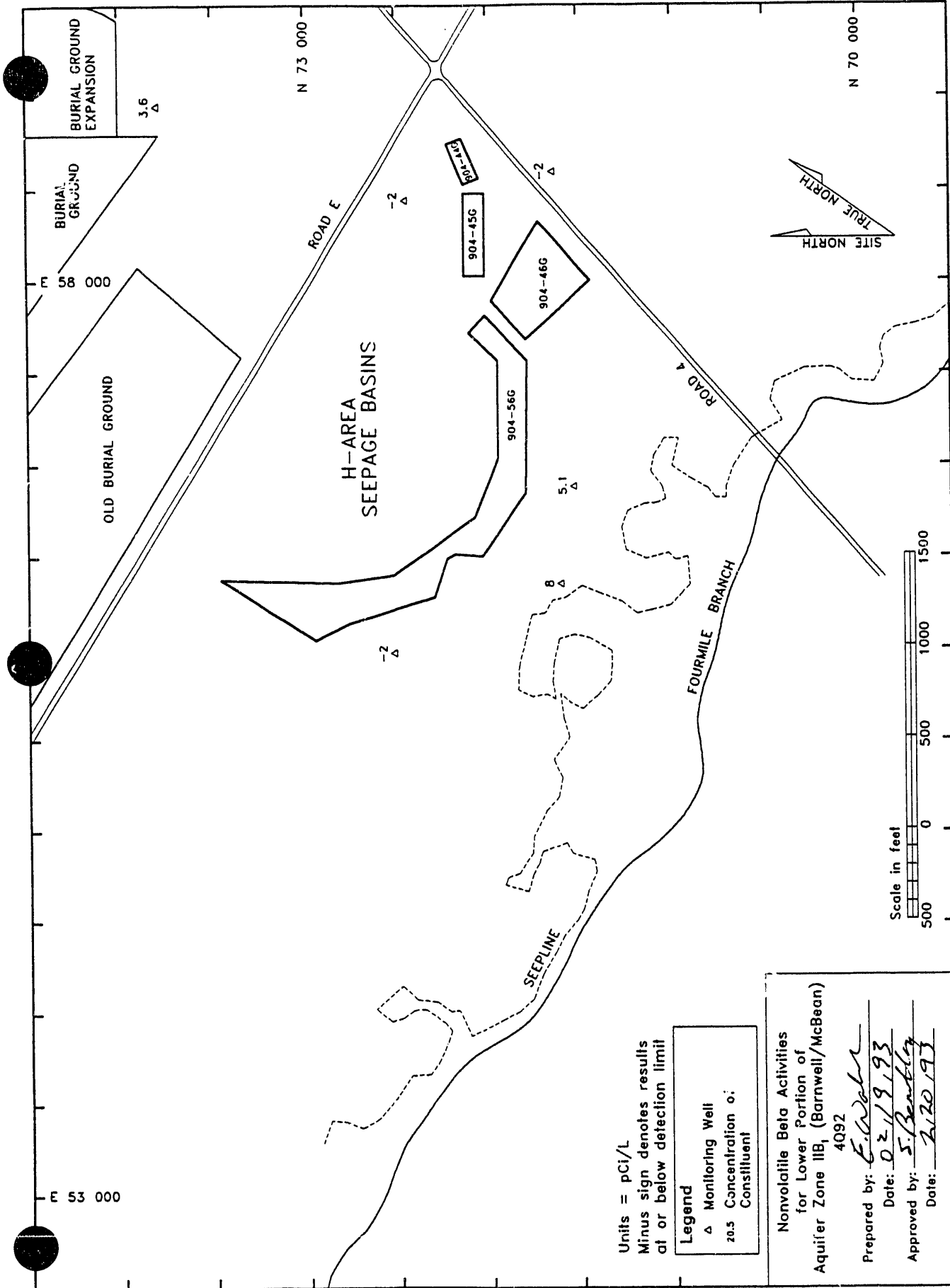


Figure 35. Nonvolatile Beta Activities in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992



H-Area Seepage Basins

C-37

Fourth Quarter 1992

Figure 36. Nonvolatile Beta Activities in Lower Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992

3  
Δ

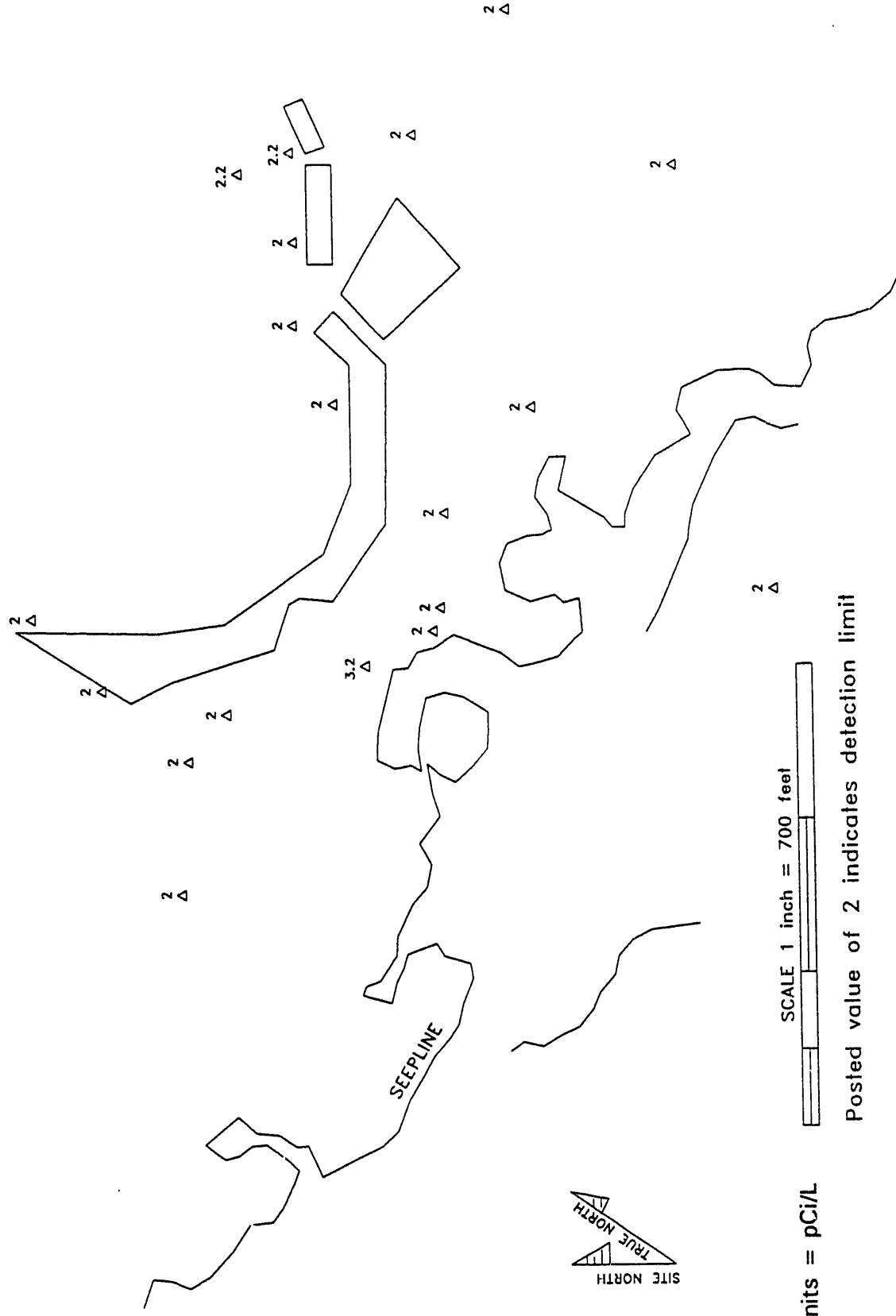
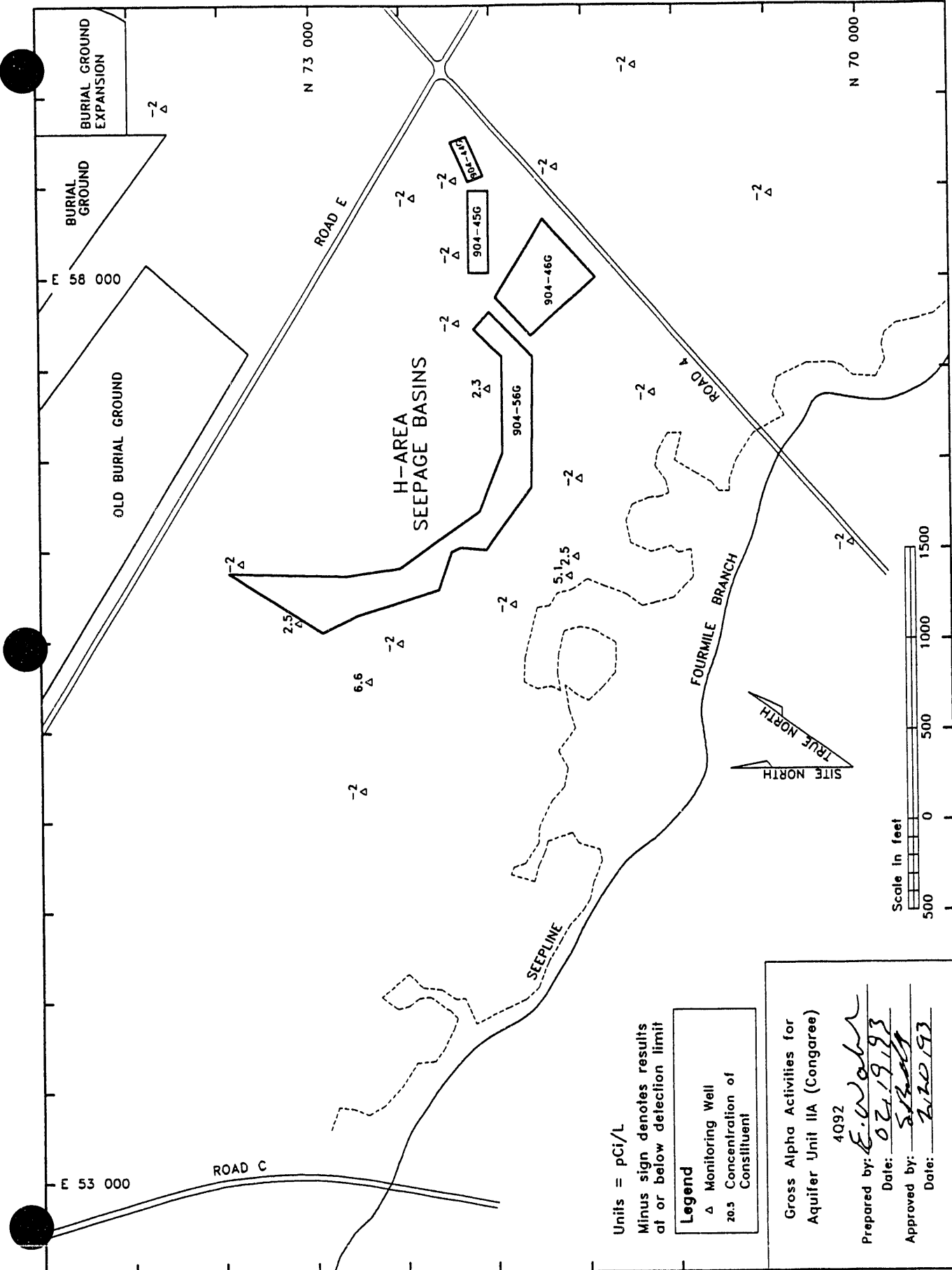


Figure 37. Gross Alpha Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, First Quarter 1992



H-Area Seepage Basins

C-39

Fourth Quarter 1992

Figure 38. Gross Alpha Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992

Units = pCi/L  
 Minus sign denotes results  
 at or below detection limit

**Legend**  
 Δ Monitoring Well  
 20.5 Concentration of  
 Constituent

Gross Alpha Activities for  
 Aquifer Unit IIA (Congaree)  
 4092  
 Prepared by: *E. W. Wahn*  
 Date: *02/19/93*  
 Approved by: *[Signature]*  
 Date: *2/20/93*

3.7  
Δ

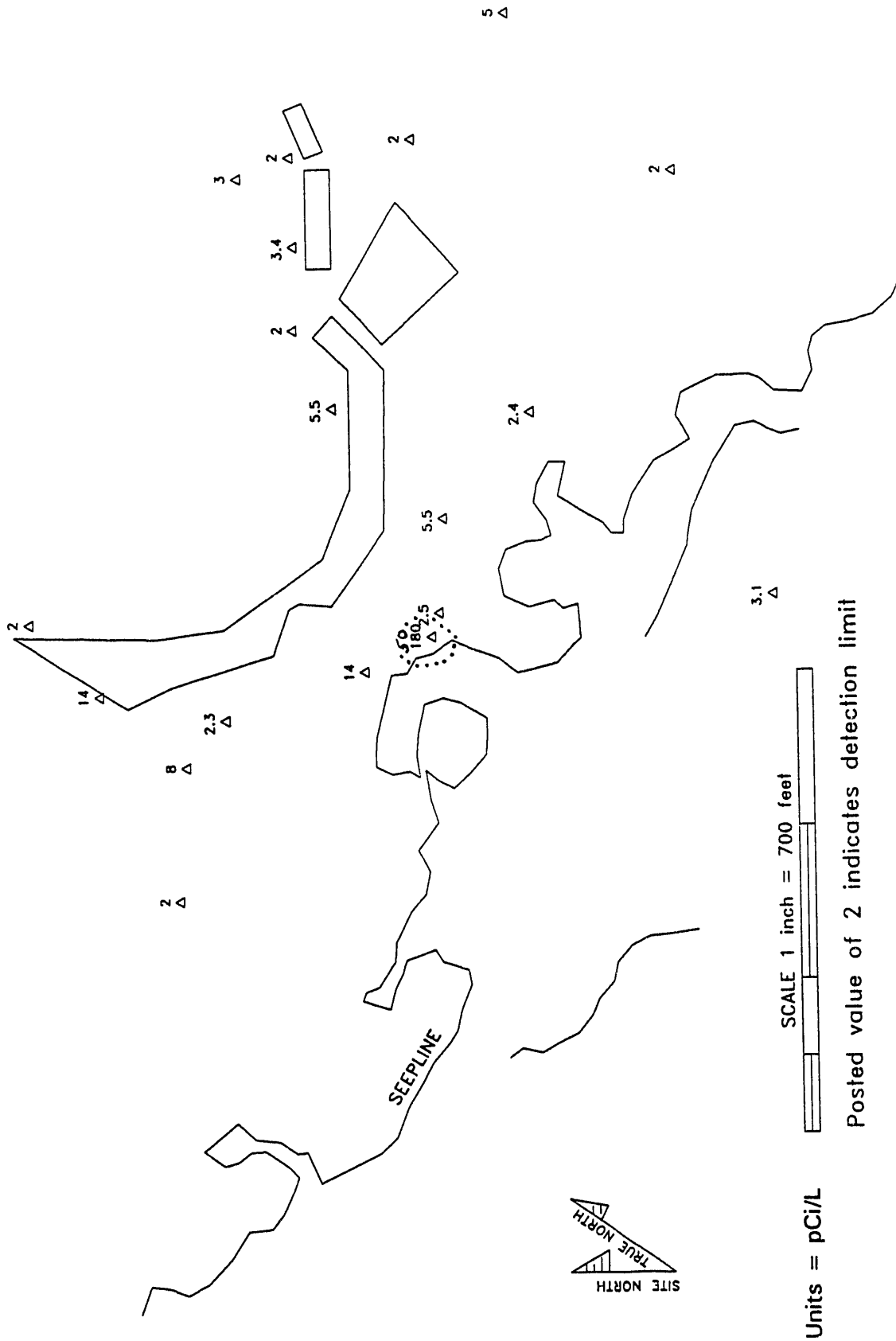
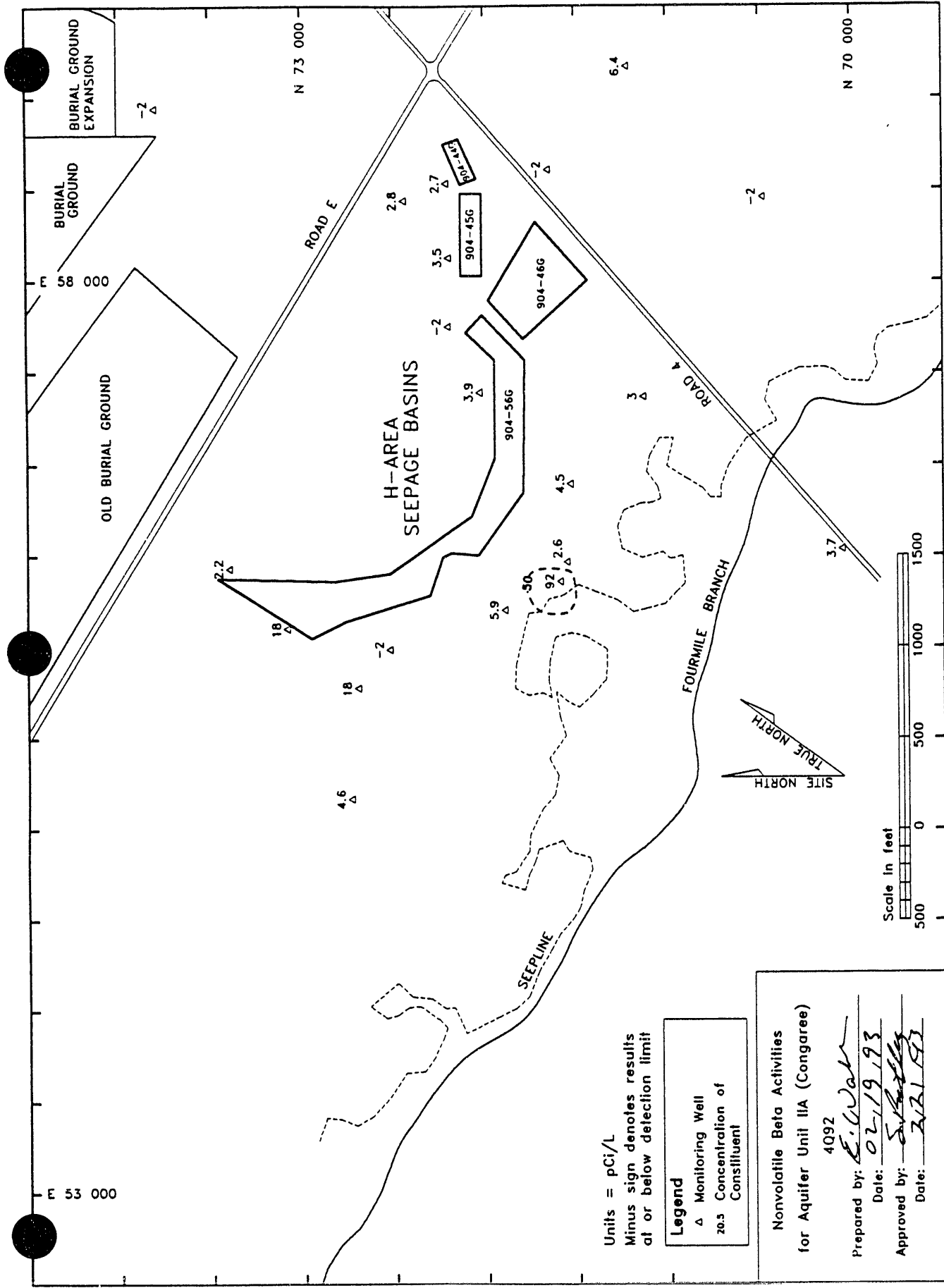


Figure 39. Nonvolatile Beta Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, First Quarter 1992



Units = pCi/L  
 Minus sign denotes results at or below detection limit

**Legend**  
 Δ Monitoring Well  
 20.5 Concentration of Constituent

Nonvolatile Beta Activities for Aquifer Unit IIA (Congaree) 4092  
 Prepared by: *E. W. Van*  
 Date: *02/19/93*  
 Approved by: *S. B. Kelly*  
 Date: *2/21/93*

Figure 40. Nonvolatile Beta Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992





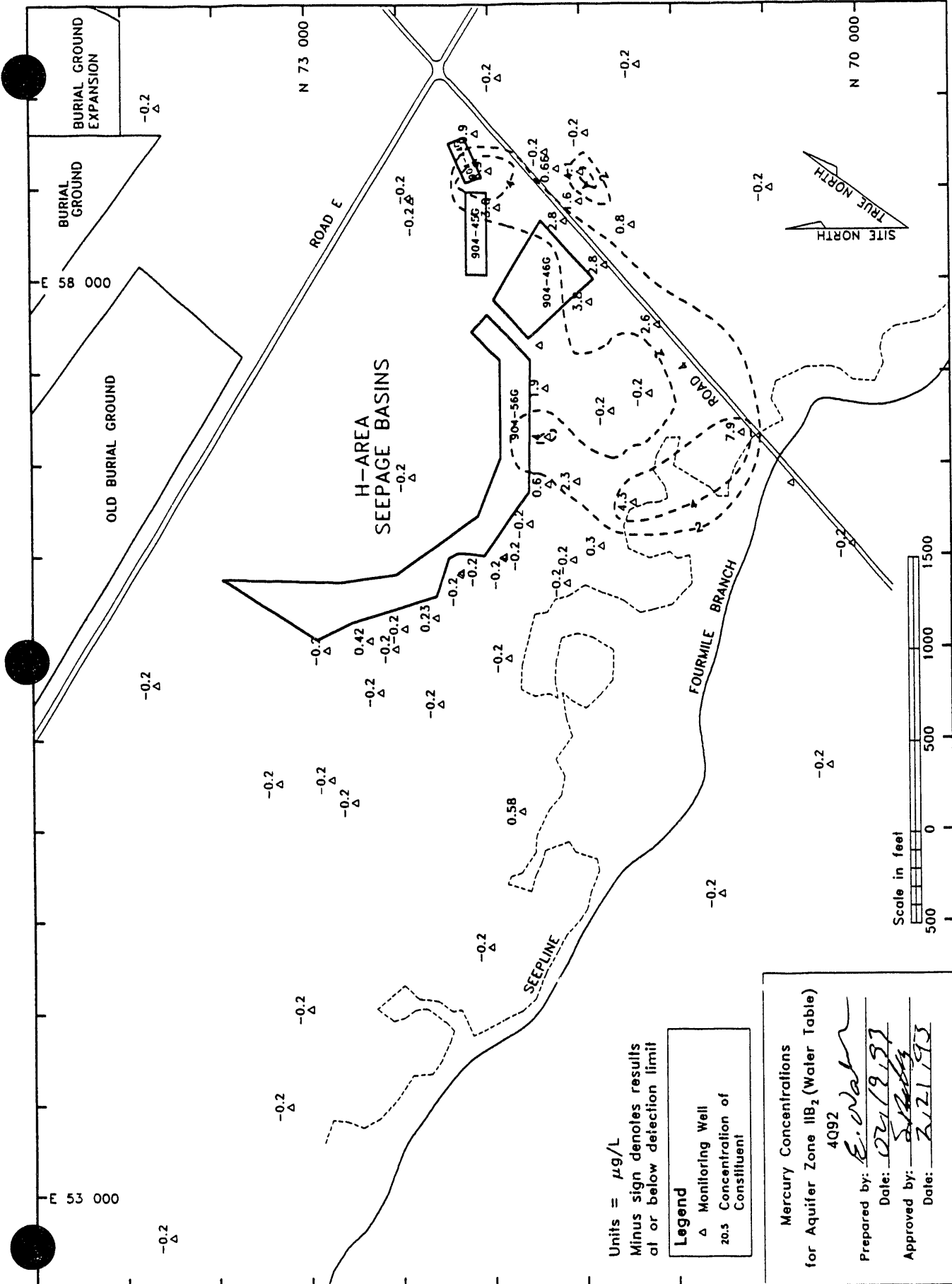


Figure 42. Mercury Concentrations in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992

0.2  
Δ

H-Area Seepage Basins

C-44

Fourth Quarter 1992

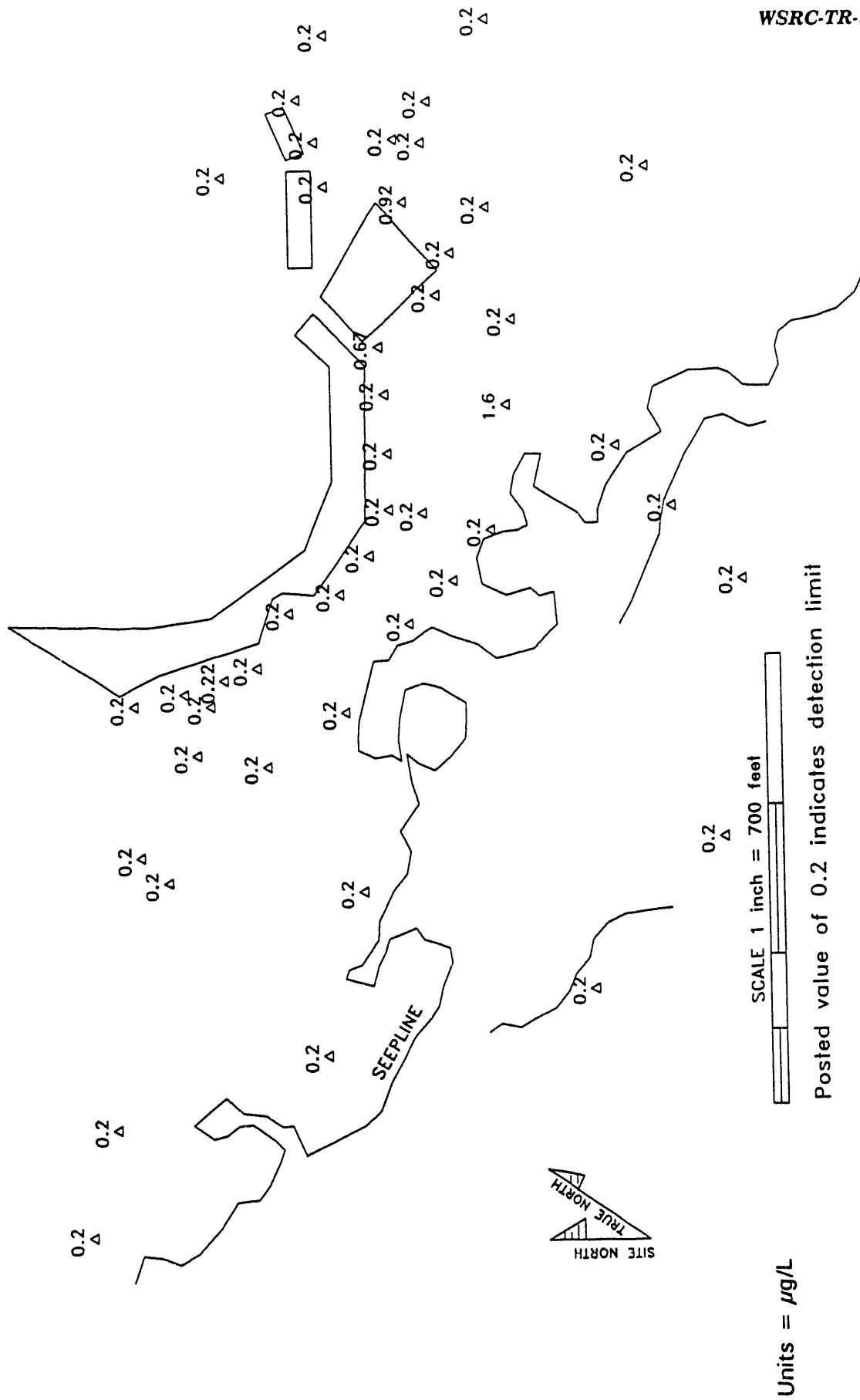
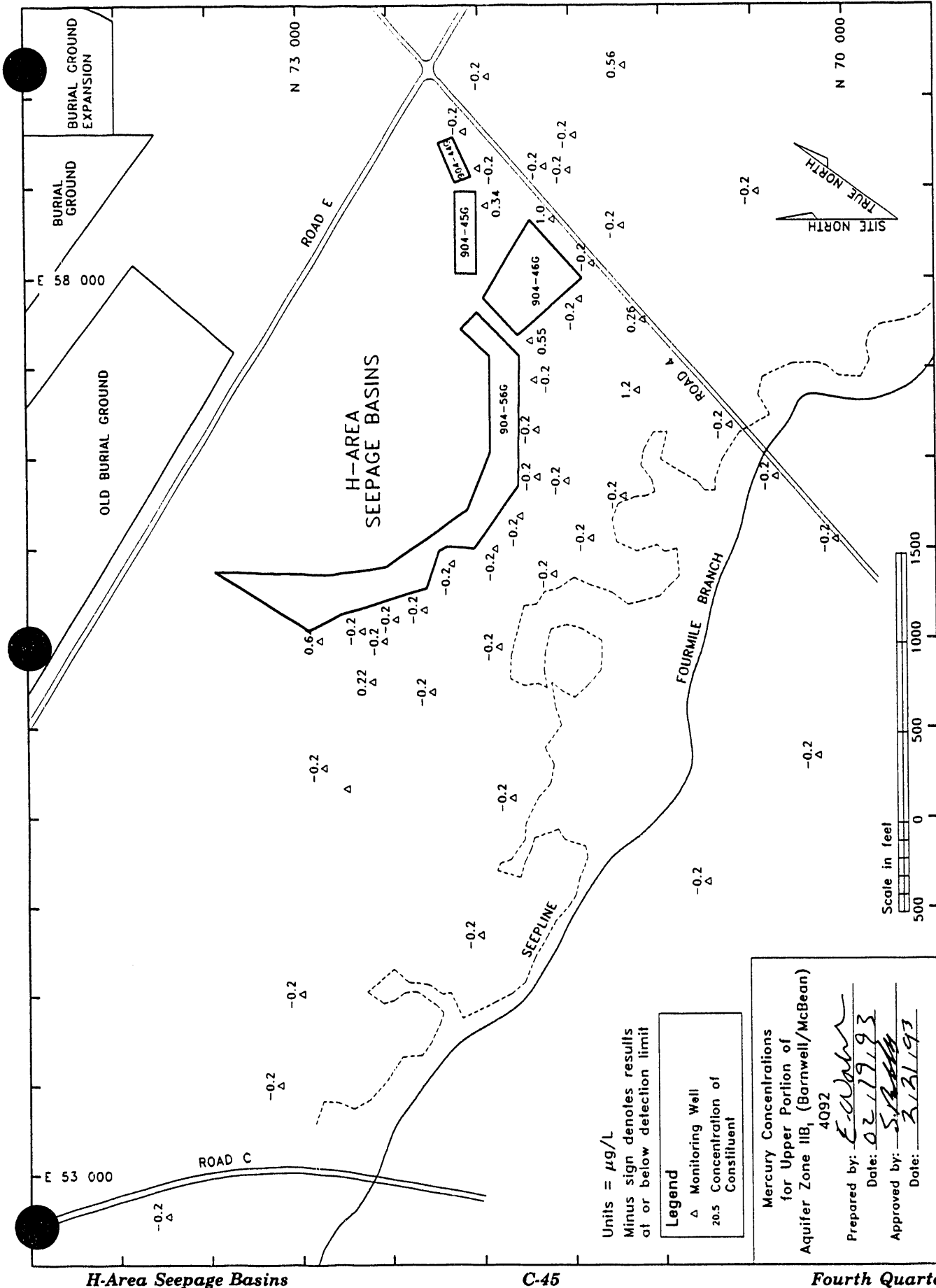
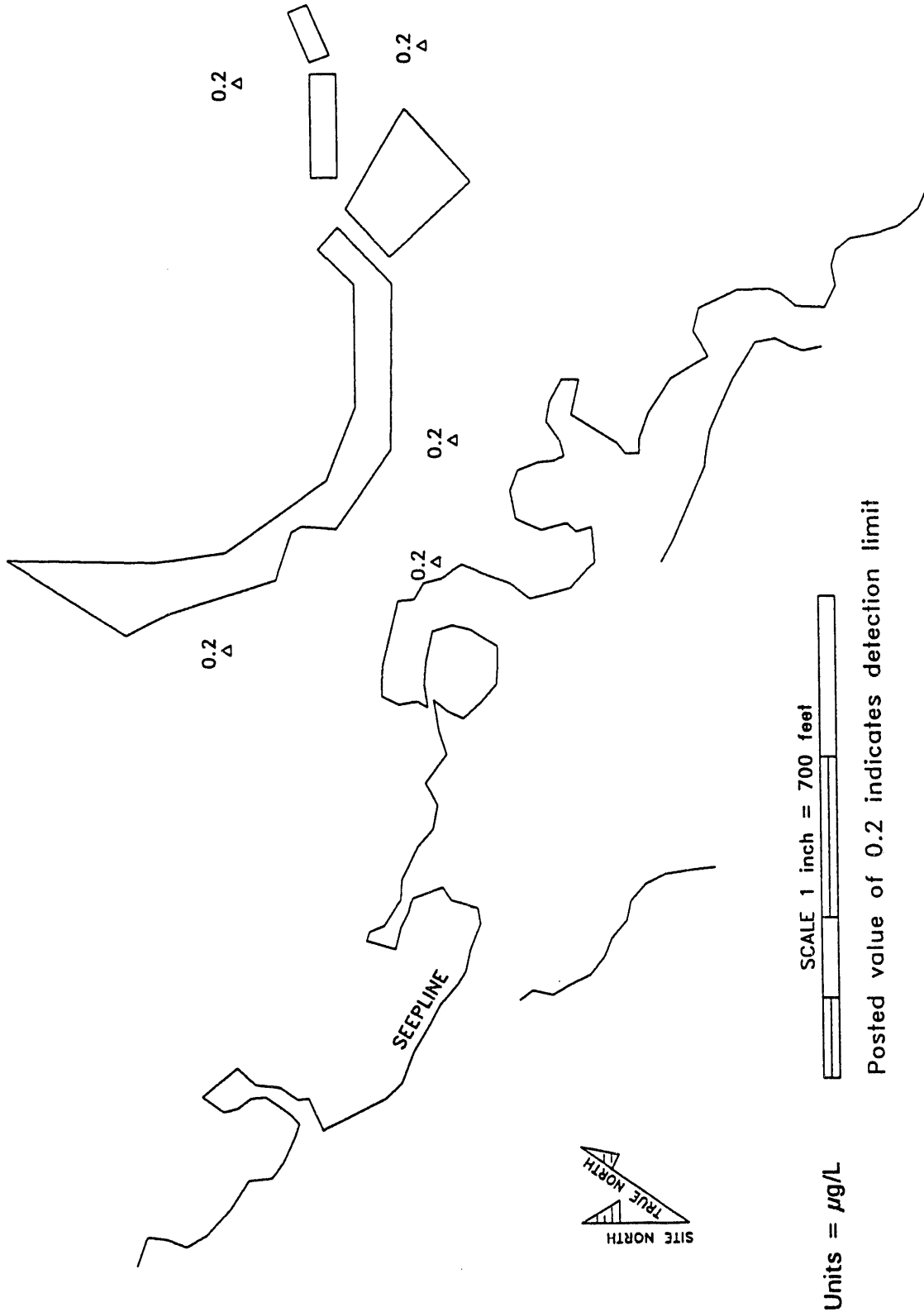


Figure 43. Mercury Concentrations in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992

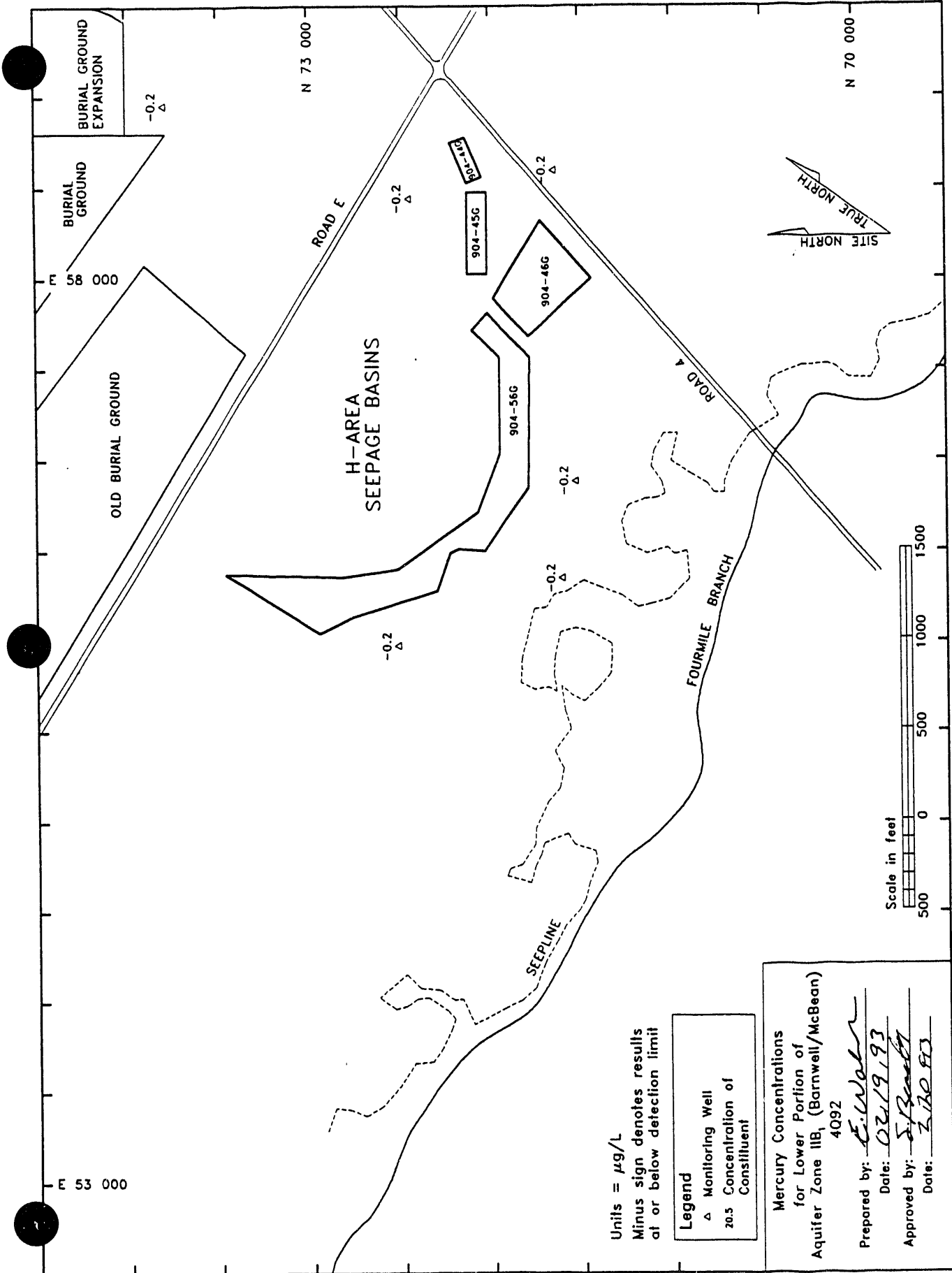


0.2  
Δ



Units =  $\mu\text{g/L}$

Figure 45. Mercury Concentrations in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, First Quarter 1992



Units =  $\mu\text{g/L}$   
 Minus sign denotes results at or below detection limit

**Legend**  
 △ Monitoring Well  
 20.5 Concentration of Constituent

Mercury Concentrations for Lower Portion of Aquifer Zone IIB, (Barnwell/McBean) 4092  
 Prepared by: *E. Walker*  
 Date: *02/19/93*  
 Approved by: *J. Searcy*  
 Date: *2/20/93*

Figure 46. Mercury Concentrations in Lower Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992

0.2  
Δ

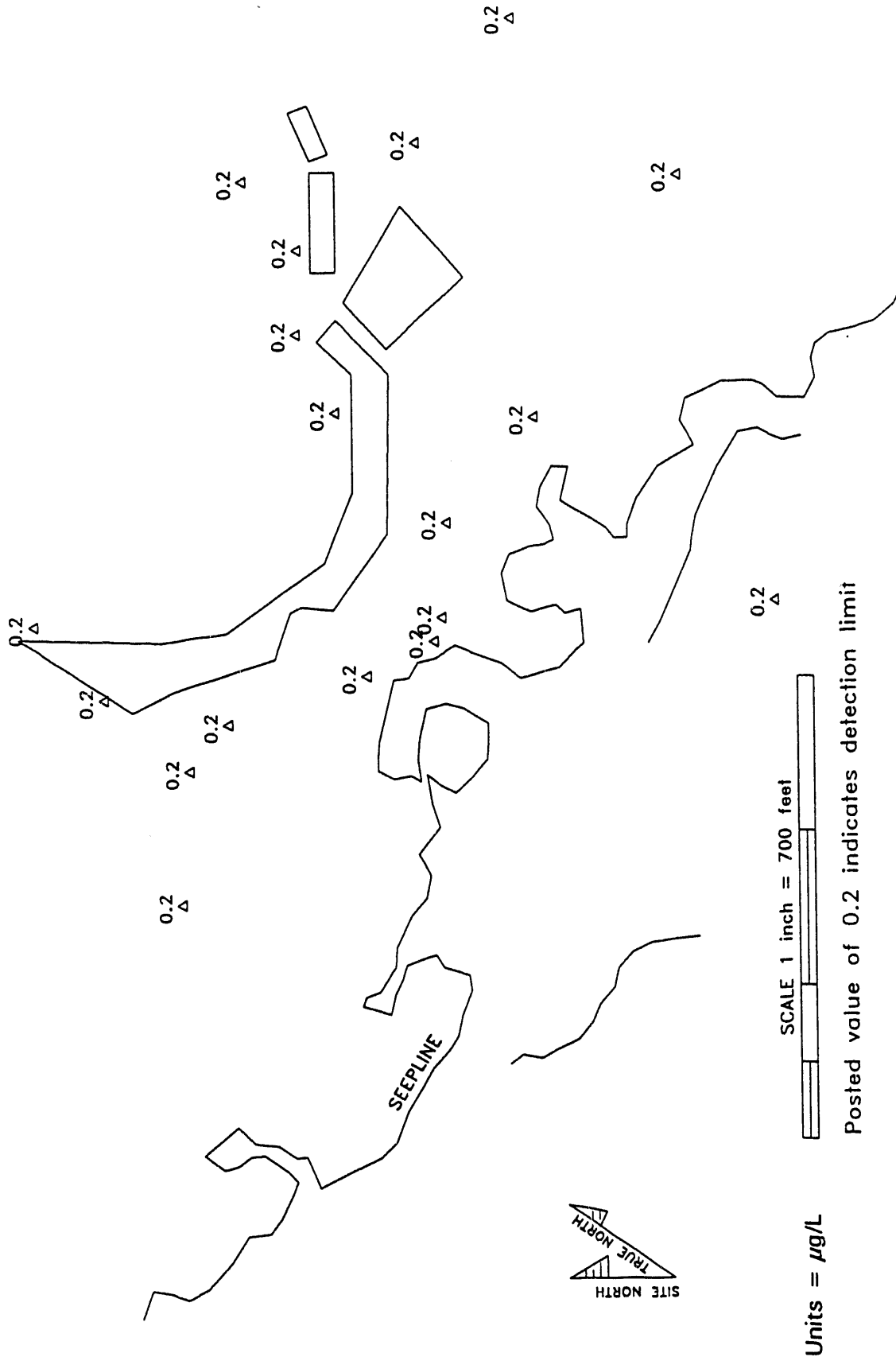
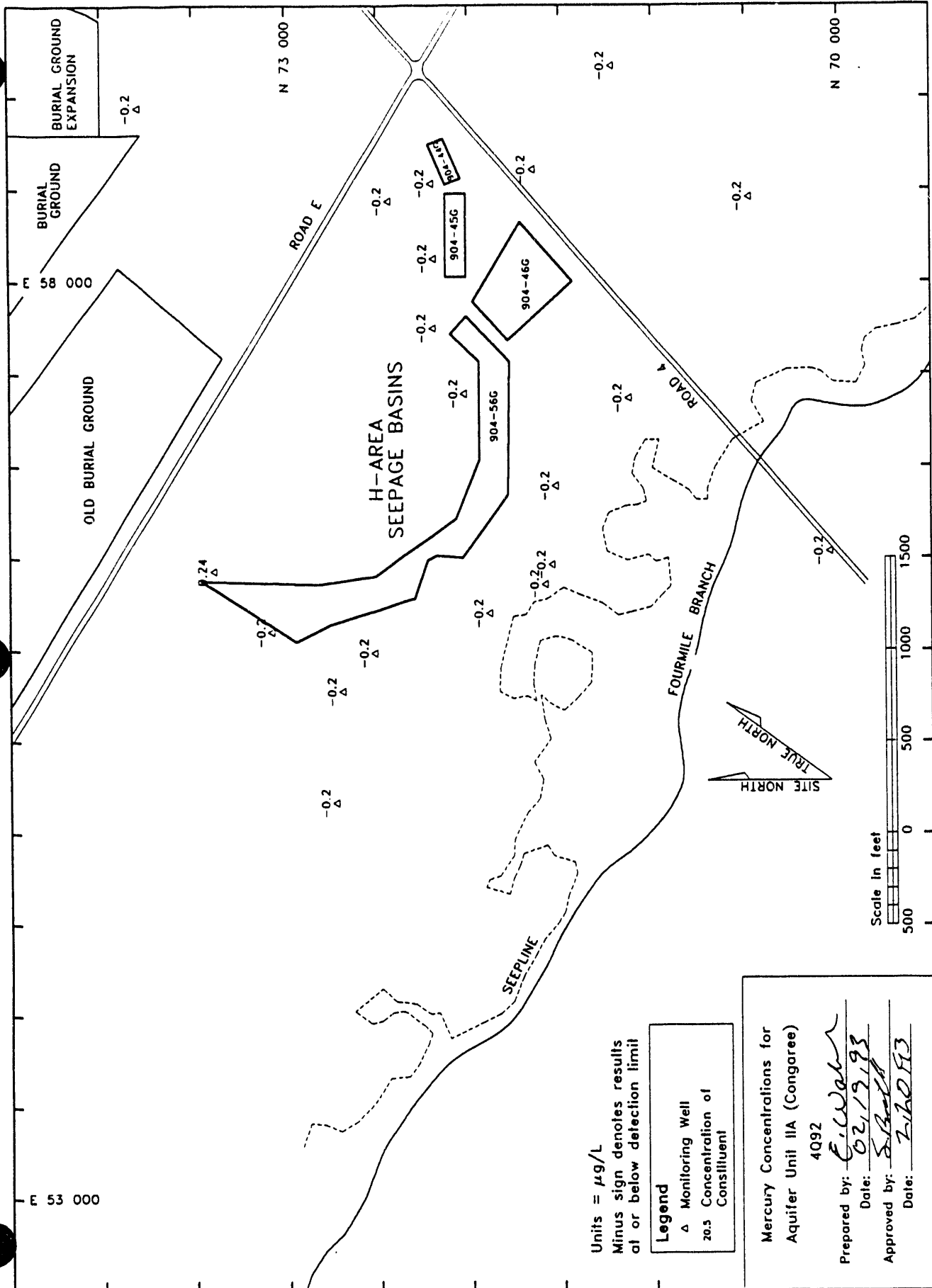


Figure 47. Mercury Concentrations in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, First Quarter 1992



Units =  $\mu\text{g/L}$   
 Minus sign denotes results at or below detection limit

**Legend**  
 Δ Monitoring Well  
 20.5 Concentration of Constituent

Mercury Concentrations for  
 Aquifer Unit IIA (Congaree)  
 4092  
 Prepared by: *C. W. Wain*  
 Date: *02/19/93*  
 Approved by: *S. H. H. H.*  
 Date: *2/20/93*

Figure 48. Mercury Concentrations in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992

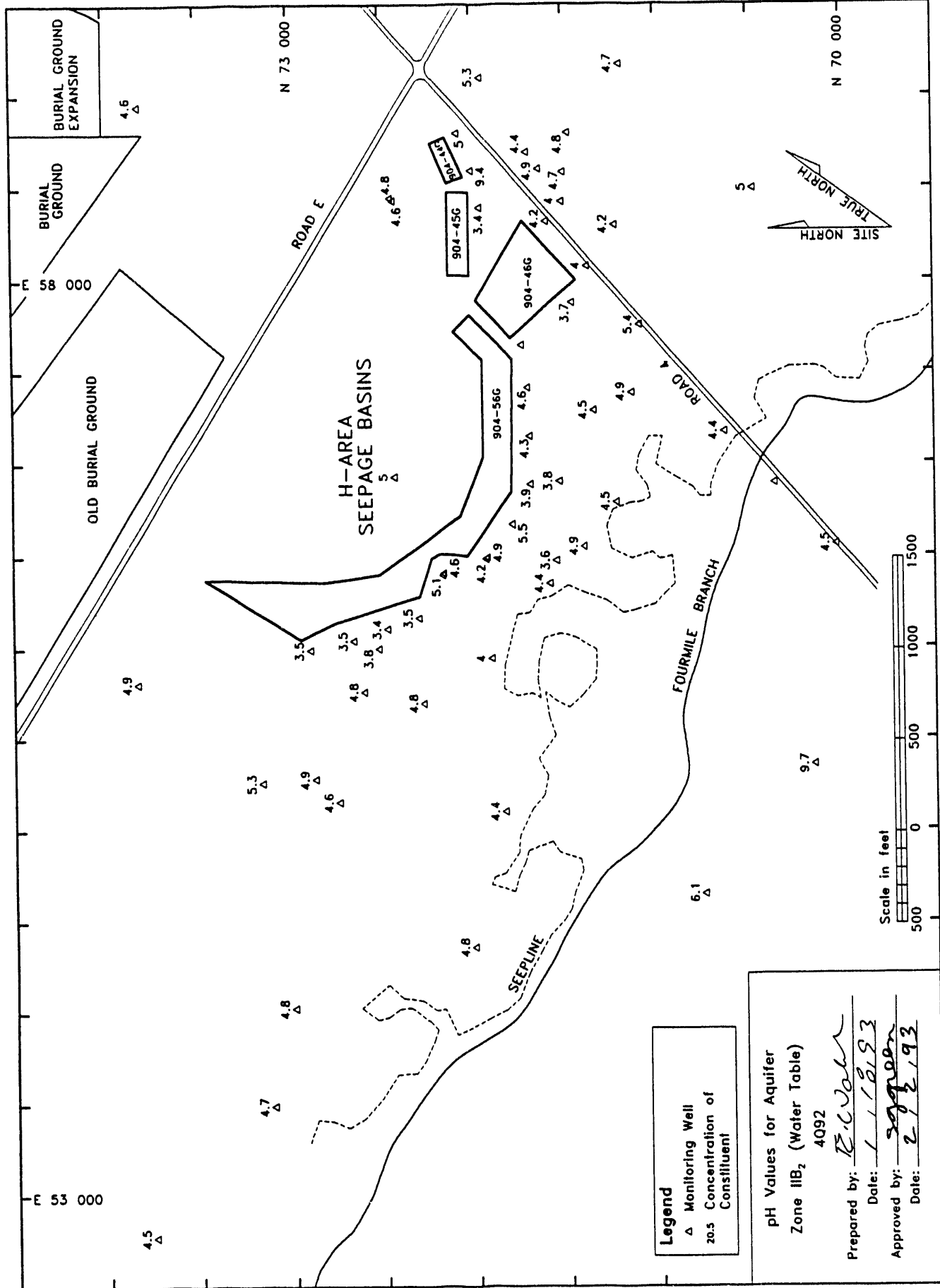
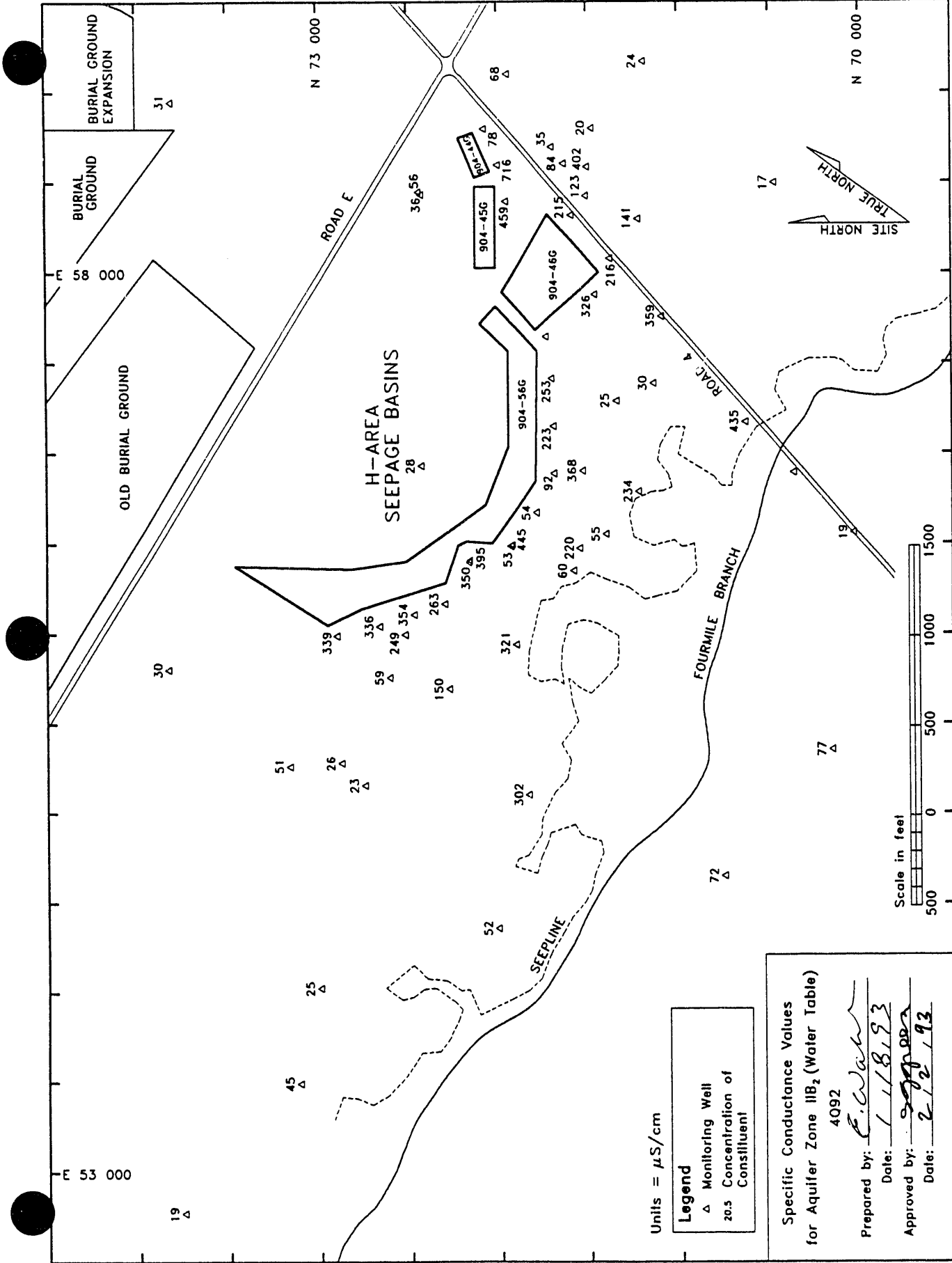


Figure 49. pH Levels in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992





H-Area Seepage Basins

C-51

Fourth Quarter 1992

Units =  $\mu\text{S}/\text{cm}$

**Legend**  
 Δ Monitoring Well  
 20.5 Concentration of Constituent

Specific Conductance Values  
 for Aquifer Zone IIB<sub>2</sub> (Water Table)  
 4092

Prepared by: E. W. Van  
 Date: 1/18/93  
 Approved by: [Signature]  
 Date: 2/2/93

Figure 50. Specific Conductance in Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins, Fourth Quarter 1992

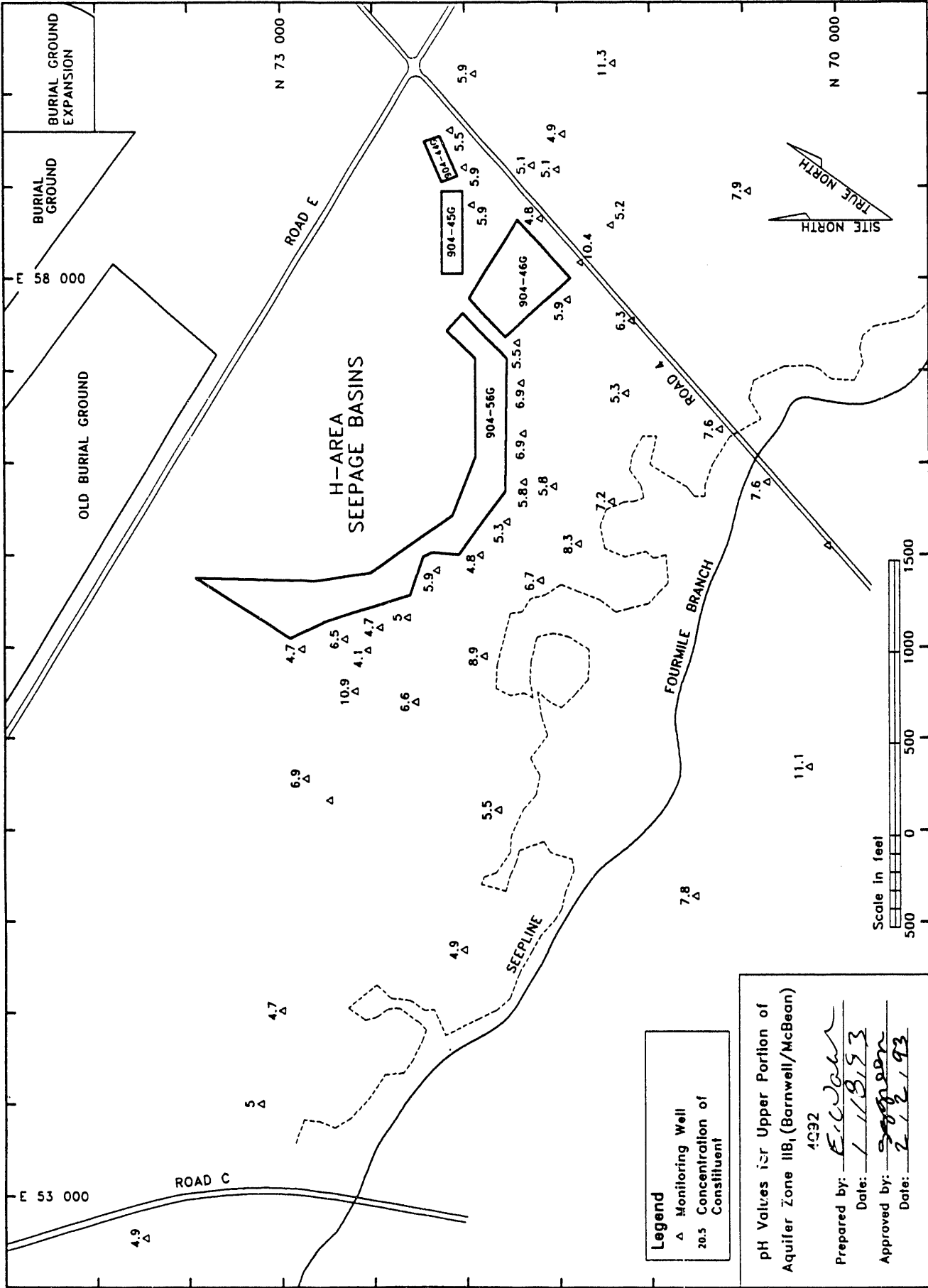
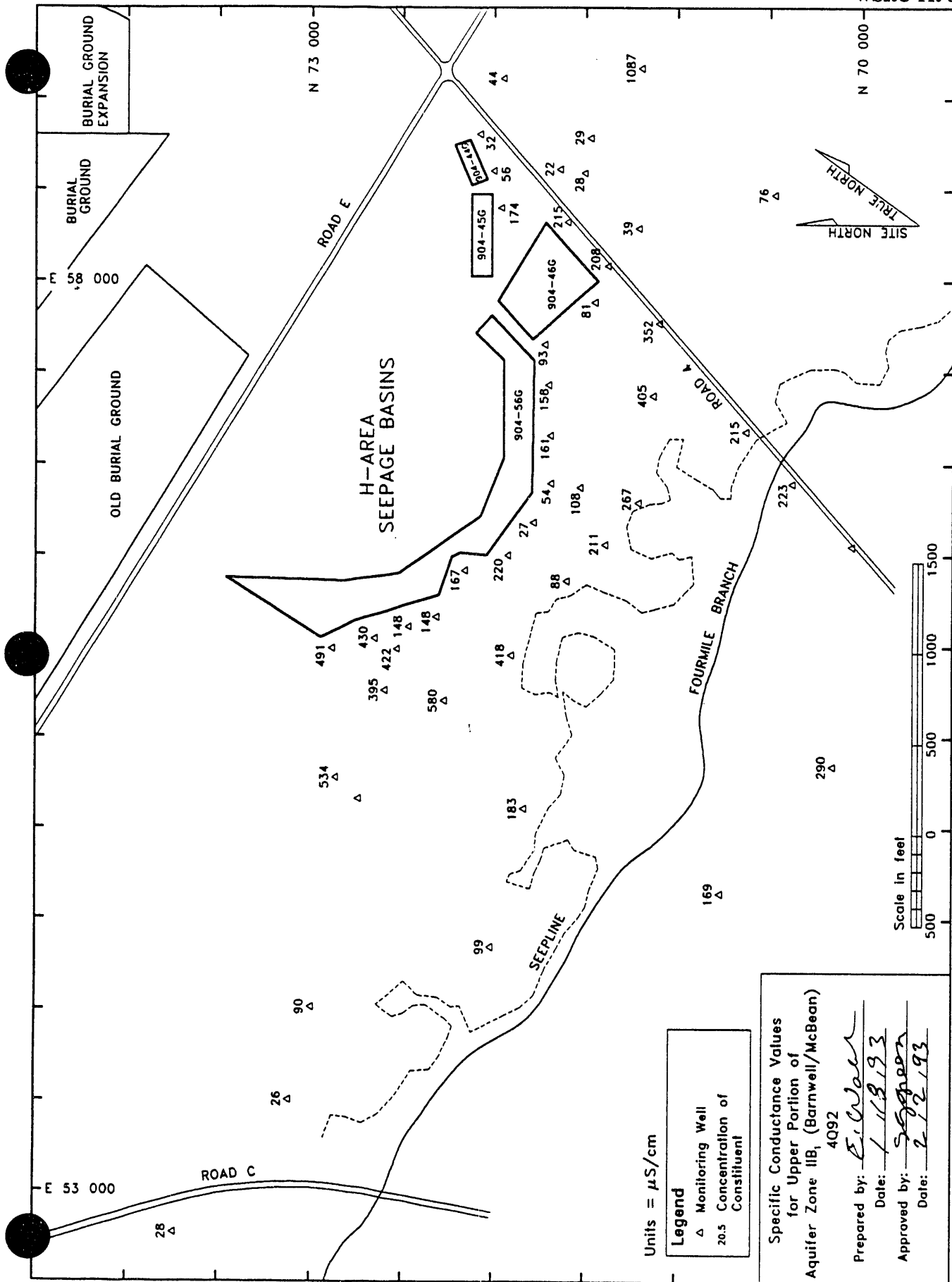


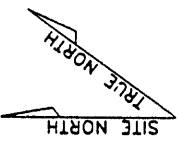
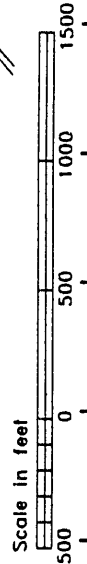
Figure 51. pH Levels in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992



Units =  $\mu\text{S}/\text{cm}$

**Legend**  
 Δ Monitoring Well  
 20.5 Concentration of Constituent

Specific Conductance Values for Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) 4092  
 Prepared by: *E. W. Wain*  
 Date: *1/13/93*  
 Approved by: *S. J. Green*  
 Date: *2/12/93*



**Figure 52. Specific Conductance in Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992**

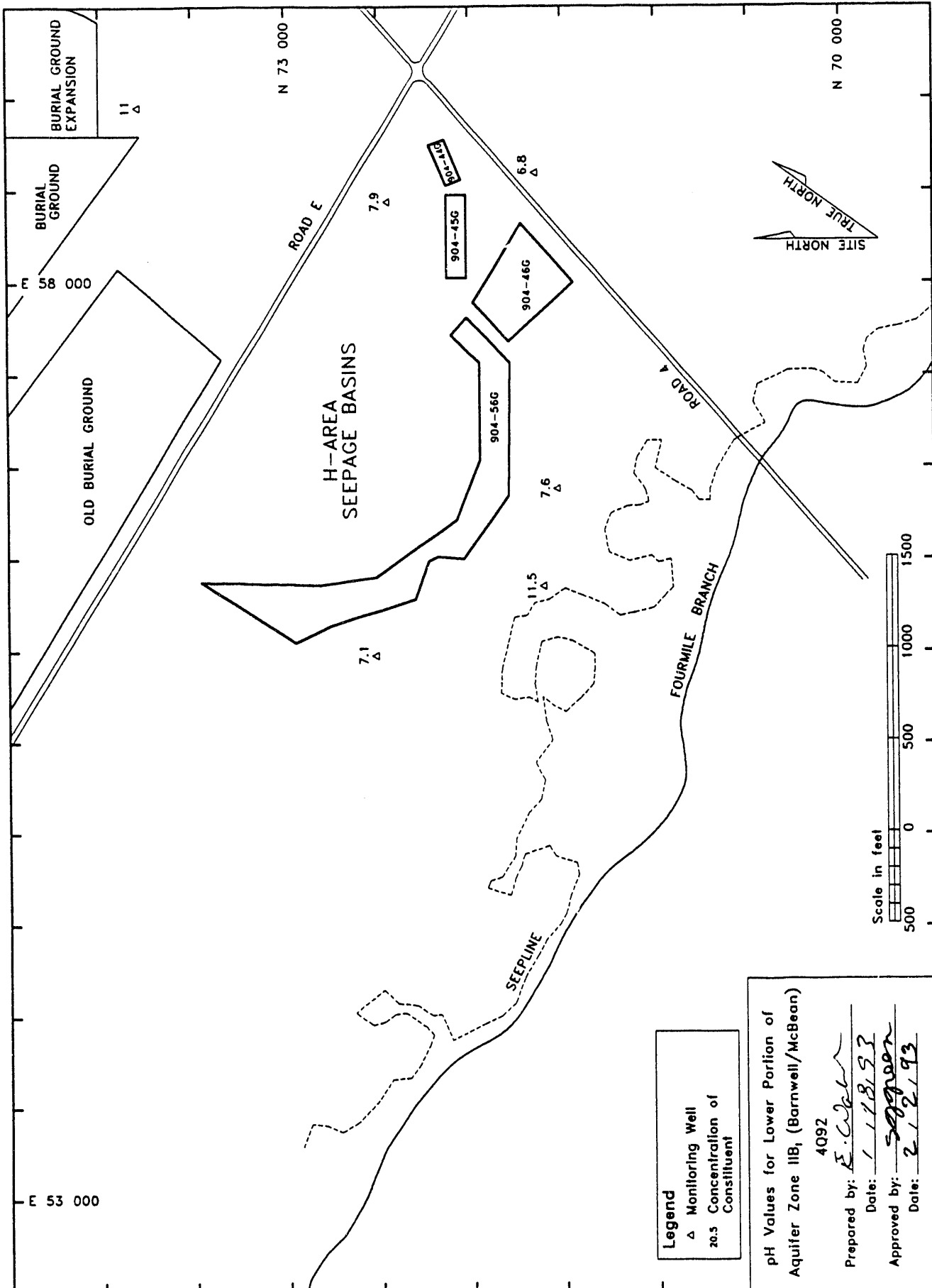
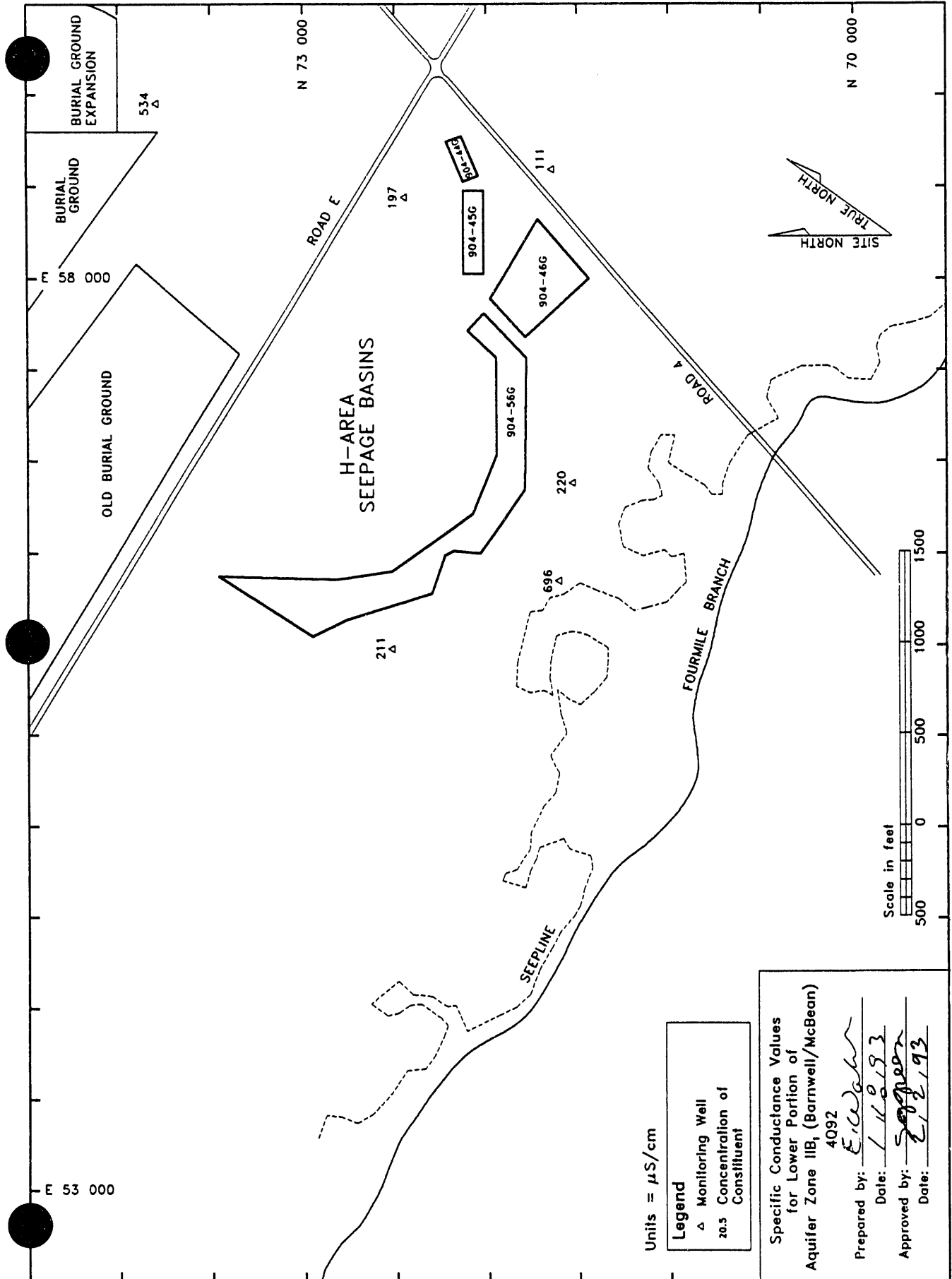


Figure 53. pH Levels in Lower Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992



Units = μS/cm

**Legend**  
 Δ Monitoring Well  
 20.5 Concentration of Constituent

Specific Conductance Values for Lower Portion of Aquifer Zone IIB, (Barnwell/McBean) 4092

Prepared by: *E. W. Johnson*  
 Date: *1/18/93*  
 Approved by: *[Signature]*  
 Date: *2/2/93*

Figure 54. Specific Conductance in Lower Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins, Fourth Quarter 1992

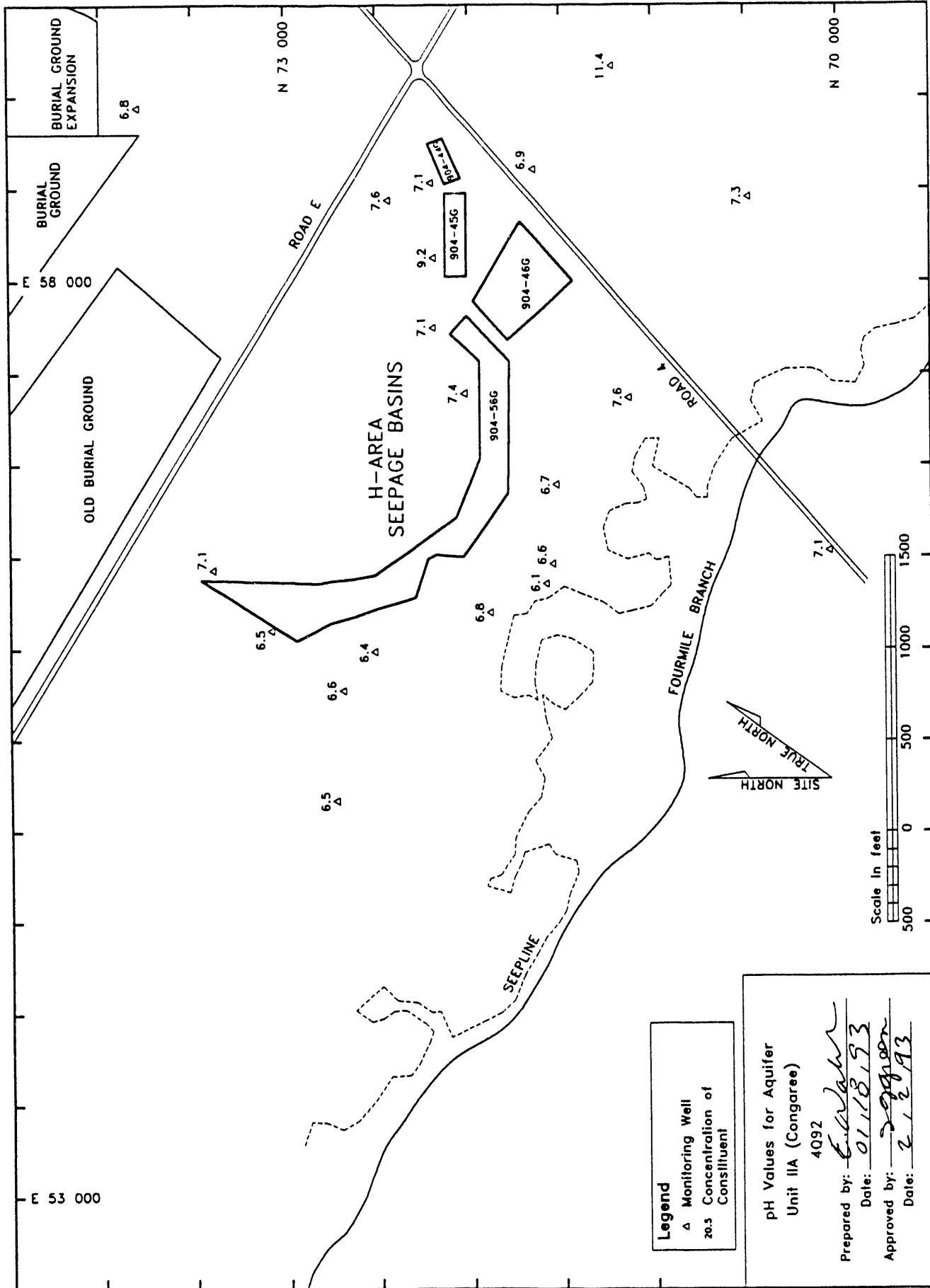


Figure 55. pH Levels in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992

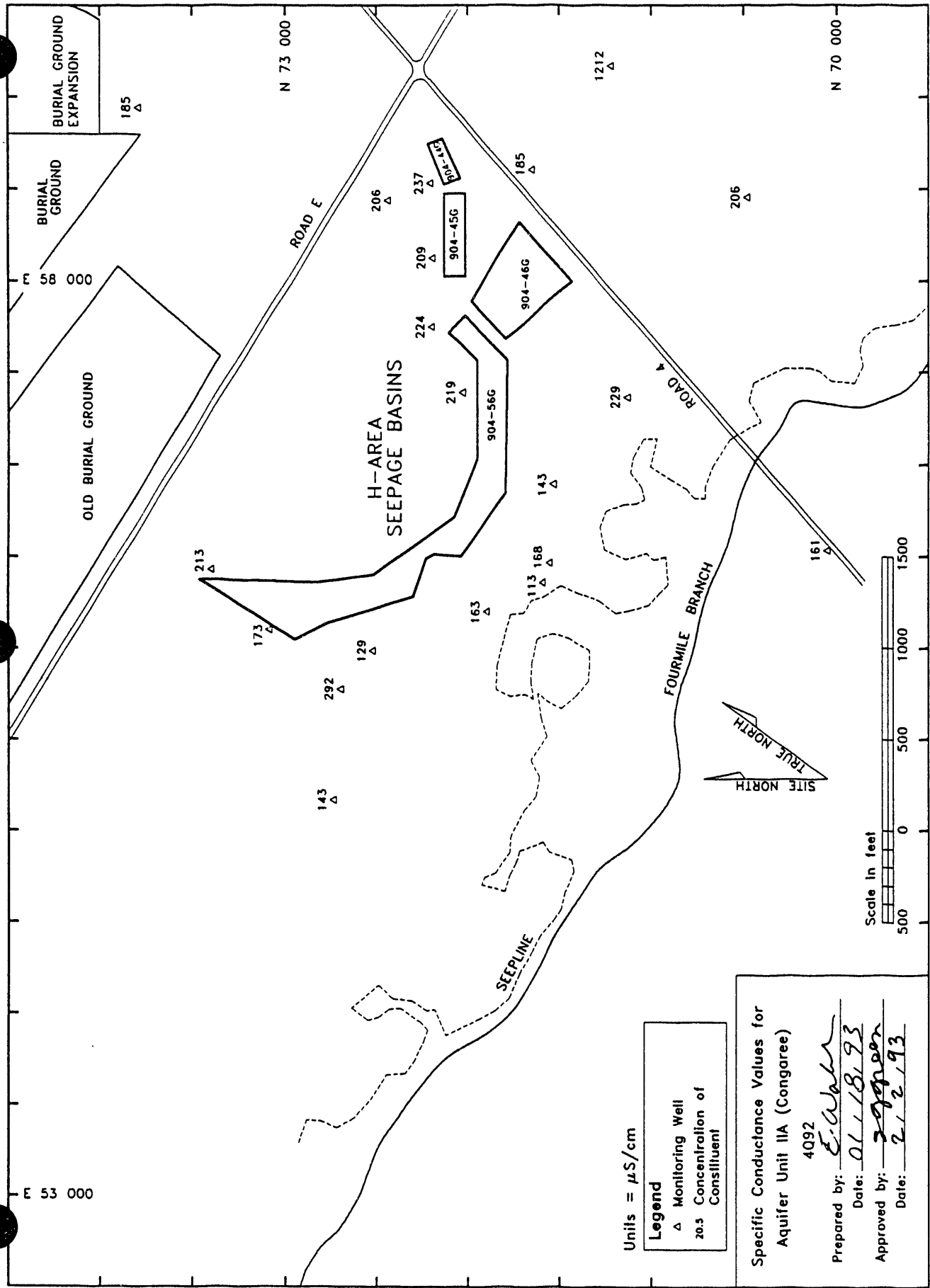


Figure 56. Specific Conductance in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Fourth Quarter 1992

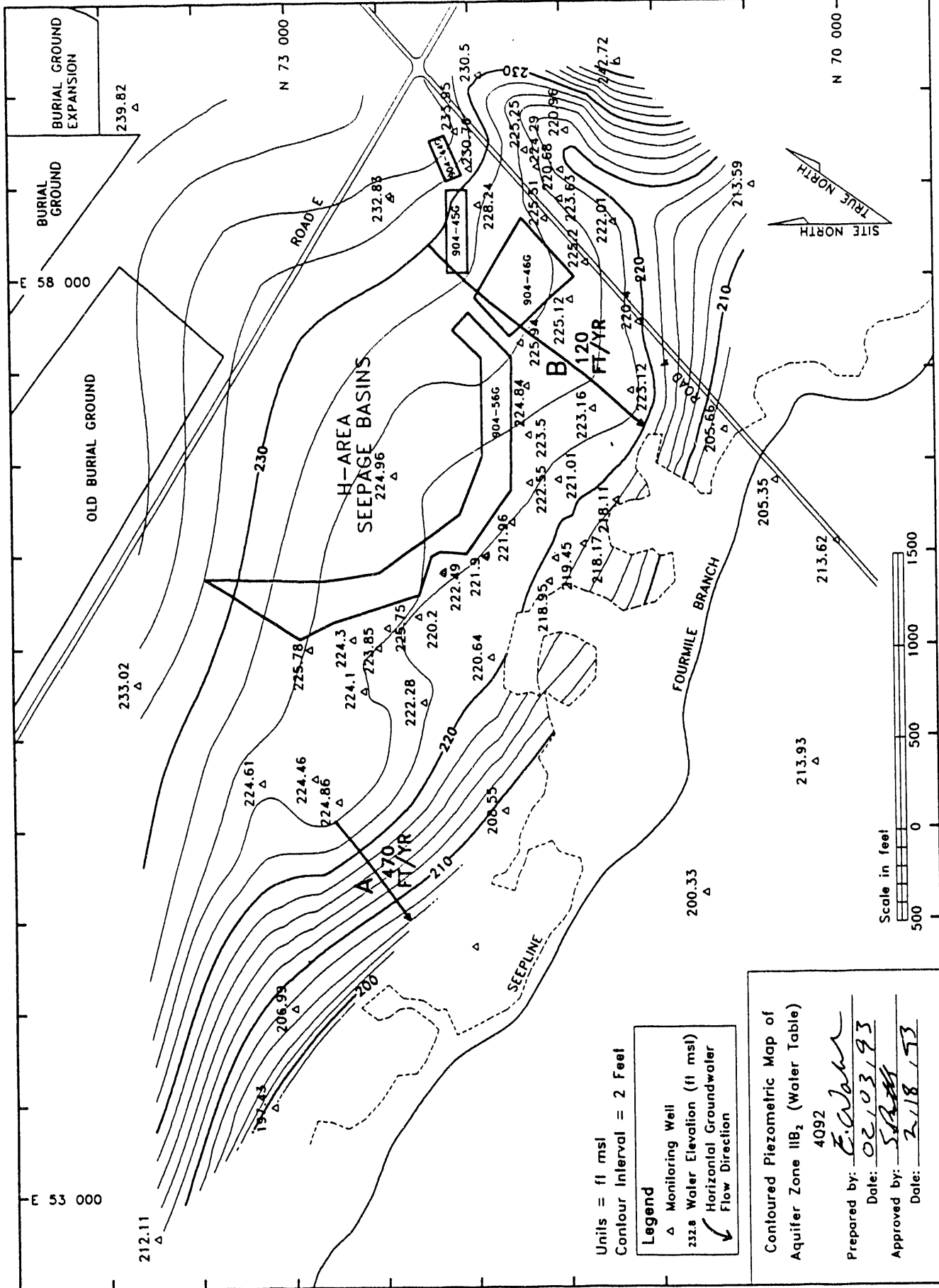
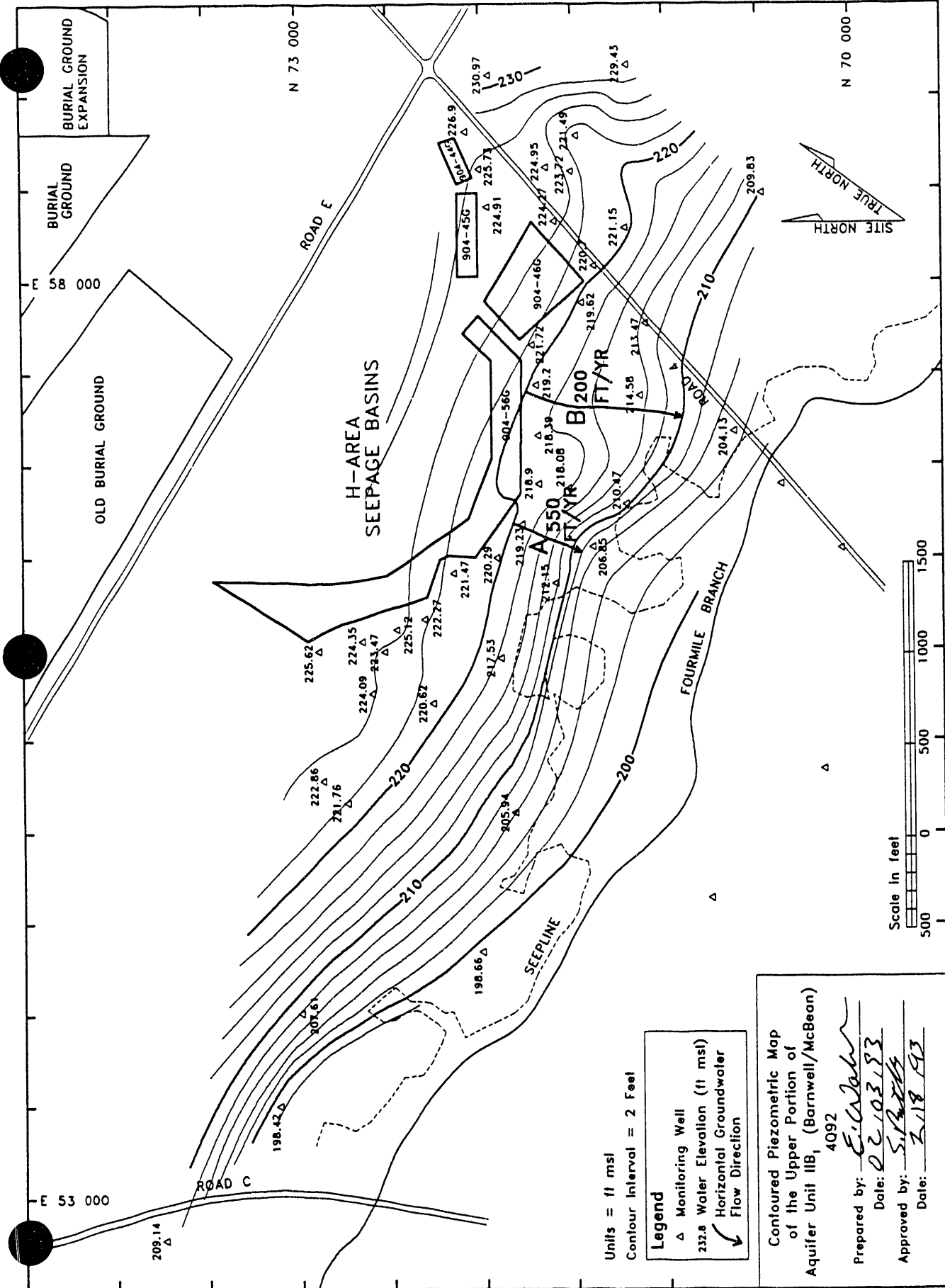


Figure 57. Piezometric Surface Map of Aquifer Zone IIB<sub>2</sub> (Water Table) at the H-Area Seepage Basins





H-Area Seepage Basins

C-59

Fourth Quarter 1992

Figure 58. Piezometric Surface Map of Upper Portion of Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the H-Area Seepage Basins

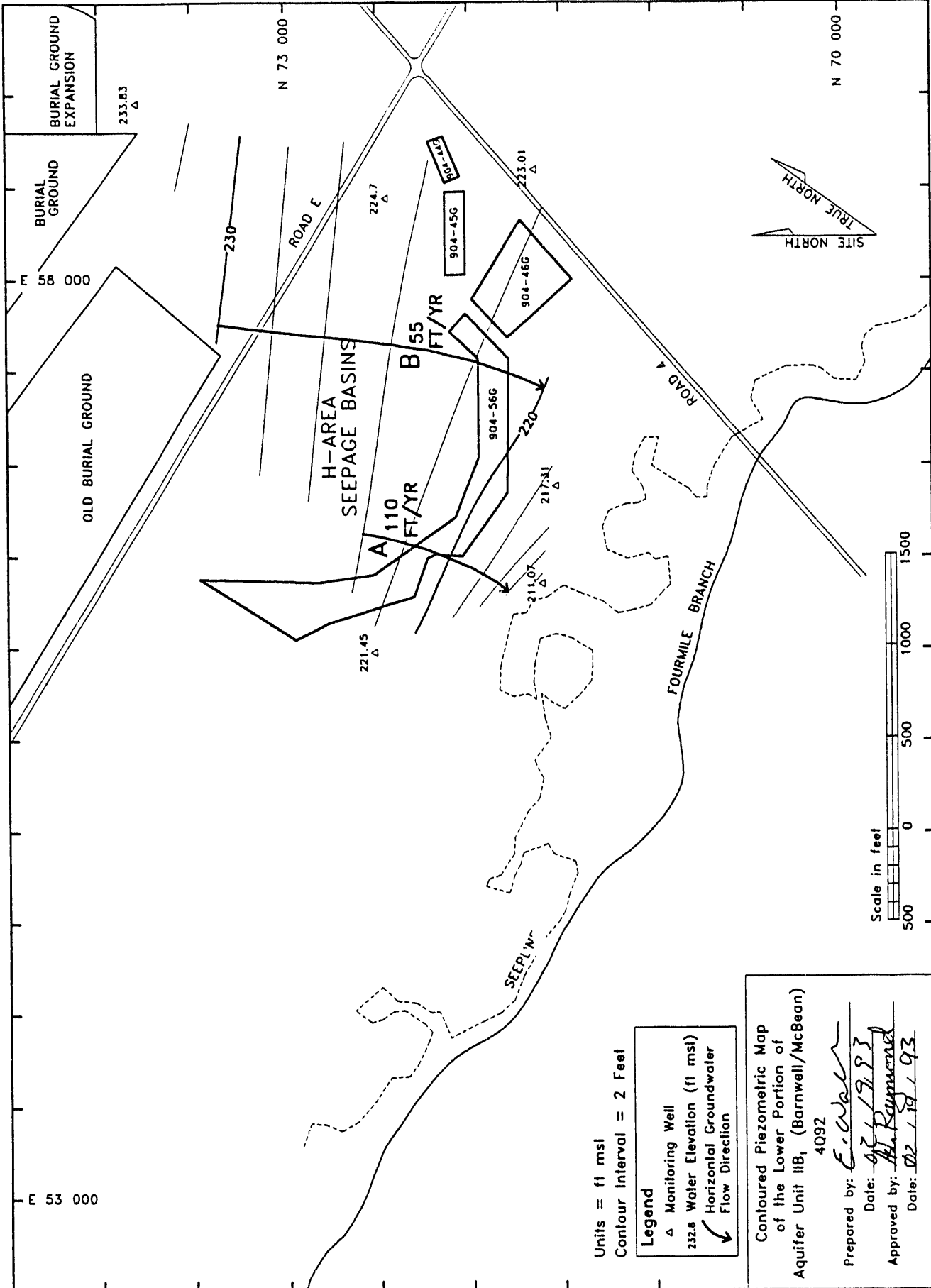


Figure 59. Piezometric Surface Map of Lower Portion of Aquifer Zone IIB, (Barnwell/McBean) at the H-Area Seepage Basins

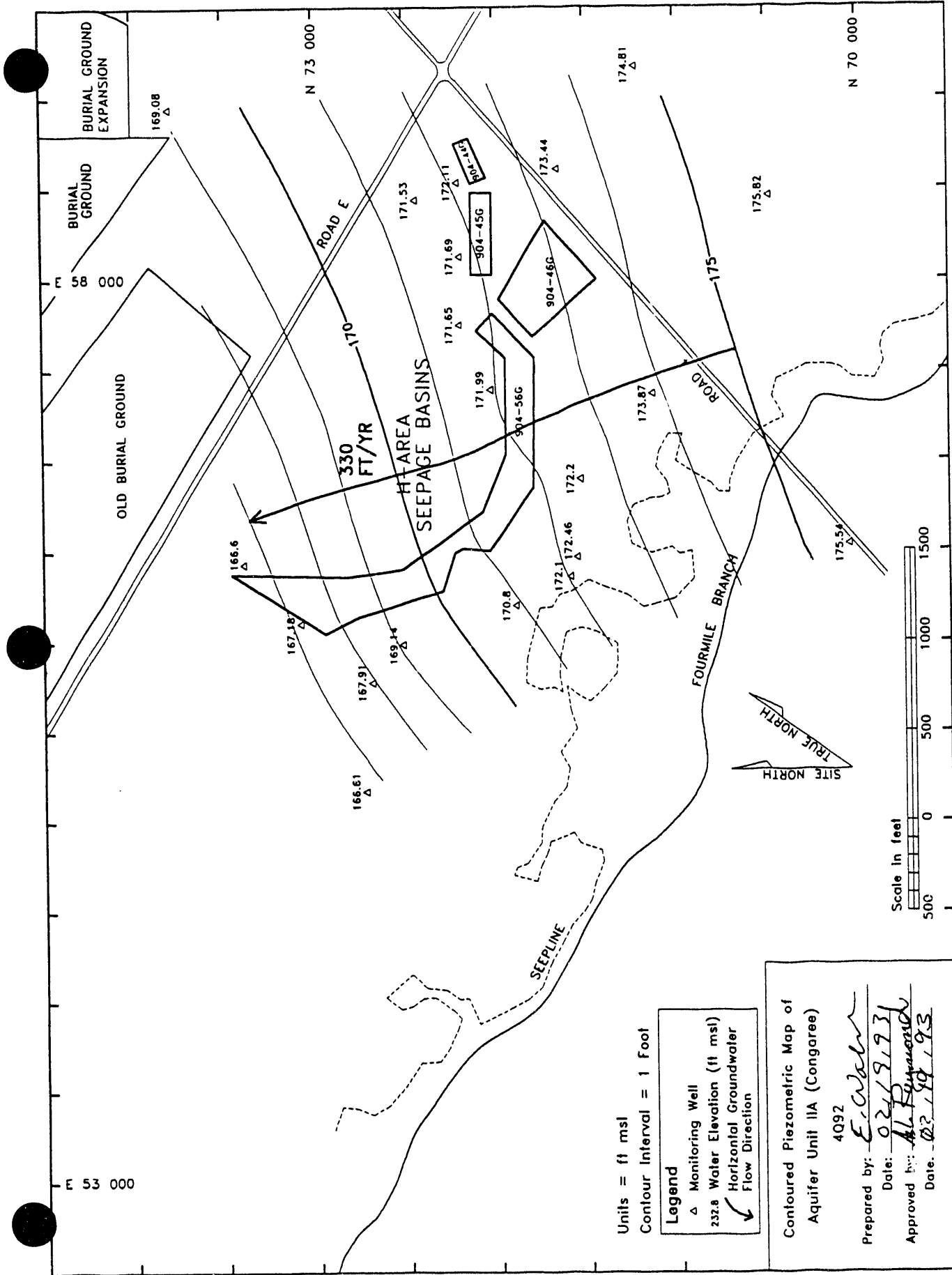


Figure 60. Piezometric Surface Map of Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins

## References

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

# **Appendix D – Groundwater Monitoring Results Tables**

## Key to Reading the Tables

The following abbreviations may appear in the tabular data:

B = sample collected from well using an open bucket bailer  
 BA = Barringer Laboratories, Inc.  
 CN = Clemson Technical Center, Inc.  
 CS = carbon steel  
 D = primary drinking water standard (PDWS)  
 E = exponential notation (e.g.,  $1.1E-09 = 1.1 \times 10^{-9} = 0.0000000011$ )  
 EM = Environmental Protection Department/Environmental Monitoring Section (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-hexachlorodibenzo-p-furan  
 Lindane = gamma-benzene hexachloride  
 mg/L = milligrams per liter  
 Mod = modifier  
 msl = mean sea level  
 MSU = million structures per liter  
 NTU = turbidity unit  
 P = sample collected from well using a bladder pump  
 PCB = polychlorinated biphenyl  
 1,2,3,7,8-PCDD = 1,2,3,7,8-pentachlorodibenzo-p-dioxin  
 1,2,3,7,8-PCDF = 1,2,3,7,8-pentachlorodibenzo-p-furan  
 pCi/L = picocuries per liter  
 pCi/mL = picocuries per milliliter  
 PDWS = primary drinking water standard  
 pH = pH unit  
 PVC = polyvinyl chloride  
 S = sample collected from well using a single-speed centrifugal downhole pump  
 Sp. conductance = specific conductance  
 SP = Spencer Testing Services, Inc.  
 TCDD = tetrachlorodibenzo-p-dioxin  
 TCDF = tetrachlorodibenzo-p-furan  
 TM = TMA/Eberline  
 TOC = top of casing  
 V = sample collected from well using a variable-speed pump  
 WA = Roy F. Weston, Inc.  
 $\mu\text{g/L}$  = micrograms per liter  
 $\mu\text{S/cm}$  = 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.

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

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.

## Data Qualification

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

<u>Result modifier</u>	<u>Definition</u>
(Blank)	Data are not qualified. Number should be interpreted exactly as reported.
A <sup>a</sup>	Value reported is the mean of two or more determinations.
J <sup>a</sup>	Value is estimated because quantitation in the sample or in associated quality control samples did not meet specifications.
L <sup>a</sup>	Value is off-scale high. The actual value is not known but is known to be greater than the value shown.
M <sup>a</sup>	Presence of the analyte is verified but not quantified.
R <sup>a</sup>	Result was rejected because performance requirements in the sample analysis or associated quality control analyses were not met.
T <sup>a</sup>	Analyte was not detected; if present, it was below the criteria for detection.
V <sup>a</sup>	Analyte was detected in the associated method blank.
1	Result may be an underestimation of the true value due to analytical bias.
2	Result may be an overestimation of the true value due to analytical bias.

<u>Result modifier</u>	<u>Definition</u>
3	The associated result may be of poor precision (high variability) due to analytical bias.
6	The associated result is from a reanalysis performed out of holding time due to problems with an earlier analysis.

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<sup>a</sup> These codes are based on the STORET codes from EPA.



**Table 1. Constituents Exceeding the Final Primary Drinking Water Standards**

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

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>
HSB 65	Tritium	pCi/mL	3.8E+01	3.3E+01	5.6E+01	3.8E+01	
HSB 65C	Tritium	pCi/mL	2.8E+01	2.7E+01	2.4E+01	2.2E+01	
HSB 67	Gross alpha	pCi/L	- <sup>a</sup>	2.3E+01	4.8E+01	4.6E+01	
	Mercury	µg/L	-	-	2.0	-	
	Nitrate-nitrite as nitrogen	µg/L	-	11,600	13,900	11,500	
	Nonvolatile beta	pCi/L	9.1E+02	2.1E+03	1.7E+03	1.3E+03	
	Total alpha-emitting radium <sup>b</sup>	pCi/L	2.2E+01	4.7E+01	2.5E+01	3.5E+01	
	Tritium	pCi/mL	4.1E+03	4.3E+03	3.8E+03	1.7E+03	
HSB 68	Gross alpha	pCi/L	3.9E+01	6.9E+01	3.6E+01	3.4E+01	
	Mercury	µg/L	2.6	2.6	2.5	2.3	
	Nitrate-nitrite as nitrogen	µg/L	39,200	40,100	39,000	38,500	
	Nonvolatile beta	pCi/L	7.0E+03	9.4E+03	5.8E+03	6.3E+03	
	Total alpha-emitting radium	pCi/L	1.1E+02	1.3E+02	6.6E+01	8.9E+01	
	Tritium	pCi/mL	1.1E+04	9.4E+03	6.0E+03	5.1E+03	
HSB 69	Gross alpha	pCi/L	3.6E+01	2.4E+01	4.3E+01	1.1E+02	
	Nitrate-nitrite as nitrogen	µg/L	23,200	21,000	21,200	21,600	
	Nonvolatile beta	pCi/L	3.9+03	5.0+03	4.1E+03	3.9E+03	
	Total alpha-emitting radium	pCi/L	3.8E+01	9.7E+01	4.5E+01	8.8E+01	
	Tritium	pCi/mL	1.5E+03	1.1E+03	7.3E+02	6.1E+02	
HSB 70	Total alpha-emitting radium	pCi/L	-	7.0E+00	-	-	
	Tritium	pCi/mL	1.7E+02	7.6E+01	4.6E+01	5.3E+01	
HSB 71	Tritium	pCi/mL	1.3E+02	1.1E+02	5.9E+01	1.1E+02	
HSB 83D	Tritium	pCi/mL	1.0E+03	1.0E+03	8.2E+02	7.2E+02	
HSB 84D	Gross alpha	pCi/L	1.5E+01	-	-	-	
	Nitrate-nitrite as nitrogen	µg/L	11,800	10,200	-	-	
	Nonvolatile beta	pCi/L	1.8E+03	1.6E+03	-	3.3E+02	
	Total alpha-emitting radium	pCi/L	2.0E+01	2.9E+01	1.7E+01	1.1E+01	
	Tritium	pCi/mL	1.3E+03	9.1E+02	7.0E+02	4.6E+02	
HSB 86D	Gross alpha	pCi/L	4.4E+01	6.9E+01	-	2.3E+01	
	Nitrate as nitrogen	µg/L	37,800	NA <sup>c</sup>	NA	NA	
	Nitrate-nitrite as nitrogen	µg/L	NA	34,200	35,000	53,200	
	Nonvolatile beta	pCi/L	2.3E+03	2.1E+03	1.3E+03	7.7E+02	
	Total alpha-emitting radium	pCi/L	7.2E+01	3.5E+01	2.7E+01	4.7E+01	
	Tritium	pCi/mL	1.3E+04	8.3E+03	5.9E+03	3.1E+03	
HSB100D	Tritium	pCi/mL	5.0E+02	5.9E+02	8.2E+02	8.4E+02	
HSB101D	Arsenic	µg/L	81	83	-	102	
	Mercury	µg/L	4.2	2.8	2.6	5.9	
	Nitrate-nitrite as nitrogen	µg/L	43,400	72,000	38,500	42,500	
	Nonvolatile beta	pCi/L	9.0E+01	-	-	-	
	Tritium	pCi/mL	1.0E+04	1.1E+04	8.8E+03	1.2E+04	

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

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
HSB102D	Gross alpha	pCi/L	8.0E+01	2.2E+02	-	1.7E+02	
	Mercury	µg/L	-	3.3	3.5	3.6	
	Nitrate-nitrite as nitrogen	µg/L	40,000	42,000	46,000	51,000	
	Nonvolatile beta	pCi/L	4.2E+03	7.5E+03	7.0E+03	3.0E+03	
	Total alpha-emitting radium	pCi/L	7.3E+01	7.2E+01	-	4.3E+01	
	Tritium	pCi/mL	1.0E+04	1.5E+04	1.1E+04	9.9E+03	
HSB103D	Arsenic	µg/L	-	-	75	-	
	Gross alpha	pCi/L	-	2.1E+01	1.5E+01	2.5E+01	
	Mercury	µg/L	2.3	-	-	2.8	
	Nitrate-nitrite as nitrogen	µg/L	20,000	20,000	21,000	20,500	
	Nonvolatile beta	pCi/L	4.3E+02	4.3E+02	4.7E+02	8.1E+02	
	Total alpha-emitting radium	pCi/L	1.9E+01	1.2E+01	1.2E+01	3.0E+01	
Tritium	pCi/mL	5.2E+03	4.3E+03	3.4E+03	2.6E+03		
HSB104D	Gross alpha	pCi/L	2.3E+01	2.7E+01	3.5E+01	3.5E+01	
	Mercury	µg/L	3.6	2.3	-	2.8	
	Nitrate-nitrite as nitrogen	µg/L	22,800	23,000	17,600	21,500	
	Nonvolatile beta	pCi/L	2.9E+03	2.5E+03	1.7E+03	2.9E+03	
	Total alpha-emitting radium	pCi/L	3.8E+01	1.8E+01	1.1E+01	4.3E+01	
	Tritium	pCi/mL	2.8E+03	2.6E+03	6.9E+02	2.5E+03	
HSB105D	Gross alpha	pCi/L	2.8E+01	5.4E+01	5.3E+01	1.1E+02	
	Mercury	µg/L	2.8	4.6	5.4	3.8	
	Nitrate-nitrite as nitrogen	µg/L	40,000	58,000	36,500	41,000	
	Nonvolatile beta	pCi/L	4.6E+03	4.9E+03	3.2E+03	3.0E+03	
	Total alpha-emitting radium	pCi/L	5.4E+01	5.7E+01	2.6E+01	3.8E+01	
	Tritium	pCi/mL	5.1E+03	7.7E+03	5.5E+03	5.0E+03	
HSB106D	Nitrate-nitrite as nitrogen	µg/L	11,400	24,000	11,500	NA	
	Nonvolatile beta	pCi/L	6.6E+02	6.8E+02	4.9E+02	NA	
	Total alpha-emitting radium	pCi/L	9.7E+00	8.4E+00	7.9E+00	NA	
	Tritium	pCi/mL	1.2E+03	1.1E+03	1.1E+03	NA	
HSB107D	Gross alpha	pCi/L	-	1.7E+01	3.1E+01	5.1E+01	
	Mercury	µg/L	-	3.5	2.1	-	
	Nitrate-nitrite as nitrogen	µg/L	32,600	28,000	26,000	24,500	
	Nonvolatile beta	pCi/L	2.0E+03	3.2E+03	3.2E+03	2.2E+03	
	Total alpha-emitting radium	pCi/L	3.4E+01	8.1E+01	1.8E+01	2.8E+01	
	Tritium	pCi/mL	6.5E+03	4.6E+03	3.3E+03	3.5E+03	
HSB108D	Gross alpha	pCi/L	3.1E+01	3.3E+01	4.9E+01	2.8E+01	
	Mercury	µg/L	4.1	2.8	5.0	4.0	
	Nitrate-nitrite as nitrogen	µg/L	29,400	29,000	26,500	23,000	
	Nonvolatile beta	pCi/L	6.8E+03	6.3E+03	5.9E+03	4.9E+03	
	Total alpha-emitting radium	pCi/L	8.1E+01	1.4E+02	3.6E+01	6.9E+01	
	Tritium	pCi/mL	6.0E+03	4.9E+03	2.6E+03	2.4E+03	
HSB109D	Nonvolatile beta	pCi/L	1.1E+03	1.5E+03	1.4E+03	1.3E+03	
	Total alpha-emitting radium	pCi/L	1.6E+01	1.7E+01	7.8E+00	2.6E+01	
	Tritium	pCi/mL	5.3E+02	3.4E+02	3.2E+02	3.4E+02	
HSB110D	Nonvolatile beta	pCi/L	2.4E+02	1.1E+02	6.0E+01	8.1E+01	
	Total alpha-emitting radium	pCi/L	5.0E+00	-	-	-	
	Tritium	pCi/mL	1.2E+02	6.4E+01	2.3E+01	2.7E+01	

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

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
HSB111D	Nitrate-nitrite as nitrogen	µg/L	41,600	64,000	58,000	57,500	
	Nonvolatile beta	pCi/L	9.9E+01	7.2E+01	6.6E+01	7.8E+01	
	Total alpha-emitting radium	pCi/L	-	7.5E+00	6.5E+00	6.6E+00	
	Tritium	pCi/mL	1.4E+04	1.4E+04	1.2E+04	1.2E+04	
HSB111E	Gross alpha	pCi/L	3.6E+01	-	-	-	
	Nonvolatile beta	pCi/L	1.1E+03	7.6E+02	1.2E+03	2.7E+02	
	Total alpha-emitting radium	pCi/L	1.5E+01	9.1E+00	7.9E+00	9.0E+00	
	Tritium	pCi/mL	7.5E+02	3.3E+02	2.4E+03	2.8E+03	
HSB112D	Nitrate-nitrite as nitrogen	µg/L	48,800	53,000	48,000	47,200	
	Nonvolatile beta	pCi/L	7.5E+01	1.1E+02	6.2E+01	8.6E+01	
	Total alpha-emitting radium	pCi/L	-	8.6E+00	6.4E+00	-	
	Tritium	pCi/mL	1.8E+04	1.8E+04	1.5E+04	1.5E+04	
HSB112E	Gross alpha	pCi/L	-	-	-	1.6E+01	
	Nitrate as nitrogen	µg/L	42,400	NA	NA	NA	
	Nitrate-nitrite as nitrogen	µg/L	NA	44,000	42,000	41,500	
	Nonvolatile beta	pCi/L	3.1E+02	3.2E+02	3.1E+02	2.5E+02	
	Total alpha-emitting radium	pCi/L	1.2E+01	9.4E+00	2.2E+01	6.6E+00	
	Tritium	pCi/mL	1.2E+04	1.0E+04	9.7E+03	8.8E+03	
HSB113D	Gross alpha	pCi/L	3.6E+01	9.7E+01	6.4E+01	1.1E+02	
	Nitrate as nitrogen	µg/L	42,000	NA	NA	NA	
	Nitrate-nitrite as nitrogen	µg/L	NA	37,900	42,500	25,200	
	Nonvolatile beta	pCi/L	1.9E+03	2.8E+03	2.3E+03	1.8E+03	
	Total alpha-emitting radium	pCi/L	5.7E+01	4.4E+01	3.3E+01	3.6E+01	
	Tritium	pCi/mL	1.1E+04	1.0E+04	9.6E+03	3.1E+03	
HSB114D	Gross alpha	pCi/L	3.1E+01	5.1E+01	4.1E+01	1.1E+02	
	Mercury	µg/L	-	-	2.6	-	
	Nitrate as nitrogen	µg/L	26,600	NA	NA	NA	
	Nitrate-nitrite as nitrogen	µg/L	NA	24,800	25,000	34,000	
	Nonvolatile beta	pCi/L	3.0E+03	3.4E+03	2.7E+03	2.7E+03	
	Total alpha-emitting radium	pCi/L	6.8E+01	4.2E+01	2.8E+01	5.6E+01	
	Tritium	pCi/mL	3.7E+03	3.5E+03	3.0E+03	6.0E+03	
HSB115D	Gross alpha	pCi/L	2.1E+01	3.3E+01	2.5E+01	7.7E+01	
	Lead	µg/L	54	71	60	66	
	Mercury	µg/L	-	-	3.6	-	
	Nitrate as nitrogen	µg/L	31,600	NA	NA	NA	
	Nitrate-nitrite as nitrogen	µg/L	NA	36,000	36,000	31,600	
	Nonvolatile beta	pCi/L	1.4E+03	2.4E+03	2.6E+03	3.0E+03	
	Total alpha-emitting radium	pCi/L	3.9E+01	3.8E+01	2.8E+01	6.1E+01	
	Tritium	pCi/mL	9.0E+03	8.6E+03	7.0E+03	7.6E+03	
HSB116D	Gross alpha	pCi/L	4.4E+01	7.3E+01	5.2E+01	1.3E+02	
	Nitrate-nitrite as nitrogen	µg/L	41,200	40,800	44,000	35,200	
	Nonvolatile beta	pCi/L	1.0E+04	1.3E+04	1.1E+04	7.3E+03	
	Total alpha-emitting radium	pCi/L	1.2E+02	1.7E+02	5.8E+01	8.9E+01	
	Tritium	pCi/mL	1.1E+04	8.1E+03	6.3E+03	2.7E+03	
HSB117D	Tritium	pCi/mL	2.7E+02	1.5E+02	1.2E+02	1.1E+02	
HSB125D	Mercury	µg/L	-	-	2.7	4.1	
	Nitrate-nitrite as nitrogen	µg/L	36,600	32,000	34,000	48,500	
	Nonvolatile beta	pCi/L	-	5.1E+01	-	-	
	Tritium	pCi/mL	5.9E+03	5.1E+03	3.8E+03	4.7E+03	

Aquifer Zone II<sub>B</sub> (Water Table)

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
HSB126D	Mercury	µg/L	4.6	6.8	6.0	7.9	
	Nitrate-nitrite as nitrogen	µg/L	53,600	59,000	54,800	51,500	
	Tritium	pCi/mL	5.5E+03	5.4E+03	4.8E+03	4.8E+03	
HSB127D	Mercury	µg/L	2.6	3.4	3.1	4.3	
	Nitrate-nitrite as nitrogen	µg/L	35,600	26,000	25,500	23,400	
	Nonvolatile beta	pCi/L	7.0E+01	6.1E+01	5.0E+01	6.7E+01	
	Tritium	pCi/mL	1.1E+04	8.0E+03	7.4E+03	7.5E+03	
HSB129D	Nitrate-nitrite as nitrogen	µg/L	46,500	40,000	36,000	33,000	
	Nonvolatile beta	pCi/L	1.2E+02	5.2E+01	7.1E+01	5.6E+01	
	Total alpha-emitting radium	pCi/L	9.0E+00	-	-	-	
	Tritium	pCi/mL	7.2E+03	6.9E+03	6.3E+03	5.1E+03	
HSB133D	Tritium	pCi/mL	3.5E+01	3.3E+01	2.9E+01	3.0E+01	
HSB134D	Nitrate-nitrite as nitrogen	µg/L	10,200	15,800	12,000	13,800	
	Nonvolatile beta	pCi/L	2.6E+02	3.2E+02	4.6E+02	3.4E+02	
	Total alpha-emitting radium	pCi/L	-	1.1E+01	-	8.4E+00	
	Tritium	pCi/mL	1.5E+03	1.6E+03	8.6E+02	9.5E+02	
HSB135D	Nonvolatile beta	pCi/L	-	6.8E+01	-	8.1E+01	
	Tritium	pCi/mL	2.8E+02	3.4E+02	1.5E+02	2.7E+02	
HSB136D	Gross alpha	pCi/L	5.0E+01	9.7E+01	6.0E+01	1.2E+02	
	Nitrate-nitrite as nitrogen	µg/L	29,000	28,400	27,400	28,600	
	Nonvolatile beta	pCi/L	2.1E+03	2.8E+03	2.0E+03	2.7E+03	
	Total alpha-emitting radium	pCi/L	7.4E+01	5.5E+01	4.4E+01	6.5E+01	
	Tritium	pCi/mL	8.8E+03	6.2E+03	4.5E+03	4.7E+03	
HSB137D	Nitrate-nitrite as nitrogen	µg/L	-	10,000	18,200	14,000	
	Nonvolatile beta	pCi/L	1.1E+02	8.4E+01	5.8E+01	6.4E+01	
	Tritium	pCi/mL	4.6E+03	3.7E+03	3.0E+03	3.4E+03	
HSB138D	Tritium	pCi/mL	2.0E+03	9.4E+02	4.8E+02	5.6E+02	
HSB141D	Tritium	pCi/mL	2.3E+01	2.1E+01	-	-	
HSB142D	Tritium	pCi/mL	4.3E+02	6.7E+02	4.2E+02	3.9E+02	
HSB143D	Tetrachloroethylene	µg/L	-	8.7	-	-	
	Total alpha-emitting radium	pCi/L	-	-	1.7E+01	-	
HSB145D	Gross alpha	pCi/L	2.1E+01	5.7E+01	5.6E+01	3.3E+01	
	Mercury	µg/L	-	-	-	2.6	
	Nitrate-nitrite as nitrogen	µg/L	36,800	39,000	39,200	36,800	
	Nonvolatile beta	pCi/L	3.8E+02	4.6E+02	4.4E+02	3.4E+02	
	Total alpha-emitting radium	pCi/L	1.7E+01	3.3E+01	1.6E+01	2.4E+01	
	Tritium	pCi/mL	3.7E+03	4.8E+03	5.4E+03	6.4E+03	
HSB146D	Tritium	pCi/mL	-	2.0E+01	2.3E+01	2.0E+01	
HSB147D	Tritium	pCi/mL	2.4E+01	2.2E+01	2.1E+01	-	
HSB149D	Tritium	pCi/mL	5.0E+01	3.1E+01	2.8E+01	2.7E+01	

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

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>
HSB150D	Tritium	pCi/mL	4.1E+01	3.3E+01	-	3.7E+01	
HSB151D	Tritium	pCi/mL	6.9E+02	4.8E+02	2.6E+02	2.6E+02	
HSB152D	Lead	µg/L	-	-	-	71	
	Tritium	pCi/mL	5.6E+02	4.7E+02	2.0E+02	3.9E+02	

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

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>
HSB 68C	Tritium	pCi/mL	1.8E+03	2.3E+03	2.4E+03	2.6E+03	
HSB 70C	Nitrate as nitrogen	µg/L	32,600	NA	NA	NA	
	Nitrate-nitrite as nitrogen	µg/L	NA	27,000	27,500	30,500	
	Nonvolatile beta	pCi/L	1.2E+02	7.6E+01	1.0E+02	9.1E+01	
	Tritium	pCi/mL	4.1E+03	3.1E+03	3.1E+03	3.4E+03	
HSB 71C	Gross alpha	pCi/L	-	-	2.6E+01	1.8E+01	
	Nitrate-nitrite as nitrogen	µg/L	50,500	51,000	52,000	50,500	
	Nonvolatile beta	pCi/L	1.6E+02	1.9E+02	1.4E+02	1.2E+02	
	Total alpha-emitting radium	pCi/L	1.2E+01	5.9E+00	6.8E+00	8.7E+00	
	Tritium	pCi/mL	8.6E+03	8.3E+03	7.8E+03	7.6E+03	
HSB 84C	Tritium	pCi/mL	3.9E+02	4.0E+02	3.8E+02	3.9E+02	
HSB 86C	Cadmium	µg/L	9.8	8.9	8.3	-	
	Gross alpha	pCi/L	2.0E+01	5.8E+01	-	3.9E+01	
	Nitrate as nitrogen	µg/L	40,400	NA	NA	NA	
	Nitrate-nitrite as nitrogen	µg/L	NA	39,700	45,000	52,500	
	Nonvolatile beta	pCi/L	2.9E+02	4.4E+02	2.6E+02	5.5E+02	
	Total alpha-emitting radium	pCi/L	1.6E+01	2.1E+01	1.7E+01	1.7E+01	
	Tritium	pCi/mL	1.5E+04	1.7E+04	1.6E+04	1.6E+04	
HSB101C	Tritium	pCi/mL	-	2.0E+01	-	-	
HSB102C	Nitrate-nitrite as nitrogen	µg/L	13,400	14,400	15,200	14,200	
	Tritium	pCi/mL	2.2E+02	2.2E+02	1.9E+02	1.9E+02	
HSB103C	Nitrate-nitrite as nitrogen	µg/L	22,800	22,000	24,000	24,000	
	Tritium	pCi/mL	8.2E+02	8.1E+02	7.3E+02	7.1E+02	
HSB104C	Tritium	pCi/mL	3.0E+02	2.9E+02	2.6E+02	2.6E+02	
HSB105C	Tritium	pCi/mL	1.1E+02	1.0E+02	1.0E+02	9.3E+01	
HSB106C	Tetrachloroethylene	µg/L	5.2	5.7	-	6.6	
	Tritium	pCi/mL	3.8E+02	3.6E+02	3.1E+02	3.2E+02	
HSB107C	Nonvolatile beta	pCi/L	1.2E+02	-	-	-	
	Tritium	pCi/mL	4.4E+02	4.2E+02	3.7E+02	4.1E+02	

Aquifer Zone IIB, (Barnwell/McBean, upper portion)

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
HSB108C	Nitrate-nitrite as nitrogen	µg/L	-	-	32,000	-	
	Tritium	pCi/mL	3.6E+02	3.6E+02	3.3E+02	3.1E+02	
HSB109C	Tritium	pCi/mL	7.8E+01	7.8E+01	6.9E+01	6.7E+01	
HSB110C	Tritium	pCi/mL	3.8E+01	3.6E+01	3.0E+01	3.1E+01	
HSB111C	Nitrate-nitrite as nitrogen	µg/L	24,200	24,000	24,000	25,000	
	Nonvolatile beta	pCi/L	9.1E+01	-	6.0E+01	6.2E+01	
	Tritium	pCi/mL	3.6E+03	3.4E+03	3.2E+03	3.1E+03	
HSB112C	Nitrate-nitrite as nitrogen	µg/L	15,400	14,000	14,000	13,800	
	Nonvolatile beta	pCi/L	7.8E+01	5.1E+01	-	-	
	Tritium	pCi/mL	2.5E+03	2.3E+03	2.0E+03	1.8E+03	
HSB113C	Nitrate-nitrite as nitrogen	µg/L	13,600	14,200	14,800	14,400	
	Nonvolatile beta	µg/L	-	5.4E+01	5.0E+01	-	
	Tritium	pCi/mL	1.6E+03	1.6E+03	1.6E+03	1.6E+03	
HSB114C	Gross alpha	pCi/L	-	1.7E+01	-	-	
	Nitrate as nitrogen	µg/L	54,400	NA	NA	NA	
	Nitrate-nitrite as nitrogen	µg/L	NA	56,500	56,500	13,500	
	Nonvolatile beta	pCi/L	1.9E+02	1.8E+02	1.4E+02	-	
	Total alpha-emitting radium	pCi/L	9.7E+00	8.5E+00	1.0E+01	-	
	Tritium	pCi/mL	1.3E+04	1.4E+04	1.3E+04	1.6E+03	
HSB115C	Nitrate-nitrite as nitrogen	µg/L	49,200	53,000	51,500	57,200	
	Nonvolatile beta	pCi/L	1.5E+02	1.7E+02	1.3E+02	8.1E+01	
	Total alpha-emitting radium	pCi/L	-	5.4E+00	-	6.9E+00	
	Tritium	pCi/mL	1.6E+04	1.6E+04	1.4E+04	1.4E+04	
HSB116C	Gross alpha	pCi/L	1.7E+01	2.4E+01	-	-	
	Nitrate-nitrite as nitrogen	µg/L	61,000	57,200	69,000	58,000	
	Nonvolatile beta	pCi/L	1.2E+02	5.8E+01	7.8E+01	7.6E+01	
	Total alpha-emitting radium	pCi/L	6.1E+00	6.5E+00	8.8E+00	8.7E+00	
	Tritium	pCi/mL	1.7E+04	1.7E+04	1.5E+04	1.5E+04	
HSB117C	Gross alpha	pCi/L	-	3.0E+01	2.3E+01	NA	
	Nitrate-nitrite as nitrogen	µg/L	38,000	25,700	-	NA	
	Nonvolatile beta	pCi/L	1.9E+02	8.1E+01	9.8E+01	NA	
	Total alpha-emitting radium	pCi/L	8.8E+00	1.4E+01	6.2E+00	NA	
	Tritium	pCi/mL	1.0E+04	9.5E+03	7.9E+03	NA	
HSB126C	Nitrate-nitrite as nitrogen	µg/L	-	52,000	-	-	
	Total alpha-emitting radium	pCi/L	-	-	5.9E+00	-	
	Tritium	pCi/mL	2.9E+02	3.0E+02	2.9E+02	3.0E+02	
HSB127C	Nitrate-nitrite as nitrogen	µg/L	-	-	11,000	10,200	
	Total alpha-emitting radium	pCi/L	-	-	3.4E+01	-	
	Tritium	pCi/mL	1.1E+03	1.0E+03	9.5E+02	9.6E+02	
HSB129C	Nitrate-nitrite as nitrogen	µg/L	21,000	21,000	13,500	16,000	
	Nonvolatile beta	pCi/L	1.2E+02	-	5.0E+01	-	
	Tritium	pCi/mL	2.5E+03	2.4E+03	1.8E+03	1.9E+03	
HSB131C	Tritium	pCi/mL	1.8E+02	1.8E+02	1.6E+02	1.6E+02	

Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean, upper portion)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>
HSB134C	Tritium	pCi/mL	4.2E+01	4.3E+01	3.8E+01	3.6E+01	
HSB135C	Tritium	pCi/mL	4.7E+01	5.1E+01	6.2E+01	4.8E+01	
HSB136C	Nitrate-nitrite as nitrogen	µg/L	41,500	44,200	37,600	38,400	
	Nonvolatile beta	pCi/L	1.5E+02	5.2E+01	8.7E+01	1.1E+02	
	Tritium	pCi/mL	1.1E+04	1.0E+04	8.1E+03	9.0E+03	
HSB137C	Nitrate-nitrite as nitrogen	µg/L	90,000	64,000	60,800	60,000	
	Nonvolatile beta	pCi/L	1.5E+02	1.6E+02	1.7E+02	1.1E+02	
	Tritium	pCi/mL	1.2E+04	1.2E+04	1.2E+04	1.2E+04	
HSB139C	Nitrate-nitrite as nitrogen	µg/L	43,000	50,000	48,800	45,200	
	Tetrachloroethylene	µg/L	9.8	8.8	8.8	12	
	Tritium	pCi/mL	3.4E+03	3.3E+03	3.0E+03	2.9E+03	
HSB143C	Tetrachloroethylene	µg/L	-	11	-	-	
	Total alpha-emitting radium	pCi/L	-	-	1.2E+01	-	
	Trichloroethylene	µg/L	-	23	-	-	
HSB145C	Nitrate-nitrite as nitrogen	µg/L	33,600	33,200	33,600	39,200	
	Nonvolatile beta	pCi/L	-	-	5.0E+01	5.2E+01	
	Tetrachloroethylene	µg/L	12	14	16	32	
	Trichloroethylene	µg/L	-	-	-	35	
	Tritium	pCi/mL	2.0E+03	1.9E+03	1.7E+03	1.7E+03	
HSB151C	Tritium	pCi/mL	2.2E+03	2.2E+03	1.8E+03	1.8E+03	
HSB152C	Nitrate-nitrite as nitrogen	µg/L	-	-	10,500	-	
	Tritium	pCi/mL	1.2E+03	1.2E+03	1.2E+03	1.1E+03	

Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean, lower portion)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>
HSB 68B	Tritium	pCi/mL	2.7E+01	1.9E+02	2.5E+01	3.8E+01	
HSB 84B	Tritium	pCi/mL	2.1E+01	8.6E+01	7.8E+01	8.4E+01	

## Aquifer Unit IIA (Congaree)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>
HSB 65A	Tritium	pCi/mL	3.0E+01	3.0E+01	2.2E+01	-	
HSB 84A	Nonvolatile beta	pCi/L	1.8E+02	1.7E+02	1.5E+02	9.2E+01	
	Tritium	pCi/mL	4.9E+01	4.2E+01	3.7E+01	2.8E+01	
HSB118A	Nitrate-nitrite as nitrogen	µg/L	-	-	13,500	18,600	
	Tritium	pCi/mL	6.6E+02	2.2E+03	2.8E+03	5.0E+03	
HSB119A	Tritium	pCi/mL	2.5E+02	2.5E+02	2.7E+02	3.4E+02	

**Aquifer Unit IIA (Congaree)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>
HSB139A	Nonvolatile beta	pCi/L	-	-	6.0E+01	-	
HSB144A	Tritium	pCi/mL	2.1E+03	1.5E+03	1.1E+03	8.0E+02	

Note: Table 1 presents the highest value for duplicate/replicate results. The drinking water standard for lead was changed to the South Carolina Primary Drinking Water Standard of 50 µg/L fourth quarter 1992.

- <sup>a</sup> - = analyzed but not above final PDWS.
- <sup>b</sup> The final PDWS for total radium was applied to total alpha-emitting radium.
- <sup>c</sup> NA = not analyzed.



**Table 2. Constituents Exceeding Half the Final Primary Drinking Water Standards or Other Flag 1 or Flag 2 Criteria****Aquifer Zone IIB<sub>2</sub> (Water Table)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB 65	Aluminum	µg/L	78		2
	Lead	µg/L	11		1
HSB 65C	Aluminum	µg/L	35		1
HSB 66	Aluminum	µg/L	174		2
HSB 67	Aluminum	µg/L	1,610		2
	Manganese	µg/L	184		2
	Mercury	µg/L	1.6		1
	pH	pH	3.7	J	1
HSB 68	Aluminum	µg/L	4,550		2
	Cobalt-60	pCi/L	1.1E+02		2
	Manganese	µg/L	993		2
	Specific conductance	µS/cm	365		1
HSB 69	Aluminum	µg/L	4,810		2
	Cobalt-60	pCi/L	1.7E+02		2
	Manganese	µg/L	728		2
	pH	pH	3.9	J	1
HSB 70	Aluminum	µg/L	69		2
	Antimony	µg/L	3.1		1
HSB 71	Aluminum	µg/L	77		2
HSB 83D	Aluminum	µg/L	198		2
	Manganese	µg/L	59		2
	Nitrate-nitrite as nitrogen	µg/L	7,400		1
	Nonvolatile beta	pCi/L	3.1E+01		1
	Total alpha-emitting radium <sup>a</sup>	pCi/L	2.6E+00		1
HSB 84D	Aluminum	µg/L	588		2
	Gross alpha	pCi/L	1.2E+01		1
	Manganese	µg/L	46		1
HSB 85C	Aluminum	µg/L	80		2
HSB 86D	Aluminum	µg/L	2,300		2
	Cobalt-60	pCi/L	6.4E+01		1
	Manganese	µg/L	234		2
HSB100D	Aluminum	µg/L	48		1
	Manganese	µg/L	36		1
	Nonvolatile beta	pCi/L	2.6E+01		1
	Total alpha-emitting radium	pCi/L	3.3E+00		1

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

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB101D	Aluminum	μg/L	845		2
	pH	pH	9.7	J	1
	Vanadium	μg/L	506		2
HSB102D	Aluminum	μg/L	16,300		2
	Cobalt-60	pCi/L	1.3E+02		2
	Iron	μg/L	255		1
	Manganese	μg/L	1,250		2
	pH	pH	3.7	J	1
	Silica, total	μg/L	13,800		2
	Specific conductance	μS/cm	430		1
HSB103D	Aluminum	μg/L	1,670		2
	Manganese	μg/L	267		2
HSB104D	Aluminum	μg/L	6,400		2
	Cobalt-60	pCi/L	5.8E+01		1
	Manganese	μg/L	384		2
HSB105D	Aluminum	μg/L	6,110		2
	Manganese	μg/L	392		2
	Specific conductance	μS/cm	320		1
HSB107D	Aluminum	μg/L	103		2
	Manganese	μg/L	181		2
	Mercury	μg/L	1.9		1
	Silica, total	μg/L	8,760		2
HSB108D	Aluminum	μg/L	1,710		2
	Cobalt-60	pCi/L	1.1E+02		2
	Manganese	μg/L	629		2
HSB109D	Aluminum	μg/L	1,100		2
	Gross alpha	pCi/L	9.2E+00		1
	Manganese	μg/L	188		2
	Nitrate-nitrite as nitrogen	μg/L	7,300		1
HSB110D	Aluminum	μg/L	264		2
	Manganese	μg/L	51		2
	Total alpha-emitting radium	pCi/L	3.9E+00		1
HSB111D	Aluminum	μg/L	220		2
	Manganese	μg/L	49		1
	Specific conductance	μS/cm	450		1
HSB111E	Aluminum	μg/L	436		2
HSB112D	Aluminum	μg/L	115		2
	Manganese	μg/L	125		2
	Silica, total	μg/L	7,220		2
	Specific conductance	μS/cm	360		1
	Total alpha-emitting radium	pCi/L	3.4E+00		1

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

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB112E	Aluminum	μg/L	403		2
	Manganese	μg/L	543		2
	Specific conductance	μS/cm	315		1
HSB113D	Aluminum	μg/L	6,470		2
	Cobalt-60	pCi/L	1.4E+02		2
	Iron	μg/L	154		1
	Lead	μg/L	11		1
	Manganese	μg/L	566		2
	pH	pH	3.9	J	1
HSB114D	Aluminum	μg/L	8,290		2
	Cobalt-60	pCi/L	1.6E+02		2
	Manganese	μg/L	510		2
	pH	pH	3.8	J	1
	Specific conductance	μS/cm	310		1
HSB115D	Aluminum	μg/L	8,360		2
	Cadmium	μg/L	3.7		1
	Cobalt	μg/L	50		2
	Cobalt-60	pCi/L	1.7E+02		2
	Iron	μg/L	1,690		2
	Manganese	μg/L	1,730		2
	Nickel	μg/L	55		1
	Specific conductance	μS/cm	300		1
HSB116D	Aluminum	μg/L	2,730		2
	Cobalt-60	pCi/L	2.6E+02		2
	Lead	μg/L	12		1
	Manganese	μg/L	941		2
	Specific conductance	μS/cm	280		1
HSB117D	Aluminum	μg/L	45		1
HSB125D	Aluminum	μg/L	99		2
	Manganese	μg/L	71		2
	Nonvolatile beta	pCi/L	2.6E+01		1
	Specific conductance	μS/cm	400		1
HSB126D	Aluminum	μg/L	472		2
	Antimony	μg/L	4.1		1
	Manganese	μg/L	45		1
	Specific conductance	μS/cm	430		1
	Total alpha-emitting radium	pCi/L	4.9E+00		1
HSB127D	Aluminum	μg/L	175		2
	Gross alpha	pCi/L	8.3E+00		1
	Manganese	μg/L	308		2
	Total alpha-emitting radium	pCi/L	4.3E+00		1

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

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB129D	Aluminum	µg/L	146		2
	Specific conductance	µS/cm	270		1
	Total alpha-emitting radium	pCi/L	4.9E+00		1
HSB132D	Aluminum	µg/L	685		2
	Iron	µg/L	238		1
	Tritium	pCi/mL	1.7E+01		1
HSB133D	Aluminum	µg/L	156		2
HSB134D	Aluminum	µg/L	473		2
	Gross alpha	pCi/L	1.2E+01		1
	Manganese	µg/L	113		2
HSB135D	Aluminum	µg/L	176		2
HSB136D	Aluminum	µg/L	4,710		2
	Cobalt-60	pCi/L	1.7E+02		2
	Manganese	µg/L	416		2
	Specific conductance	µS/cm	260		1
HSB137D	Aluminum	µg/L	100		2
	Manganese	µg/L	65		2
	Total alpha-emitting radium	pCi/L	4.7E+00		1
HSB138D	Lead	µg/L	8.1		1
HSB139D	Aluminum	µg/L	51		2
	Tritium	pCi/mL	2.0E+01		1
HSB140D	Aluminum	µg/L	61		2
	Tritium	pCi/mL	1.3E+01		1
HSB141D	Aluminum	µg/L	539		2
	Iron	µg/L	643		2
	Manganese	µg/L	42		1
	Tritium	pCi/mL	1.7E+01		1
HSB142D	Aluminum	µg/L	171		2
HSB143D	Aluminum	µg/L	56		2
	Tritium	pCi/mL	1.0E+01		1
HSB145D	Aluminum	µg/L	1,140		2
	Manganese	µg/L	925		2
	Specific conductance	µS/cm	350		1
	Trichloroethylene	µg/L	2.8		1
HSB146D	Aluminum	µg/L	195		2

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

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB147D	Aluminum	µg/L	245		2
	Lead	µg/L	8.6		1
	Tritium	pCi/mL	1.8E+01		1
HSB148D	Aluminum	µg/L	695		2
	Iron	µg/L	191	J24	1
	pH	pH	9.8	J	1
	Tritium	pCi/mL	1.2E+01		1
HSB149D	Aluminum	µg/L	200		2
HSB150D	Aluminum	µg/L	1,770		2
	Iron	µg/L	639		2
HSB151D	Aluminum	µg/L	44		1
HSB152D	Aluminum	µg/L	5,050		2
	Iron	µg/L	2,930	J2	2
	Manganese	µg/L	36		1

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

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB 68B	Aluminum	µg/L	310		2
	Iron	µg/L	317		2
	pH	pH	8.1	J	1
HSB 68C	Aluminum	µg/L	117		2
	Copper	µg/L	865		1
	Iron	µg/L	326		2
	Manganese	µg/L	48		1
	Nitrate-nitrite as nitrogen	µg/L	8,300		1
HSB 70C	Aluminum	µg/L	110		2
	pH	pH	11	J	2
	Specific conductance	µS/cm	340		1
HSB 71C	Aluminum	µg/L	1,000		2
	Manganese	µg/L	100		2
	Specific conductance	µS/cm	600		2
HSB 83C	Aluminum	µg/L	67		2
HSB 84C	Aluminum	µg/L	99		2
HSB 86B	Aluminum	µg/L	85		2
	Total organic halogens	µg/L	51		2

Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean, upper portion)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB 86C	Aluminum	μg/L	806		2
	<i>Cadmium</i>	μg/L	4.7		1
	Cobalt	μg/L	24		1
	Manganese	μg/L	1,180		2
	Specific conductance	μS/cm	355		1
HSB100C	Aluminum	μg/L	56		2
	Antimony	μg/L	3.3	J3	1
HSB101C	<i>Tritium</i>	pCi/mL	1.4E+01		1
HSB102C	Manganese	μg/L	63		2
HSB103C	Aluminum	μg/L	197		2
	Manganese	μg/L	520		2
	<i>Mercury</i>	μg/L	1.0		1
	<i>Total alpha-emitting radium</i>	pCi/L	3.2E+00		1
HSB104C	Aluminum	μg/L	425		2
	<i>Nitrate-nitrite as nitrogen</i>	μg/L	6,500		1
	<i>Nonvolatile beta</i>	pCi/L	3.1E+01		1
	pH	pH	9.8	J	1
	<i>Total alpha-emitting radium</i>	pCi/L	2.8E+00		1
HSB106C	<i>Nitrate-nitrite as nitrogen</i>	μg/L	7,400		1
HSB107C	Aluminum	μg/L	49		1
	Iron	μg/L	163		1
	Manganese	μg/L	292		2
	<i>Nitrate-nitrite as nitrogen</i>	μg/L	5,500		1
HSB108C	Aluminum	μg/L	47		1
HSB110C	Aluminum	μg/L	69		2
HSB111C	Aluminum	μg/L	195		2
	Manganese	μg/L	35		1
	Specific conductance	μS/cm	550		2
HSB112C	Aluminum	μg/L	86		2
	Manganese	μg/L	25		1
	<i>Nonvolatile beta</i>	pCi/L	3.4E+01		1
	<i>Total alpha-emitting radium</i>	pCi/L	2.7E+00		1
HSB113C	Aluminum	μg/L	139		2
	Manganese	μg/L	47		1
	<i>Nonvolatile beta</i>	pCi/L	4.6E+01		1
	<i>Total alpha-emitting radium</i>	pCi/L	2.5E+00		1
HSB114C	Aluminum	μg/L	178		2
	Manganese	μg/L	55		2
	<i>Nonvolatile beta</i>	pCi/L	2.7E+01		1

**Aquifer Zone IIB, (Barnwell/McBean, upper portion)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB115C	Aluminum	µg/L	224		2
	<i>Gross alpha</i>	pCi/L	1.3E+01		1
	Manganese	µg/L	177		2
	Specific conductance	µS/cm	410		1
HSB116C	Aluminum	µg/L	198		2
	Cobalt	µg/L	70		2
	<i>Gross alpha</i>	pCi/L	1.4E+01		1
	Manganese	µg/L	1,030		2
	Silica, total	µg/L	7,510		2
	Specific conductance	µS/cm	455		1
HSB125C	Aluminum	µg/L	37		1
HSB126C	<i>Nitrate-nitrite as nitrogen</i>	µg/L	5,900		1
HSB129C	Aluminum	µg/L	284		2
	Iron	µg/L	852	J24	2
	Manganese	µg/L	61		2
	<i>Nonvolatile beta</i>	pCi/L	4.3E+01		1
HSB132C	Aluminum	µg/L	96		2
	Iron	µg/L	1,020	4	2
HSB134C	Aluminum	µg/L	37		1
HSB135C	Aluminum	µg/L	1,210	4	2
	Iron	µg/L	1,320	4	2
	Manganese	µg/L	42	4	1
	pH	pH	8.2	J	1
HSB136C	Aluminum	µg/L	241		2
	<i>Gross alpha</i>	pCi/L	1.2E+01		1
	Iron	µg/L	160		1
	pH	pH	9.2	J	1
	Specific conductance	µS/cm	380		1
	<i>Total alpha-emitting radium</i>	pCi/L	4.1E+00		1
HSB137C	Aluminum	µg/L	231		2
	<i>Gross alpha</i>	pCi/L	1.5E+01		1
	Manganese	µg/L	38		1
	pH	pH	8.1	J	1
	Specific conductance	µS/cm	600		2
HSB139C	Aluminum	µg/L	280		2
	Manganese	µg/L	251		2
	<i>Mercury</i>	µg/L	1.2		1
	<i>Nonvolatile beta</i>	pCi/L	3.9E+01		1
	Specific conductance	µS/cm	400		1
HSB141C	Aluminum	µg/L	1,100		2
	pH	pH	12	J	2

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

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
	Specific conductance	μS/cm	850		2
HSB142C	Aluminum	μg/L	76		2
HSB143C	Aluminum	μg/L	33		1
	<i>Tritium</i>	pCi/mL	1.1E+01		1
HSB145C	Aluminum	μg/L	218		2
	Manganese	μg/L	127		2
	Specific conductance	μS/cm	310		1
	<i>Total alpha-emitting radium</i>	pCi/L	4.0E+00		1
HSB146C	Aluminum	μg/L	165		2
HSB148C	Aluminum	μg/L	911		2
	pH	pH	11	J	2
	Specific conductance	μS/cm	270		1
HSB151C	Aluminum	μg/L	125		2
	<i>Nitrate-nitrite as nitrogen</i>	μg/L	8,250		1
HSB152C	Aluminum	μg/L	87		2
	Manganese	μg/L	37		1
	<i>Nitrate-nitrite as nitrogen</i>	μg/L	9,300		1

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

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB 83B	Aluminum	μg/L	48		1
HSB 84B	Aluminum	μg/L	762	4	2
	Iron	μg/L	596		2
	pH	pH	10	J	2
HSB 85B	Aluminum	μg/L	2,520		2
	<i>Chloroethene (Vinyl chloride)</i>	μg/L	1.3		1
	pH	pH	11	J	2
	Specific conductance	μS/cm	440		1

**Aquifer Unit IIA (Congaree)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB 65A	<i>Tritium</i>	pCi/mL	1.7E+01		1
HSB 69A	Aluminum	μg/L	60		2



## Aquifer Unit IIA (Congaree)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q92</u>	<u>Mod</u>	<u>Flag</u>
HSB 84A	Aluminum	µg/L	71		2
HSB 85A	Aluminum	µg/L	43		1
	<i>Total alpha-emitting radium</i>	pCi/L	3.4E + 00		1
HSB 86A	Aluminum	µg/L	48		1
HSB117A	Manganese	µg/L	74		2
HSB118A	Manganese	µg/L	54		2
	Specific conductance	µS/cm	270		1
	<i>Total alpha-emitting radium</i>	pCi/L	3.1E + 00		1
	Total organic carbon	µg/L	12,200		2
HSB119A	Aluminum	µg/L	1,160		2
	Iron	µg/L	348	J2	2
	<i>Lead</i>	µg/L	12		1
	Silica, total	µg/L	36,600		2
HSB121A	<i>Total alpha-emitting radium</i>	pCi/L	3.5E + 00		1
HSB123A	Aluminum	µg/L	25		1
	pH	pH	8.8	J	1
	<i>Total alpha-emitting radium</i>	pCi/L	2.6E + 00		1
HSB124AR	Manganese	µg/L	29		1
HSB140A	Aluminum	µg/L	33		1
HSB141A	Aluminum	µg/L	2,960		2
	pH	pH	12	J	2
	Specific conductance	µS/cm	1,000		2
HSB144A	Manganese	µg/L	43		1
HSB146A	Aluminum	µg/L	119		2

Note: Constituents exceeding half the final PDWS appear *italicized*. These results do not include field data results.

<sup>a</sup> Flagging criteria for total radium were applied to total alpha-emitting radium.

**Table 3. Groundwater Monitoring Results for Individual Wells**

**WELL HSB 65**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N72425.6 E58432.0	33.281296 °N 81.653622 °W	242.4-212.4 ft msl	272 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

<u>SAMPLE DATE</u>	01/03/92	04/24/92	07/06/92	10/06/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	232.2	232.4	232.5	232.8	ft msl
pH	4.8	4.2	4.6	4.6	pH
Sp. conductance	44	44	44	36	µS/cm
Water temperature	17.9	19.5	20.3	19.5	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	4.6	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Acenaphthene	< 10	< 10				µg/L		
		Acenaphthylene	< 10	< 10				µg/L		
		Acetophenone	< 10	< 10	< 10	< 10	J1	µg/L	GE	0
		Aldrin	< 10	< 10				µg/L		
		Aluminum	37	37	53	78		µg/L	GE	2
		Anthracene	< 10	< 10				µg/L		
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	8.6	8.1	9.4	11		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		alpha-Benzene hexachloride	< 10	< 10				µg/L		
		beta-Benzene hexachloride	< 10	< 10				µg/L		
		delta-Benzene hexachloride	< 10	< 10				µg/L		
		Benzidine	< 10	< 10				µg/L		
		Benzo[a]anthracene	< 10	< 10				µg/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 65 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Benzo(b)fluoranthene	<10	<10				µg/L		
		Benzo(k)fluoranthene	<10	<10				µg/L		
		Benzo(g,h,i)perylene	<10	<10				µg/L		
		Benzo(e)pyrene	<10	<10				µg/L		
		Bis(2-chloroethoxy) methane	<10	<10				µg/L		
		Bis(2-chloroethyl) ether	<10	<10				µg/L		
		Bis(2-chloroisopropyl) ether	<10	<10				µg/L		
		Bis(2-ethylhexyl) phthalate	<10	<10				µg/L		
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		4-Bromophenyl phenyl ether	<10	<10				µg/L		
		Butylbenzyl phthalate	<10	<10				µg/L		
		Cadmium	<2.0	<2.0	1.1	<2.0		µg/L	GE	0
		Calcium	539	618	634	529	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chlordane	<10	<10				µg/L		
		Chloride	3,920	4,170	4,230	3,520		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		para-Chloro-meta-cresol	<10	<10				µg/L		
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloronaphthalene	<10	<10				µg/L		
		2-Chlorophenol	<10	<10				µg/L		
		4-Chlorophenyl phenyl ether	<10	<10				µg/L		
		Chromium	<4.0	<4.0	<1.1	<4.0		µg/L	GE	0
		Chrysene	<10	<10				µg/L		
		Cobalt	<4.0	<4.0	1.1	<4.0		µg/L	GE	0
		Copper	72	61	56	88		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		p,p'-DDD	<10	<10				µg/L		
		p,p'-DDE	<10	<10				µg/L		
		p,p'-DDT	<10	<10				µg/L		
		Dibenz(a,h)anthracene	<10	<10				µg/L		
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Di-n-butyl phthalate	<10	<10				µg/L		
		3,3'-Dichlorobenzidine	<10	<10				µg/L		
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	1.5	<1.0	1.3	2.1	J2	µg/L	GE	0
		2,4-Dichlorophenol	<10	<10				µg/L		
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dieldrin	<10	<10				µg/L		
		Diethyl phthalate	<10	<10				µg/L		
		2,4-Dimethyl phenol	<10	<10				µg/L		
		Dimethyl phthalate	<10	<10				µg/L		
		2,4-Dinitrophenol	<45	<45				µg/L		
		2,4-Dinitrotoluene	<10	<10				µg/L		
		2,6-Dinitrotoluene	<10	<10				µg/L		
		Di-n-octyl phthalate	<10	<10				µg/L		
		1,2-Diphenylhydrazine	<10	<10				µg/L		
		Endosulfan I	<10	<10				µg/L		
		Endosulfan II	<10	<10				µg/L		
		Endosulfan sulfate	<10	<10				µg/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 85 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Endrin	<10	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Endrin aldehyde	<10	<10				µg/L		
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoranthene	<10	<10				µg/L		
		Fluorene	<10	<10				µg/L		
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	3.4E+00	<2.0E+00	1.7E+00	2.5E+00		pCi/L	GE	0
		Heptachlor	<10	<10				µg/L		
		Heptachlor epoxide	<10	<10				µg/L		
		Hexachlorobenzene	<10	<10				µg/L		
		Hexachlorobutadiene	<10	<10				µg/L		
		Hexachlorocyclopentadiene	<10	<10				µg/L		
		Hexachloroethane	<10	<10				µg/L		
		Indenol 1,2,3-c,dipyrene	<10	<10				µg/L	GE	0
		Iron	11	<4.0	36	19		µg/L		
		Isophorone	<10	<10				µg/L		
		Lead	14	11	13	11		µg/L	GE	1
		Lindane	<10	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	902	901	975	1,100		µg/L	GE	0
		Manganese	<2.0	<2.0	1.2	<2.0		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol	<10	<10	<10	<10	J1	µg/L	GE	0
		Naphthalene	<10	<10	<10	<10		µg/L	GE	0
		Nickel	<4.0	<4.0	<3.1	<4.0		µg/L	GE	0
		Nitrate as nitrogen			2.430			µg/L		
		Nitrate-nitrite as nitrogen	2.750	2.980	2.680	3.900		µg/L	GE	0
		Nitrobenzene	<10	<10				µg/L		
		2-Nitrophenol	<10	<10				µg/L		
		4-Nitrophenol	<10	<10				µg/L		
		N-Nitrosodimethylamine	<10	<10				µg/L		
		N-Nitrosodiphenylamine	<10	<10				µg/L		
		N-Nitrosodipropylamine	<10	<10				µg/L		
		Nonvolatile beta	2.5E+00	<2.0E+00	2.9E+00	2.4E+00		pCi/L	GE	0
		PCB 1016	<150	<150				µg/L		
		PCB 1221	<150	<150				µg/L		
		PCB 1232	<150	<150				µg/L		
		PCB 1242	<150	<150				µg/L		
		PCB 1248	<150	<150				µg/L		
		PCB 1254	<150	<150				µg/L		
		PCB 1260	<150	<150				µg/L		
		Pentachlorophenol	<10	<10				µg/L		
		pH	4.5	4.9	4.8	4.8	J	pH	GE	0
		Phenanthrene	<10	<10				µg/L		
		Phenol	<10	<10				µg/L		
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	282	<500		µg/L	GE	0
		Pyrene	<10	<10				µg/L		
		Radium-226			1.1E+00			pCi/L		
		Radium-228			8.4E-01			pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	6.750	7.220	6.840	6.000	J2	µg/L	GE	0
		Silver	<2.0	<2.0	0.72	<2.0		µg/L	GE	0
		Sodium	4.850	4.500	4.700	2.960		µg/L	GE	0
		Specific conductance	40	40	42	35		µS/cm	GE	0
		Sulfate	2,010	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tin	<2.0	<2.0	2.3	<2.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	1.1E+00	1.1E+00	<1.0E+00	2.1E+00		pCi/L	GE	0
		Total dissolved solids	33,000	19,000	60,000	20,000	V	µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 65 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Total organic carbon	< 1,000	< 1,000	1,210	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	28	5.4		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	31	< 50		µg/L	GE	0
		Toxaphene	< 10	< 0.24	< 0.24	< 0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	< 0.090	< 0.090	< 0.090	< 0.090		µg/L	GE	0
		1,2,4-Trichlorobenzene	< 10	< 10				µg/L		
		1,1,1-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Trichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Trichlorofluoromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		2,4,6-Trichlorophenol	< 10	< 10				µg/L		
■		Tritium	3.8E + 01	3.3E + 01	3.6E + 01	3.8E + 01		pCi/mL	GE	2
		Turbidity	1.9	< 0.10	0.73	0.15		NTU	GE	0
		Vanadium	< 8.0	< 8.0	< 0.88	< 8.0		µg/L	GE	0
		Xylenes	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Zinc	12	12	96	8.8		µg/L	GE	0

WELL HSB 65A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72436.2 E58436.0	33.281326 °N 81.653633 °W	73.2-82.5 ft msl	273.6 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE	01/03/92	04/24/92	07/06/92	10/05/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	171.8	171.9	171.5	171.5	ft msl
pH	7.5	7.0	7.0	7.8	pH
Sp. conductance	211	210	211	206	µS/cm
Water temperature	18.7	20.3	20.4	19.9	°C
Alkalinity as CaCO <sub>3</sub>	89	80	76	84	mg/L
Volume purged	4.0	4.0	4.0	2.3	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Acenaphthene	< 10	< 10				µg/L		
		Acenaphthylene	< 10	< 10				µg/L		
		Acetophenone	< 10	< 10	< 10	< 10	J1	µg/L	GE	0
		Aldrin	< 10	< 10				µg/L		
		Aluminum	24	27	32	24		µg/L	GE	0
		Anthracene	< 10	< 10				µg/L		
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	44	48	54	39		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		alpha-Benzene hexachloride	< 10	< 10				µg/L		
		beta-Benzene hexachloride	< 10	< 10				µg/L		
		delta-Benzene hexachloride	< 10	< 10				µg/L		
		Benzidine	< 10	< 10				µg/L		
		Benzo(a)anthracene	< 10	< 10				µg/L		
		Benzo(b)fluoranthene	< 10	< 10				µg/L		
		Benzo(k)fluoranthene	< 10	< 10				µg/L		
		Benzo(g,h,i)perylene	< 10	< 10				µg/L		
		Benzo(a)pyrene	< 10	< 10				µg/L		
		Bis(2-chloroethoxy) methane	< 10	< 10				µg/L		
		Bis(2-chloroethyl) ether	< 10	< 10				µg/L		
		Bis(2-chloroisopropyl) ether	< 10	< 10				µg/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 65A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Bis(2-ethylhexyl) phthalate	<10	<10				µg/L		
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		4-Bromophenyl phenyl ether	<10	<10				µg/L		
		Butylbenzyl phthalate	<10	<10				µg/L		
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	37,900	38,200	42,200	34,900	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chlordane	<10	<10				µg/L		
		Chloride	2,580	2,770	2,560	2,520		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		para-Chloro-meta-cresol	<10	<10				µg/L		
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloronaphthalene	<10	<10				µg/L		
		2-Chlorophenol	<10	<10				µg/L		
		4-Chlorophenyl phenyl ether	<10	<10				µg/L		
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Chrysene	<10	<10				µg/L		
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		p,p'-DDD	<10	<10				µg/L		
		p,p'-DDE	<10	<10				µg/L		
		p,p'-DDT	<10	<10				µg/L		
		Dibenz(a,h)anthracene	<10	<10				µg/L		
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Di-n-butyl phthalate	<10	<10				µg/L		
		3,3'-Dichlorobenzidine	<10	<10				µg/L		
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	<1.0	1.3	1.1	2.5	J2	µg/L	GE	0
		2,4-Dichlorophenol	<10	<10				µg/L		
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dieldrin	<10	<10				µg/L		
		Diethyl phthalate	<10	<10				µg/L		
		2,4-Dimethyl phenol	<10	<10				µg/L		
		Dimethyl phthalate	<10	<10				µg/L		
		2,4-Dinitrophenol	<45	<45				µg/L		
		2,4-Dinitrotoluene	<10	<10				µg/L		
		2,6-Dinitrotoluene	<10	<10				µg/L		
		Di-n-octyl phthalate	<10	<10				µg/L		
		1,2-Diphenylhydrazine	<10	<10				µg/L		
		Endosulfan I	<10	<10				µg/L		
		Endosulfan II	<10	<10				µg/L		
		Endosulfan sulfate	<10	<10				µg/L		
		Endrin	<10	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Endrin aldehyde	<10	<10				µg/L		
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoranthene	<10	<10				µg/L		
		Fluorene	<10	<10				µg/L		
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	2.2E +00	<2.0E +00	<2.0E +00	<2.0E +00		pCi/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 65A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Heptachlor	<10	<10				µg/L		
		Heptachlor epoxide	<10	<10				µg/L		
		Hexachlorobenzene	<10	<10				µg/L		
		Hexachlorobutadiene	<10	<10				µg/L		
		Hexachlorocyclopentadiene	<10	<10				µg/L		
		Hexachloroethane	<10	<10				µg/L		
		Indenol 1,2,3-c,dipyrene	<10	<10				µg/L		
		Iron	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Isophorone	<10	<10				µg/L		
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<10	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	825	797	820	781		µg/L	GE	0
		Manganese	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol	<10	<10				µg/L		
		Naphthalene	<10	<10	<10	<10	J1	µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	360	160	140	140		µg/L	GE	0
		Nitrobenzene	<10	<10				µg/L		
		2-Nitrophenol	<10	<10				µg/L		
		4-Nitrophenol	<10	<10				µg/L		
		N-Nitrosodimethylamine	<10	<10				µg/L		
		N-Nitrosodiphenylamine	<10	<10				µg/L		
		N-Nitrosodipropylamine	<10	<10				µg/L		
		Nonvolatile beta	3.0E+00	<2.0E+00	<2.0E+00	2.8E+00		pCi/L	GE	0
		PCB 1016	<150	<150				µg/L		
		PCB 1221	<150	<150				µg/L		
		PCB 1232	<150	<150				µg/L		
		PCB 1242	<150	<150				µg/L		
		PCB 1248	<150	<150				µg/L		
		PCB 1254	<150	<150				µg/L		
		PCB 1260	<150	<150				µg/L		
		Pentachlorophenol	<10	<10				µg/L		
		pH	7.5	7.5	7.3	7.3	J	pH	GE	0
		Phenanthrene	<10	<10				µg/L		
		Phenol	<10	<10				µg/L		
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	1,050	1,220	1,240	1,120		µg/L	GE	0
		Pyrene	<10	<10				µg/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	27,900	28,400	26,500	22,300	J2	µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	2,000	1,850	2,070	1,900		µg/L	GE	0
		Specific conductance	190	170	198	198		µS/cm	GE	0
		Sulfate	4,720	5,400	4,860	5,390		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tin	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	137,000	133,000	121,000	139,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	7.7	11	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Toxaphene	<10	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,2,4-Trichlorobenzene	<10	<10				µg/L		
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

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Well HSB 65A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		2,4,6-Trichlorophenol	< 10	< 10				µg/L		
		Tritium	3.0E + 01	3.0E + 01	2.2E + 01	1.7E + 01		pCi/ml	GE	1
		Turbidity	0.20	< 0.10	< 0.10	0.36		NTU	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Xylenes	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

WELL HSB 65B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72446.6 E58439.4	33.281352 °N 81.653642 °W	133.3-123.3 ft msl	273.7 ft msl	4" PVC	S	McBean (IIB <sub>1</sub> )

SAMPLE DATE	01/03/92	04/24/92	07/06/92	10/06/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	224.5	224.5	224.7	224.7	ft msl
pH	7.9	7.4	7.2	7.9	pH
Sp. conductance	201	205	208	197	µS/cm
Water temperature	18.6	19.6	20.2	20.3	°C
Alkalinity as CaCO <sub>3</sub>	79	95	84	88	mg/L
Volume purged	4.0	4.0	4.0	2.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Acenaphthene	< 10	< 10				µg/L		
		Acenaphthylene	< 10	< 10				µg/L		
		Acetophenone	< 10	< 10	< 10	< 10	J1	µg/L	GE	0
		Aldrin	< 10	< 10				µg/L		
		Aluminum	< 20	31	< 20	< 20		µg/L	GE	0
		Anthracene	< 10	< 10				µg/L		
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	11	15	17	5.1		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		alpha-Benzene hexachloride	< 10	< 10				µg/L		
		beta-Benzene hexachloride	< 10	< 10				µg/L		
		delta-Benzene hexachloride	< 10	< 10				µg/L		
		Benzidine	< 10	< 10				µg/L		
		Benzo[a]anthracene	< 10	< 10				µg/L		
		Benzo[b]fluoranthene	< 10	< 10				µg/L		
		Benzo[k]fluoranthene	< 10	< 10				µg/L		
		Benzo[g,h,i]perylene	< 10	< 10				µg/L		
		Benzo[a]pyrene	< 10	< 10				µg/L		
		Bis(2-chloroethoxy) methane	< 10	< 10				µg/L		
		Bis(2-chloroethyl) ether	< 10	< 10				µg/L		
		Bis(2-chloroisopropyl) ether	< 10	< 10				µg/L		
		Bis(2-ethylhexyl) phthalate	< 10	< 10				µg/L		
		Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromoform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		4-Bromophenyl phenyl ether	< 10	< 10				µg/L		
		Butylbenzyl phthalate	< 10	< 10				µg/L		
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	38,500	37,400	41,000	41,800	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chlordane	< 10	< 10				µg/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB 656 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Chloride	2,610	2,620	2,590	2,570		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		para-Chloro-meta-cresol	<1.0	<1.0				µg/L		
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloronaphthalene	<1.0	<1.0				µg/L		
		2-Chlorophenol	<1.0	<1.0				µg/L		
		4-Chlorophenyl phenyl ether	<1.0	<1.0				µg/L		
		Chromium	4.9	<4.0	<4.0	<4.0		µg/L	GE	0
		Chrysene	<1.0	<1.0				µg/L		
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		p,p'-DDD	<1.0	<1.0				µg/L		
		p,p'-DDE	<1.0	<1.0				µg/L		
		p,p'-DDT	<1.0	<1.0				µg/L		
		Dibenz(a,h)anthracene	<1.0	<1.0				µg/L		
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Di-n-butyl phthalate	<1.0	<1.0				µg/L		
		3,3'-Dichlorobenzidine	<1.0	<1.0				µg/L		
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	<1.0	2.6	3.5	1.0	J2	µg/L	GE	0
		2,4-Dichlorophenol	<1.0	<1.0				µg/L		
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dieldrin	<1.0	<1.0				µg/L		
		Diethyl phthalate	<1.0	<1.0				µg/L		
		2,4-Dimethyl phenol	<1.0	<1.0				µg/L		
		Dimethyl phthalate	<1.0	<1.0				µg/L		
		2,4-Dinitrophenol	<45	<45				µg/L		
		2,4-Dinitrotoluene	<1.0	<1.0				µg/L		
		2,6-Dinitrotoluene	<1.0	<1.0				µg/L		
		Di-n-octyl phthalate	<1.0	<1.0				µg/L		
		1,2-Diphenylhydrazine	<1.0	<1.0				µg/L		
		Endosulfan I	<1.0	<1.0				µg/L		
		Endosulfan II	<1.0	<1.0				µg/L		
		Endosulfan sulfate	<1.0	<1.0				µg/L		
		Endrin	<1.0	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Endrin aldehyde	<1.0	<1.0				µg/L		
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoranthene	<1.0	<1.0				µg/L		
		Fluorene	<1.0	<1.0				µg/L		
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Heptachlor	<1.0	<1.0				µg/L		
		Heptachlor epoxide	<1.0	<1.0				µg/L		
		Hexachlorobenzene	<1.0	<1.0				µg/L		
		Hexachlorobutadiene	<1.0	<1.0				µg/L		
		Hexachlorocyclopentadiene	<1.0	<1.0				µg/L		
		Hexachloroethane	<1.0	<1.0				µg/L		
		Indenol [1,2,3-c,d]pyrene	<1.0	<1.0				µg/L		
		Iron	<4.0	<4.0	<4.0	11		µg/L	GE	0
		Isophorone	<1.0	<1.0				µg/L		
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 65B continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Lindane	<10	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	837	794	841	902		µg/L	GE	0
		Manganese	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol	<10	<10				µg/L	GE	0
		Naphthalene	<10	<10	<10	<10	J1	µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	140	<50	70	<50		µg/L	GE	0
		Nitrobenzene	<10	<10				µg/L		
		2-Nitrophenol	<10	<10				µg/L		
		4-Nitrophenol	<10	<10				µg/L		
		N-Nitrosodimethylamine	<10	<10				µg/L		
		N-Nitrosodiphenylamine	<10	<10				µg/L		
		N-Nitrosodipropylamine	<10	<10				pCi/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		µg/L		
		PCB 1016	<150	<150				µg/L		
		PCB 1221	<150	<150				µg/L		
		PCB 1232	<150	<150				µg/L		
		PCB 1242	<150	<150				µg/L		
		PCB 1248	<150	<150				µg/L		
		PCB 1254	<150	<150				µg/L		
		PCB 1260	<150	<150				µg/L		
		Pentachlorophenol	<10	<10				µg/L		
		pH	7.5	8.0	7.8	7.4	J	pH	GE	0
		Phenanthrene	<10	<10				µg/L		
		Phenol	<10	<10				µg/L		
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	581	<500	<500		µg/L	GE	0
		Pyrene	<10	<10				µg/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	17,800	18,300	17,200	16,400	J2	µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,850	1,780	1,800	1,840		µg/L	GE	0
		Specific conductance	190	168	190	185		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tin	<2.0	3.6	<2.0	<2.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00	J6	pCi/L	GE	0
		Total dissolved solids	123,000	120,000	105,000	128,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	12	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Toxaphene	<10	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,2,4-Trichlorobenzene	<10	<10				µg/L		
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	2.1	<1.0		µg/L	GE	0
		2,4,6-Trichlorophenol	<10	<10				µg/L		
		Tritium	<7.0E-01	<7.0E-01	<7.0E-01	<7.0E-01		pCi/mL	GE	0
		Turbidity	2.3	0.48	3.0	0.49		NTU	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Xylenes	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Zinc	<2.0	<2.0	2.3	<2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB 65C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72439.6 E58447.1	33.281351 °N 81.653610 °W	218.6-207.8 ft msl	273.6 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/03/92	04/24/92	07/06/92	10/05/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	232.5	232.7	232.8	233.0	ft msl
pH	5.0	4.3	4.7	4.8	pH
Sp. conductance	61	59	60	56	µS/cm
Water temperature	18.5	20.1	20.5	19.9	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Acenaphthene	<10	<10				µg/L		
		Acenaphthylene	<10	<10				µg/L		
		Acetophenone	<10	<10	<10	<10	J1	µg/L	GE	0
		Aldrin	<10	<10				µg/L		
		Aluminum	30	29	28	35		µg/L	GE	1
		Anthracene	<10	<10				µg/L		
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	7.0	7.1	7.3	7.3		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		alpha-Benzene hexachloride	<10	<10				µg/L		
		beta-Benzene hexachloride	<10	<10				µg/L		
		delta-Benzene hexachloride	<10	<10				µg/L		
		Benzidine	<10	<10				µg/L		
		Benzo(a)anthracene	<10	<10				µg/L		
		Benzo(b)fluoranthene	<10	<10				µg/L		
		Benzo(k)fluoranthene	<10	<10				µg/L		
		Benzo(g,h,i)perylene	<10	<10				µg/L		
		Benzo(a)pyrene	<10	<10				µg/L		
		Bis(2-chloroethoxy) methane	<10	<10				µg/L		
		Bis(2-chloroethyl) ether	<10	<10				µg/L		
		Bis(2-chloroisopropyl) ether	<10	<10				µg/L		
		Bis(2-ethylhexyl) phthalate	<10	<10				µg/L		
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		4-Bromophenyl phenyl ether	<10	<10				µg/L		
		Butylbenzyl phthalate	<10	<10				µg/L		
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	1,250	1,290	1,250	1,360	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chlordane	<10	<10				µg/L		
		Chloride	5,100	5,450	5,240	5,010		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		para-Chloro-meta-cresol	<10	<10				µg/L		
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloronaphthalene	<10	<10				µg/L		
		2-Chlorophenol	<10	<10				µg/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

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Well HSB 65C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		4-Chlorophenyl phenyl ether	<10	<10				µg/L		
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Chrysene	<10	<10				µg/L		
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	6.4	6.5	7.8	8.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		p,p'-DDD	<10	<10				µg/L		
		p,p'-DDE	<10	<10				µg/L		
		p,p'-DDT	<10	<10				µg/L		
		Dibenz(a,h)anthracene	<10	<10				µg/L		
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Di-n-butyl phthalate	<10	<10				µg/L		
		3,3'-Dichlorobenzidine	<10	<10				µg/L		
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	1.3	2.2	<1.0	2.5	J2	µg/L	GE	0
		2,4-Dichlorophenol	<10	<10				µg/L		
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dieldrin	<10	<10				µg/L		
		Diethyl phthalate	<10	<10				µg/L		
		2,4-Dimethyl phenol	<10	<10				µg/L		
		Dimethyl phthalate	<10	<10				µg/L		
		2,4-Dinitrophenol	<45	<45				µg/L		
		2,4-Dinitrotoluene	<10	<10				µg/L		
		2,6-Dinitrotoluene	<10	<10				µg/L		
		Di-n-octyl phthalate	<10	<10				µg/L		
		1,2-Diphenylhydrazine	<10	<10				µg/L		
		Endosulfan I	<10	<10				µg/L		
		Endosulfan II	<10	<10				µg/L		
		Endosulfan sulfate	<10	<10				µg/L		
		Endrin	<10	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Endrin aldehyde	<10	<10				µg/L		
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoranthene	<10	<10				µg/L		
		Fluorene	<10	<10				µg/L		
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E + 00	<2.0E + 00	<2.0E + 00	2.1E + 00		pCi/L	GE	0
		Heptachlor	<10	<10				µg/L		
		Heptachlor epoxide	<10	<10				µg/L		
		Hexachlorobenzene	<10	<10				µg/L		
		Hexachlorobutadiene	<10	<10				µg/L		
		Hexachlorocyclopentadiene	<10	<10				µg/L		
		Hexachloroethane	<10	<10				µg/L		
		Indeno(1,2,3-c,d)pyrene	<10	<10				µg/L		
		Iron	56	16	14	19		µg/L	GE	0
		Isophorone	<10	<10				µg/L		
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<10	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	751	730	732	849		µg/L	GE	0
		Manganese	9.5	9.4	8.6	10		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol	<10	<10				µg/L		
		Naphthalene	<10	<10	<10	<10	J1	µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	3,500	5,700	3,600	3,650		µg/L	GE	0
		Nitrobenzene	<10	<10				µg/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 65C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		2-Nitrophenol	<10	<10				µg/L		
		4-Nitrophenol	<10	<10				µg/L		
		N-Nitrosodimethylamine	<10	<10				µg/L		
		N-Nitrosodiphenylamine	<10	<10				µg/L		
		N-Nitrosodipropylamine	<10	<10				µg/L		
		Nonvolatile beta	< 2.0E +00	< 2.0E +00	< 2.0E +00	< 2.0E +00		pCi/L	GE	0
		PCB 1016	<150	<150				µg/L		
		PCB 1221	<150	<150				µg/L		
		PCB 1232	<150	<150				µg/L		
		PCB 1242	<150	<150				µg/L		
		PCB 1248	<150	<150				µg/L		
		PCB 1254	<150	<150				µg/L		
		PCB 1260	<150	<150				µg/L		
		Pentachlorophenol	<10	<10				µg/L		
●		pH	7.7	5.1	4.9	5.0	J	pH	GE	0
		Phenanthrene	<10	<10				µg/L		
		Phenol	<10	<10				µg/L		
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Pyrene	<10	<10				µg/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	7,560	7,600	7,360	6,960	J2	µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	6,700	6,960	7,040	6,650		µg/L	GE	0
		Specific conductance	50	50	53	52		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tin	<2.0	3.0	4.1	<2.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	13		µg/L	GE	0
		Total alpha-emitting radium	<1.0E +00	<1.0E +00	<1.0E +00	2.1E +00		pCi/L	GE	0
		Total dissolved solids	42,000	39,000	35,000	40,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Toxaphene	<10	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,2,4-Trichlorobenzene	<10	<10				µg/L		
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2,4,6-Trichlorophenol	<10	<10				µg/L		
■		Tritium	2.8E +01	2.7E +01	2.4E +01	2.2E +01		pCi/mL	GE	2
		Turbidity	2.4	<0.10	<0.10	<0.10		NTU	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Xylenes	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Zinc	13	13	14	15		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 66**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N72429.2 E56928.3	33.278850 °N 81.657589 °W	228.1-198.1 ft msl	280.2 ft msl	4" PVC	S	Water table (H <sub>2</sub> O)

<u>SAMPLE DATE</u>	01/03/92	04/22/92	07/06/92	10/06/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	224.9	224.8	225.0	225.0	ft msl
pH	5.1	4.3	4.8	5.0	pH
Sp. conductance	29	27	28	28	µS/cm
Water temperature	18.1	18.9	20.7	20.1	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	9.8	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	37	40	40	174		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	<3.0	<3.0	3.2	3.2		µg/L	GE	0
		Cadmium	<2.0	0.53	<2.0	<2.0		µg/L	GE	0
		Calcium	971	1,030	1,070	1,140	J2	µg/L	GE	0
		Chloride	2,640	3,680	2,440	2,640		µg/L	GE	0
		Chromium	<4.0	2.4	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	1.1	<4.0	<4.0		µg/L	GE	0
		Copper	15	17	18	17		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	2.8E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	7.7	9.4	<4.0	88		µg/L	GE	0
		Lead	6.0	28	4.3	4.4		µg/L	GE	0
		Magnesium	415	427	433	472		µg/L	GE	0
		Manganese	6.4	6.5	6.9	10		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<4.0	<3.1	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen		1,590				µg/L		
		Nitrate-nitrite as nitrogen	1,460	1,410	1,440	1,520		µg/L	GE	0
		Nonvolatile beta	3.7E+00	1.9E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	4.9	5.1	4.9	4.6	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	<500	334	<500	<500		µg/L	GE	0
		Radium-226		7.2E-01				pCi/L		
		Radium-228		1.2E+00				pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	9,640	9,500	9,660	9,290	J2	µg/L	GE	0
		Silver	<2.0	<0.70	<2.0	<2.0		µg/L	GE	0
		Sodium	2,150	2,410	2,360	2,560		µg/L	GE	0
		Specific conductance	30	30	28	30		µS/cm	GE	0
		Sulfate	<1,000	288	<1,000	<1,000		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	1.7E+00	1.2E+00	1.1E+00		pCi/L	GE	0
		Total dissolved solids	29,000	31,000	21,000	25,000	V	µg/L	GE	0
		Total organic carbon	<1,000	1,280	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	33	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	130	140	99	50		µg/L	GE	0
		Tritium	1.1E+01	1.1E+01	8.3E+00	7.7E+00		pCi/mL	GE	0
		Vanadium	<8.0	<0.88	<8.0	<8.0		µg/L	GE	0
		Zinc	7.6	15	14	16		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 67**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71505.0 E58424.3	33.279247 °N 81.651855 °W	230.7-200.7 ft msl	237.8 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/01/92	04/06/92	07/06/92	10/06/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	223.4	224.0	224.1	223.6	ft msl
pH	4.2	3.9	4.1	4.0	pH
Sp. conductance	126	149	138	123	µS/cm
Water temperature	17.5	19.0	21.1	19.9	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	6.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	942	1,410	1,220	1,610		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	25	38	32	33		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	946	1,640	1,110	1,150	J2	µg/L	GE	0
		Cerium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Chloride	2,840	2,420	2,470	2,540		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Copper	20	21	19	19		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E+01	< 4.0E+01		pCi/L	GP	0
		Europium-154			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Europium-155			< 3.0E+01	< 3.0E+01		pCi/L	GP	0
		Fluoride	117	162	105	167		µg/L	GE	0
	■	Gross alpha	9.3E+00	2.3E+01	4.8E+01	4.6E+01		pCi/L	GE	2
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	< 4.0	< 4.0	4.3	6.4		µg/L	GE	0
		Lead	< 3.0	< 3.0	3.7	< 3.0		µg/L	GE	0
		Magnesium	850	1,140	1,010	1,170		µg/L	GE	0
		Manganese	149	220	172	184		µg/L	GE	2
		Manganese-54			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Mercury	1.8	1.9	2.0	1.6		µg/L	GE	1
		Nickel	< 4.0	< 4.0	< 4.0	4.8		µg/L	GE	0
		Niobium-95			< 1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	9,800	11,600	13,900	11,500		µg/L	GE	2
	■	Nonvolatile beta	9.1E+02	2.1E+03	1.7E+03	1.3E+03		pCi/L	GE	2
	●	pH	4.1	4.3	4.3	3.7	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	< 500	501	< 500	< 500		µg/L	GE	0
		Potassium-40			< 1.1E+02	< 1.1E+02		pCi/L	GP	0
		Promethium-144			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Promethium-146			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Ruthenium-106			< 9.0E+01	< 9.0E+01		pCi/L	GP	0
		Ruthenium-106			< 1.3E+02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 67 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	7,320	7,410	7,410	6,850	J2	µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	12,000	11,900	13,500	11,000		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	95	122	115	100		µS/cm	GE	0
		Sulfate	12,100	2,020	2,870	3,700		µg/L	GE	0
		Total activity	4.2E + 06	4.7E + 06	3.4E + 06	1.9E + 06		pCi/L	EM	0
■		Total alpha-emitting radium	2.2E + 01	4.7E + 01	2.5E + 01	3.5E + 01		pCi/L	GE	2
		Total dissolved solids	77,000	92,000	80,000	58,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
■		Tritium	4.1E + 03	4.3E + 03	3.8E + 03	1.7E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	7.4	11	8.3	7.9		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0

WELL HSB 68

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71528.0 E56901.0	33.276813 °N 81.655911 °W	243.3-213.3 ft msl	250.1 ft msl	4" PVC	V	Water table (H <sub>2</sub> O)

SAMPLE DATE	01/01/92	04/22/92	07/07/92	10/13/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.0	221.7	221.2	221.0	ft msl
pH	3.9	3.8	3.8	3.8	pH
Sp. conductance	410	397	349	368	µS/cm
Water temperature	18.9	19.0	19.9	22.1	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.1	4.0	4.0	6.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	6,420	5,650	4,740	4,550		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	142	136	128	126		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	3,650	4,090	3,930	3,630		µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
●		Chloride	3,940	2,120	2,050	2,160	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	5.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L	GP	0
		Cobalt	15	15	16	14		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			1.4E + 02	1.1E + 02		pCi/L	GP	2
		Cobalt-60			1.1E + 02			pCi/L	GP	2
		Copper	49	55	51	4.8		µg/L	GE	0
●		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB 68 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Europium-152			<4.0E+01	<4.0E+01		pCi/L	GP	0
		Europium-154			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Europium-155			<3.0E+01	<3.0E+01		pCi/L	GP	0
		Fluoride	468	697	396	247		µg/L	GE	0
	■	Gross alpha	3.9E+01	6.9E+01	3.6E+01	3.4E+01		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	42	18	19	45		µg/L	GE	0
		Lead	16	7.8	8.6	<3.0		µg/L	GE	0
		Magnesium	1,840	2,020	2,300	2,260		µg/L	GE	0
		Manganese	1.020	1.040	1.080	993		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
	■	Mercury	2.6	2.6	2.5	2.3		µg/L	GE	2
		Nickel	31	31	30	32		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	39,200	40,100	39,000	38,500		µg/L	GE	2
	■	Nonvolatile beta	7.0E+03	9.4E+03	5.8E+03	6.3E+03		pCi/L	GE	2
	●	pH	4.0	3.9	4.0	4.0	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	1,710	2,060	1,730	1,820		µg/L	GE	0
		Potassium-40			<1.1E+02	<1.1E+02		pCi/L	GP	0
		Promethium-144			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Promethium-146			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Ruthenium-106			<9.0E+01	<9.0E+01		pCi/L	GP	0
		Ruthenium-106			<1.3E+02			pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	16,100	16,400	15,300	14,500		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	32,500	35,600	33,400	40,400		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	322	310	268	365		µS/cm	GE	1
	●	Sulfate	8,140	2,360	3,060	2,890	J	µg/L	GE	0
		Total activity	1.0E+07	1.0E+07	6.4E+06	5.4E+06		pCi/L	EM	0
	■	Total alpha-emitting radium	1.1E+02	1.3E+02	6.6E+01	8.9E+01		pCi/L	GE	2
	●	Total dissolved solids	282,000	273,000	184,000	198,000	J6V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	60	60	<50	<50		µg/L	GE	0
	■	Tritium	1.1E+04	9.4E+03	6.0E+03	5.1E+03		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Yttrium-88			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Zinc	80	76	76	67		µg/L	GE	0
		Zinc-65			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Zirconium-95			<2.0E+01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 68A**

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

<u>SAMPLE DATE</u>	01/01/92	04/22/92	07/07/92	10/09/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	172.3	172.4	171.9	172.2	ft msl
pH	6.9	6.6	6.6	6.7	pH
Sp. conductance	141	139	142	143	µS/cm
Water temperature	17.8	19.2	19.9	20.5	°C
Alkalinity as CaCO <sub>3</sub>	50	56	49	33	mg/L
Volume purged	4.0	4.0	4.0	2.4	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	< 20	< 20	27	24		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	22	25	27	19		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	24,400	23,700	26,100	25,000	J2	µg/L	GE	0
•		Chloride	2,600	2,550	2,400	2,420	J6	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	138	< 100	104		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	582	574	581	578		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	< 50					µg/L		
		Nitrate-nitrite as nitrogen		< 50	330	< 50		µg/L	GE	0
•		Nonvolatile beta	5.5E+00	8.5E+00	6.0E+00	4.5E+00		pCi/L	GE	0
		pH	6.9	6.8	6.8	6.5	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	917	1,010	1,040	897		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	26,100	25,500	25,800	23,400		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,680	1,730	1,810	1,790		µg/L	GE	0
		Specific conductance	1,400	135	130	115		µS/cm	GE	0
•		Sulfate	5,040	5,650	5,590	4,800	J6	µg/L	GE	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	< 1.0E+00	< 1.0E+00		pCi/L	GE	0
		Total dissolved solids	90,000	89,000	68,000	124,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	190	250	300	220		µg/L	GE	0
		Tritium	1.4E+00	9.5E-01	1.6E+00	1.7E+00		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 68B**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71525.5 E56882.1	33.276776 °N 81.655956 °W	134.5-123.5 ft msl	250 ft msl	4" PVC	S	McBean (IIB <sub>1</sub> )

SAMPLE DATE	01/02/92	04/23/92	07/07/92	10/13/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	216.8	216.8	217.3	217.3	ft msl
pH	8.1	8.4	7.4	7.6	pH
Sp. conductance	237	127	236	220	µS/cm
Water temperature	16.8	18.9	20.0	19.0	°C
Alkalinity as CaCO <sub>3</sub>	109	49	106	103	mg/L
Volume purged	0.8	0.8	0.8	0.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	30	< 20	310		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	15	61	20	4.6		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	45,400	21,000	48,900	44,400	J2	µg/L	GE	0
		Chloride	3,020	2,930	2,640	2,740		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	307	< 100	< 100		µg/L	GE	0
		Gross alpha	2.2E+00	5.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	11	13	317		µg/L	GE	2
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	823	440	822	1,050		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	2.6		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	240					µg/L		
		Nitrate-nitrite as nitrogen		1,390	240	550		µg/L	GE	0
		Nonvolatile beta	4.9E+00	1.4E+01	4.7E+00	5.1E+00		pCi/L	GE	0
		pH	7.9	7.7	7.9	8.1	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	< 500	809	< 500	519		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	21,700	17,300	21,300	19,000		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,960	2,700	1,890	2,060		µg/L	GE	0
		Specific conductance	240	200	207	210		µS/cm	GE	0
		Sulfate	1,300	1,610	1,350	1,200		µg/L	GE	0
		Total alpha-emitting radium	2.0E+00	1.9E+00	< 1.0E+00	2.2E+00		pCi/L	GE	0
		Total dissolved solids	146,000	128,000	136,000	159,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	1,260	1,000	1,440		µg/L	GE	0
		Total organic halogens	< 5.0	7.2	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	370	410	1,280	< 50		µg/L	GE	0
		Tritium	2.7E+01	1.9E+02	2.5E+01	3.8E+01		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	17	< 2.0	51	31		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 68C**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71524.1 E56872.7	33.278758 °N 81.655978 °W	179.5-168.4 ft msl	250.1 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

<u>SAMPLE DATE</u>	01/02/92	04/23/92	07/07/92	10/13/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	217.6	217.9	218.0	218.1	ft msl
pH	5.8	5.3	6.0	5.8	pH
Sp. conductance	105	104	107	108	µS/cm
Water temperature	17.5	19.1	20.6	18.1	°C
Alkalinity as CaCO <sub>3</sub>	4	8	9	10	mg/L
Volume purged	0.7	0.6	0.7	0.7	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	22	27	29	117		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	13	14	14	14		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	4,240	4,520	4,340	5,000		µg/L	GE	0
•		Chloride	3,360	3,160	3,140	3,240	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	152	181	213	865		µg/L	GE	1
•		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	68	234	139	326		µg/L	GE	2
■		Lead	12	9.4	10	18		µg/L	GE	0
		Magnesium	950	999	979	1,140		µg/L	GE	0
		Manganese	37	42	41	48		µg/L	GE	1
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	8,400	8,000	9,000	8,300		µg/L	GE	1
		Nonvolatile beta	9.5E + 00	< 2.0E + 00	1.2E + 01	7.3E + 00		pCi/L	GE	0
•		pH	5.5	5.7	5.6	5.8	J	pH	GE	0
		Phenols	< 5.0					µg/L	GE	0
		Potassium	< 500			< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	9,930	10,100	9,870	10,300		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	11,300	12,500	11,200	13,100		µg/L	GE	0
		Specific conductance	98	90	80	110		µS/cm	GE	0
•		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000	J	µg/L	GE	0
		Total activity	1.8E + 06	2.2E + 06	2.3E + 06	3.0E + 06		pCi/L	EM	0
		Total alpha-emitting radium	1.1E + 00	1.1E + 00	< 1.0E + 00	1.2E + 00		pCi/L	GE	0
•		Total dissolved solids	85,000	97,000	79,000	85,000	J6	µg/L	GE	0
		Total organic carbon	4,000	13,000	7,560	4,160		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	5.9	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
■		Tritium	1.8E + 03	2.3E + 03	2.4E + 03	2.6E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	136	175	164	287		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 69**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71546.9 E56475.1	33.276160 °N 81.657069 °W	229.0-199.0 ft msl	236 ft msl	4" PVC	V	Water table (H <sub>2</sub> O)

SAMPLE DATE	01/09/92	04/22/92	07/07/92	10/13/92
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**FIELD DATA**

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	219.0	219.7	219.5	219.5	ft msl
pH	3.7	3.7	3.7	3.6	pH
Sp. conductance	259	234	216	220	µS/cm
Water temperature	19.5	18.4	19.6	22.7	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.2	Well vol.

**ANALYTICAL DATA**

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	5.690	4.380	4.200	4.810		µg/L	GE	2
		Antimony	8.1	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	118	110	90	113		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	4.020	5.130	4.140	4.960	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Chloride	2.500	1.700	1.570	1.640		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	12	13	11	14		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			1.3E + 02	1.7E + 02		pCi/L	GP	2
		Cobalt-60			1.7E + 02			pCi/L		
		Copper	17	20	21	5.4		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	676	577	479	632		µg/L	GE	0
	■	Gross alpha	3.6E + 01	2.4E + 01	4.3E + 01	1.1E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	< 4.0	6.2	7.7	14		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	2.470	2.760	1.790	2.670		µg/L	GE	0
		Manganese	589	668	559	728		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	0.22	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	18	23	21	27		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	23,200	21,000	21,200	21,600		µg/L	GE	2
	■	Nonvolatile beta	3.9E + 03	5.0E + 03	4.1E + 03	3.9E + 03		pCi/L	GE	2
	●	pH	3.9	4.1	3.9	3.9	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	1.410	1.480	1.220	1.590		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 69 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	19,800	16,400	19,600	18,500		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	9,700	7,620	7,330	8,510		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	230	212	180	220		µS/cm	GE	0
		Sulfate	11,900	2,550	3,820	4,990		µg/L	GE	0
		Total activity	1.6E + 06	1.1E + 06	7.9E + 05	6.6E + 05		pCi/L	EM	0
		■ Total alpha-emitting radium	3.8E + 01	9.7E + 01	4.5E + 01	8.8E + 01		pCi/L	GE	2
		Total dissolved solids	94,000	92,000	86,000	107,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	14	9.5	9.5		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		■ Tritium	1.5E + 03	1.1E + 03	7.3E + 02	6.1E + 02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	58	69	62	72		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01	< 2.0E + 01		pCi/L		0

WELL HSB 69A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71549.4 E56465.1	33.276149 °N 81.657100 °W	93.1-83.1 ft msl	236.6 ft msl		S	M. Congaree (IIA)

SAMPLE DATE	01/09/92	04/22/92	07/07/92	10/09/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	172.5	172.7	172.3	172.5	ft msl
pH	6.9	6.7	6.7	6.6	pH
Sp. conductance	170	165	166	168	µS/cm
Water temperature	18.6	19.0	19.6	19.6	°C
Alkalinity as CaCO <sub>3</sub>	55	56	59	53	mg/L
Volume purged	4.0	4.0	4.0	2.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	60		µg/L	GE	2
		Antimony	2.9	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	2.0	< 2.0		µg/L	GE	0
		Barium	22	26	27	19		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	28,600	28,600	31,100	31,400	J2	µg/L	GE	0
		● Chloride	2,560	2,540	2,390	2,390	J6	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	128	164	112	113		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	2.5E + 00		pCi/L	GE	0
		Iron	7.9	< 4.0	< 4.0	15		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	765	755	767	795		µg/L	GE	0
		Manganese	13	13	13	12		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 69A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	< 50	< 50	< 50	< 50		µg/L	GE	0
		Nitrate-nitrite as nitrogen		< 50	60	< 50		µg/L	GE	0
		Nonvolatile beta	2.5E+00	2.4E+00	< 2.0E+00	2.6E+00		pCi/L	GE	0
•		pH	7.9	6.8	7.0	6.8	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	684	809	786	663		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	29,300	29,000	29,700	27,500		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,950	1,950	1,960	2,050		µg/L	GE	0
		Specific conductance	160	145	150	135		µS/cm	GE	0
•		Sulfate	5,380	6,050	5,950	5,140	J6	µg/L	GE	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	< 1.0E+00	1.7E+00		pCi/L	GE	0
		Total dissolved solids	115,000	125,000	109,000	144,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	148	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	240	260	360	250		µg/L	GE	0
		Tritium	< 7.0E-01	< 7.0E-01	< 7.0E-01	< 7.0E-01		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	4.9	< 2.0	5.5	5.8		µg/L	GE	0

WELL HSB 70

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72606.9 E55758.9	33.277336 °N 81.661013 °W	235.7-205.7 ft msl	242.8 ft msl	4" PVC	S	Water table (H <sub>2</sub> O)

SAMPLE DATE	01/07/92	04/21/92	07/07/92	10/09/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	223.4	224.4	225.3	224.1	ft msl
pH	5.2	4.7	5.1	4.8	pH
Sp. conductance	68	61	58	59	µS/cm
Water temperature	19.4	19.7	20.4	19.3	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	3.3	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	25	69		µg/L	GE	2
		Antimony	< 2.0	< 2.0	7.7	3.1		µg/L	GE	1
		Arsenic	< 2.0	< 2.0	< 2.0	3.9		µg/L	GE	0
		Barium	79	63	61	61		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	0.38	< 2.0		µg/L	GE	0
•		Calcium	4,910	4,280	4,390	4,360	J2	µg/L	GE	0
		Chloride	2,620	2,920	2,840	2,180	J6	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 1.1	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 0.88	< 4.0		µg/L	GE	0
		Copper	397	504	815	527		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	2.7E+00	2.8E+00		pCi/L	GE	0
		Iron	28	29	26	16		µg/L	GE	0
■		Lead	38	22	43	30		µg/L	GE	2
		Magnesium	1,830	1,730	1,600	1,690		µg/L	GE	0
		Manganese	31	13	13	11		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 70 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<4.0	6.1	8.5	5.9		µg/L	GE	0
		Nitrate as nitrogen	1,000		674			µg/L		
		Nitrate-nitrite as nitrogen		950	1,550	600		µg/L	GE	0
		Nonvolatils beta	1.7E+01	8.7E+00	1.3E+01	7.1E+00		pCi/L	GE	0
•		pH	4.8	5.5	5.4	5.1	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	681	842	894	550		µg/L	GE	0
		Radium-226			4.9E-01			pCi/L		
		Radium-228			1.5E+00			pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	6,480	6,300	5,920	5,900		µg/L	GE	0
		Silver	<2.0	<2.0	0.72	<2.0		µg/L	GE	0
		Sodium	2,030	2,380	2,150	2,350		µg/L	GE	0
		Specific conductance	58	68	50	50		µS/cm	GE	0
•		Sulfate	8,900	5,590	5,430	5,040	J6	µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	7.0E+00	<1.0E+00	2.2E+00		pCi/L	GE	0
		Total dissolved solids	36,000	33,000	97,000	44,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	1,000	<1,000		µg/L	GE	0
		Total organic halogens	12	22	86	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	178	<50		µg/L	GE	0
■		Tritium	1.7E+02	7.6E+01	4.6E+01	5.3E+01		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	1.1	<8.0		µg/L	GE	0
		Zinc	71	73	144	82		µg/L	GE	0

WELL HSB 70C

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

SAMPLE DATE	01/08/92	04/22/92	07/08/92	10/13/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.7	223.4	223.9	224.1	ft msl
pH	9.8	11.1	11.6	10.9	pH
Sp. conductance	351	608	604	395	µS/cm
Water temperature	17.1	18.8	19.9	18.8	°C
Alkalinity as CaCO <sub>3</sub>	18	43	65	98	mg/L
Volume purged	0.7	0.7	0.7	0.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	26	41	26	110		µg/L	GE	2
		Antimony	3.9	<2.0	<2.0	<2.0		µg/L	GE	0
		Antimony-125			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	98	105	105	104		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	23,200	27,600	24,500	25,500		µg/L	GE	0
		Cerium-144			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Cesium-134			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cesium-137			<1.0E+01	<1.0E+01		pCi/L	GP	0
•		Chloride	3,900	3,510	3,580	3,810	J	µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Chromium-51			<1.2E+02			pCi/L		
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB 70C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
●		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	5.7E + 00		pCi/L	GE	0
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	< 4.0	< 4.0	< 4.0	48		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	2,350	785	1,280	2,230		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	6.8		µg/L	GE	0
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	0.22		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
		Nitrate as nitrogen	32.600					µg/L		
■		Nitrate-nitrite as nitrogen		27,000	27,500	30,500		µg/L	GE	2
■		Nonvolatile beta	1.2E + 02	7.6E + 01	1.0E + 02	9.1E + 01		pCi/L	GE	2
●		pH	9.6	11	5.1	11	J	pH	GE	2
		Phenols	< 5.0					µg/L		
		Potassium	4,680	8,020	6,910	5,230		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	8,830	8,140	8,040	7,490		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	31,200	29,700	30,100	33,300		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	255	318	362	340		µS/cm	GE	1
●		Sulfate	1,310	2,510	2,200	1,740	J	µg/L	GE	0
		Total activity	4.3E + 06	3.0E + 06	3.0E + 06	3.6E + 06		pCi/L	EM	0
		Total alpha-emitting radium	1.2E + 00	2.0E + 00	1.6E + 00	2.0E + 00		pCi/L	GE	0
●		Total dissolved solids	267,000	259,000	240,000	239,000	J6	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	2,030		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	50	< 50	< 50	< 50		µg/L	GE	0
■		Tritium	4.1E + 03	3.1E + 03	3.1E + 03	3.4E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	< 2.0	< 2.0	< 2.0	9.9		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 71**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N72875.9 E55279.2	33.277148 °N 81.662799 °W	234.8-204.8 ft msl	241.4 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

<u>SAMPLE DATE</u>	01/14/92	04/13/92	07/22/92	10/07/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	229.4	224.3	225.4	224.5	ft msl
pH	5.0	4.5	4.8	4.9	pH
Sp. conductance	25	25	24	26	µS/cm
Water temperature	17.6	17.0	20.9	19.9	°C
Alkalinity as CaCO <sub>3</sub>	1	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	27.9	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	369	43	34	77		µg/L	GE	2
		Antimony		< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	4.4	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	552	395	540	593	J2	µg/L	GE	0
		Chloride	3,400	2,750	2,660	2,670		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	353	95	62	110		µg/L	GE	0
		Cyanide		< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride		< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	171	11	11	8.3		µg/L	GE	0
		Lead	14	5.8	6.6	5.5		µg/L	GE	0
		Magnesium	498	424	475	517		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	200		50	250		µg/L	GE	0
		Nitrate-nitrite as nitrogen		800				µg/L	GE	0
		Nonvolatile beta	3.9E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		pH	5.4	5.2	5.2	4.4	J	pH	GE	0
		Phenols	< 5.0					µg/L	GE	0
		Potassium		< 500	< 500	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	6,650	5,070	5,670	5,540	J2	µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,570	2,150	2,190	2,430		µg/L	GE	0
		Specific conductance	25	20	22	20		µS/cm	GE	0
		Sulfate	2,650	< 1,000	1,240	< 1,000		µg/L	GE	0
		Total activity		1.1E + 05				pCi/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00	1.2E + 00		pCi/L	GE	0
		Total dissolved solids		11,000	17,000	13,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	8.9	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	100	< 50	< 50		µg/L	GE	0
		Tritium	1.3E + 02	1.1E + 02	5.9E + 01	1.1E + 02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	68	22	12	24		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB 71C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72866.6 E55281.5	33.277131 °N 81.662775 °W	181.9-171.9 ft msl	241.6 ft msl	4" PVC	S	Barnwell (IIIB <sub>1</sub> )

SAMPLE DATE	01/15/92	04/14/92	07/23/92	10/08/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.6	223.1	223.4	222.9	ft msl
pH	7.7	9.5	8.5	6.9	pH
Sp. conductance	573	476	503	534	μS/cm
Water temperature	16.4	16.0	19.6	18.4	°C
Alkalinity as CaCO <sub>3</sub>	55	22	44	31	mg/L
Volume purged	0.7	0.7	0.7	0.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	68	99	109	1,000		μg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		μg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		μg/L	GE	0
		Barium	91	81	97	99		μg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		μg/L	GE	0
		Calcium	23,500	17,100	21,000	23,900		μg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Chloride	5,240	4,880	4,930	5,080	J	μg/L	GE	0
		Chromium	< 4.0	5.0	< 4.0	< 4.0		μg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	4.3		μg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Copper	< 4.0	< 4.0	< 4.0	< 4.0		μg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0	J	μg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	< 100	181	116	100		μg/L	GE	0
■		Gross alpha	7.4E + 00	5.5E + 00	2.6E + 01	1.8E + 01		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	< 4.0	< 4.0	< 4.0	36		μg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		μg/L	GE	0
		Magnesium	8,710	3,730	5,430	11,900		μg/L	GE	0
		Manganese	27	< 2.0	17	100		μg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		μg/L	GE	0
		Nickel	< 4.0	< 4.0	4.2	< 4.0		μg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
■		Nitrate-nitrite as nitrogen	50,500	51,000	52,000	50,500		μg/L	GE	2
■		Nonvolatile beta	1.6E + 02	1.9E + 02	1.4E + 02	1.2E + 02		pCi/L	GE	2
•		pH	7.9	9.9	9.1	7.8	J	pH	GE	0
		Phenols	< 5.0					μg/L		
		Potassium	2,160	5,550	5,190	2,120		μg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 71C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	7,520	5,460	5,680	8,370		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	62,100	63,700	67,000	70,400		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	480	445	438	600	J	µS/cm	GE	2
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total activity		7.9E + 06	8.1E + 06	8.2E + 06		pCi/L	EM	0
		Total alpha-emitting radium	1.2E + 01	5.9E + 00	6.8E + 00	8.7E + 00		pCi/L	GE	2
		Total dissolved solids	400,000	369,000	359,000	360,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	2,000	< 1,000		µg/L	GE	0
		Total organic halogens	78	23	< 5.0	14		µg/L	GE	0
		Total phosphates (as P)	< 50	110	< 50	140		µg/L	GE	0
		Tritium	8.3E + 03	8.3E + 03	7.8E + 03	7.6E + 03		pCi/mL	GE	2
		Tritium	8.6E + 03					pCi/mL		
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	< 2.0	< 2.0	< 2.0	12		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL HSB 83A

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

SAMPLE DATE	01/07/92	04/27/92	07/07/92	10/07/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	173.7	173.7	173.3	173.4	ft msl
pH	7.2	6.4	6.8	6.9	pH
Sp. conductance	193	189	197	185	µS/cm
Water temperature	17.6	19.0	20.4	19.4	°C
Alkalinity as CaCO <sub>3</sub>	74	77	77	75	mg/L
Volume purged	4.0	4.0	4.0	3.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	25	31	31	22		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	34,500	35,800	36,400	38,000	J2	µg/L	GE	0
		Chloride	2,630	2,430	2,500	2,580		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	759	783	768	815		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 83A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	<50					µg/L	GE	0
		Nitrate-nitrite as nitrogen		<50	190	<50		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	6.7	7.4	7.0	6.6	J	pH	GE	0
		Phenols	<5.0					µg/L	GE	0
		Potassium	876	1,010	1,020	946		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	27,700	27,200	27,200	25,900	J2	µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,680	1,760	1,760	1,830		µg/L	GE	0
		Specific conductance	170	180	122	119		µS/cm	GE	0
		Sulfate	4,940	5,650	5,570	5,770		µg/L	GE	0
		Total alpha-emitting radium	1.5E+00	<1.0E+00	<1.0E+00	1.8E+00		pCi/L	GE	0
		Total dissolved solids	119,000	125,000	117,000	123,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	90	<50		µg/L	GE	0
		Tritium	<7.0E-01	<7.0E-01	<7.0E-01	<7.0E-01		pCi/mL	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

WELL HSB 83B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71639.6 E58594.9	33.279823 °N 81.651667 °W	132.1-121.2 ft msl	237 ft msl	4" PVC	S	McBean (IIB <sub>1</sub> )

SAMPLE DATE	01/07/92	04/27/92	07/07/92	10/07/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.6	223.0	223.0	223.0	ft msl
pH	7.0	6.1	6.5	6.8	pH
Sp. conductance	118	115	118	111	µS/cm
Water temperature	17.6	18.6	20.0	19.1	°C
Alkalinity as CaCO <sub>3</sub>	40	46	47	38	mg/L
Volume purged	4.0	4.0	4.0	2.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	31	34	48		µg/L	GE	1
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	34	37	37	33		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	18,400	19,100	19,500	19,600	J2	µg/L	GE	0
		Chloride	2,730	2,510	2,460	2,550		µg/L	GE	0
		Chromium	4.3	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	152	168	140	175		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	<4.0	15		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	544	569	555	572		µg/L	GE	0
		Manganese	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 83B continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	<50					µg/L		
		Nitrate-nitrite as nitrogen		<50	990	60		µg/L	GE	0
		Nonvolatile beta	1.4E+01	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
•		pH	6.5	7.1	6.8	6.4	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	702	811	806	795		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	28,700	28,800	28,500	26,500	J2	µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	3,290	3,500	3,330	3,570		µg/L	GE	0
		Specific conductance	105	115	108	102		µS/cm	GE	0
		Sulfate	1,110	1,260	1,160	1,320		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	78,000	87,000	74,000	82,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	30	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	450	460	732	490		µg/L	GE	0
		Tritium	3.3E+00	2.2E+00	3.0E+00	2.6E+00		pCi/mL	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	9.3	9.1	9.5	11		µg/L	GE	0

WELL HSB 83C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71636.9 E58614.8	33.279849 °N 81.651609 °W	171.2-160.2 ft msl	237.1 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/07/92	04/27/92	07/07/92	10/07/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	224.4	224.8	224.8	225.0	ft msl
pH	5.4	4.4	5.1	5.1	pH
Sp. conductance	24	22	24	22	µS/cm
Water temperature	18.1	18.4	19.6	18.9	°C
Alkalinity as CaCO <sub>3</sub>	1	1	1	1	mg/L
Volume purged	4.0	4.0	4.0	3.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	<20	<20	67		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	1,080	1,160	1,270	1,230	J2	µg/L	GE	0
		Chloride	2,680	2,510	2,510	2,480		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	4.1		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	9.7	7.3	11	12		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	5.3	4.3	4.8	41		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	447	463	454	493		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 83C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Manganese	6.7	6.8	7.0	7.5		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	70		80	100		µg/L	GE	0
		Nitrate-nitrite as nitrogen		70				pCi/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	5.1	5.7	5.4	5.1	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	14,400	14,200	14,300	13,700	J2	µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,530	1,630	1,600	1,710		µg/L	GE	0
		Specific conductance	20	25	20	20		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	20,000	32,000	23,000	24,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	140	50	101	<50		µg/L	GE	0
		Tritium	<7.0E-01	<7.0E-01	1.0E+00	<7.0E-01		pCi/ml	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	9.2	8.5	11	8.2		µg/L	GE	0

WELL HSB 83D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71628.1 E58601.7	33.279809 °N 81.651627 °W	228.7-198.7 ft msl	237 ft msl	4" PVC	S	Water table (HIB <sub>2</sub> )

SAMPLE DATE	01/07/92	04/27/92	07/07/92	10/07/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	224.1	224.8	224.7	224.3	ft msl
pH	5.5	4.2	4.9	4.9	pH
Sp. conductance	99	88	88	84	µS/cm
Water temperature	18.0	17.4	20.7	20.1	°C
Alkalinity as CaCO <sub>3</sub>	2	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	4.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	23	65	78	198		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	41	28	26	28		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	6,040	2,700	2,230	2,180	J2	µg/L	GE	0
		Chloride	1,910	2,490	2,440	2,790		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	6.3	27	27	14		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	6.1E+00		pCi/L	GE	0
		Iron	57	35	36	137		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 83D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Magnesium	2,320	1,450	1,320	1,370		µg/L	GE	0
		Manganese	32	45	49	59		µg/L	GE	2
		Mercury	<0.20	0.77	0.54	0.66		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	4,200	830	50	7,400		µg/L	GE	1
		Nonvolatile beta	2.0E+01	4.3E+01	<2.0E+00	3.1E+01		pCi/L	GE	1
•		pH	5.5	5.3	5.2	4.9	J	pH	GE	0
		Phenols	<5.0					µg/L	GE	0
		Potassium	1,210	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	6,650	7,540	7,980	7,330		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	7,120	10,400	9,520	11,000		µg/L	GE	0
		Specific conductance	100	85	75	80		µS/cm	GE	0
		Sulfate	5,100	1,400	1,400	<1,000		µg/L	GE	0
		Total activity	1.0E+06	1.3E+06	9.4E+05	9.5E+05		pCi/L	EM	0
		Total alpha-emitting radium	<1.0E+00	1.7E+00	1.1E+00	2.6E+00		pCi/L	GE	1
•		Total dissolved solids	65,000	71,000	57,000	82,000	J6	µg/L	GE	0
		Total organic carbon	3,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	9.7	5.4	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	70	<50	<50	<50		µg/L	GE	0
■		Tritium	1.0E+03	1.0E+03	8.2E+02	7.2E+02		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	13	37	26	25		µg/L	GE	0

WELL HSB 84A

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

SAMPLE DATE	01/09/92	04/21/92	07/08/92	10/27/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	174.3	172.3	172.0	172.1	ft msl
pH	6.5	6.3	6.4	6.1	pH
Sp. conductance	113	114	114	113	µS/cm
Water temperature	18.3	19.9	20.0	20.3	°C
Alkalinity as CaCO <sub>3</sub>	35	34	31	34	mg/L
Volume purged	4.0	4.0	4.0	2.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	493	<20	<20	71		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Antimony-125			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Arsenic	<2.0	3.2	3.6	2.6		µg/L	GE	0
		Barium	27	29	29	27		µg/L	GE	0
		Bismuth	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	17,900	17,600	17,700	16,900		µg/L	GE	0
		Cerium			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Cerium-144			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cesium-134			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cesium-137			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Chloride	2,560	2,550	2,480	2,560		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Chromium-51			<1.2E+02			pCi/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB 84A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	151	217	122	172		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	5.1E + 00		pCi/L	GE	0
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	482	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	1,170	706	705	704		µg/L	GE	0
		Manganese	17	14	13	12		µg/L	GE	0
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
		Nitrate as nitrogen	95					µg/L		
		Nitrate-nitrite as nitrogen		90	130	< 50		µg/L	GE	0
●	■	Nonvolatile beta	1.8E + 02	1.7E + 02	1.5E + 02	9.2E + 01		pCi/L	GE	2
		pH	6.7	7.2	6.2	6.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	851	992	803	718		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	25,000	26,000	24,500	23,700		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,100	2,130	2,110	1,950		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	110	108	102	110		µS/cm	GE	0
		Sulfate	5,180	5,820	5,760	5,020		µg/L	GE	0
		Total alpha-emitting radium	2.4E + 00	4.5E + 00	2.6E + 00	2.3E + 00		pCi/L	GE	0
		Total dissolved solids	79,000	82,000	85,000	45,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	43	19	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	430	440	584	440		µg/L	GE	0
■		Tritium	4.9E + 01	4.2E + 01	3.7E + 01	2.8E + 01		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	2.4	< 2.0	< 2.0	3.4		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 84B**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71603.3 E56352.4	33.276084 °N 81.657501 °W	132.9-121.8 ft msl	228.9 ft msl	4" PVC	S	McBean (IB <sub>1</sub> )

<u>SAMPLE DATE</u>	01/09/92	04/22/92	07/08/92	10/13/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	210.6	210.8	210.7	211.1	ft msl
pH	7.4	9.6	9.5	11.5	pH
Sp. conductance	203	128	130	696	µS/cm
Water temperature	18.8	18.9	20.5	19.2	°C
Alkalinity as CaCO <sub>3</sub>	73	45	46	160	mg/L
Volume purged	4.0	0.9	0.8		Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	< 20	35	35	762	4	µg/L	GE	2
		Antimony	3.8	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	50	34	35	58		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	35,800	18,800	18,400	70,600	J2	µg/L	GE	0
		Chloride	2,710	2,660	2,440	2,590		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
•		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0	J6	µg/L	GE	0
		Fluoride	< 100	108	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	596		µg/L	GE	2
		Lead	20	< 3.0	< 3.0	7.4		µg/L	GE	0
		Magnesium	809	278	240	612		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	23		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	260					µg/L		
		Nitrate-nitrite as nitrogen		900	940	1,990		µg/L	GE	0
		Nonvolatile beta	3.5E + 00	5.0E + 00	6.6E + 00	8.0E + 00		pCi/L	GE	0
•		pH	7.5	9.5	9.3	10	J	pH	GE	2
		Phenols	< 5.0					µg/L		
		Potassium	1,470	3,120	3,100	6,150		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	40,600	33,400	33,600	24,300		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,640	4,510	4,630	8,740		µg/L	GE	0
		Specific conductance	200	120	112	125		µS/cm	GE	0
		Sulfate	3,130	3,000	2,870	2,610		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00		pCi/L	GE	0
•		Total dissolved solids	138,000	100,000	101,000	87,000	J6V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	11	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	170	110	162	290		µg/L	GE	0
■		Tritium	2.1E + 01	8.6E + 01	7.8E + 01	8.4E + 01		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	11		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 84C**

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

<u>SAMPLE DATE</u>	01/09/92	04/22/92	07/08/92	10/13/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	213.5	213.8	213.8	212.2	ft msl
pH	7.3	7.1	6.6	6.7	pH
Sp. conductance	90	90	84	88	µS/cm
Water temperature	18.6	19.3	20.5	19.2	°C
Alkalinity as CaCO <sub>3</sub>	24	24	31	25	mg/L
Volume purged	0.6	0.6	0.6	0.6	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	31	29	< 20	99		µg/L	GE	2
		Antimony	2.9	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	14	16	14	11		µg/L	GE	0
		Cadmium	2.5	< 2.0	2.5	2.0		µg/L	GE	0
		Calcium	10,800	10,400	10,500	10,000	J2	µg/L	GE	0
		Chloride	3,560	3,770	3,770	3,640		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	102		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	2.2E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	196	179	177	71		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	768	702	742	911		µg/L	GE	0
		Manganese	3.9	3.3	3.9	2.6		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	1,800	1,840	1,870	1,860		µg/L	GE	0
		Nonvolatile beta	1.1E + 01	6.5E + 00	2.0E + 01	6.4E + 00		pCi/L	GE	0
		pH	7.5	7.4	6.9	6.9	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,730	1,620	1,630	1,730		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	12,100	11,600	11,700	11,700		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	3,630	3,280	3,330	3,690		µg/L	GE	0
		Specific conductance	80	80	70	75		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total activity	3.9E + 05	3.8E + 05	4.0E + 05	4.2E + 05		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00	1.0E + 00		pCi/L	GE	0
		Total dissolved solids	52,000	51,000	49,000	65,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	7.9	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	60	< 50	< 50		µg/L	GE	0
		Tritium	3.9E + 02	4.0E + 02	3.8E + 02	3.9E + 02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	71	58	86	64		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB 84D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71583.9 E58349.9	33.276037 °N 81.657470 °W	219.5-199.5 ft msl	228.8 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/09/92	04/21/92	07/08/92	10/13/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	218.5	218.9	219.0	219.0	ft msl
pH	4.1	3.9	4.0	4.4	pH
Sp. conductance	147	119	104	60	µS/cm
Water temperature	19.0	19.3	19.9	21.3	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	2.410	1.850	1.530	588		µg/L	GE	2
		Antimony	6.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	36	24	22	8.8		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	1.980	1.470	1.550	953	J2	µg/L	GE	0
		Cerium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Chloride	3.740	2.680	2.420	2,360		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			5.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			5.4E+01			pCi/L		
		Copper	< 4.0	7.0	5.7	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E+01	< 4.0E+01		pCi/L	GP	0
		Europium-154			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Europium-155			< 3.0E+01	< 3.0E+01		pCi/L	GP	0
		Fluoride	260	260	193	137		µg/L	GE	0
		Gross alpha	1.5E+01	1.0E+01	< 2.0E+00	1.2E+01		pCi/L	GE	1
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	6.3	4.4	6.7	10		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	733	588	523	294		µg/L	GE	0
		Manganese	156	131	128	46		µg/L	GE	1
		Manganese-54			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Mercury	0.32	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	4.2	< 4.0	< 4.0	4.5		µg/L	GE	0
		Niobium-95			< 1.5E+01			pCi/L		
		Nitrate-nitrite as nitrogen	11.800	10.200	9.300	4.850		µg/L	GE	0
	■	Nonvolatile beta	1.8E+03	1.6E+03	< 2.0E+00	3.3E+02		pCi/L	GE	2
		pH	4.2	4.2	4.3	4.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	655	< 500	524	< 500		µg/L	GE	0
		Potassium-40			< 1.1E+02	< 1.1E+02		pCi/L	GP	0
		Promethium-144			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Promethium-146			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Ruthenium-106			< 9.0E+01	< 9.0E+01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 84D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Ruthenium-106			< 1.3E +02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	12,000	11,100	11,000	9,710		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	10,400	7,640	7,130	6,970		µg/L	GE	0
		Sodium-22			< 1.0E +01	< 1.0E +01		pCi/L	GP	0
		Specific conductance	130	112	90	65		µS/cm	GE	0
		Sulfate	22,900	2,970	4,450	4,530		µg/L	GE	0
		Total activity	1.3E +06	8.7E +05	7.3E +05	5.1E +05		pCi/L	EM	0
		■ Total alpha-emitting radium	2.0E +01	2.9E +01	1.7E +01	1.1E +01		pCi/L	GE	2
		Total dissolved solids	63,000	57,000	45,000	46,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	5.3	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		■ Tritium	1.3E +03	9.1E +02	7.0E +02	4.6E +02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E +01	< 6.0E +01		pCi/L	GP	0
		Zinc	37	24	26	9.0		µg/L	GE	0
		Zinc-65			< 2.0E +01	< 2.0E +01		pCi/L	GP	0
		Zirconium-95			< 2.0E +01			pCi/L		

WELL HSB 85A

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

SAMPLE DATE	01/15/92	04/16/92	07/08/92	10/09/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	169.4	169.3	169.1	169.1	ft msl
pH	7.0	6.9	6.6	6.8	pH
Sp. conductance	196	189	185	185	µS/cm
Water temperature	18.5	20.5	20.3	20.1	°C
Alkalinity as CaCO <sub>3</sub>	76	69	63	68	mg/L
Volume purged	4.0	4.0	4.0	2.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Acenaphthene	< 10	< 10				µg/L		
		Acenaphthylene	< 10	< 10				µg/L		
		Acetophenone	< 10	< 10	< 10	< 10	J1	µg/L	GE	0
		Aldrin	< 10	< 10				µg/L		
		Aluminum	< 20	< 20	< 20	43		µg/L	GE	1
		Anthracene	< 10	< 10				µg/L		
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	31	31	31	23		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		alpha-Benzene hexachloride	< 10	< 10				µg/L		
		beta-Benzene hexachloride	< 10	< 10				µg/L		
		delta-Benzene hexachloride	< 10	< 10				µg/L		
		Benzidine	< 10	< 10				µg/L		
		Benzo[a]anthracene	< 10	< 10				µg/L		
		Benzo[b]fluoranthene	< 10	< 10				µg/L		
		Benzo[k]fluoranthene	< 10	< 10				µg/L		
		Benzo[g,h,i]perylene	< 10	< 10				µg/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 85A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Benz[a]pyrene	<10	<10				µg/L		
		Bis(2-chloroethoxy) methane	<10	<10				µg/L		
		Bis(2-chloroethyl) ether	<10	<10				µg/L		
		Bis(2-chloroisopropyl) ether	<10	<10				µg/L		
		Bis(2-ethylhexyl) phthalate	<10	<10				µg/L		
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		4-Bromophenyl phenyl ether	<10	<10				µg/L		
		Butylbenzyl phthalate	<10	<10				µg/L		
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	32,800	33,500	33,200	35,800	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chlordane	<10	<10				µg/L		
•		Chloride	2,480	2,490	2,350	2,410	J6	µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		para-Chloro-meta-cresol	<10	<10				µg/L		
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloronaphthalene	<10	<10				µg/L		
		2-Chlorophenol	<10	<10				µg/L		
		4-Chlorophenyl phenyl ether	<10	<10				µg/L		
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Chrysene	<10	<10				µg/L		
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		p,p'-DDD	<10	<10				µg/L		
		p,p'-DDE	<10	<10				µg/L		
		p,p'-DDT	<10	<10				µg/L		
		Dibenz[a,h]anthracene	<10	<10				µg/L		
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Di-n-butyl phthalate	<10	<10				µg/L		
		3,3'-Dichlorobenzidine	<10	<10				µg/L		
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	2.5	1.8	2.0	<1.0		µg/L	GE	0
•		2,4-Dichlorophenol	<10	<10				µg/L		
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30	J6	µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dieldrin	<10	<10				µg/L		
		Diethyl phthalate	<10	<10				µg/L		
		2,4-Dimethyl phenol	<10	<10				µg/L		
		Dimethyl phthalate	<10	<10				µg/L		
		2,4-Dinitrophenol	<45	<45				µg/L		
		2,4-Dinitrotoluene	<10	<10				µg/L		
		2,6-Dinitrotoluene	<10	<10				µg/L		
		Di-n-octyl phthalate	<10	<10				µg/L		
		1,2-Diphenylhydrazine	<10	<10				µg/L		
		Endosulfan I	<10	<10				µg/L		
		Endosulfan II	<10	<10				µg/L		
		Endosulfan sulfate	<10	<10				µg/L		
		Endrin	<10	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Endrin aldehyde	<10	<10				µg/L		
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

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Well HSB 85A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Fluoranthene	< 10	< 10				µg/L		
		Fluorene	< 10	< 10				µg/L		
		Fluoride	< 100	< 100	< 100	145		µg/L	GE	0
		Gross alpha	3.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Heptachlor	< 10	< 10				µg/L		
		Heptachlor epoxide	< 10	< 10				µg/L		
		Hexachlorobenzene	< 10	< 10				µg/L		
		Hexachlorobutadiene	< 10	< 10				µg/L		
		Hexachlorocyclopentadiene	< 10	< 10				µg/L		
		Hexachloroethane	< 10	< 10				µg/L		
		Indeno(1,2,3-c,d)pyrene	< 10	< 10				µg/L		
		Iron	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Isophorone	< 10	< 10				µg/L		
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Lindane	< 10	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	798	816	830	861		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Methoxychlor	< 0.50	< 0.50	< 0.50	< 0.50		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol	< 10	< 10				µg/L		
		Naphthalene	< 10	< 10	< 10	< 10	J1	µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	< 50					µg/L		
		Nitrate-nitrite as nitrogen		130	< 50	< 50		µg/L	GE	0
		Nitrobenzene	< 10	< 10				µg/L		
		2-Nitrophenol	< 10	< 10				µg/L		
		4-Nitrophenol	< 10	< 10				µg/L		
		N-Nitrosodimethylamine	< 10	< 10				µg/L		
		N-Nitrosodiphenylamine	< 10	< 10				µg/L		
		N-Nitrosodipropylamine	< 10	< 10				µg/L		
		Nonvolatile beta	3.7E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		PCB 1016	< 150	< 150				µg/L		
		PCB 1221	< 150	< 150				µg/L		
		PCB 1232	< 150	< 150				µg/L		
		PCB 1242	< 150	< 150				µg/L		
		PCB 1248	< 150	< 150				µg/L		
		PCB 1254	< 150	< 150				µg/L		
		PCB 1260	< 150	< 150				µg/L		
		Pentachlorophenol	< 10	< 10				µg/L		
•		pH	7.1	7.0	6.4	6.3	J	pH	GE	0
		Phenanthrene	< 10	< 10				µg/L		
		Phenol	< 10	< 10				µg/L		
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Potassium	1,000	1,120	1,050	1,020		µg/L	GE	0
		Pyrene	< 10	< 10				µg/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	29,600	27,300	28,400	26,900		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,750	1,730	1,730	1,820		µg/L	GE	0
		Specific conductance	210	172	165	151		µS/cm	GE	0
•		Sulfate	5,390	6,080	6,090	5,340	J6	µg/L	GE	0
		1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Tetrachloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Tin	< 2.0	2.0	< 2.0	< 2.0		µg/L	GE	0
		Toluene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00	3.4E + 00		pCi/L	GE	1
		Total dissolved solids	125,000	121,000	121,000	141,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	8.6		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	137	100		µg/L	GE	0
		Toxaphene	< 10	< 0.24	< 0.24	< 0.24		µg/L	GE	0
•		2,4,5-TP (Silvex)	< 0.090	< 0.090	< 0.090	< 0.090	J6	µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

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Well HSB 85A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		1,2,4-Trichlorobenzene	<10	<10				µg/L		
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	6.5	<1.0		µg/L	GE	0
		2,4,6-Trichlorophenol	<10	<10				µg/L		
		Tritium	<7.0E-01	<7.0E-01	<7.0E-01	<7.0E-01		pCi/mL	GE	0
●		Turbidity	<0.10	<0.10	<0.10	0.44	J	NTU	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Xylenes	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Zinc	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

WELL HSB 85B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73789.3 E58953.3	33.285162 °N 81.654898 °W	143.2-133.2 ft msl	294.5 ft msl	4" PVC	S	McBean (11B <sub>1</sub> )

SAMPLE DATE	01/15/92	04/17/92	07/08/92	10/09/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	234.0	233.8	233.4	233.8	ft msl
pH	11.9	11.0	11.3	11.0	pH
Sp. conductance	613	549	513	534	µS/cm
Water temperature	17.3	20.2	20.7	20.5	°C
Alkalinity as CaCO <sub>3</sub>	139	122	119	122	mg/L
Volume purged	0.8	0.7	0.8	0.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Acenaphthene	<10	<10				µg/L		
		Acenaphthylene	<10	<10				µg/L		
		Acetophenone	<10	<10	<10	<10	J1	µg/L	GE	0
		Aldrin	<10	<10				µg/L		
		Aluminum	39	2,170	38	2,520		µg/L	GE	2
		Anthracene	<10	<10				µg/L		
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	31	44	32	38		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		alpha-Benzene hexachloride	<10	<10				µg/L		
		beta-Benzene hexachloride	<10	<10				µg/L		
		delta-Benzene hexachloride	<10	<10				µg/L		
		Benzidine	<10	<10				µg/L		
		Benzo[a]anthracene	<10	<10				µg/L		
		Benzo[b]fluoranthene	<10	<10				µg/L		
		Benzo[k]fluoranthene	<10	<10				µg/L		
		Benzo[g,h,i]perylene	<10	<10				µg/L		
		Benzo[a]pyrene	<10	<10				µg/L		
		Bis(2-chloroethoxy) methane	<10	<10				µg/L		
		Bis(2-chloroethyl) ether	<10	<10				µg/L		
		Bis(2-chloroisopropyl) ether	<10	<10				µg/L		
		Bis(2-ethylhexyl) phthalate	<10	<10				µg/L		
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		4-Bromophenyl phenyl ether	<10	<10				µg/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

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Well HSB 85B continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Butylbenzyl phthalate	<10	<10				µg/L		
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	35,200	42,200	36,300	45,800	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chlordane	<10	<10				µg/L		
●		Chloride	1,980	1,520	1,960	1,350	J6	µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		para-Chloro-meta-cresol	<10	<10				µg/L		
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	1.3		µg/L	GE	1
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloronaphthalene	<10	<10				µg/L		
		2-Chlorophenol	<10	<10				µg/L		
		4-Chlorophenyl phenyl ether	<10	<10				µg/L		
		Chromium	<4.0	4.4	<4.0	4.5		µg/L	GE	0
		Chrysene	<10	<10				µg/L		
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		p,p'-DDD	<10	<10				µg/L		
		p,p'-DDE	<10	<10				µg/L		
		p,p'-DDT	<10	<10				µg/L		
		Dibenz[a,h]anthracene	<10	<10				µg/L		
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	JE	0
		Di-n-butyl phthalate	<10	<10				µg/L		
		3,3'-Dichlorobenzidine	<10	<10				µg/L		
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	3.4	<1.0	<1.0	1.2		µg/L	GE	0
		2,4-Dichlorophenol	<10	<10				µg/L		
●		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30	J6	µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Diieldrin	<10	<10				µg/L		
		Diethyl phthalate	<10	<10				µg/L		
		2,4-Dimethyl phenol	<10	<10				µg/L		
		Dimethyl phthalate	<10	<10				µg/L		
		2,4-Dinitrophenol	<45	<45				µg/L		
		2,4-Dinitrotoluene	<10	<10				µg/L		
		2,6-Dinitrotoluene	<10	<10				µg/L		
		Di-n-octyl phthalate	<10	<10				µg/L		
		1,2-Diphenylhydrazine	<10	<10				µg/L		
		Endosulfan I	<10	<10				µg/L		
		Endosulfan II	<10	<10				µg/L		
		Endosulfan sulfate	<10	<10				µg/L		
		Endrin	<10	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Endrin aldehyde	<10	<10				µg/L		
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoranthene	<10	<10				µg/L		
		Fluorene	<10	<10				µg/L		
		Fluoride	<100	136	<100	175		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Heptachlor	<10	<10				µg/L		
		Heptachlor epoxide	<10	<10				µg/L		
		Hexachlorobenzene	<10	<10				µg/L		
		Hexachlorobutadiene	<10	<10				µg/L		
		Hexachlorocyclopentadiene	<10	<10				µg/L		

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Well HSB 85B continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Hexachloroethane	<10	<10				µg/L		
		Indenol 1,2,3-c,d/lyrene	<10	<10				µg/L		
		Iron	<4.0	<4.0	<4.0	9.5		µg/L	GE	0
		Isophorone	<10	<10				µg/L		
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<10	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	1,160	106	1,270	57		µg/L	GE	0
		Manganese	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol	<10	<10				µg/L		
		Naphthalene	<10	<10	<10	<10	J1	µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	110					µg/L		
		Nitrate-nitrite as nitrogen		500	520	80		µg/L	GE	0
		Nitrobenzene	<10	<10				µg/L		
		2-Nitrophenol	<10	<10				µg/L		
		4-Nitrophenol	<10	<10				µg/L		
		N-Nitrosodimethylamine	<10	<10				µg/L		
		N-Nitrosodiphenylamine	<10	<10				µg/L		
		N-Nitrosodipropylamine	<10	<10				µg/L		
		Nonvolatile beta	<2.0E+00	3.1E+00	<2.0E+00	3.6E+00		pCi/L	GE	0
		PCB 1016	<150	<150				µg/L		
		PCB 1221	<150	<150				µg/L		
		PCB 1232	<150	<150				µg/L		
		PCB 1242	<150	<150				µg/L		
		PCB 1248	<150	<150				µg/L		
		PCB 1254	<150	<150				µg/L		
		PCB 1260	<150	<150				µg/L		
		Pentachlorophenol	<10	<10				µg/L		
		pH	9.4	12	8.7	11	J	pH	GE	2
		Phenanthrene	<10	<10				µg/L		
		Phenol	<10	<10				µg/L		
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	884	4,840	901	5,200		µg/L	GE	0
		Pyrene	<10	<10				µg/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	18,100	11,700	17,800	10,600		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	4,480	10,300	4,280	11,200		µg/L	GE	0
		Specific conductance	215	520	175	440		µS/cm	GE	1
		Sulfate	1,770	4,440	1,580	3,740	J6	µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tin	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	91,000	158,000	149,000	158,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	2,000	1,420		µg/L	GE	0
		Total organic halogens	18	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Toxaphene	<10	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J6	µg/L	GE	0
		1,2,4-Trichlorobenzene	<10	<10				µg/L		
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2,4,6-Trichlorophenol	<10	<10				µg/L		
		Tritium	<7.0E-01	1.2E+00	1.4E+00	1.3E+00		pCi/mL	GE	0
		Turbidity	0.67	<0.10	<0.10	0.35	J	NTU	GE	0
		Vanadium	<8.0	8.9	<8.0	11		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 85B continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Xylenes	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	7.2		µg/L	GE	0

WELL HSB 85C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73802.3 E58947.4	33.285182 °N 81.654939 °W	224.2-214.2 ft msl	294.1 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/15/92	04/16/92	07/08/92	10/08/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	239.6	239.2	239.0	239.8	ft msl
pH	4.8	4.5	4.6	4.6	pH
Sp. conductance	33	32	31	31	µS/cm
Water temperature	18.1	20.6	22.0	20.5	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	3.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Acenaphthene	< 10	< 10				µg/L		
		Acenaphthylene	< 10	< 10				µg/L		
		Acetophenone	< 10	< 10	< 10	< 10	J1	µg/L	GE	0
		Aldrin	< 10	< 10				µg/L		
		Aluminum	29	33	35	80		µg/L	GE	2
		Anthracene	< 10	< 10				µg/L		
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	4.8	4.8	5.1	5.2		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		alpha-Benzene hexachloride	< 10	< 10				µg/L		
		beta-Benzene hexachloride	< 10	< 10				µg/L		
		delta-Benzene hexachloride	< 10	< 10				µg/L		
		Benzidine	< 10	< 10				µg/L		
		Benzo(a)anthracene	< 10	< 10				µg/L		
		Benzo(b)fluoranthene	< 10	< 10				µg/L		
		Benzo(k)fluoranthene	< 10	< 10				µg/L		
		Benzo(g,h,i)perylene	< 10	< 10				µg/L		
		Benzo(a)pyrene	< 10	< 10				µg/L		
		Bis(2-chloroethoxy) methane	< 10	< 10				µg/L		
		Bis(2-chloroethyl) ether	< 10	< 10				µg/L		
		Bis(2-chloroisopropyl) ether	< 10	< 10				µg/L		
		Bis(2-ethylhexyl) phthalate	< 10	< 10				µg/L		
		Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromoform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
^E*Y . . .		henyl phenyl ether	< 10	< 10				µg/L		
		Butylbenzyl phthalate	< 10	< 10				µg/L		
		Cadmium	< 2.0	< 2.0	< 0.35	< 2.0		µg/L	GE	0
		Calcium	166	158	203	147	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chlordane	< 10	< 10				µg/L		
		Chloride	2,210	2,030	151,000	1,980		µg/L	GE	0
		Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		para-Chloro-meta-cresol	< 10	< 10				µg/L		
		Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 85C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloronaphthalene	<10	<10				µg/L		
		2-Chlorophenol	<10	<10				µg/L		
		4-Chlorophenyl phenyl ether	<10	<10				µg/L		
		Chromium	<4.0	<4.0	<1.1	<4.0		µg/L	GE	0
		Chrysene	<10	<10				µg/L		
		Cobalt	<4.0	<4.0	<0.88	<4.0		µg/L	GE	0
		Copper	23	23	26	26		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		p,p'-DDD	<10	<10				µg/L		
		p,p'-DDE	<10	<10				µg/L		
		p,p'-DDT	<10	<10				µg/L		
		Dibenz[a,h]anthracene	<10	<10				µg/L		
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Di-n-butyl phthalate	<10	<10				µg/L		
		3,3'-Dichlorobenzidine	<10	<10				µg/L		
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	<1.0	1.7	5.1	<1.0		µg/L	GE	0
		2,4-Dichlorophenol	<10	<10				µg/L		
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dieldrin	<10	<10				µg/L		
		Diethyl phthalate	<10	<10				µg/L		
		2,4-Dimethyl phenol	<10	<10				µg/L		
		Dimethyl phthalate	<10	<10				µg/L		
		2,4-Dinitrophenol	<45	<45				µg/L		
		2,4-Dinitrotoluene	<10	<10				µg/L		
		2,6-Dinitrotoluene	<10	<10				µg/L		
		Di-n-octyl phthalate	<10	<10				µg/L		
		1,2-Diphenylhydrazine	<10	<10				µg/L		
		Endosulfan I	<10	<10				µg/L		
		Endosulfan II	<10	<10				µg/L		
		Endosulfan sulfate	<10	<10				µg/L		
		Endrin	<10	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Endrin aldehyde	<10	<10				µg/L		
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoranthene	<10	<10				µg/L		
		Fluorene	<10	<10				µg/L		
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E +00	<2.0E +00	2.4E +00	<2.0E +00		pCi/L	GE	0
		Heptachlor	<10	<10				µg/L		
		Heptachlor epoxide	<10	<10				µg/L		
		Hexachlorobenzene	<10	<10				µg/L		
		Hexachlorobutadiene	<10	<10				µg/L		
		Hexachlorocyclopentadiene	<10	<10				µg/L		
		Hexachloroethane	<10	<10				µg/L		
		Indeno[1,2,3-c,d]pyrene	<10	<10				µg/L		
		Iron	<4.0	<4.0	7.5	4.1		µg/L	GE	0
		Isophorone	<10	<10				µg/L		
		Lead	<3.0	<3.0	<2.0	<3.0		µg/L	GE	0
		Lindane	<10	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	102	99	103	111		µg/L	GE	0
		Manganese	2.4	2.5	2.4	2.4		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.  
 ● = exceeded holding time for 4th quarter 1992.  
 ■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 85C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol	<10	<10				µg/L	GE	0
		Naphthalene	<10	<10	<10	<10	J1	µg/L	GE	0
		Nickel	<4.0	<4.0	<3.1	<4.0		µg/L	GE	0
		Nitrate as nitrogen	1,620		2,010			µg/L		
		Nitrate-nitrite as nitrogen		1,820	1,930	1,950		µg/L	GE	0
		Nitrobenzene	<10	<10				µg/L		
		2-Nitrophenol	<10	<10				µg/L		
		4-Nitrophenol	<10	<10				µg/L		
		N-Nitrosodimethylamine	<10	<10				µg/L		
		N-Nitrosodiphenylamine	<10	<10				µg/L		
		N-Nitrosodipropylamine	<10	<10				µg/L		
		Nonvolatile beta	<2.0E+00	<2.0E+00	2.3E+00	<2.0E+00		pCi/L	GE	0
		PCB 1016	<150	<150				µg/L		
		PCB 1221	<150	<150				µg/L		
		PCB 1232	<150	<150				µg/L		
		PCB 1242	<150	<150				µg/L		
		PCB 1248	<150	<150				µg/L		
		PCB 1254	<150	<150				µg/L		
		PCB 1260	<150	<150				µg/L		
		Pentachlorophenol	<10	<10				µg/L		
		pH	5.1	4.5	4.8	4.5	J	pH	GE	0
		Phenanthrene	<10	<10				µg/L		
		Phenol	<10	<10				µg/L		
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	127	<500		µg/L	GE	0
		Pyrene	<10	<10				µg/L		
		Radium-226			6.2E-01			pCi/L		
		Radium-228			2.7E+00			pCi/L		
		Selenium	<2.0	<2.0	2.2	<2.0		µg/L	GE	0
		Silica	6,930	6,290	6,560	6,180		µg/L	GE	0
		Silver	<2.0	<2.0	<0.70	<2.0		µg/L	GE	0
		Sodium	3,710	3,690	3,950	4,070		µg/L	GE	0
		Specific conductance	42	30	35	29		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tin	<2.0	<2.0	3.7	<2.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	1.4E+00	1.8E+00		pCi/L	GE	0
		Total dissolved solids	18,000	19,000	30,000	14,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	969	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	5.0	5.1		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<20	<50		µg/L	GE	0
		Toxaphene	<10	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,2,4-Trichlorobenzene	<10	<10				µg/L		
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2,4,6-Trichlorophenol	<10	<10				µg/L		
		Tritium	2.7E+00	3.5E+00	4.1E+00	4.3E+00		pCi/mL	GE	0
		Turbidity	<0.10	<0.10	<0.10	0.16	J	NTU	GE	0
		Vanadium	<8.0	<8.0	<0.88	<8.0		µg/L	GE	0
		Xylenes	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Zinc	<2.0	<2.0	16	<2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 86A**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N72520.2 E55985.9	33.277514 °N 81.660247 °W	73.9-63.1 ft msl	262.39 ft msl	4" PVC	S	L Congaree (IIA)

<u>SAMPLE DATE</u>	01/08/92	04/28/92	07/08/92	10/07/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	169.1	169.1	168.6	169.1	ft msl
pH	6.9	6.1	6.3	6.4	pH
Sp. conductance	136	129	134	129	µS/cm
Water temperature	17.3	19.1	20.5	20.8	°C
Alkalinity as CaCO <sub>3</sub>	38	38	34	29	mg/L
Volume purged	4.0	4.0	4.0	2.5	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	< 20	< 20	< 20	48		µg/L	GE	1
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	20	23	24	19		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	21,700	21,300	22,100	23,600	J2	µg/L	GE	0
		Chloride	2,520	2,340	2,400	2,560		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	118	128	114	137		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	5.2		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	714	728	739	778		µg/L	GE	0
		Manganese	< 2.0	2.2	< 2.0	< 2.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	< 50					µg/L	GE	0
		Nitrate-nitrite as nitrogen		< 50	120	< 50		µg/L	GE	0
		Nonvolatile beta	2.3E + 00	< 2.0E + 00	2.6E + 00	< 2.0E + 00		pCi/L	GE	0
		pH	6.8	7.0	6.8	6.4	J	pH	GE	0
		Phenols	< 5.0					µg/L	GE	0
		Potassium	836	891	817	852		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	28,800	27,700	28,400	27,100	J2	µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,600	1,680	1,680	1,780		µg/L	GE	0
		Specific conductance	145	122	120	115		µS/cm	GE	0
		Sulfate	8,470	10,100	9,740	10,100		µg/L	GE	0
		Total alpha-emitting radium	1.5E + 00	< 1.0E + 00	1.1E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	93,000	102,000	105,000	90,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	7.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	230	250	235	200		µg/L	GE	0
		Tritium	2.5E + 00	< 7.0E-01	< 7.0E-01	1.8E + 00		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB 86B**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N72519.0 E55976.9	33.277497 °N 81.660269 °W	124.0-113.8 ft msl	261.89 ft msl	4" PVC	S	McBean (HIB <sub>1</sub> )

<u>SAMPLE DATE</u>	01/08/92	04/28/92	07/08/92	10/07/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	221.0	221.8	221.9	221.4	ft msl
pH	7.6	7.0	6.9	7.1	pH
Sp. conductance	224	214	220	211	µS/cm
Water temperature	19.5	19.5	22.4	21.0	°C
Alkalinity as CaCO <sub>3</sub>	80	95	87	87	mg/L
Volume purged	4.0	4.0	4.0	2.5	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	< 20	< 20	< 20	85		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	33	38	40	31		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	40,800	39,800	41,200	45,400	J2	µg/L	GE	0
		Chloride	2,630	2,370	2,530	2,570		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	126		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	833	850	867	907		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	5.2		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	< 50					µg/L		
		Nitrate-nitrite as nitrogen		110	80	< 50		µg/L	GE	0
		Nonvolatile beta	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		pH	7.5	7.7	7.2	7.1	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	500	< 500	< 500	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	37,800	35,100	37,300	35,800	J2	µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,060	2,170	2,150	2,260		µg/L	GE	0
		Specific conductance	215	200	200	198		µS/cm	GE	0
		Sulfate	2,530	2,830	2,760	2,610		µg/L	GE	0
		Total alpha-emitting radium	1.2E+00	< 1.0E+00	1.5E+00	1.1E+00		pCi/L	GE	0
		Total dissolved solids	66,000	156,000	140,000	154,000	J6	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	51		µg/L	GE	2
		Total phosphates (as P)	150	< 50	< 50	< 50		µg/L	GE	0
		Tritium	< 7.0E-01	< 7.0E-01	< 7.0E-01	< 7.0E-01		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB 86C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72529.7 E55984.6	33.277533 °N 81.660269 °W	199.4-189.4 ft msl	262.89 ft msl	4" PVC	V	Barnwell (HIB <sub>1</sub> )

SAMPLE DATE	01/08/92	04/28/92	07/08/92	10/27/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.7	224.0	223.9	223.5	ft msl
pH	4.5	3.9	4.1	4.1	pH
Sp. conductance	380	387	404	422	µS/cm
Water temperature	18.9	19.3	22.0	21.3	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	701	1,030	794	806		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	76	79	74	66		µg/L	GE	0
		Cadmium	9.8	8.9	8.3	4.7		µg/L	GE	1
		Calcium	8,890	8,630	8,800	9,060	J2	µg/L	GE	0
		Cerium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Chloride	2,620	1,990	2,020	2,440		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	53	50	43	24		µg/L	GE	1
		Cobalt-57			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			9.7E+01	4.3E+01		pCi/L	GP	0
		Cobalt-60			1.1E+02			pCi/L		
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E+01	< 4.0E+01		pCi/L	GP	0
		Europium-154			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Europium-155			< 3.0E+01	< 3.0E+01		pCi/L	GP	0
		Fluoride	258	309	326	320		µg/L	GE	0
	■	Gross alpha	2.0E+01	5.8E+01	4.7E+00	3.9E+01		pCi/L	GE	2
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	12	10	11	29		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	3,340	3,570	3,510	3,960		µg/L	GE	0
		Manganese	2,510	2,470	2,110	1,180		µg/L	GE	2
		Manganese-54			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	78	72	60	34		µg/L	GE	0
		Niobium-95			< 1.5E+01			pCi/L		
		Nitrate as nitrogen	40,400					µg/L		
	■	Nitrate-nitrite as nitrogen		39,700	45,000	52,500		µg/L	GE	2
	■	Nonvolatile beta	2.9E+02	4.4E+02	2.6E+02	5.5E+02		pCi/L	GE	2
	●	pH	4.4	4.4	4.4	4.5	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,720	2,360	1,970	1,620		µg/L	GE	0
		Potassium-40			< 1.1E+02	< 1.1E+02		pCi/L	GP	0
		Promethium-144			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Promethium-146			< 1.0E+01	< 1.0E+01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB 86C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	18,900	17,700	17,900	14,900		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	38,600	43,100	45,800	54,000	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	282	340	400	355		µS/cm	GE	1
		Sulfate	24,500	2,490	4,060	2,530		µg/L	GE	0
		Total activity	1.5E + 07	1.7E + 07	1.7E + 07	1.7E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium	1.6E + 01	2.1E + 01	1.7E + 01	1.7E + 01		pCi/L	GE	2
●		Total dissolved solids	246,000	281,000	263,000	278,000	J	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	15	60	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	1.5E + 04	1.7E + 04	1.6E + 04	1.6E + 04		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	70	66	55	39		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL HSB 86D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72522.1 E55996.5	33.277536 °N 81.660223 °W	236.6-206.6 ft msl	263 ft msl	4" PVC	V	Water table (HIB <sub>2</sub> )

SAMPLE DATE	01/08/92	04/28/92	07/08/92	10/15/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.7	224.0	223.9	223.9	ft msl
pH	3.9	3.5	3.7	3.8	pH
Sp. conductance	410	351	332	249	µS/cm
Water temperature	19.2	19.3	21.6	21.5	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	3.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	5,860	3,390	3,090	2,300		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	77	55	52	39		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	2,930	2,080	2,150	1,600		µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
●		Chloride	2,600	1,930	1,800	1,560	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	5.2		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	12	8.3	8.1	5.8		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			6.8E + 01	6.4E + 01		pCi/L	GP	1
		Cobalt-60			7.8E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB 86D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Copper	5.5	4.3	6.3	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Europium-152			<4.0E+01	<4.0E+01		pCi/L	GP	0
		Europium-154			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Europium-155			<3.0E+01	<3.0E+01		pCi/L	GP	0
		Fluoride	552	299	377	224		µg/L	GE	0
■		Gross alpha	4.4E+01	6.9E+01	<2.0E+00	2.3E+01		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L	GE	0
		Iron	19	24	22	62		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	946	822	902	760		µg/L	GE	2
		Manganese	393	304	307	234		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	12	9.1	7.9	12		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L	GE	0
		Nitrate as nitrogen	37,800					µg/L	GE	2
■		Nitrate-nitrite as nitrogen		34,200	35,000	53,200		µg/L	GE	2
■		Nonvolatile beta	2.3E+03	2.1E+03	1.3E+03	7.7E+02		pCi/L	GE	2
●		pH	3.8	3.9	3.9	4.1	J	pH	GE	0
		Phenols	<5.0					µg/L	GE	0
		Potassium	1,280	1,430	1,310	824		µg/L	GE	0
		Potassium-40			<1.1E+02	<1.1E+02		pCi/L	GP	0
		Promethium-144			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Promethium-146			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Ruthenium-106			<9.0E+01	<9.0E+01		pCi/L	GP	0
		Ruthenium-106			<1.3E+02			pCi/L	GP	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	29,700	25,700	26,300	23,400		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	31,300	37,800	34,500	30,200		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	310	298	332	240		µS/cm	GE	0
●		Sulfate	4,500	2,590	3,520	3,580	J	µg/L	GE	0
		Total activity	1.3E+07	8.5E+06	6.2E+06	3.5E+05		pCi/L	EM	0
■		Total alpha-emitting radium	7.2E+01	3.5E+01	2.7E+01	4.7E+01		pCi/L	GE	2
		Total dissolved solids	251,000	214,000	202,000	81,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	7.3	18	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	70	<50	<50	<50		µg/L	GE	0
■		Tritium	1.3E+04	8.3E+03	5.9E+03	3.1E+03		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Yttrium-88			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Zinc	69	45	45	35		µg/L	GE	0
		Zinc-65			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Zirconium-95			<2.0E+01			pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB100C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72077.2 E58806.5	33.281136 °N 81.651960 °W	163.0-173.0 ft msl	260.2 ft msl	4" PVC	S	Barnwell (HIB <sub>1</sub> )

SAMPLE DATE	01/01/92	04/02/92	07/08/92	11/06/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	226.4	226.7	226.6	226.9	ft msl
pH	5.8	4.9	5.4	5.5	pH
Sp. conductance	34	36	34	32	µS/cm
Water temperature	18.6	19.1	21.5	20.2	°C
Alkalinity as CaCO <sub>3</sub>	4	2	3	4	mg/L
Volume purged	4.0	4.0	4.0	2.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	56		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	3.3	J3	µg/L	WA	1
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	0.72	J3	µg/L	WA	0
		Calcium	3,150	3,160	3,130	3,390	J2	µg/L	GE	0
		Chloride	2,770	2,650	2,590	3,420		µg/L	WA	0
		Chromium	< 4.0	< 4.0	< 4.0	3.3	J3	µg/L	WA	0
		Cobalt	< 4.0	< 4.0	< 4.0	1.4	J3	µg/L	WA	0
		Copper	< 4.0	< 4.0	< 4.0	1.5	J3	µg/L	WA	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	127	157	121	152		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	9.0E-01		pCi/L	TM	0
		Iron	< 4.0	< 4.0	< 4.0	8.7	J3	µg/L	WA	0
		Lead	< 3.0	< 3.0	< 3.0	< 2.0		µg/L	WA	0
		Magnesium	412	409	407	430		µg/L	GE	0
		Manganese	2.6	2.6	2.8	2.9		µg/L	WA	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 3.1		µg/L	WA	0
		Nitrate as nitrogen	140		160	2,280		µg/L	WA	0
		Nitrate-nitrite as nitrogen		150	160	160		µg/L	GE	0
		Nonvolatile beta	< 2.0E+00	< 2.0E+00	< 2.0E+00	1.6E+00		pCi/L	TM	0
		pH	5.6	5.7	5.8	6.0	J	pH	WA	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	< 500	559		µg/L	WA	0
		Radium-226				< 2.4E-01		pCi/L	TM	0
		Radium-228				3.0E-01		pCi/L	TM	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	14,500	16,000	13,900	15,100		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 0.70		µg/L	WA	0
		Sodium	1,740	1,770	1,750	1,850		µg/L	WA	0
		Specific conductance	320	28	32	35		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	310		µg/L	WA	0
		Total alpha-emitting radium	1.4E+00	< 1.0E+00	< 1.0E+00	< 1.0E+00		pCi/L	GE	0
		Total dissolved solids	25,000	28,000	39,000	83,000	V	µg/L	WA	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 500		µg/L	WA	0
		Total organic halogens	57	8.1	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	440	510	481	530		µg/L	WA	0
		Tritium	1.3E+00	1.4E+00	1.3E+00	2.1E+00		pCi/mL	TM	0
		Vanadium	< 8.0	< 8.0	< 8.0	2.0	V	µg/L	WA	0
		Zinc	4.4	< 2.0	3.4	7.0	V	µg/L	WA	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB100D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N72073.8 E58796.9	33.281113 °N 81.651978 °W	236.9-216.9 ft msl	260.1 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

<u>SAMPLE DATE</u>	01/01/92	04/02/92	07/08/92	10/18/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	233.1	233.7	233.8	234.0	ft msl
pH	5.3	4.4	4.9	5.0	pH
Sp. conductance	68	68	79	78	µS/cm
Water temperature	19.4	20.1	22.4	21.1	°C
Alkalinity as CaCO <sub>3</sub>	1	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	3.6	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	< 20	< 20	20	48		µg/L	GE	1
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	25	20	22	23		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	2,020	1,310	1,370	1,340		µg/L	GE	0
		Chloride	5,400	5,090	5,050	5,020		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	40	26	28	32		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	2.2E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	73	12	15	47		µg/L	GE	0
		Lead	6.6	4.4	4.7	6.5		µg/L	GE	0
		Magnesium	759	631	677	743		µg/L	GE	0
		Manganese	36	29	33	36		µg/L	GE	1
		Mercury	0.26	0.27	0.29	0.90		µg/L	GE	0
		Nickel	7.9	< 4.0	4.8	5.1		µg/L	GE	0
		Nitrate-nitrite as nitrogen	3,400	3,120	5,000	4,650		µg/L	GE	0
		Nonvolatile beta	2.2E+01	1.9E+01	3.4E+01	2.6E+01		pCi/L	GE	1
		pH	6.2	4.9	5.2	5.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	< 500	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	8,170	8,330	7,730	7,250		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	7,820	7,090	10,300	11,100		µg/L	GE	0
		Specific conductance	60	58	60	70		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	1,230	< 1,000		µg/L	GE	0
		Total activity	3.4E+05	7.9E+05	8.8E+05	8.8E+05		pCi/L	EM	0
		Total alpha-emitting radium	1.2E+00	1.9E+00	2.0E+00	3.3E+00		pCi/L	GE	1
		Total dissolved solids	47,000	43,000	46,000	44,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	18	6.6	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		Tritium	5.0E+02	5.9E+02	8.2E+02	8.4E+02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	161	99	79	89		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB101C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72001.9 E58604.4	33.280640 °N 81.652346 °W	176.3-166.3 ft msl	258.5 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/01/92	04/02/92	07/09/92	10/06/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	225.1	225.4	225.5	225.7	ft msl
pH	6.4	5.7	6.0	5.9	pH
Sp. conductance	63	64	58	56	µS/cm
Water temperature	17.9	19.2	20.4	20.7	°C
Alkalinity as CaCO <sub>3</sub>	15	12	14	10	mg/L
Volume purged	4.0	4.0	4.0	3.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	11	17	25	16		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	6,770	6,650	7,120	6,540	J2	µg/L	GE	0
		Chloride	2,740	2,610	2,600	2,640		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	112	135	109	130		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	3.6	< 3.0		µg/L	GE	0
		Magnesium	350	336	299	361		µg/L	GE	0
		Manganese	2.2	2.4	2.3	2.2		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	630					µg/L		
		Nitrate-nitrite as nitrogen		930	880	830		µg/L	GE	0
		Nonvolatile beta	3.8E + 00	3.9E + 00	< 2.0E + 00	3.2E + 00		pCi/L	GE	0
		pH	6.1	6.2	6.2	5.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,380	2,310	3,220	1,740		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	13,200	14,700	12,900	12,500	J2	µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,520	3,370	3,910	2,980		µg/L	GE	0
		Specific conductance	580	50	50	50		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	39,000	41,000	43,000	41,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	350	200	378	330		µg/L	GE	0
		Tritium	1.2E + 01	2.0E + 01	1.6E + 01	1.4E + 01		pCi/mL	GE	1
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	4.7	< 2.0	2.7	3.2		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB101D**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71997.5 E58594.8	33.280614 °N 81.652362 °W	236.1-216.1 ft msl	258.7 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/01/92	04/02/92	07/09/92	10/14/92
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**FIELD DATA**

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	230.0	230.8	230.7	230.8	ft msl
pH	10.0	9.1	9.5	9.4	pH
Sp. conductance	630	676	679	716	µS/cm
Water temperature	19.9	20.5	21.2	23.7	°C
Alkalinity as CaCO <sub>3</sub>	110	122	157	158	mg/L
Volume purged	5.0	4.0	4.0	1.5	Well vol.

**ANALYTICAL DATA**

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	360	348	433	845		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
	■	Arsenic	81	83	< 2.0	102		µg/L	GE	2
		Barium	4.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	350	130	126	109		µg/L	GE	0
		Cerium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
	●	Chloride	2,370	2,220	1,950	1,820	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	7.2		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
	●	Cyanide	5.0	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Europium-152			< 4.0E+01	< 4.0E+01		pCi/L	GP	0
		Europium-154			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Europium-155			< 3.0E+01	< 3.0E+01		pCi/L	GP	0
		Fluoride	458	503	472	446		µg/L	GE	0
		Gross alpha	4.4E+00	2.3E+00	< 2.0E+00	3.1E+00		pCi/L	GE	0
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	13	32	19	81		µg/L	GE	0
		Lead	< 3.0	< 3.0	8.8	< 3.0		µg/L	GE	0
		Magnesium	276	131	114	121		µg/L	GE	0
		Manganese	53	15	13	5.6		µg/L	GE	0
		Manganese-54			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
	■	Mercury	4.2	2.8	2.6	5.9		µg/L	GE	2
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Niobium-95			< 1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	43,400	72,000	38,500	42,500		µg/L	GE	2
	■	Nonvolatile beta	9.0E+01	3.6E+01	2.8E+01	2.4E+01		pCi/L	GE	2
	●	pH	9.3	9.7	9.5	9.7	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	< 500	< 500		µg/L	GE	0
		Potassium-40			< 1.1E+02	< 1.1E+02		pCi/L	GP	0
		Promethium-144			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Promethium-146			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Ruthenium-106			< 9.0E+01	< 9.0E+01		pCi/L	GP	0
		Ruthenium-106			< 1.3E+02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB101D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	4,830	4,500	4,330	3,920		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	115,000	113,000	115,000	165,000		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	610	700	600	70		µS/cm	GE	0
		Sulfate	3,420	5,260	5,010	4,960	J	µg/L	GE	0
		Total activity	9.6E + 06	1.1E + 07	9.6E + 06	1.3E + 07		pCi/L	EM	0
		Total alpha-emitting radium	2.0E + 00	< 1.0E + 00	< 1.0E + 00	1.7E + 00		pCi/L	GE	0
		Total dissolved solids	430,000	409,000	435,000	446,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	8.0	18	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	2.280	2,520	2,960	3,040	J6	µg/L	GE	0
		Tritium	1.0E + 04	1.1E + 04	8.8E + 03	1.2E + 04		pCi/mL	GE	2
		Vanadium	323	300	304	506		µg/L	GE	2
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0

WELL HSB102C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71960.1 E58399.7	33.280213 °N 81.652803 °W	176.7-166.7 ft msl	259 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/01/92	04/14/92	07/09/92	10/20/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	224.3	224.6	224.5	224.9	ft msl
pH	6.0	5.4	5.7	5.9	pH
Sp. conductance	178	184	194	174	µS/cm
Water temperature	18.0	19.0	20.3	20.4	°C
Alkalinity as CaCO <sub>3</sub>	10	11	12	8	mg/L
Volume purged	4.0	4.0	4.0	5.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	22	26	28	28		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	6,290	6,340	7,080	6,450	J2	µg/L	GE	0
		Chloride	5,000	5,310	5,030	5,110		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	5.4		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	1,520	1,800	1,890	2,030		µg/L	GE	0
		Manganese	57	64	59	63		µg/L	GE	2
		Mercury	< 0.20	0.22	< 0.20	0.34		µg/L	GE	0
		Nickel	< 4.0	< 4.0	4.4	4.4		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB102C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
■		Nitrate-nitrite as nitrogen	13,400	14,400	15,200	14,200		µg/L	GE	2
●		Nonvolatile beta	8.9E+00	6.1E+00	7.8E+00	5.3E+00		pCi/L	GE	0
		pH	5.9	5.6	6.1	5.9	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	2,950	3,120	2,820	2,380		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	10,300	10,100	9,800	10,100		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	17,900	20,700	21,800	23,200		µg/L	GE	0
		Specific conductance	160	170	152	150		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total activity	2.3E+05		1.9E+05	2.0E+05		pCi/L	EM	0
		Total alpha-emitting radium	<1.0E+00	1.7E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	130,000	132,000	135,000	122,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	5.0		µg/L	GE	0
		Total phosphates (as P)	80	<50	<50	<50		µg/L	GE	0
■		Tritium	2.2E+02	2.2E+02	1.9E+02	1.9E+02		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	11	13	16	17		µg/L	GE	0

WELL HSB102D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71952.4 E58393.4	33.280186 °N 81.652805 °W	236.3-216.3 ft msl	258.6 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/01/92	04/15/92	07/20/92	10/26/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	229.0	228.1	228.3	228.2	ft msl
pH	4.0	3.8	3.4	3.4	pH
Sp. conductance	363	41	459	459	µS/cm
Water temperature	18.0	22.0	21.6	20.5	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	0.7	1.3	1.0	1.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	9,780	12,300	14,700	16,300		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Antimony-125			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	44	47	56	62		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	2.4		µg/L	GE	0
		Calcium	4,000	4,100	4,190	4,560	J2	µg/L	GE	0
		Cerium-144			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Cesium-134			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cesium-137			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Chloride	2,920	1,500	1,680	1,690		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Chromium-51			<1.2E+02			pCi/L		
		Cobalt	<4.0	4.4	5.0	6.2		µg/L	GE	0
		Cobalt-57			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cobalt-60			2.3E+02	1.3E+02		pCi/L	GP	2
		Cobalt-60			2.5E+02			pCi/L		
		Copper	13	21	28	54		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB102D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Europium-152			<4.0E+01	<4.0E+01		pCi/L	GP	0
		Europium-154			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Europium-155			<3.0E+01	<3.0E+01		pCi/L	GP	0
		Fluoride	230	421	322	274		µg/L	GE	0
	■	Gross alpha	8.0E+01	2.2E+02	<2.0E+00	1.7E+02		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	244	96	77	255		µg/L	GE	1
	■	Lead	38	31	24	29		µg/L	GE	2
		Magnesium	1,150	1,160	1,430	1,490		µg/L	GE	0
		Manganese	551	764	1,060	1,250		µg/L	GE	2
	■	Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Mercury	0.74	3.3	3.5	3.6		µg/L	GE	2
		Nickel	20	23	26	34		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	40,000	42,000	46,000	51,000		µg/L	GE	2
	■	Nonvolatile beta	4.2E+03	7.5E+03	7.0E+03	3.0E+03		pCi/L	GE	2
		pH	4.0	3.6	3.6	3.7	J	pH	GE	2
		Phenols	<5.0					µg/L		
		Potassium	1,590	1,670	1,570	1,620		µg/L	GE	0
		Potassium-40			<1.1E+02	<1.1E+02		pCi/L	GP	0
		Promethium-144			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Promethium-146			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Ruthenium-106			<9.0E+01	<9.0E+01		pCi/L	GP	0
		Ruthenium-106			<1.3E+02			pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	13,100	14,800	14,700	13,600		µg/L	GE	0
		Silica, total			<100	13,800		µg/L	GE	2
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	10,100	13,500	12,400	13,200	J2	µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	260	380	392	430		µS/cm	GE	1
		Sulfate	5,360	1,560	1,880	2,690		µg/L	GE	0
		Total activity	1.5E+07	1.4E+07	1.2E+07	1.1E+07		pCi/L	EM	0
	■	Total alpha-emitting radium	7.3E+01	7.2E+01	1.4E+00	4.3E+01		pCi/L	GE	2
		Total dissolved solids	122,000	180,000	150,000	161,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	350	70	<50	<50		µg/L	GE	0
		Tributyl phosphate			<10	<10	J1	µg/L	GE	0
	■	Tritium	1.0E+04	1.5E+04	1.1E+04	9.9E+03		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Yttrium-88			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Zinc	74	129	136	135		µg/L	GE	0
		Zinc-65			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Zirconium-95			<2.0E+01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB103C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71593.9 E58323.6	33.279279 °N 81.652293 °W	169.2-159.2 ft msl	247.4 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/06/92	04/02/92	07/09/92	10/06/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.4	223.7	223.6	224.3	ft msl
pH	5.0	4.7	4.8	4.8	pH
Sp. conductance	223	229	231	215	µS/cm
Water temperature	18.6	18.9	20.5	20.7	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	169	173	184	197		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	65	64	66	70		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	6,970	6,790	7,450	7,370	J2	µg/L	GE	0
		Chloride	5,950	5,440	5,000	5,220		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	10	10	12	13		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	113	107	<100	127		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	3.5E+00	7.2E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	4.0	5.4		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	5,290	5,240	5,280	5,560		µg/L	GE	0
		Manganese	441	440	496	520		µg/L	GE	2
		Mercury	0.92	<0.20	1.5	1.0		µg/L	GE	1
		Nickel	5.2	7.4	8.7	6.3		µg/L	GE	0
■		Nitrate-nitrite as nitrogen	22,800	22,000	24,000	24,000		µg/L	GE	2
●		Nonvolatile beta	2.2E+01	2.9E+01	2.1E+01	2.3E+01		pCi/L	GE	0
		pH	5.2	5.1	5.3	5.0	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	1,410	1,400	1,400	1,290		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	10,400	11,200	10,200	9,830	J2	µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	21,100	21,400	21,900	23,600		µg/L	GE	0
		Specific conductance	225	200	190	198		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total activity	8.4E+05	8.0E+05	7.6E+05	7.1E+05		pCi/L	EM	0
		Total alpha-emitting radium	1.5E+00	1.7E+00	1.8E+00	3.2E+00		pCi/L	GE	1
		Total dissolved solids	146,000	161,000	166,000	137,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	6.5	5.3		µg/L	GE	0
		Total phosphates (as P)	<50	<50	78	<50		µg/L	GE	0
■		Tritium	8.2E+02	8.1E+02	7.3E+02	7.1E+02		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	20	18	20	19		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB103D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71588.1 E58315.6	33.279253 °N 81.652302 °W	233.7-213.7 ft msl	247.6 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

<u>SAMPLE DATE</u>	01/06/92	04/02/92	07/09/92	10/14/92
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FIELD DATA

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	224.7	225.6	225.6	225.5	ft msl
pH	4.3	4.0	4.0	4.2	pH
Sp. conductance	206	216	209	215	μS/cm
Water temperature	20.7	19.9	21.4	21.6	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	4.1	Well vol.

ANALYTICAL DATA

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	682	704	784	1,670		μg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		μg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	75	< 2.0		μg/L	GE	0
		Barium	28	27	32	42		μg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		μg/L	GE	0
		Calcium	924	859	1,090	1,230		μg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Chloride	4,920	4,620	4,180	4,160	J	μg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	4.6		μg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		μg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Copper	< 4.0	< 4.0	< 4.0	< 4.0		μg/L	GE	0
		Cyanide	5.0	< 5.0	< 5.0	< 5.0	J	μg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	< 100	< 100	107	103		μg/L	GE	0
■		Gross alpha	8.0E + 00	2.1E + 01	1.5E + 01	2.5E + 01		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	11	10	15	111		μg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		μg/L	GE	0
		Magnesium	1,320	1,310	1,490	1,560		μg/L	GE	0
		Manganese	151	148	215	267		μg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
■		Mercury	2.3	1.8	1.7	2.8		μg/L	GE	2
		Nickel	< 4.0	< 4.0	< 4.0	7.3		μg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
■		Nitrate-nitrite as nitrogen	20,000	20,000	21,000	20,500		μg/L	GE	2
■		Nonvolatile beta	4.3E + 02	4.3E + 02	4.7E + 02	8.1E + 02		pCi/L	GE	2
•		pH	4.4	4.5	4.5	4.4	J	pH	GE	0
		Phenols	< 5.0					μg/L		
		Potassium	863	843	1,000	1,000		μg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB103D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	7,950	8,280	8,020	7,650		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	28,000	27,100	27,200	29,700		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	158	215	192	208		µS/cm	GE	0
		Sulfate	17,100	< 1,000	1,670	1,660	J	µg/L	GE	0
		Total activity	5.5E + 06	4.6E + 06	3.5E + 06	2.8E + 06		pCi/L	EM	0
		Total alpha-emitting radium	1.9E + 01	1.2E + 01	1.2E + 01	3.0E + 01		pCi/L	GE	2
		Total dissolved solids	142,000	137,000	142,000	156,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	21	18	< 5.0	6.9		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		Tritium	5.2E + 03	4.3E + 03	3.4E + 03	2.6E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	4.7	3.6	8.0	7.7		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L	GP	0

WELL HSB104C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71376.8 E58082.6	33.278406 °N 81.652506 °W	173.5-163.5 ft msl	247.9 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/06/92	04/02/92	07/09/92	10/06/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	220.5	220.9	220.8	220.7	ft msl
pH	7.5	9.5	9.6	10.4	pH
Sp. conductance	140	171	176	208	µS/cm
Water temperature	18.3	19.3	20.4	20.5	°C
Alkalinity as CaCO <sub>3</sub>	32	36	43	47	mg/L
Volume purged	7.0	5.0	4.0	2.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	204	363	398	425		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	42	53	59	67		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	11,300	14,600	16,900	21,700	J2	µg/L	GE	0
		Chloride	3,680	3,590	3,350	3,440		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	4.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	946	867	779	617		µg/L	GE	0
		Manganese	20	17	14	11		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB104C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Nitrate-nitrite as nitrogen	5,600	5,700	5,400	6,500		µg/L	GE	1
		Nonvolatile beta	2.9E+01	2.2E+01	2.4E+01	3.1E+01		pCi/L	GE	1
•		pH	7.6	9.2	9.7	9.8	J	pH	GE	1
		Phenols	<5.0					µg/L		
		Potassium	6,160	7,080	7,800	8,680		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	12,400	13,600	12,200	12,200	J2	µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	9,440	10,300	10,600	11,800		µg/L	GE	0
		Specific conductance	135	147	145	150		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total activity	3.0E+05	2.8E+05	2.8E+05	2.6E+05		pCi/L	EM	0
		Total alpha-emitting radium	<1.0E+00	1.2E+00	<1.0E+00	2.8E+00		pCi/L	GE	1
		Total dissolved solids	87,000	103,000	110,000	94,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	7.8	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
■		Tritium	3.0E+02	2.9E+02	2.6E+02	2.6E+02		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	2.9	<2.0	<2.0	<2.0		µg/L	GE	0

WELL HSB104D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71370.2 E58075.8	33.278380 °N 81.652511 °W	230.6-210.6 ft msl	247.8 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/06/92	04/02/92	07/09/92	10/14/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	224.3	225.2	225.3	225.2	ft msl
pH	4.0	4.0	3.9	4.0	pH
Sp. conductance	265	249	184	216	µS/cm
Water temperature	18.9	18.9	20.6	21.5	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	7.7	4.0	4.0	2.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	7,720	5,470	5,130	6,400		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Antimony-125			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	69	55	50	46		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	2,330	1,580	1,470	1,660		µg/L	GE	0
		Cerium-144			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Cesium-134			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cesium-137			<1.0E+01	<1.0E+01		pCi/L	GP	0
•		Chloride	2,160	1,980	1,820	1,400	J	µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Chromium-51			<1.2E+02			pCi/L		
		Cobalt	9.2	5.7	5.5	6.1		µg/L	GE	0
		Cobalt-57			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cobalt-60			3.5E+01	5.8E+01		pCi/L	GP	1
		Copper	12	8.5	7.4	8.6		µg/L	GE	0
•		Cyanide	<5.0	<5.0	<5.0	<5.0	J	µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB104D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	312	279	254	282		µg/L	GE	0
	■	Gross alpha	2.3E + 01	2.7E + 01	3.5E + 01	3.5E + 01		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	221	68	34	53		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	861	731	712	728		µg/L	GE	0
		Manganese	576	462	355	384		µg/L	GE	2
	■	Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	3.6	2.3	0.34	2.8		µg/L	GE	2
		Nickel	10	11	7.4	8.5		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	22,800	23,000	17,600	21,500		µg/L	GE	2
	■	Nonvolatile beta	2.9E + 03	2.5E + 03	1.7E + 03	2.9E + 03		pCi/L	GE	2
	●	pH	4.0	4.2	4.2	4.2	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	614	572	540	< 500		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	14,600	13,000	10,900	12,500		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	8,000	17,400	10,000	16,200		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	195	260	150	210		µS/cm	GE	0
	●	Sulfate	67,400	4,890	5,170	7,990	J	µg/L	GE	0
		Total activity	2.8E + 06	2.5E + 06	6.9E + 05	2.5E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	3.8E + 01	1.8E + 01	1.1E + 01	4.3E + 01		pCi/L	GE	2
	●	Total dissolved solids	101,000	126,000	91,000	105,000	J6V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	8.3	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	2.8E + 03	2.6E + 03	6.9E + 02	2.5E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	38	26	24	30		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB105C**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71447.3 E57883.8	33.278237 °N 81.653166 °W	162.2-152.2 ft msl	249.5 ft msl	4" PVC	S	Barnwell (11B <sub>1</sub> )

<u>SAMPLE DATE</u>	01/01/92	04/02/92	07/10/92	10/07/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	219.5	219.9	219.7	219.6	ft msl
pH	6.2	5.6	5.8	5.9	pH
Sp. conductance	82	87	84	81	µS/cm
Water temperature	17.8	18.3	20.0	19.9	°C
Alkalinity as CaCO <sub>3</sub>	14	11	14	14	mg/L
Volume purged	4.0	4.0	4.0	3.8	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	<20	<20	18	<20		µg/L	GE	0
		Antimony	<2.0	<2.0	2.8	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	4.6	6.9	7.3	4.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<0.35	<2.0		µg/L	GE	0
		Calcium	9,080	8,550	9,980	9,840	J2	µg/L	GE	0
		Chloride	3,680	3,490	3,400	3,370		µg/L	GE	0
		Chromium	<4.0	<4.0	30	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<0.88	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	3.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	2.4E+00	<2.0E+00	1.9E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	5.0	4.7		µg/L	GE	0
		Lead	<3.0	<3.0	2.1	<3.0		µg/L	GE	0
		Magnesium	833	843	894	895		µg/L	GE	0
		Manganese	3.1	3.1	3.3	3.5		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<4.0	<4.0	<3.1	<4.0		µg/L	GE	0
		Nitrate as nitrogen	3,160		2,990			µg/L		
		Nitrate-nitrite as nitrogen		3,450	3,500	3,650		µg/L	GE	0
		Nonvolatile beta	3.0E+00	1.4E+01	6.9E+00	2.0E+00		pCi/L	GE	0
		pH	5.9	5.8	6.4	6.1	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	1,350	2,430	1,570	1,380		µg/L	GE	0
		Radium-226			8.2E-01			pCi/L		
		Radium-228			1.3E+00			pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	12,500	12,700	13,000	11,900	J2	µg/L	GE	0
		Silver	<2.0	<2.0	3.3	<2.0		µg/L	GE	0
		Sodium	2,770	3,540	3,150	3,150		µg/L	GE	0
		Specific conductance	780	65	73	70		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	51,000	66,000	69,000	54,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	718	<1,000		µg/L	GE	0
		Total organic halogens	18	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	130	410	231	160		µg/L	GE	0
		Tritium	1.1E+02	1.0E+02	1.0E+02	9.3E+01		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<0.88	<8.0		µg/L	GE	0
		Zinc	18	20	25	18		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB105D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71454.8 E57877.4	33.278244 °N 81.653197 °W	231.8-211.8 ft msl	249.5 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/01/92	04/02/92	07/15/92	10/26/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	224.8	225.6	225.3	225.1	ft msl
pH	4.0	3.8	3.7	3.7	pH
Sp. conductance	389	537	340	326	µS/cm
Water temperature	18.9	19.2	19.9	21.7	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.9	6.2	4.1	2.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	8,520	8,940	5,900	6,110		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	79	120	63	80		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	3,420	3,380	2,680	2,380	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Chloride	2,500	1,810	1,660	1,950		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	13	10.0	9.1	8.1		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			3.9E + 01	4.5E + 01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	804	877	650	604		µg/L	GE	0
	■	Gross alpha	2.8E + 01	5.4E + 01	5.3E + 01	1.1E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	74	74	74	48		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	1,430	1,750	1,370	999		µg/L	GE	0
		Manganese	528	614	472	392		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
	■	Mercury	2.8	4.6	5.4	3.8		µg/L	GE	2
		Nickel	11	11	13	7.0		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	40,000	58,000	36,500	41,000		µg/L	GE	2
	■	Nonvolatile beta	4.6E + 03	4.9E + 03	3.2E + 03	3.0E + 03		pCi/L	GE	2
		pH	4.2	3.8	4.1	4.0	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,150	1,680	1,090	1,050		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB105D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	7,520	8,190	7,310	7,370		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	22,600	40,100	28,000	35,600	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	315	600	280	320		µS/cm	GE	1
		Sulfate	20,600	2,830	3,810	4,480		µg/L	GE	0
		Total activity	5.2E + 06	8.0E + 06	6.2E + 06	5.6E + 06		pCi/L	EM	0
■		Total alpha-emitting radium	5.4E + 01	5.7E + 01	2.6E + 01	3.8E + 01	V	pCi/L	GE	2
		Total dissolved solids	157,000	287,000	163,000	182,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	1,140		µg/L	GE	0
		Total organic halogens	6.1	5.7	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
■		Tritium	5.1E + 03	7.7E + 03	5.5E + 03	5.0E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	77	55	45	52		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0

WELL HSB106C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71720.9 E57651.5	33.278464 °N 81.654309 °W	168.7-158.7 ft msl	252.9 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/01/92	04/14/92	07/15/92	10/08/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.5	221.7	221.7	221.7	ft msl
pH	5.9	5.3	5.7	5.5	pH
Sp. conductance	95	100	97	93	µS/cm
Water temperature	18.3	19.0	19.5	19.4	°C
Alkalinity as CaCO <sub>3</sub>	4	4	5	4	mg/L
Volume purged	4.0	4.0	4.0	4.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	15	17	15	15		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromoform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	5,950	6,120	5,710	6,470	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
●		Chloride	3,860	3,920	3,800	3,780	J	µg/L	GE	0
		Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroform	2.6	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB106C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	1.1	<1.0	1.5	1.4		µg/L	GE	0
●		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30	J6	µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	4.8	<4.0		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	1,130	1,110	1,080	1,180		µg/L	GE	0
		Manganese	7.8	7.5	7.6	7.7		µg/L	GE	0
		Mercury	0.67	0.79	0.84	0.55		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	7,000	7,400	7,350	7,400		µg/L	GE	1
		Nonvolatile beta	4.9E+00	2.8E+00	3.9E+00	4.0E+00		pCi/L	GE	0
●		pH	5.6	5.8	5.9	5.7	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	592	779	731	583		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	11,400	10,400	10,600	10,200		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	7,480	7,770	7,290	8,080		µg/L	GE	0
		Specific conductance	90	98	90	78		µS/cm	GE	0
●		Sulfate	<1,000	<1,000	<1,000	<1,000	J	µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
■		Tetrachloroethylene	5.2	5.7	4.8	6.6		µg/L	GE	2
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity	3.6E+05	3.4E+05	3.4E+05	3.4E+05		pCi/L	EM	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	79,000	76,000	107,000	76,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	21	18	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
●		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J6	µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
■		Tritium	3.8E+02	3.6E+02	3.1E+02	3.2E+02		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	7.8	7.3	8.6	7.5		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB106D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71727.8 E57644.8	33.278468 °N 81.654340 °W	230.7-210.7 ft msl	252.9 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE    01/01/92                              04/14/92                              07/15/92                              10/14/92

FIELD DATA

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	225.2	225.6	225.7	225.9	ft msl
pH	4.3	3.7	4.0		pH
Sp. conductance	124	126	120		μS/cm
Water temperature	18.6	18.5	19.7		°C
Alkalinity as CaCO <sub>3</sub>	0	0	0		mg/L
Volume purged	4.0	4.0	5.0		Well vol.

ANALYTICAL DATA

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	705	530	486			μg/L		
		Antimony	< 2.0	< 2.0	< 2.0			μg/L		
		Antimony-125			< 2.0E + 01			pCi/L		
		Arsenic	< 2.0	< 2.0	< 2.0			μg/L		
		Barium	37	33	29			μg/L		
		Cadmium	< 2.0	< 2.0	< 2.0			μg/L		
		Calcium	1,740	1,490	1,310			μg/L		
		Cerium-144			< 6.0E + 01			pCi/L		
		Cesium-134			< 1.0E + 01			pCi/L		
		Cesium-137			< 1.0E + 01			pCi/L		
		Chloride	2,270	2,040	2,120			μg/L		
		Chromium	< 4.0	< 4.0	< 4.0			μg/L		
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	8.4	7.5	7.0			μg/L		
		Cobalt-57			< 1.0E + 01			pCi/L		
		Cobalt-60			< 1.0E + 01			pCi/L		
		Copper	5.3	< 4.0	4.1			μg/L		
		Cyanide	< 5.0	< 5.0	< 5.0			μg/L		
		Europium-152			< 4.0E + 01			pCi/L		
		Europium-154			< 2.0E + 01			pCi/L		
		Europium-155			< 3.0E + 01			pCi/L		
		Fluoride	125	113	< 100			μg/L		
		Gross alpha	7.7E + 00	< 2.0E + 00	< 2.0E + 00			pCi/L		
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	168	59	53			μg/L		
		Lead	< 3.0	< 3.0	< 3.0			μg/L		
		Magnesium	1,230	974	877			μg/L		
		Manganese	233	211	195			μg/L		
		Manganese-54			< 1.0E + 01			pCi/L		
		Mercury	0.53	0.57	0.84			μg/L		
		Nickel	8.4	7.4	9.9			μg/L		
		Niobium-95			< 1.5E + 01			pCi/L		
		Nitrate-nitrite as nitrogen	11,400	24,000	11,500			μg/L		
		Nonvolatile beta	6.6E + 02	6.8E + 02	4.9E + 02			pCi/L		
		pH	4.1	4.4	4.3			pH		
		Phenols	< 5.0					μg/L		
		Potassium	< 500	< 500	< 500			μg/L		
		Potassium-40			< 1.1E + 02			pCi/L		
		Promethium-144			< 1.0E + 01			pCi/L		
		Promethium-146			< 1.0E + 01			pCi/L		
		Ruthenium-106			< 9.0E + 01			pCi/L		
		Ruthenium-106			< 1.3E + 02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB106D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0			µg/L		
		Silica	10,000	9,420	8,300			µg/L		
		Silver	< 2.0	< 2.0	< 2.0			µg/L		
		Sodium	12,400	14,700	14,600			µg/L		
		Sodium-22			< 1.0E+01			pCi/L		
		Specific conductance	120	130	122			µS/cm		
		Sulfate	8,680	2,570	3,100			µg/L		
		Total activity	1.3E+06	1.1E+06	1.2E+06			pCi/L		
		Total alpha-emitting radium	9.7E+00	8.4E+00	7.9E+00			pCi/L		
		Total dissolved solids	77,000	94,000	91,000			µg/L		
		Total organic carbon	< 1,000	< 1,000	< 1,000			µg/L		
		Total organic halogens	< 5.0	< 5.0	< 5.0			µg/L		
		Total phosphates (as P)	70	< 50	< 50			µg/L		
		Tritium	1.2E+03	1.1E+03	1.1E+03			pCi/mL		
		Vanadium	< 8.0	< 8.0	< 8.0			µg/L		
		Yttrium-88			< 6.0E+01			pCi/L		
		Zinc	23	18	20			µg/L		
		Zinc-65			< 2.0E+01			pCi/L		
		Zirconium-95			< 2.0E+01			pCi/L		

WELL HSB107C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71698.5 E57432.0	33.278056 °N 81.654844 °W	169.3-159.3 ft msl	261.6 ft msl	4" PVC	S	Barnwell (IB <sub>1</sub> )

SAMPLE DATE	01/06/92	04/14/92	07/15/92	10/08/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	219.0	219.3	219.2	219.2	ft msl
pH	6.9	6.4	6.5	6.9	pH
Sp. conductance	155	162	158	158	µS/cm
Water temperature	18.9	19.1	21.0	20.3	°C
Alkalinity as CaCO <sub>3</sub>	42	45	42	42	mg/L
Volume purged	4.0	4.0	4.0	2.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	24	20	49		µg/L	GE	1
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	2.6		µg/L	GE	0
		Barium	44	46	43	36		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	15,200	15,300	15,200	17,200	J2	µg/L	GE	0
		Chloride	3,500	3,280	3,200	3,630	J6	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	136	157	149	120		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	293	283	219	163		µg/L	GE	1
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	858	850	860	758		µg/L	GE	0
		Manganese	421	392	378	292		µg/L	GE	2
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	8.0	< 4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB107C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Nitrate-nitrite as nitrogen	4,400	4,900	5,050	5,500		µg/L	GE	1
		Nonvolatile beta	1.2E+02	1.3E+01	1.1E+01	8.1E+00		pCi/L	GE	0
•		pH	7.2	7.1	7.0	6.8	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	2,770	2,930	2,590	2,750		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	10,900	11,300	10,500	9,900		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	11,200	11,000	10,100	11,600		µg/L	GE	0
		Specific conductance	150	155	150	140		µS/cm	GE	0
•		Sulfate	<1,000	<1,000	<1,000	1,000	J6	µg/L	GE	0
		Total activity	4.4E+05	4.0E+05	3.9E+05	4.2E+05		pCi/L	EM	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	1.2E+00	1.5E+00		pCi/L	GE	0
		Total dissolved solids	90,000	92,000	100,000	116,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	200	190	220	190		µg/L	GE	0
■		Tritium	4.4E+02	4.2E+02	3.7E+02	4.1E+02		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	4.5	3.9	8.5	5.4		µg/L	GE	0

WELL HSB107D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71696.6 E57412.2	33.278019 °N 81.654892 °W	235.1-215.1 ft msl	262.3 ft msl	4" PVC	V	Water table (11B <sub>2</sub> )

SAMPLE DATE	01/06/92	04/14/92	07/15/92	10/14/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	224.1	224.5	224.6	224.8	ft msl
pH	4.7	4.2	4.6	4.6	pH
Sp. conductance	319	261	290	253	µS/cm
Water temperature	18.6	19.2	20.4	21.4	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	3.9	4.0	4.0	2.3	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	358	441	406	103		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Antimony-125			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	63	52	56	59		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	4,290	3,310	3,680	4,110		µg/L	GE	0
		Cerium-144			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Cesium-134			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cesium-137			<1.0E+01	<1.0E+01		pCi/L	GP	0
•		Chloride	4,160	3,180	3,370	3,620	J	µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Chromium-51			<1.2E+02			pCi/L		
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt-57			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cobalt-60			3.2E+01	2.9E+01		pCi/L	GP	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
•		Cyanide	<5.0	<5.0	<5.0	<5.0	J	µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB107D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	< 100	168	138	< 100		µg/L	GE	0
	■	Gross alpha	9.0E + 00	1.7E + 01	3.1E + 01	5.1E + 01		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	26	14	10	17		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	3,150	2,430	2,930	3,420		µg/L	GE	0
		Manganese	190	180	183	181		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	1.2	3.5	2.1	1.9		µg/L	GE	1
		Nickel	5.0	4.4	6.1	4.3		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	32,600	28,000	26,000	24,500		µg/L	GE	2
	■	Nonvolatile beta	2.0E + 03	3.2E + 03	3.2E + 03	2.2E + 03		pCi/L	GE	2
●		pH	5.0	4.7	4.9	5.0	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,290	1,400	1,280	1,150		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	9,370	9,120	8,920	8,680		µg/L	GE	0
		Silica, total			9,130	8,760		µg/L	GE	2
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	37,900	31,100	30,700	33,600		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	225	730	198	235		µS/cm	GE	0
●		Sulfate	3,500	< 1,000	< 1,000	< 1,000	J	µg/L	GE	0
		Total activity	6.9E + 06	4.3E + 06	3.7E + 06	3.7E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	3.4E + 01	8.1E + 01	1.8E + 01	2.8E + 01		pCi/L	GE	2
		Total dissolved solids	217,000	207,000	173,000	172,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	9.6	5.2		µg/L	GE	0
		Total phosphates (as P)	50	60	< 50	< 50		µg/L	GE	0
●		Tributyl phosphate			< 10	< 10	J6	µg/L	GE	0
	■	Tritium	6.5E + 03	4.6E + 03	3.3E + 03	3.5E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	16	13	13	11		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB108C**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71688.7 E57155.5	33.277583 °N 81.655553 °W	196.0-186.0 ft msl	266.2 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

<u>SAMPLE DATE</u>	01/02/92	04/14/92	07/15/92	10/08/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	218.4	218.5	218.2	218.4	ft msl
pH	7.3	6.6	6.7	6.9	pH
Sp. conductance	169	169	166	161	µS/cm
Water temperature	19.0	19.9	20.8	20.1	°C
Alkalinity as CaCO <sub>3</sub>	54	54	56	52	mg/L
Volume purged	5.0	4.0	4.0	4.3	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	< 20	< 20	< 20	47		µg/L	GE	1
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	3.3	8.2	7.9	< 3.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	27,300	26,100	25,700	27,100	J2	µg/L	GE	0
•		Chloride	2,920	2,820	2,710	2,810	J6	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	207	260	268	243		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	25		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	2,050	2,220	2,270	2,460		µg/L	GE	0
		Manganese	< 2.0	< 2.0	2.4	10		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	4.3	< 4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	2,400	3,100	32,000	2,640		µg/L	GE	0
		Nonvolatile beta	5.8E + 00	3.0E + 00	6.4E + 00	4.0E + 00		pCi/L	GE	0
•		pH	6.9	7.3	7.2	6.8	J	pH	GE	0
		Phenols	< 5.0					µg/L	GE	0
		Potassium	< 500	537	514	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	12,300	12,600	12,000	11,300		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,960	3,010	3,000	3,210		µg/L	GE	0
•		Specific conductance	160	170	160	145		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000	J6	µg/L	GE	0
		Total activity	3.6E + 05	3.5E + 05	3.5E + 05	3.3E + 05		pCi/L	EM	0
		Total alpha-emitting radium	1.8E + 00	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	107,000	108,000	115,000	10,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	29	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	340	270	310	320		µg/L	GE	0
■		Tritium	3.6E + 02	3.6E + 02	3.3E + 02	3.1E + 02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	4.6	3.3	7.6	5.2		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB108D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71688.0 E57145.6	33.277566 °N 81.655577 °W	232.0-212.0 ft msl	266.3 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/02/92	04/14/92	07/15/92	10/14/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.9	223.3	223.5	223.5	ft msl
pH	4.5	4.2	4.0	4.3	pH
Sp. conductance	288	279	257	223	µS/cm
Water temperature	18.6	20.7	21.7	22.9	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	3.9	4.0	4.0	3.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	1,830	1,790	2,210	1,710		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	105	74	67	73		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	4,950	3,960	4,310	4,530		µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
	●	Chloride	2,160	1,640	1,590	1,490	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	10	8.9	9.4	9.0		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			1.5E + 02	1.1E + 02		pCi/L	GP	2
		Cobalt-60			1.4E + 02			pCi/L		
	●	Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	5.0	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	313	495	186	327		µg/L	GE	0
	■	Gross alpha	3.1E + 01	3.3E + 01	4.9E + 01	2.8E + 01		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	71	29	39	36		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	1,710	1,390	1,480	1,610		µg/L	GE	0
		Manganese	672	604	665	629		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
	■	Mercury	4.1	2.8	5.0	4.0		µg/L	GE	2
		Nickel	19	14	19	20		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	29,400	29,000	26,500	23,000		µg/L	GE	2
	■	Nonvolatile beta	6.8E + 03	6.3E + 03	5.9E + 03	4.9E + 03		pCi/L	GE	2
	●	pH	4.7	4.4	4.4	4.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,980	1,860	1,680	1,380		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB108D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	8,670	9,080	8,970	8,830		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	27,200	28,100	22,800	25,200		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	210	250	215	225		µS/cm	GE	0
		Sulfate	42,700	7,530	5,780	4,080	J	µg/L	GE	0
		Total activity	5.5E + 06	4.6E + 06	2.7E + 06	2.5E + 06		pCi/L	EM	0
		Total alpha-emitting radium	8.2E + 01	1.4E + 02	3.6E + 01	6.9E + 01		pCi/L	GE	2
		Total dissolved solids	190,000	231,000	98,000	146,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	15	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	50	< 50	< 50		µg/L	GE	0
		Tritium	6.0E + 03	4.9E + 03	2.6E + 03	2.4E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	46	39	44	49		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		0

WELL HSB109C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71684.8 E56895.6	33.277151 °N 81.656229 °W	178.4-168.4 ft msl	261.6 ft msl	4" PVC	S	Barnwell (HIB <sub>1</sub> )

SAMPLE DATE	02/10/92	04/14/92	07/15/92	10/09/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	218.8	218.8	218.7	218.9	ft msl
pH	5.1	5.8	5.9	5.8	pH
Sp. conductance	56	58	56	54	µS/cm
Water temperature	19.0	19.7	20.5	20.2	°C
Alkalinity as CaCO <sub>3</sub>	11	11	12	11	mg/L
Volume purged	4.0	4.0	4.0	2.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	40	< 20	< 20	< 15		µg/L	WA	0
		Antimony	2.8	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	9.8	9.3	8.9	9.3	J3	µg/L	WA	0
		Cadmium	< 0.35	< 2.0	< 2.0	0.63	J3	µg/L	WA	0
		Calcium	6.010	5,400	5,340	5,350	J2	µg/L	GE	0
		Chloride	3,630	2,740	2,720	2,950	J6	µg/L	GE	0
		Chromium	3.2	< 4.0	< 4.0	2.1	J3	µg/L	WA	0
		Cobalt	< 0.88	< 4.0	< 4.0	< 0.88		µg/L	WA	0
		Copper	< 1.1	< 4.0	< 4.0	1.4	J3	µg/L	WA	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	125	130	101	127		µg/L	GE	0
		Gross alpha	4.0E-01	< 2.0E + 00	< 2.0E + 00	9.0E-01		pCi/L	TM	0
		Iron	17	< 4.0	< 4.0	9.7		µg/L	WA	0
		Lead	< 2.0	< 3.0	< 3.0	6.4	J3	µg/L	WA	0
		Magnesium	373	341	332	370		µg/L	GE	0
		Manganese	2.9	2.4	2.2	2.3		µg/L	WA	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB109C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Nickel	< 3.1	< 4.0	< 4.0	< 3.1		µg/L	WA	0
		Nitrate as nitrogen	1,570			278		µg/L	WA	0
		Nitrate-nitrite as nitrogen		1,450	1,400	1,600		µg/L	GE	0
		Nonvolatile beta	4.4E+00	2.5E+00	< 2.0E+00	2.3E+00		pCi/L	GE	0
●		pH	6.4	6.5	6.3	6.8	J	pH	WA	0
		Phenols	9.9					µg/L		
		Potassium	553	632	< 500	845	V	µg/L	WA	0
		Radium-226	3.0E-01			< 2.7E-01		pCi/L	TM	0
		Radium-228	9.0E-01			1.3E+00		pCi/L	TM	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	11,400	11,000	11,100	10,400	V	µg/L	WA	0
		Silicon	5,190					µg/L		
		Silver	< 0.70	< 2.0	< 2.0	< 0.70		µg/L	WA	0
		Sodium	4,490	4,490	4,250	4,450		µg/L	GE	0
		Specific conductance	50	52	50	50		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	624		µg/L	WA	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	< 1.0E+00	1.1E+00		pCi/L	GE	0
●		Total dissolved solids	40,000	43,000	43,000	111,000	J	µg/L	WA	0
		Total organic carbon	1,040	< 1,000	< 1,000	1,260		µg/L	WA	0
		Total organic halogens	37	< 5.0	< 5.0	5.3		µg/L	GE	0
		Total phosphates (as P)	393	210	522	911	J1	µg/L	WA	0
■		Tritium	7.8E+01	7.8E+01	6.9E+01	6.7E+01		pCi/mL	TM	2
		Vanadium	1.2	< 8.0	< 8.0	1.3	J3	µg/L	WA	0
		Zinc	30	5.4	6.0	11	V	µg/L	WA	0

WELL HSB109D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71685.6 E56885.5	33.277136 °N 81.656257 °W	233.0-213.0 ft msl	261.2 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	02/10/92	04/14/92	07/15/92	10/15/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.3	222.6	222.5	222.6	ft msl
pH	3.5	4.1	4.0	3.9	pH
Sp. conductance	76	80	86	92	µS/cm
Water temperature	18.8	20.7	21.8	21.3	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	3.9	4.0	4.0	2.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	603	715	882	1,100		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	37	46	57	73		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	1,050	1,230	1,200	1,100	J2	µg/L	GE	0
		Caesium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Chloride	2,840	2,200	2,170	1,880		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L	GP	0
		Cobalt	< 4.0	< 4.0	4.1	< 4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB109D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cobalt-57			< 1.0E +01	< 1.0E +01		pCi/L	GP	0
		Cobalt-60			2.5E +01	2.2E +01		pCi/L	GP	0
		Cobalt-60			2.6E +01			pCi/L		
		Copper	4.3	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E +01	< 4.0E +01		pCi/L	GP	0
		Europium-154			< 2.0E +01	< 2.0E +01		pCi/L	GP	0
		Europium-155			< 3.0E +01	< 3.0E +01		pCi/L	GP	0
		Fluoride	< 100	101	118	110		µg/L	GE	0
		Gross alpha	4.5E +00	< 2.0E +00	< 2.0E +00	9.2E +00		pCi/L	GE	1
		Iodine-131			< 2.0E +01			pCi/L		
		Iron	7.3	5.7	7.9	11		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	942	864	849	689		µg/L	GE	0
		Manganese	214	220	191	188		µg/L	GE	2
		Manganese-54			< 1.0E +01	< 1.0E +01		pCi/L	GP	0
		Mercury	0.96	0.91	1.2	0.61		µg/L	GE	0
		Nickel	5.3	7.6	11	8.1		µg/L	GE	0
		Niobium-95			< 1.5E +01			pCi/L		
		Nitrate-nitrite as nitrogen	5.200	7.100	5.500	7.300		µg/L	GE	1
	■	Nonvolatile beta	1.1E +03	1.5E +03	1.4E +03	1.3E +03		pCi/L	GE	2
		pH	5.1	4.4	4.3	4.3	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	554	539	< 500		µg/L	GE	0
		Potassium-40			< 1.1E +02	< 1.1E +02		pCi/L	GP	0
		Promethium-144			< 1.0E +01	< 1.0E +01		pCi/L	GP	0
		Promethium-146			< 1.0E +01	< 1.0E +01		pCi/L	GP	0
		Ruthenium-106			< 9.0E +01	< 9.0E +01		pCi/L	GP	0
		Ruthenium-106			< 1.3E +02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	8,820	9,330	9,220	9,870		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	5,540	4,900	5,590	6,230		µg/L	GE	0
		Sodium-22			< 1.0E +01	< 1.0E +01		pCi/L	GP	0
		Specific conductance	60	78	80	82		µS/cm	GE	0
		Sulfate	1,640	< 1,000	< 1,000	1,190		µg/L	GE	0
		Total activity	5.3E +05	3.2E +05	3.5E +05	3.8E +05		pCi/L	EM	0
	■	Total alpha-emitting radium	1.6E +01	1.7E +01	7.8E +00	2.6E +01		pCi/L	GE	2
		Total dissolved solids	38,000	45,000	54,000	46,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	13	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	5.3E +02	3.4E +02	3.2E +02	3.4E +02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E +01	< 6.0E +01		pCi/L	GP	0
		Zinc	19	24	33	30		µg/L	GE	0
		Zinc-65			< 2.0E +01	< 2.0E +01		pCi/L	GP	0
		Zirconium-95			< 2.0E +01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

☉ = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB110C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71779.3 E56680.7	33.277009 °N 81.656979 °W	181.4-171.4 ft msl	255.7 ft msl	4" PVC	S	Barnwell (HIB <sub>1</sub> )

SAMPLE DATE	01/02/92	04/14/92	07/15/92	10/08/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	218.8	219.2	219.0	219.2	ft msl
pH	5.4	5.2	5.1	5.3	pH
Sp. conductance	27	27	27	27	µS/cm
Water temperature	18.2	19.9	21.9	19.8	°C
Alkalinity as CaCO <sub>3</sub>	1	1	1	2	mg/L
Volume purged	4.0	4.0	4.0	2.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	40	< 20	69		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	4.7	4.9	4.9	5.1		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	1,360	1,390	1,390	1,640	J2	µg/L	GE	0
		Chloride	2,660	2,590	2,540	2,540		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	13	36	30		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	325	348	339	376		µg/L	GE	0
		Manganese	12	12	12	14		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	630					µg/L		
		Nitrate-nitrite as nitrogen		720	780	700		µg/L	GE	0
		Nonvolatile beta	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
•		pH	5.5	5.5	5.5	5.1	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	< 500	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	11,600	12,000	11,600	11,100		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,180	2,200	2,110	2,180		µg/L	GE	0
		Specific conductance	28	28	25	25		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total alpha-emitting radium	1.7E+00	< 1.0E+00	< 1.0E+00	< 1.0E+00		pCi/L	GE	0
•		Total dissolved solids	25,000	24,000	30,000	26,000	J6	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	80	< 50	< 50	< 50		µg/L	GE	0
■		Tritium	3.8E+01	3.6E+01	3.0E+01	3.1E+01		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	12	11	11	13		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB110D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71 785.2 E56672.1	33.277008 °N 81.657013 °W	231.4-211.4 ft msl	255.6 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/02/92	04/14/92	07/15/92	10/15/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.6	222.0	221.9	222.0	ft msl
pH	4.3	4.9	5.2	5.5	pH
Sp. conductance	97	74	90	54	µS/cm
Water temperature	18.5	19.6	20.7	21.4	°C
Alkalinity as CaCO <sub>3</sub>	0	1	2	2	mg/L
Volume purged	4.0	4.0	4.0	3.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	912	176	214	264		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Antimony-125			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Arsenic	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Barium	9.3	4.8	8.3	4.6		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	617	440	614	594	J2	µg/L	GE	0
		Cerium-144			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Cesium-134			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cesium-137			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Chloride	3,090	2,730	2,700	2,700		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Chromium-51			<1.2E+02			pCi/L		
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt-57			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cobalt-60			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Europium-152			<4.0E+01	<4.0E+01		pCi/L	GP	0
		Europium-154			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Europium-155			<3.0E+01	<3.0E+01		pCi/L	GP	0
		Fluoride	103	<100	<100	<100		µg/L	GE	0
		Gross alpha	8.2E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iodine-131			<2.0E+01			pCi/L		
		Iron	5.9	5.4	14	32		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	140	118	198	163		µg/L	GE	0
		Manganese	72	46	48	51		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	4.6	<4.0	<4.0	4.5		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
		Nitrate-nitrite as nitrogen	4,800	3,200	1,860	1,860		µg/L	GE	0
	■	Nonvolatile beta	2.4E+02	1.1E+02	6.0E+01	8.1E+01		pCi/L	GE	2
		pH	4.2	5.4	5.6	5.7	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	1,010	1,680	2,620	2,760		µg/L	GE	0
		Potassium-40			<1.1E+02	<1.1E+02		pCi/L	GP	0
		Promethium-144			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Promethium-146			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Ruthenium-106			<9.0E+01	<9.0E+01		pCi/L	GP	0
		Ruthenium-106			<1.3E+02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB110D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	12,900	10,800	10,300	10,100		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	4,880	7,350	12,900	8,420		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	70	60	55	50		µS/cm	GE	0
		Sulfate	41,900	4,620	4,380	4,180		µg/L	GE	0
		Total activity	1.4E + 05	5.5E + 04				pCi/L	GE	1
		Total alpha-emitting radium	5.0E + 00	2.3E + 00	1.4E + 00	3.9E + 00		µg/L	GE	0
		Total dissolved solids	47,000	47,000	46,000	43,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	13	44	5.3	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		Tritium	1.2E + 02	6.4E + 01	2.3E + 01	2.7E + 01		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	15	6.6	11	6.3		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0

WELL HSB111C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71919.4 E56501.9	33.277027 °N 81.657722 °W	150.7-140.7 ft msl	256 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/02/92	04/23/92	07/15/92	10/08/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	220.0	220.4	220.2	220.3	ft msl
pH	4.8	4.6	4.6	4.8	pH
Sp. conductance	234	226	230	220	µS/cm
Water temperature	18.8	19.8	21.7	20.1	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	203	199	149	195		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	21	23	23	19		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	16,000	15,900	14,300	13,900		µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Chloride	3,860	3,590	3,520	3,660	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	5.0	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB111C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
•		Fluoride	138	134	130	180	J	µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	3.5E + 00		pCi/L	GE	0
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	15	5.1	12	28		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	3,490	3,390	3,010	3,270		µg/L	GE	0
		Manganese	39	39	32	35		µg/L	GE	1
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	0.25	< 0.20		µg/L	GE	0
		Nickel	< 4.0	8.3	8.9	< 4.0		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
■		Nitrate-nitrite as nitrogen	24,200	24,000	24,000	25,000		µg/L	GE	2
■		Nonvolatile beta	9.1E + 01	4.2E + 01	6.0E + 01	6.2E + 01		pCi/L	GE	2
•		pH	5.0	5.0	5.2	5.2	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	708	673	1,220	666		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	10,900	11,000	10,600	10,900		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	17,600	17,900	17,200	19,200		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	185	190	190	550		µS/cm	GE	2
•		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000	J	µg/L	GE	0
		Total activity	3.6E + 06	3.5E + 06	3.4E + 06	3.4E + 06		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E + 00	1.4E + 00	1.0E + 00	1.7E + 00		pCi/L	GE	0
		Total dissolved solids	186,000	195,000	139,000	158,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	11		µg/L	GE	0
		Total phosphates (as P)	60	90	100	80		µg/L	GE	0
■		Tritium	3.6E + 03	3.4E + 03	3.2E + 03	3.1E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	34	32	35	31		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB111D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71926.2 E56494.5	33.277030 °N 81.657754 °W	195.7-185.7 ft msl	256 ft msl	4" PVC	V	Water table (H <sub>2</sub> O)

SAMPLE DATE	01/02/92	04/23/92	07/15/92	10/15/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.4	221.9	221.7	221.8	ft msl
pH	4.9	4.6	4.7	4.9	pH
Sp. conductance	508	496	490	445	µS/cm
Water temperature	18.9	20.5	21.4	20.9	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	3.9	4.0	4.0	2.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	221	211	195	220		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	44	44	40	41		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	5.840	6.030	5.350	5.320		µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Chloride	3.500	3.300	3.260	3.290	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	100	< 100	122	107		µg/L	GE	0
		Gross alpha	2.3E + 00	1.3E + 01	6.0E + 00	5.4E + 00		pCi/L	GE	0
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	< 4.0	< 4.0	4.4	23		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	2,540	2,500	2,370	2,390		µg/L	GE	0
		Manganese	53	54	48	49		µg/L	GE	1
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	6.0	5.9	4.1		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
■		Nitrate-nitrite as nitrogen	41,600	64,000	58,000	57,500		µg/L	GE	2
■		Nonvolatile beta	9.9E + 01	7.2E + 01	6.6E + 01	7.8E + 01		pCi/L	GE	2
•		pH	5.1	5.0	5.0	5.3	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	< 500	< 500		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB111D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	8,960	9,160	8,670	8,400		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	81,700	82,000	78,100	88,000		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	405	450	412	450		µS/cm	GE	1
		Sulfate	4,820	< 1,000	< 1,000	< 1,000	J	µg/L	GE	0
		Total activity	1.3E + 07	1.4E + 07	1.2E + 07	1.2E + 07		pCi/L	EM	0
		Total alpha-emitting radium	2.0E + 00	7.5E + 00	6.5E + 00	6.6E + 00		pCi/L	GE	2
		Total dissolved solids	378,000	385,000	364,000	334,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	25	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	50	< 50		µg/L	GE	0
		Tritium	1.4E + 04	1.4E + 04	1.2E + 04	1.2E + 04		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	14	12	13	13		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0

WELL HSB111E

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71932.8 E56487.2	33.277033 °N 81.657786 °W	231.7-211.7 ft msl	255.9 ft msl	4" PVC	V	Water table (H <sub>2</sub> O)

SAMPLE DATE	01/02/92	04/23/92	07/15/92	10/15/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.6	222.0	221.9	221.9	ft msl
pH	4.3	4.1	4.1	4.2	pH
Sp. conductance	88	59	73	53	µS/cm
Water temperature	19.0	19.4	20.4	21.0	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	7.7	4.1	2.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	721	389	1,390	436		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	11	5.7	18	6.3		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	612	378	982	434		µg/L	GE	0
		Chloride	2,700	2,640	2,450	2,560	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	211	< 100	120	< 100		µg/L	GE	0
		Gross alpha	3.6E + 01	8.6E + 00	< 2.0E + 00	4.3E + 00		pCi/L	GE	0
		Iron	7.3	< 4.0	4.3	12		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	319	244	413	276		µg/L	GE	0
		Manganese	51	22	92	22		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	4.9	< 4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB111E continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Nitrate-nitrite as nitrogen	6,800	3,160	5,700	3,000		µg/L	GE	0
		Nonvolatile beta	1.1E + 03	7.6E + 02	1.2E + 03	2.7E + 02		pCi/L	GE	2
•		pH	4.1	4.5	4.4	4.5	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	550	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	7.360	7.440	8.040	6.740		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	5,740	4,140	8,640	5,750		µg/L	GE	0
•		Specific conductance	110	48	68	59		µS/cm	GE	0
		Sulfate	18,300	2,250	3,270	3,950	J	µg/L	GE	0
		Total activity	4.3E + 05	3.4E + 05	2.7E + 06	3.2E + 06		pCi/L	EM	0
		Total alpha-emitting radium	1.5E + 01	9.1E + 00	7.9E + 00	9.0E + 00		pCi/L	GE	2
•		Total dissolved solids	56,000	23,000	60,000	33,000	J6V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	9.6	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		Tritium	7.5E + 02	3.3E + 02	2.4E + 03	2.8E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	9.6	5.7	17	6.5		µg/L	GE	0

WELL HSB112C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72156.4 E56417.4	33.277413 °N 81.658404 °W	150.6-140.6 ft msl	254.9 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/07/92	04/15/92	07/16/92	10/08/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.1	221.5	221.5	221.5	ft msl
pH	6.2	5.8	6.2	5.9	pH
Sp. conductance	192	183	193	167	µS/cm
Water temperature	19.5	19.9	20.5	20.3	°C
Alkalinity as CaCO <sub>3</sub>	14	12	15	15	mg/L
Volume purged	4.0	4.0	4.0	4.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	30	46	41	86		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	29	30	26	23		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	14,300	13,100	12,700	13,600	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Chloride	3,420	3,150	3,160	3,250	J6	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
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Well HSB112C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	175	299	203	197		µg/L	GE	0
		Gross alpha	< 2.0E + 00	2.5E + 00	< 2.0E + 00	4.6E + 00		pCi/L	GE	0
		Iodine-131			< 2.0E + 01			pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	8.4		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	3,060	2,920	2,700	2,650		µg/L	GE	0
		Manganese	29	29	24	25		µg/L	GE	1
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	0.36	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	5.2	4.8		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L	GP	0
	■	Nitrate-nitrite as nitrogen	15,400	14,000	14,000	13,800		µg/L	GE	2
		Nonvolatile beta	7.8E + 01	5.1E + 01	2.7E + 01	3.4E + 01		pCi/L	GE	1
	●	pH	6.3	6.2	6.4	6.2	J	pH	GE	0
		Phenols	< 5.0					µg/L	GE	0
		Potassium	614	705	673	< 500		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L	GP	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	12,000	12,300	11,600	11,000		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	13,400	13,000	12,300	12,400		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	140	170	142	145		µS/cm	GE	0
	●	Sulfate	< 1,000	< 1,000	< 1,000	< 1,000	J6	µg/L	GE	0
		Total activity	2.6E + 06	2.3E + 06	2.4E + 06	2.0E + 06		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E + 00	1.6E + 00	< 1.0E + 00	2.7E + 00		pCi/L	GE	1
		Total dissolved solids	158,000	166,000	137,000	146,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	430	520	630	480		µg/L	GE	0
	■	Tritium	2.5E + 03	2.3E + 03	2.0E + 03	1.8E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	23	22	20	21		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB112D**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72161.6 E56408.1	33.277410 °N 81.658439 °W	198.3-188.3 ft msl	255.1 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/07/92	04/15/92	07/16/92	10/25/92
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**FIELD DATA**

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.0	222.6	222.4	222.6	ft msl
pH	4.8	4.4	4.7	4.6	pH
Sp. conductance	437	448	435	395	µS/cm
Water temperature	19.8	19.4	20.3	21.0	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.1	Well vol.

**ANALYTICAL DATA**

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	126	136	125	115		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	18	19	17	13		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	1,620	1,730	1,530	1,090	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Chloride	2,680	2,360	2,460	2,590	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	5.2	5.6	5.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	< 100	191	< 100	< 100		µg/L	GE	0
		Gross alpha	4.1E + 00	2.6E + 00	4.3E + 00	7.2E + 00		pCi/L	GE	0
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	< 4.0	4.6	< 4.0	21		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	1,090	1,170	1,070	799		µg/L	GE	0
		Manganese	196	202	188	125		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	9.2	< 4.0		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
■		Nitrate-nitrite as nitrogen	48,800	53,000	48,000	47,200		µg/L	GE	2
■		Nonvolatile beta	7.5E + 01	1.1E + 02	6.2E + 01	8.6E + 01		pCi/L	GE	2
•		pH	4.7	4.7	5.0	5.1	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	730	879	744	< 500		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB112D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	8,800	8,950	8,040	7,140		µg/L	GE	0
		Silica, total			8,570	7,220		µg/L	GE	2
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	72,700	76,100	73,500	80,700	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	340	420	362	360		µS/cm	GE	1
●		Sulfate	10,500	8,170	8,490	8,980	J	µg/L	GE	0
		Total activity	1.9E + 07	1.6E + 07	1.6E + 07	1.5E + 07		pCi/L	EM	0
		Total alpha-emitting radium	2.1E + 00	8.6E + 00	6.4E + 00	3.4E + 00		pCi/L	GE	1
		Total dissolved solids	317,000	349,000	311,000	296,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
●		Total organic halogens	71	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Total phosphates (as P)	70	90	< 50	< 50		µg/L	GE	0
●		Tributyl phosphate			< 10	< 10	J1	µg/L	GE	0
	■	Tritium	1.8E + 04	1.8E + 04	1.5E + 04	1.5E + 04		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	8.7	8.1	8.1	10		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL HSB112E

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72166.6 E56399.5	33.277407 °N 81.658471 °W	231.7-211.7 ft msl	255.1 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/08/92	04/15/92	07/16/92	10/26/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.9	222.6	222.5	222.5	ft msl
pH	5.2	5.2	5.1	5.1	pH
Sp. conductance	390	314	344	350	µS/cm
Water temperature	18.3	18.8	20.5	19.5	°C
Alkalinity as CaCO <sub>3</sub>	1	11	0	1	mg/L
Volume purged	0.1	0.3	0.3	1.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	138	101	142	403		µg/L	GE	2
		Antimony	13	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	78	72	69	56		µg/L	GE	0
		Cadmium	3.1	3.2	3.2	2.5		µg/L	GE	0
		Calcium	4,190	3,710	3,700	4,350	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Chloride	2,860	2,330	2,660	2,980		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	27	24	24	17		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			1.8E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB112E continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	109	165	147	122		µg/L	GE	0
■		Gross alpha	8.8E + 00	7.7E + 00	1.3E + 01	1.6E + 01		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	39	5.5	< 4.0	121		µg/L	GE	0
		Lead	20	14	23	3.3		µg/L	GE	0
		Magnesium	2,130	2,010	1,930	1,690		µg/L	GE	0
		Manganese	810	732	717	543		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	32	25	26	16		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
		Nitrate as nitrogen	42,400					µg/L	GE	2
■		Nitrate-nitrite as nitrogen		44,000	42,000	41,500		µg/L	GE	2
■		Nonvolatile beta	3.1E + 02	3.2E + 02	3.1E + 02	2.5E + 02		pCi/L	GE	2
		pH	5.3	5.5	5.1	5.5	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,430	1,620	1,320	1,320		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	11,100	10,600	10,500	9,790		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	55,700	58,000	56,600	59,900	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	275	310	310	315		µS/cm	GE	1
		Sulfate	6,520	3,560	3,090	3,970		µg/L	GE	0
		Total activity	1.5E + 07	9.9E + 06	1.0E + 07	9.6E + 06		pCi/L	EM	0
■		Total alpha-emitting radium	1.2E + 01	9.4E + 00	2.2E + 01	6.6E + 00		pCi/L	GE	2
		Total dissolved solids	247,000	258,000	114,000	238,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	1,370		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	34	< 5.0		µg/L	GE	0
		Total phosphates (as P)	160	630	270	< 50		µg/L	GE	0
■		Tritium	1.2E + 04	1.0E + 04	9.7E + 03	8.8E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	54	46	47	40		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB113C**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72312.3 E56160.4	33.277339 °N 81.659384 °W	161.7-151.7 ft msl	261 ft msl	4" PVC	S	Barnwell (HIB <sub>1</sub> )

SAMPLE DATE	01/08/92	04/28/92	07/16/92	10/20/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.6	222.4	221.9	222.3	ft msl
pH	5.2	4.7	5.0	5.0	pH
Sp. conductance	145	139	150	148	µS/cm
Water temperature	19.0	19.5	21.2	20.5	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	1	mg/L
Volume purged	4.0	4.0	4.0	2.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	135	140	110	139		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	36	35	34	32		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	8,230	8,310	9,310	7,330	J2	µg/L	GE	0
		Chloride	3,440	3,130	3,100	3,240		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	7.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	108	110	117	147		µg/L	GE	0
		Gross alpha	2.1E+00	< 2.0E+00	< 2.0E+00	5.4E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	6.1		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	2,710	2,660	2,720	2,510		µg/L	GE	0
		Manganese	53	52	52	47		µg/L	GE	1
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	6.9	4.3		µg/L	GE	0
		■ Nitrate-nitrite as nitrogen	13,600	14,200	14,800	14,400		µg/L	GE	2
		● Nonvolatile beta	4.6E+01	5.4E+01	5.0E+01	4.6E+01		pCi/L	GE	1
		pH	5.5	5.4	5.4	5.4	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	691	640	1,100	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	10,300	9,630	9,920	9,050		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	10,500	10,300	10,500	11,900		µg/L	GE	0
		Specific conductance	127	130	140	130		µS/cm	GE	0
		Sulfate	2,690	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total activity	1.7E+06	1.8E+06	1.7E+06	1.7E+06		pCi/L	EM	0
		Total alpha-emitting radium	3.8E+00	1.0E+00	1.8E+00	2.5E+00		pCi/L	GE	1
		Total dissolved solids	103,000	105,000	123,000	112,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	40	134	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		■ Tritium	1.6E+03	1.6E+03	1.6E+03	1.6E+03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	37	37	39	46		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB113D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72302.7 E56164.3	33.277324 °N 81.659355 °W	236.2-216.2 ft msl	260.89 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE 01/08/92 04/28/92 07/16/92 10/25/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.9	223.0	222.6	220.2	ft msl
pH	3.7	3.3	3.5	3.5	pH
Sp. conductance	448	399	418	263	µS/cm
Water temperature	19.0	19.4	21.5	22.3	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.1	4.1	3.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	9.630	8.080	7.850	6.470		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	94	92	95	55		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	5.650	4.830	4.770	3.170	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Chloride	4,340	2,120	2,260	1,500	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	4.9		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	8.4	9.6	11	14		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			1.7E + 02	1.4E + 02		pCi/L	GP	2
		Cobalt-60			1.7E + 02			pCi/L		
		Copper	8.1	6.6	7.0	34		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	580	421	484	580		µg/L	GE	0
■		Gross alpha	3.6E + 01	9.7E + 01	6.4E + 01	1.1E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	289	262	373	154		µg/L	GE	1
		Lead	7.1	5.3	6.6	11		µg/L	GE	1
		Magnesium	1,360	1,460	1,550	725		µg/L	GE	0
		Manganese	509	449	479	566		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	0.86	0.23		µg/L	GE	0
		Nickel	13	13	14	22		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
		Nitrate as nitrogen	42.000					µg/L		
■		Nitrate-nitrite as nitrogen		37.900	42.500	25.200		µg/L	GE	2
■		Nonvolatile beta	1.9E + 03	2.8E + 03	2.3E + 03	1.8E + 03		pCi/L	GE	2
•		pH	3.8	3.8	3.8	3.9	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	1.610	2.010	1.880	1.380		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB113D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	28,500	24,600	25,500	27,300		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	24,300	27,100	28,100	13,200	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	340	340	350	245		µS/cm	GE	0
		Sulfate	5,840	1,810	1,500	4,870	J	µg/L	GE	0
		Total activity	1.1E + 07	1.0E + 07	1.0E + 07	3.2E + 06		pCi/L	EM	0
		Total alpha-emitting radium	5.7E + 01	4.4E + 01	3.3E + 01	3.6E + 01		pCi/L	GE	2
		Total dissolved solids	247,000	221,000	211,000	115,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	6.9	< 5.0	15		µg/L	GE	0
		Total phosphates (as P)	70	< 50	< 50	< 50		µg/L	GE	0
		Tritium	1.1E + 04	1.0E + 04	9.6E + 03	3.1E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	83	74	74	91		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL HSB114C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72464.6 E56107.0	33.277589 °N 81.659820 °W	195.6-185.6 ft msl	263.8 ft msl	4" PVC	S	Barnwell (IB <sub>1</sub> )

SAMPLE DATE	01/08/92	04/28/92	07/16/92	10/25/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.4	223.6	223.2	225.1	ft msl
pH	4.5	4.1	4.4	4.7	pH
Sp. conductance	498	488	496	148	µS/cm
Water temperature	19.6	20.0	21.4	20.8	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	502	490	513	178		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	73	77	80	36		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	12,300	13,400	13,400	8,520	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Chloride	5,440	4,410	4,230	3,400		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	6.2	6.4	6.4	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB114C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	175	156	205	149		µg/L	GE	0
		Gross alpha	7.1E + 00	1.7E + 01	4.0E + 00	2.6E + 00		pCi/L	GE	0
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	6.6	8.1	10	5.4		µg/L	GE	0
		Lead	< 3.0	3.6	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	6,190	6,570	6,700	2,900		µg/L	GE	0
		Manganese	165	174	174	55		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	0.22	0.22	0.39	< 0.20		µg/L	GE	0
		Nickel	8.6	11	9.9	< 4.0		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
		Nitrate as nitrogen	54,400					µg/L		
■		Nitrate-nitrite as nitrogen		56,500	56,500	13,500		µg/L	GE	2
		Nonvolatile beta	1.9E + 02	1.8E + 02	1.4E + 02	2.7E + 01		pCi/L	GE	1
●		pH	4.6	4.7	4.6	5.4	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	594	805	731	630		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	10,100	9,670	10,000	9,750		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	61,800	65,800	65,800	11,000		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	380	450	428	125		µS/cm	GE	0
		Sulfate	12,200	4,020	3,470	< 1,000		µg/L	GF	0
		Total activity	1.3E + 07	1.4E + 07	1.4E + 07	1.8E + 06		pCi/L	EM	0
		Total alpha-emitting radium	9.7E + 00	8.5E + 00	1.0E + 01	1.7E + 00		pCi/L	GE	0
		Total dissolved solids	394,000	356,000	358,000	111,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	61	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
■		Tritium	1.3E + 04	1.4E + 04	1.3E + 04	1.6E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	37	49	46	32		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB114D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72474.2 E56104.6	33.277606 °N 81.659845 °W	232.8-212.8 ft msl	264 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/08/92	04/28/92	07/16/92	10/25/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.5	223.7	223.2	225.8	ft msl
pH	3.8	3.4	3.7	3.4	pH
Sp. conductance	301	265	265	354	µS/cm
Water temperature	19.4	20.3	22.5	22.5	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	3.9	3.9	3.9	2.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	6,340	5,850	5,530	8,290		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	47	53	54	92		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	4,040	4,150	3,760	4,250	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Chloride	2,700	1,510	1,440	1,930	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	8.3	12	12	11		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			1.4E + 02	1.6E + 02		pCi/L	GP	2
		Cobalt-60			1.6E + 02			pCi/L		
		Copper	9.0	7.8	8.4	5.7		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	707	567	632	469		µg/L	GE	0
		Gross alpha	3.1E + 01	5.1E + 01	4.1E + 01	1.1E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	33	37	38	57		µg/L	GE	0
		Lead	8.8	9.0	4.4	< 3.0		µg/L	GE	0
		Magnesium	934	972	917	1,870		µg/L	GE	0
		Manganese	380	500	519	510		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	2.6	< 0.20		µg/L	GE	0
		Nickel	13	19	15	13		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
		Nitrate as nitrogen	26,600					µg/L		
		Nitrate-nitrite as nitrogen		24,800	25,000	34,000		µg/L	GE	2
		Nonvolatile beta	3.0E + 03	3.4E + 03	2.7E + 03	2.7E + 03		pCi/L	GE	2
		pH	3.9	3.9	3.9	3.8	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	1,660	2,370	1,760	1,630		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB114D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	26,000	24,800	26,900	22,300		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	12,900	12,400	12,400	18,400	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	235	230	220	310		µS/cm	GE	1
		Sulfate	24,600	4,240	3,900	2,460	J	µg/L	GE	0
		Total activity	3.9E + 06	3.4E + 06	3.2E + 06	6.3E + 06		pCi/L	EM	0
		Total alpha-emitting radium	6.8E + 01	4.2E + 01	2.8E + 01	5.6E + 01		pCi/L	GE	2
		Total dissolved solids	164,000	127,000	165,000	162,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	7.9	9.1	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		Tritium	3.7E + 03	3.5E + 03	3.0E + 03	6.0E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	90	89	86	66		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL HSB115C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72653.2	33.277902 °N	192.8-182.8 ft msl	269.3 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )
E56043.2	81.660355 °W					

SAMPLE DATE	01/07/92	04/15/92	07/16/92	10/20/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	223.4	224.3	224.2	224.4	ft msl
pH	7.0	6.8	6.6	6.5	pH
Sp. conductance	474	472	466	430	µS/cm
Water temperature	19.7	20.1	21.0	20.4	°C
Alkalinity as CaCO <sub>3</sub>	19	20	16	14	mg/L
Volume purged	4.0	4.0	4.0	3.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	107	139	100	224		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	47	53	60	53		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	16,600	16,400	16,800	13,500	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Chloride	2,400	2,400	2,470	2,660	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB115C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cyanide	5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	< 100	126	< 100	104		µg/L	GE	0
		Gross alpha	7.4E + 00	4.2E + 00	< 2.0E + 00	1.3E + 01		pCi/L	GE	1
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	< 4.0	< 4.0	< 4.0	12		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	2,610	2,750	3,060	3,050		µg/L	GE	0
		Manganese	200	179	191	177		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	5.3	4.1		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
		■ Nitrate-nitrite as nitrogen	49,200	53,000	51,500	57,200		µg/L	GE	2
		■ Nonvolatile beta	1.5E + 02	1.7E + 02	1.3E + 02	8.1E + 01		pCi/L	GE	2
		● pH	7.3	7.4	6.8	7.2	J	pH	GE	0
		● Phenols	< 5.0					µg/L		
		Potassium	940	1,060	883	814		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	9,770	9,990	9,920	9,140		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	65,700	67,000	66,500	68,200	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	370	435	398	410		µS/cm	GE	1
		● Sulfate	5,180	5,720	4,420	3,460	J	µg/L	GE	0
		Total activity	1.7E + 07	1.5E + 07	1.5E + 07	1.4E + 07		pCi/L	EM	0
		■ Total alpha-emitting radium	3.3E + 00	5.4E + 00	< 1.0E + 00	6.9E + 00		pCi/L	GE	2
		● Total dissolved solids	358,000	366,000	365,000	331,000	J	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	9.2	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	80	100	< 50	< 50		µg/L	GE	0
		■ Tritium	1.6E + 04	1.6E + 04	1.4E + 04	1.4E + 04		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	4.0	3.7	15	12		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSE115D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N72662.3 E56039.8	33.277916 °N 81.660381 °W	233.9-213.9 ft msl	269.1 ft msl	4" PVC	S	Water table (H <sub>2</sub> )

<u>SAMPLE DATE</u>	01/08/92	04/15/92	07/16/92	10/21/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	223.3	224.4	224.3	224.3	ft msl
pH	4.3	3.8	3.9	3.5	pH
Sp. conductance	310	341	331	336	µS/cm
Water temperature	18.4	19.2	21.4	18.2	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	1.1	0.4	0.6	0.4	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	2,310	3,450	4,090	8,360		µg/L	GE	2
		Antimony	9.8	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	174	202	212	222		µg/L	GE	0
		Cadmium	< 2.0	2.4	3.5	3.7		µg/L	GE	1
		Calcium	12,500	12,500	11,200	9,460	J2	µg/L	GE	0
		Cerium-144			< 6.0E - 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Chloride	2,500	1,570	1,630	1,690		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	36	46	51	50		µg/L	GE	2
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			1.5E + 02	1.7E + 02		pCi/L	GP	2
		Cobalt-60			1.8E + 02			pCi/L		
		Copper	17	18	19	20		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	585	936	640	585		µg/L	GE	0
	■	Gross alpha	2.1E + 01	3.3E + 01	2.5E + 01	7.7E + 01		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	148	127	113	1,690		µg/L	GE	2
	■	Lead	54	71	60	66		µg/L	GE	2
		Magnesium	3,100	2,460	2,850	2,650		µg/L	GE	0
		Manganese	1,060	1,560	1,710	1,730		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	3.6	0.42		µg/L	GE	0
		Nickel	54	58	58	55		µg/L	GE	1
		Niobium-95			< 1.5E + 01			pCi/L		
		Nitrate as nitrogen	31,600					µg/L		
	■	Nitrate-nitrite as nitrogen		36,000	36,000	31,600		µg/L	GE	2
	■	Nonvolatile beta	1.4E + 03	2.4E + 03	2.6E + 03	3.0E + 03		pCi/L	GE	2
		pH	4.2	4.1	4.0	4.2	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	952	1,500	1,710	1,770		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB115D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	24,700	31,600	30,100	37,500		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	22,600	19,000	20,700	21,100	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	240	300	288	300		µS/cm	GE	1
		Sulfate	8,360	1,040	2,070	1,240		µg/L	GE	0
		Total activity	7.5E + 06	9.1E + 06	7.6E + 06	8.4E + 06		pCi/L	EM	0
		Total alpha-emitting radium	3.9E + 01	3.8E + 01	2.8E + 01	6.1E + 01		pCi/L	GE	2
•		Total dissolved solids	198,000	241,000	220,000	187,000	J	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	1,800		µg/L	GE	0
•		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Total phosphates (as P)	100	250	190	< 50		µg/L	GE	0
		Tritium	9.0E + 03	8.6E + 03	7.0E + 03	7.6E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	178	191	183	174		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL HSB116C

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

SAMPLE DATE	01/02/92	04/13/92	07/16/92	10/25/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	223.6	225.4	225.4	225.6	ft msl
pH	5.2	4.6	4.7	4.7	pH
Sp. conductance	547	540	530	491	µS/cm
Water temperature	18.6	19.6	20.8	21.4	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	146	161	178	198		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	81	84	84	88		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	4,070	4,310	4,480	4,870	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Chloride	4,480	4,470	4,010	4,100	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	67	70	72	70		µg/L	GE	2
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB116C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	1.7E + 01	2.4E + 01	5.4E + 00	1.4E + 01		pCi/L	GE	1
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	< 4.0	< 4.0	4.3	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	2,080	2,310	2,520	2,690		µg/L	GE	0
		Manganese	931	968	996	1,030		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	0.25	0.64		µg/L	GE	0
		Nickel	11	12	14	11		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	61,000	57,200	69,000	58,000		µg/L	GE	2
	■	Nonvolatile beta	1.2E + 02	5.8E + 01	7.8E + 01	7.6E + 01		pCi/L	GE	2
	●	pH	5.0	4.9	5.2	5.3	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	832	906	813	702		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	8,520	8,310	8,300	7,660		µg/L	GE	0
		Silica, total			8,620	7,510		µg/L	GE	2
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	86,700	86,100	84,100	89,600	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	550	550	450	455		µS/cm	GE	1
	●	Sulfate	3,170	2,700	2,830	2,060	J	µg/L	GE	0
		Total activity	3.2E + 05	1.6E + 07	1.6E + 07	1.5E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium	6.1E + 00	6.5E + 00	8.8E + 00	8.7E + 00		pCi/L	GE	2
		Total dissolved solids	401,000	382,000	381,000	354,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
	●	Total organic halogens	21	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	●	Tributyl phosphate			< 10	< 10	J1	µg/L	GE	0
	■	Tritium	1.7E + 04	1.7E + 04	1.5E + 04	1.5E + 04		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	13	14	14	15		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



**WELL HSB116D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N72898.1 E55988.2	33.278354 °N 81.660975 °W	234.5-214.5 ft msl	256.8 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

<u>SAMPLE DATE</u>	01/02/92	04/13/92	07/16/92	10/25/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	224.7	225.7	225.7	225.8	ft msl
pH	4.1	3.8	3.8	3.5	pH
Sp. conductance	393	387	399	339	µS/cm
Water temperature	19.7	20.8	22.4	21.1	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	3.9	4.0	2.4	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	2,570	2,570	2,450	2,730		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	247	253	231	253		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	7,370	7,580	7,420	6,890	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Chloride	2,720	1,640	1,400	1,320	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	9.5	9.8	9.6	9.5		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			2.9E + 02	2.6E + 02		pCi/L	GP	2
		Copper	6.1	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	362	489	376	365		µg/L	GE	0
■		Gross alpha	4.4E + 01	7.3E + 01	5.2E + 01	1.3E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	206	177	78	93		µg/L	GE	0
		Lead	17	19	11	12		µg/L	GE	1
		Magnesium	2,610	2,690	2,740	3,560		µg/L	GE	0
		Manganese	774	825	850	941		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	17	18	16	14		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
■		Nitrate-nitrite as nitrogen	41,200	40,800	44,000	35,200		µg/L	GE	2
■		Nonvolatile beta	1.0E + 04	1.3E + 04	1.1E + 04	7.3E + 03		pCi/L	GE	2
•		pH	4.2	4.1	4.1	4.1	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	2,620	2,800	3,170	2,980		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB116D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	11,200	10,600	12,000	9,400		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	36,400	34,600	35,900	26,300	J2	µg/L	GE	0
		Sodium-22			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Specific conductance	305	385	338	280		µS/cm	GE	1
•		Sulfate	12,600	2,080	2,650	3,250	J	µg/L	GE	0
		Total activity	1.0E+07	9.7E+06	6.5E+06	2.6E+06		pCi/L	EM	0
	■	Total alpha-emitting radium	1.2E+02	1.7E+02	5.8E+01	8.9E+01		pCi/L	GE	2
		Total dissolved solids	228,000	224,000	234,000	181,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
•		Total organic halogens	86	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	1.1E+04	8.1E+03	6.3E+03	2.7E+03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Zinc	79	73	69	65		µg/L	GE	0
		Zinc-65			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Zirconium-95			< 2.0E+01	< 2.0E+01		pCi/L	GP	0

WELL HSB117A

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

SAMPLE DATE	01/14/92	04/13/92	07/22/92	10/16/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	166.9	166.7	166.5	166.6	ft msl
pH	6.7	6.6	6.5	6.5	pH
Sp. conductance	142	151	150	143	µS/cm
Water temperature	17.4	18.1	20.1	18.8	°C
Alkalinity as CaCO <sub>3</sub>	47	53	55	46	mg/L
Volume purged	4.0	4.0	4.0	3.3	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	31	30	29	23		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	23,900	23,600	24,500	24,800	J2	µg/L	GE	0
		Chloride	4,800	2,370	2,340	2,390		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	128	185	< 100	131		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	4.9		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	814	792	765	803		µg/L	GE	0
		Manganese	101	89	81	74		µg/L	GE	2
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB117A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Nitrate as nitrogen	< 50					µg/L		
		Nitrate-nitrite as nitrogen		< 50	< 50	< 50		µg/L	GE	0
		Nonvolatile beta	< 2.0E+00	< 2.0E+00	2.3E+00	4.6E+00		pCi/L	GE	0
		pH	6.8	6.9	6.8	6.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1.060	1.150	1.380	1.130		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	29.300	27.900	28.500	28.900		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1.770	1.810	1.820	1.960		µg/L	GE	0
		Specific conductance	148	115	132	132		µS/cm	GE	0
		Sulfate	5.740	6.300	6.290	5.740		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E+00	1.2E+00	< 1.0E+00	2.1E+00	V	pCi/L	GE	0
		Total dissolved solids	97.000	98.000	103.000	103.000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	11	52	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	70	150	170	130		µg/L	GE	0
		Tritium	< 7.0E-01	< 7.0E-01	< 7.0E-01	< 7.0E-01		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

WELL HSB117C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72740.7 E55162.9	33.276659 °N 81.662842 °W	174.0-164.0 ft msl	236.3 ft msl	4" PVC		Barnwell (HIB <sub>1</sub> )

SAMPLE DATE	01/14/92	04/13/92	07/22/92	10/26/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.1	221.6	221.9	221.8	ft msl
pH	4.8	4.5	4.7		pH
Sp. conductance	439	423	409		µS/cm
Water temperature	17.0	17.5	19.5		°C
Alkalinity as CaCO <sub>3</sub>	0	0	0		mg/L
Volume purged	4.0	4.0	4.0		Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	372	388	380			µg/L		
		Antimony	< 2.0	< 2.0	< 2.0			µg/L		
		Antimony-125			< 2.0E+01			pCi/L		
		Arsenic	< 2.0	< 2.0	< 2.0			µg/L		
		Barium	64	64	64			µg/L		
		Cadmium	< 2.0	< 2.0	< 2.0			µg/L		
		Calcium	7.250	7.200	7.350			µg/L		
		Cerium-144			< 6.0E+01			pCi/L		
		Cesium-134			< 1.0E+01			pCi/L		
		Cesium-137			< 1.0E+01			pCi/L		
		Chloride	4.740	4.630	4.220			µg/L		
		Chromium	< 4.0	< 4.0	< 4.0			µg/L		
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	4.3	4.1	4.1			µg/L		
		Cobalt-57			< 1.0E+01			pCi/L		
		Cobalt-60			< 1.0E+01			pCi/L		
		Copper	< 4.0	< 4.0	< 4.0			µg/L		
		Cyanide	< 5.0	< 5.0	< 5.0			µg/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.  
 ● = exceeded holding time for 4th quarter 1992.  
 ■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB117C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Europium-152			< 4.0E+01			pCi/L		
		Europium-154			< 2.0E+01			pCi/L		
		Europium-155			< 3.0E+01			pCi/L		
		Fluoride	< 100	138	< 100			µg/L		
		Gross alpha	1.1E+01	3.0E+01	2.3E+01			pCi/L		
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	< 4.0	< 4.0	< 4.0			µg/L		
		Lead	< 3.0	< 3.0	< 3.0			µg/L		
		Magnesium	4,570	4,480	4,460			µg/L		
		Manganese	100	95	96			µg/L		
		Manganese-54			< 1.0E+01			pCi/L		
		Mercury	< 0.20	< 0.20	0.21			µg/L		
		Nickel	< 4.0	< 4.0	4.9			µg/L		
		Niobium-95			< 1.5E+01			pCi/L		
		Nitrate-nitrite as nitrogen	38,000	25,700	2,200			µg/L		
		Nonvolatile beta	1.9E+02	8.1E+01	9.8E+01			pCi/L		
		pH	5.1	5.2	5.1			pH		
		Phenols	< 5.0					µg/L		
		Potassium	505	620	587			µg/L		
		Potassium-40			< 1.1E+02			pCi/L		
		Promethium-144			< 1.0E+01			pCi/L		
		Promethium-146			< 1.0E+01			pCi/L		
		Ruthenium-106			< 9.0E+01			pCi/L		
		Ruthenium-106			< 1.3E+02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0			µg/L		
		Silica	8,210	8,000	8,580			µg/L		
		Silver	< 2.0	< 2.0	< 2.0			µg/L		
		Sodium	62,900	60,000	61,500			µg/L		
		Sodium-22			< 1.0E+01			pCi/L		
		Specific conductance	380	1,550	358			µS/cm		
		Sulfate	< 1,000	< 1,000	< 1,000			µg/L		
		Total activity	1.0E+07	9.1E+06	8.4E+06			pCi/L		
		Total alpha-emitting radium	8.8E+00	1.4E+01	6.2E+00			pCi/L		
		Total dissolved solids	338,000	297,000	291,000			µg/L		
		Total organic carbon	< 1,000	< 1,000	< 1,000			µg/L		
		Total organic halogens	99	< 5.0	< 5.0			µg/L		
		Total phosphates (as P)	< 50	< 50	< 50			µg/L		
		Tritium	1.0E+04	9.5E+03	7.9E+03			pCi/mL		
		Vanadium	< 8.0	< 8.0	< 8.0			µg/L		
		Yttrium-88			< 6.0E+01			pCi/L		
		Zinc	10	10	8.7			µg/L		
		Zinc-65			< 2.0E+01			pCi/L		
		Zirconium-95			< 2.0E+01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

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WELL HSB117D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72747.6 E55155.6	33.278662 °N 81.662875 °W	219.1-199.1 ft msl	236.3 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/14/92	04/13/92	07/22/92	10/16/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	223.2	223.6	224.5	224.9	ft msl
pH	4.9	4.4	4.8	4.6	pH
Sp. conductance	38	27	25	23	µS/cm
Water temperature	17.5	17.2	18.4	18.8	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	4.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	45		µg/L	GE	1
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	4.7	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	462	301	286	267	J2	µg/L	GE	0
		Chloride	2,680	2,500	2,360	2,370		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	25	4.7	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	472	315	288	302		µg/L	GE	0
		Manganese	2.6	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	2.240					µg/L		
		Nitrate-nitrite as nitrogen		940	900	670		µg/L	GE	0
		Nonvolatile beta	9.7E+00	2.3E+00	< 2.0E+00	3.0E+00		pCi/L	GE	0
		pH	5.3	5.0	5.6	5.3	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	< 500	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	6.340	5.940	6.030	6.320		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	4,990	3,180	2,810	3,050		µg/L	GE	0
		Specific conductance	40	22	22	22		µS/cm	GE	0
		Sulfate	1,040	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total activity			1.4E+05			pCi/L		
		Total alpha-emitting radium	< 1.0E+00	1.1E+00	< 1.0E+00	1.4E+00		pCi/L	GE	0
		Total dissolved solids	14,000	15,000	20,000	19,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	5.8	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		Tritium	2.7E+02	1.5E+02	1.2E+02	1.1E+02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	39	4.9	3.0	2.6		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

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WELL HSB118A

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

SAMPLE DATE	01/03/92	04/10/92	07/20/92	10/18/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	168.2	168.1	167.8	167.9	ft msl
pH	6.9	6.4	6.5	6.6	pH
Sp. conductance	182	211	250	292	µS/cm
Water temperature	18.8	19.0	19.9	19.5	°C
Alkalinity as CaCO <sub>3</sub>	46	51	37	42	mg/L
Volume purged	4.0	4.0	4.0	3.1	Well vol

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 15	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	3.6	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	41	58	61	58		µg/L	GE	0
		Cadmium	< 2.0	0.85	< 2.0	< 2.0		µg/L	GE	0
		Calcium	29,600	38,200	41,400	49,100		µg/L	GE	0
•		Chloride	2,500	3,130	2,430	2,530	J	µg/L	GE	0
		Chromium	< 4.0	1.7	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	0.92	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 1.1	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	124	139	136	104		µg/L	GE	0
		Gross alpha	< 2.0E+00	3.4E+00	< 2.0E+00	6.6E+00		pCi/L	GE	0
		Iron	23	38	36	37		µg/L	GE	0
		Lead	< 3.0	< 2.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	771	1,020	1,150	1,370		µg/L	GE	0
		Manganese	49	60	57	54		µg/L	GE	2
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 3.1	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen		9.190				µg/L		
■		Nitrate-nitrite as nitrogen	4,300	8,100	13,500	18,600		µg/L	GE	2
		Nonvolatile beta	8.0E+00	1.3E+01	1.9E+01	1.8E+01		pCi/L	GE	0
•		pH	6.5	7.0	6.8	6.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	2,200	2,730	2,550	3,190		µg/L	GE	0
		Radium-226		9.1E-01				pCi/L		
		Radium-228		7.7E+00				pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	31,200	31,900	33,400	31,700		µg/L	GE	0
		Silver	< 2.0	0.95	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,570	3,170	2,980	3,920		µg/L	GE	0
		Specific conductance	170	200	212	270		µS/cm	GE	1
•		Sulfate	6,320	7,470	7,320	6,420	J	µg/L	GE	0
		Total activity		3.0E+06		5.4E+06		pCi/L	EM	0
		Total alpha-emitting radium	1.1E+00	1.8E+00	1.0E+00	3.1E+00		pCi/L	GE	1
•		Total dissolved solids	132,000	193,000	217,000	231,000	J6V	µg/L	GE	0
		Total organic carbon	< 1.000	< 500	< 1,000	12,200		µg/L	GE	2
		Total organic halogens	< 5.0	22	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	210	210	220	190		µg/L	GE	0
■		Tritium	6.6E+02	2.2E+03	2.8E+03	5.0E+03		pCi/mL	GE	2
		Vanadium	< 8.0	1.4	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	2.8	< 2.0	< 2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB119A

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

SAMPLE DATE	01/02/92	04/13/92	07/21/92	10/21/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	167.5	167.5	166.2	167.2	ft msl
pH	7.3	6.8	6.8	6.5	pH
Sp. conductance	179	179	187	173	µS/cm
Water temperature	19.4	20.0	21.5	18.7	°C
Alkalinity as CaCO <sub>3</sub>	56	55	62	42	mg/L
Volume purged	4.0	4.0	0.8	0.8	Well vol

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	22	1.160		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	3.0	2.4	4.1	3.6		µg/L	GE	0
		Barium	18	22	21	12		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	27,300	27,100	28,200	24,900	J2	µg/L	GE	0
		Chloride	2,740	2,700	2,600	2,720		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	4.6		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	153	194	208	351		µg/L	GE	0
		Gross alpha	2.1E+00	< 2.0E+00	< 2.0E+00	2.5E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	5.9	348	J2	µg/L	GE	2
		Lead	< 3.0	< 3.0	< 3.0	12		µg/L	GE	1
		Magnesium	1.410	1,460	1,640	1,730		µg/L	GE	0
		Manganese	11	9.2	13	14		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	2,000	2,820	4,000	4,800		µg/L	GE	0
		Nonvolatile beta	1.4E+01	1.1E+01	1.6E+01	1.8E+01		pCi/L	GE	0
		pH	7.1	6.9	7.4	6.2	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	2,010	2,050	2,430	2,540		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	34,300	35,200	37,700	36,100		µg/L	GE	0
		Silica, total			37,500	36,600		µg/L	GE	2
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	3,800	3,880	5,200	7,480		µg/L	GE	0
		Specific conductance	165	170	178	150		µS/cm	GE	0
		Sulfate	3,340	3,830	3,520	2,450		µg/L	GE	0
		Total activity	2.4E+05	2.4E+05	2.9E+05	3.7E+05		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E+00	1.0E+00	< 1.0E+00	< 1.0E+00		pCi/L	GE	0
		Total dissolved solids	134,000	126,000	127,000	132,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	20	12	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	400	640	650	600		µg/L	GE	0
		Tributyl phosphate			< 10	< 10	J1	µg/L	GE	0
		Tritium	2.5E+02	2.5E+02	2.7E+02	3.4E+02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	5.9	7.4	14	58		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB120A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73395.1 E58431.9	33.280177 °N 81.660772 °W	101 0-91 0 ft msl	268.2 ft msl		S	U. Congaree (IIA)

SAMPLE DATE	01/03/92	04/10/92	07/17/92	10/12/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	167.0	166.7	166.3	166.6	ft msl
pH	7.6	7.2	7.1	7.1	pH
Sp. conductance	211	211	212	213	µS/cm
Water temperature	18.2	19.5	19.9	19.5	°C
Alkalinity as CaCO <sub>3</sub>	78	86	77	92	mg/L
Volume purged	4.0	4.0	4.0	2.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	27	35	33	24		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	38,200	37,400	39,600	36,100		µg/L	GE	0
		Chloride	2,410	2,490	2,410	2,700		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	4.1	6.2		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	957	1,030	978	1,010		µg/L	GE	0
		Manganese	19	21	23	22		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	0.24		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	70	< 50	< 50	< 50		µg/L	GE	0
		Nonvolatile beta	< 2.0E+00	3.4E+00	2.5E+00	2.2E+00		pCi/L	GE	0
		pH	7.4	7.7	7.5	7.1	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,920	2,060	1,740	1,690		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	32,600	32,800	34,600	32,300		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,890	2,910	2,640	2,810		µg/L	GE	0
		Specific conductance	200	208	202	172		µS/cm	GE	0
		Sulfate	5,470	6,170	6,040	6,790		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	1.3E+00	2.0E+00		pCi/L	GE	0
		Total dissolved solids	138,000	136,000	155,000	139,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	70	70	< 50	< 50		µg/L	GE	0
		Tritium	< 7.0E-01	< 7.0E-01	< 7.0E-01	< 7.0E-01		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	2.9		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



WELL HSB121A

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

SAMPLE DATE	02/17/92	04/10/92	07/17/92	10/12/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	172.1	172.1	171.7	172.0	ft msl
pH	6.7	7.2	7.0	7.4	pH
Sp. conductance	231	226	227	219	µS/cm
Water temperature	17.4	19.6	20.0	19.5	°C
Alkalinity as CaCO <sub>3</sub>	82	97	95	83	mg/L
Volume purged	4.0	4.0	4.0	2.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	22	< 20	< 20	< 15		µg/L	WA	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	57	51	47	47		µg/L	WA	0
		Cadmium	< 0.35	< 2.0	< 2.0	0.92	J3	µg/L	WA	0
		Calcium	41,500	40,400	39,300	42,500		µg/L	WA	0
		Chloride	3,510	2,460	2,520	2,620		µg/L	WA	0
		Chromium	1.1	< 4.0	< 4.0	< 1.1		µg/L	WA	0
		Cobalt	1.3	< 4.0	< 4.0	1.7	J3	µg/L	WA	0
		Copper	1.5	< 4.0	< 4.0	< 1.1		µg/L	WA	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	1.5E+00	< 2.0E+00	< 2.0E+00	2.3E+00		pCi/L	GE	0
		Iron	57	23	23	34		µg/L	WA	0
		Lead	< 2.0	< 3.0	< 3.0	3.5	J3	µg/L	WA	0
		Magnesium	889	865	818	839		µg/L	WA	0
		Manganese	9.2	9.4	8.5	9.5		µg/L	WA	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 3.1	< 4.0	< 4.0	< 3.1		µg/L	WA	0
		Nitrate as nitrogen	122			281		µg/L	WA	0
		Nitrate-nitrite as nitrogen		< 50	< 50	< 50		µg/L	GE	0
		Nonvolatile beta	6.6E+00	2.1E+00	4.5E+00	3.9E+00		pCi/L	GE	0
		pH	7.6	7.6	7.5	7.9	J	pH	WA	0
		Phenols	8.0					µg/L		
		Potassium	2,630	2,740	2,500	2,290	V	µg/L	WA	0
		Radium-226	1.1E+00			4.6E-01		pCi/L	TM	0
		Radium-228	1.0E+00			1.0E+00		pCi/L	TM	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	45,900	43,700	44,400	41,900		µg/L	GE	0
		Silicon	8,290					µg/L		
		Silver	< 0.70	< 2.0	< 2.0	< 0.70		µg/L	WA	0
		Sodium	3,090	3,020	2,940	2,940		µg/L	WA	0
		Specific conductance	187	218	218	195		µS/cm	GE	0
		Sulfate	11,900	9,310	9,400	10,100		µg/L	WA	0
		Total alpha-emitting radium	< 1.0E+00	1.0E+00	< 1.0E+00	3.5E+00		pCi/L	GE	1
		Total dissolved solids	176,000	162,000	168,000	193,000	JV	µg/L	WA	0
		Total organic carbon	893	< 1,000	< 1,000	< 500		µg/L	WA	0
		Total organic halogens	11	19	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	64	< 50	< 50	108		µg/L	WA	0
		Tritium	< 2.6E-01	< 7.0E-01	< 7.0E-01	< 4.9E-01		pCi/mL	TM	0
		Vanadium	< 0.88	< 8.0	< 8.0	< 0.88		µg/L	WA	0
		Zinc	5.0	< 2.0	< 2.0	4.0	V	µg/L	WA	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB122A

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

SAMPLE DATE	01/03/92	04/10/92	07/17/92	10/12/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	172.1	171.9	171.4	171.6	ft msl
pH	7.2	6.9	6.9	7.1	pH
Sp. conductance	223	225	228	224	µS/cm
Water temperature	17.8	19.6	19.9	19.5	°C
Alkalinity as CaCO <sub>3</sub>	84	89	84	85	mg/L
Volume purged	4.0	4.0	4.0	2.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 15	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	9.6	< 2.0	J1	µg/L	GE	0
		Barium	17	24	24	11		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	0.53	< 2.0		µg/L	GE	0
		Calcium	43,100	42,000	42,400	39,700		µg/L	GE	0
		Chloride	2,680	2,540	2,700	2,690		µg/L	GE	0
		Chromium	< 4.0	< 4.0	1.2	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 0.88	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 1.1	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	2.2E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	18	16	20	17		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 2.0	< 3.0		µg/L	GE	0
		Magnesium	790	840	819	795		µg/L	GE	0
		Manganese	5.1	5.6	5.7	3.6		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 3.1	< 4.0		µg/L	GE	0
		Nitrate as nitrogen		503				µg/L		
		Nitrate-nitrite as nitrogen	< 50	< 50	70	< 50		µg/L	GE	0
		Nonvolatile beta	< 2.0E + 00	< 2.0E + 00	3.2E + 00	2.0E + 00		pCi/L	GE	0
		pH	7.1	7.3	7.4	6.8	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	738	879	983	690		µg/L	GE	0
		Radium-226			1.0E + 00			pCi/L		
		Radium-228			1.2E + 00			pCi/L		
		Selenium	< 2.0	< 2.0	2.4	< 2.0	J1	µg/L	GE	0
		Silica	39,800	40,400	42,000	38,700		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 0.70	< 2.0		µg/L	GE	0
		Sr dium	1,800	1,940	1,890	1,820		µg/L	GE	0
		Specific conductance	220	215	220	190		µS/cm	GE	0
		Sulfate	8,900	10,200	10,400	11,000		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	1.0E + 00	1.4E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	151,000	140,000	186,000	159,000	V	µg/L	GE	0
		Total organic carbon	< 1.000	< 1.000	622	< 1.000		µg/L	GE	0
		Total organic halogens	< 5.0	19	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	50	50	66	100		µg/L	GE	0
		Tritium	< 7.0E-01	< 7.0E-01	< 5.1E-01	< 7.0E-01		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	1.4	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	9.1	2.6		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB123A**

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

<u>SAMPLE DATE</u>	01/14/92	04/10/92	07/17/92	10/12/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	172.2	172.2	171.7	171.7	ft msl
pH	9.0	8.4	8.5	9.2	pH
Sp. conductance	215	215	218	209	µS/cm
Water temperature	17.6	20.3	20.5	20.6	°C
Alkalinity as CaCO <sub>3</sub>	92	81	91	91	mg/L
Volume purged	4.0	4.0	4.0	2.2	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	20	< 20	< 20	25		µg/L	GE	1
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	69	66	69	65		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	39,900	39,000	40,100	38,100		µg/L	GE	0
		Chloride	2,580	2,520	2,450	2,500		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	111	< 100	151		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	83	88	71	77		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	767	740	725	751		µg/L	GE	0
		Manganese	11	10.0	8.0	5.6		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	< 50					µg/L		
		Nitrate-nitrite as nitrogen		< 50	< 50	< 50		µg/L	GE	0
		Nonvolatile beta	3.4E+00	< 2.0E+00	2.4E+00	3.5E+00		pCi/L	GE	0
		pH	9.0	8.4	8.7	8.8	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	1,470	1,460	1,410	1,340		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	46,200	44,600	46,600	44,800		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,940	2,750	2,700	2,800		µg/L	GE	0
		Specific conductance	239	200	210	190		µS/cm	GE	0
		Sulfate	8,140	9,140	9,320	9,820		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	< 1.0E+00	2.6E+00		pCi/L	GE	1
		Total dissolved solids	169,000	157,000	176,000	155,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	13	12	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	70	100	60	140		µg/L	GE	0
		Tritium	< 7.0E-01	< 7.0E-01	< 7.0E-01	< 7.0E-01		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB124A**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N72199.6 E58514.6	33.280931 °N 81.652966 °W	103.0-93.0 ft msl	266.2 ft msl		S	U. Congaree (IIA)

SAMPLE DATE 01/08/92

FIELD DATA

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation					ft msl
pH					pH
Sp. conductance					µS/cm
Water temperature					°C
Alkalinity as CaCO <sub>3</sub>					mg/L
Volume purged					Well vol.

**WELL HSB124AR**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N72202.7 E58531.7	33.280965 °N 81.652927 °W	104.6-94.6 ft msl	266.8 ft msl		S	U. Congaree (IIA)

SAMPLE DATE 03/01/92 04/14/92 07/17/92 10/12/92

FIELD DATA

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	172.1	172.2	172.0	172.1	ft msl
pH	7.1	7.0	6.9	7.1	pH
Sp. conductance	243	249	245	237	µS/cm
Water temperature	19.7	18.5	20.2	20.3	°C
Alkalinity as CaCO <sub>3</sub>	103	91	90	95	mg/L
Volume purged	4.0	4.0	4.0	3.3	Well vol.

ANALYTICAL DATA

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	47	45	41	32		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromoform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	39,000	41,200	40,600	42,300		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	2,670	2,750	2,780	2,780		µg/L	GE	0
		Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB124AR continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	<1.0	<1.0	1.9	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<1.0	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	111	127	131	126		µg/L	GE	0
		Gross alpha	2.2E+00	2.0E+00	2.5E+00	<2.0E+00		pCi/L	GE	0
		Iron	6.6	7.3	12	17		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	1,780	1,600	1,410	1,390		µg/L	GE	0
		Manganese	32	32	30	29		µg/L	GE	1
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	<50	320	<50	<50		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	2.8E+00	2.7E+00		pCi/L	GE	0
		pH	7.3	7.9	7.3	6.9	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	1,240	1,080	967	823	J1	µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	42,200	39,200	41,200	43,300		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	9,110	6,160	4,450	4,260		µg/L	GE	0
		Specific conductance	200	250	230	210		µS/cm	GE	0
		Sulfate	12,100	11,600	12,000	12,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity	-7.7E+02	8.7E+02	<1.0E+00	2.3E+00		pCi/L	GE	0
		Total alpha-emitting radium	1.6E+00	3.2E+00	<1.0E+00	2.3E+00		µg/L	GE	0
		Total dissolved solids	171,000	176,000	178,000	161,000	J6V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	44	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	90	100	110	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	1.7	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	<7.0E-01	<7.0E-01	<7.0E-01	<7.0E-01		pCi/mL	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB125C**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71503.6 E58592.8	33.279519 °N 81.651408 °W	155.6-145.6 ft msl	231.9 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

<u>SAMPLE DATE</u>	01/07/92	04/09/92	07/20/92	10/12/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	222.8	223.5	223.5	223.7	ft msl
pH	6.4	6.1	6.0	5.1	pH
Sp. conductance	75	62	56	28	µS/cm
Water temperature	17.8	19.0	20.6	19.2	°C
Alkalinity as CaCO <sub>3</sub>	25	19	15	5	mg/L
Volume purged	5.0	4.0	4.0	2.4	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	< 20	< 20	< 20	37		µg/L	GE	1
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	5.5	7.1	6.1	3.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	9.580	7.770	7.450	2.220		µg/L	GE	0
		Chloride	2.760	2.650	2.500	2.540		µg/L	GE	0
		Chromium	4.5	4.0	4.3	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	167	148	114	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	4.2	< 4.0	30		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	1,620	1,480	1,370	530		µg/L	GE	0
		Manganese	12	14	14	7.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	80					µg/L		
		Nitrate-nitrite as nitrogen		100	90	70		µg/L	GE	0
		Nonvolatile beta	2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		pH	6.0	6.4	6.2	5.2	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	574	536	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	12,500	12,000	12,500	12,200		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,840	1,940	1,780	1,940		µg/L	GE	0
		Specific conductance	78	58	58	30		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00	1.0E + 00		pCi/L	GE	0
		Total dissolved solids	40,000	44,000	41,000	23,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	9.8	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	140	140	93	120		µg/L	GE	0
		Tritium	2.5E + 00	3.3E + 00	2.5E + 00	2.9E + 00		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	9.2	11	11	12		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB125D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71498.2 E58584.1	33.279492 °N 81.651421 °W	219.4-199.4 ft msl	231.7 ft msl	4" PVC	V	Water table (IIB <sub>2</sub> )

<u>SAMPLE DATE</u>	01/07/92	04/09/92	07/20/92	10/26/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	220.7	221.0	220.9	220.7	ft msl
pH	5.1	5.0	5.0	4.7	pH
Sp. conductance	365	316	326	402	µS/cm
Water temperature	17.1	18.4	19.6	19.7	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.4	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	82	71	66	99		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	15	14	13	13		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	256	278	400	290	J2	µg/L	GE	0
		Chloride	3,240	2,810	3,020	3,620		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	8.4	8.6		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	3.1E+00		pCi/L	GE	0
		Iron	35	35	8.3	54		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	457	461	481	449		µg/L	GE	0
		Manganese	252	199	125	71		µg/L	GE	2
	■	Mercury	1.3	1.8	2.7	4.1		µg/L	GE	2
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
	■	Nitrate-nitrite as nitrogen	36,600	32,000	34,000	48,500		µg/L	GE	2
		Nonvolatile beta	4.7E+01	5.1E+01	3.6E+01	2.6E+01		pCi/L	GE	1
	●	pH	5.1	5.2	5.1	5.2	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	< 500	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	6,070	5,200	6,190	4,770		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	65,600	57,800	51,700	81,700	J2	µg/L	GE	0
		Specific conductance	355	300	270	400		µS/cm	GE	1
		Sulfate	5,490	7,920	7,480	10,200		µg/L	GE	0
		Total activity	6.5E+06	4.8E+06	4.0E+06	5.0E+06		pCi/L	EM	0
		Total alpha-emitting radium	2.4E+00	1.4E+00	2.1E+00	2.3E+00		pCi/L	GE	0
		Total dissolved solids	251,000	242,000	212,000	295,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	9.3	13	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	5.9E+03	5.1E+03	3.8E+03	4.7E+03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	3.1	4.2	8.8	5.8		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB126C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70827.7 E57178.2	33.275273 °N 81.653432 °W	181.3-176.3 ft msl	212.6 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/06/92	04/23/92	07/20/92	10/12/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	203.9	204.1	204.0	204.1	ft msl
pH	7.9	7.4	7.3	7.6	pH
Sp. conductance	212	213	215	215	µS/cm
Water temperature	17.5	17.9	18.6	18.1	°C
Alkalinity as CaCO <sub>3</sub>	65	64	63	62	mg/L
Volume purged	4.2	4.0	4.0	3.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20	J1	µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	15	21	20	12		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0	J2	µg/L	GE	0
		Calcium	34,500	34,200	34,600	37,300		µg/L	GE	0
		Chloride	2,760	2,730	2,620	2,710		µg/L	GE	0
		Chromium	4.6	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	105	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	6.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	1,340	1,360	1,410	1,540		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	4.400	52,000	6,100	5,900		µg/L	GE	1
		Nonvolatile beta	8.7E+00	9.8E+00	5.3E+00	3.1E+00		pCi/L	GE	0
		pH	8.0	8.0	7.8	7.9	J	pH	GE	0
		Phenols	< 5.0					µg/L	GE	0
		Potassium	609	705	690	861	J1	µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	26,400	28,300	26,700	28,100		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	5,680	5,200	5,070	5,270		µg/L	GE	0
		Specific conductance	210	180	210	195		µS/cm	GE	0
		Sulfate	1,300	1,430	1,380	1,220		µg/L	GE	0
		Total activity	2.9E+05	3.0E+05	3.0E+05	3.0E+05		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	5.9E+00	< 1.0E+00		pCi/L	GE	0
		Total dissolved solids	142,000	142,000	155,000	147,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	17	5.3	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	60	< 50	100	< 50		µg/L	GE	0
		Tritium	2.9E+02	3.0E+02	2.9E+02	3.0E+02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.



WELL HSB126D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70633.4 E57169.6	33.275272 °N 81.653466 °W	200.5-190.5 ft msl	212.7 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/07/92	04/23/92	07/21/92	10/13/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	205.3	205.9	205.6	205.7	ft msl
pH	4.8	4.5	4.4	4.4	pH
Sp. conductance	473	468	461	435	µS/cm
Water temperature	15.0	16.8	19.7	18.5	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	0.8	0.8	0.8	1.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	420	425	430	472		µg/L	GE	2
		Antimony	5.8	< 2.0	< 2.0	4.1		µg/L	GE	1
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	101	103	100	102		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	7.980	8.320	7.020	7.220		µg/L	GE	0
●		Chloride	4.760	3.720	3.810	3.910	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
●		Cyanide	< 5.0	6.0	< 5.0	< 5.0	J	µg/L	GE	0
		Fluoride	< 100	< 100	< 100	102		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	2.0E+00	3.4E+00		pCi/L	GE	0
		Iron	28	24	15	27		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	4.020	4.150	3.940	4.190		µg/L	GE	0
	■	Manganese	50	50	43	45		µg/L	GE	1
		Mercury	4.6	6.8	6.0	7.9		µg/L	GE	2
		Nickel	5.4	8.5	5.4	5.8		µg/L	GE	0
	■	Nitrate-nitrite as nitrogen	53.600	59.000	54.800	51.500		µg/L	GE	2
		Nonvolatile beta	3.7E+01	2.6E+01	2.3E+01	1.9E+01		pCi/L	GE	0
●		pH	4.7	4.7	4.6	4.9	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	719	739	733	649		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	8.140	7.620	8.160	8.190		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	66,900	69,100	69,400	74,800		µg/L	GE	0
		Specific conductance	355	400	395	430		µS/cm	GE	1
●		Sulfate	3.680	< 1.000	< 1.000	< 1.000	J	µg/L	GE	0
		Total activity	5.7E+06	5.5E+06	5.0E+06	5.2E+06		pCi/L	EM	0
		Total alpha-emitting radium	2.8E+00	3.5E+00	1.3E+00	4.9E+00		pCi/L	GE	1
●		Total dissolved solids	343,000	364,000	314,000	620,000	J6	µg/L	GE	0
		Total organic carbon	< 1.000	< 1.000	< 1.000	< 1.000		µg/L	GE	0
		Total organic halogens	47	6.4	6.9	6.7		µg/L	GE	0
		Total phosphates (as P)	50	60	< 50	< 50		µg/L	GE	0
	■	Tritium	5.5E+03	5.4E+03	4.8E+03	4.8E+03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	13	12	11	13		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

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WELL HSB127C

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

SAMPLE DATE	01/01/92	04/22/92	07/20/92	10/13/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	210.2	210.4	210.2	210.5	ft msl
pH	7.8	7.6	7.3	7.2	pH
Sp. conductance	274	274	273	267	µS/cm
Water temperature	17.9	19.3	19.8	19.5	°C
Alkalinity as CaCO <sub>3</sub>	76	86	93	80	mg/L
Volume purged	4.0	4.0	4.0	2.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	9.9	17	17	4.5		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	46,700	47,000	45,900	46,600	J2	µg/L	GE	0
		Chloride	3,280	3,300	3,110	3,220		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	11	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	818	809	814	873		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
	■	Nitrate-nitrite as nitrogen	9,200	9,900	11,000	10,200		µg/L	GE	2
		Nonvolatile beta	5.5E+00	1.8E+01	1.8E+01	1.3E+01		pCi/L	GE	0
	●	pH	7.6	7.8	7.8	7.4	J	pH	GE	0
		Phenols	< 5.0					µg/L	GE	0
		Potassium	< 500	< 500	1,090	500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	14,600	15,100	14,100	14,300		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	4,960	4,940	5,380	5,710		µg/L	GE	0
		Specific conductance	260	258	260	245		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total activity	1.1E+06	1.0E+06	1.0E+06	1.0E+06		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	3.4E+01	< 1.0E+00		pCi/L	GE	0
		Total dissolved solids	194,000	178,000	198,000	202,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	7.9	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	1.1E+03	1.0E+03	9.5E+02	9.6E+02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	4.9	3.0	4.8	3.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

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WELL HSB127D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71218.9 E56788.0	33 275945 °N 81.655608 °W	217 8-197 8 ft msl	226 1 ft msl	4" PVC	S	Water table (H <sub>2</sub> O)

SAMPLE DATE	01/01/92	04/22/92	07/20/92	10/18/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	217.9	218.5	218.3	218.1	ft msl
pH	4.7	4.4	4.5	4.5	pH
Sp. conductance	234	227	238	234	µS/cm
Water temperature	18.1	18.7	19.9	19.9	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	6.9	4.0	4.0	17.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	114	129	110	175		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	15	16	15	15		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	1,330	1,460	1,330	1,260		µg/L	GE	0
		Cerium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
●		Chloride	2,240	1,920	1,920	1,910	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	< 4.0	4.7	4.2	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	5.4	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E+01	< 4.0E+01		pCi/L	GP	0
		Europium-154			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Europium-155			< 3.0E+01	< 3.0E+01		pCi/L	GP	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	4.4E+00	8.1E+00	2.1E+00	8.3E+00		pCi/L	GE	1
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	14	22	20	47		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	1,240	1,360	1,280	1,260		µg/L	GE	0
		Manganese	262	349	323	308		µg/L	GE	2
		Manganese-54			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
■		Mercury	2.6	3.4	3.1	4.3		µg/L	GE	2
		Nickel	< 4.0	5.9	4.4	5.0		µg/L	GE	0
		Niobium-95			< 1.5E+01			pCi/L		
■		Nitrate-nitrite as nitrogen	35,600	26,000	25,500	23,400		µg/L	GE	2
■		Nonvolatile beta	7.0E+01	6.1E+01	5.0E+01	6.7E+01		pCi/L	GE	2
●		pH	4.9	4.9	4.7	4.8	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	508	604	< 500	< 500		µg/L	GE	0
		Potassium-40			< 1.1E+02	< 1.1E+02		pCi/L	GP	0
		Promethium-144			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Promethium-146			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Ruthenium-106			< 9.0E+01	< 9.0E+01		pCi/L	GP	0
		Ruthenium-106			< 1.3E+02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB127D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	6.260	6.310	6.170	5.870		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	37.200	37.400	38.200	39.800		µg/L	GE	0
		Sodium-22			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Specific conductance	188	162	188	222		µS/cm	GE	0
•		Sulfate	25.400	5.350	4.320	4.400	J	µg/L	GE	0
		Total activity	1.1E+07	9.7E+06	7.6E+06	7.8E+06		pCi/L	EM	0
		Total alpha-emitting radium	4.7E+00	3.6E+00	3.0E+00	4.3E+00		pCi/L	GE	1
•		Total dissolved solids	176.000	172.000	147.000	158.000	J6V	µg/L	GE	0
		Total organic carbon	< 1.000	< 1.000	< 1.000	< 1.000		µg/L	GE	0
		Total organic halogens	6.7	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
■		Tritium	1.1E+04	8.0E+03	7.4E+03	7.5E+03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Zinc	5.2	3.9	3.1	2.9		µg/L	GE	0
		Zinc-65			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Zirconium-95			< 2.0E+01	< 2.0E+01		pCi/L	GP	0

WELL HSB129C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71830.4 E55110.0	33.274559 °N 81.661214 °W	157.8-147.8 ft msl	215.1 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/13/92	04/23/92	07/21/92	10/21/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	205.8	196.9	206.3	205.9	ft msl
pH	5.2	5.4	5.6	5.5	pH
Sp. conductance	209	210	178	183	µS/cm
Water temperature	17.6	20.0	19.6	16.2	°C
Alkalinity as CaCO <sub>3</sub>	1	1	5	8	mg/L
Volumes purged	4.0	4.8	0.9	0.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	93	94	49	284		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	57	56	47	54		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	16.400	16.800	13.700	13.600	J2	µg/L	GE	0
		Cerium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
•		Chloride	4.240	4.020	3.770	4.320	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E+02	< 1.2E+02		pCi/L	GP	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	5.7		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E+01	< 4.0E+01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

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- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB129C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	108	104	129	117		µg/L	GE	0
		Gross alpha	3.3E + 00	2.9E + 00	< 2.0E + 00	4.0E + 00		pCi/L	GE	0
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	4.1	< 4.0	22	852	J24	µg/L	GE	2
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	4,090	4,110	3,210	3,590		µg/L	GE	0
		Manganese	47	47	47	61		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	6.8	7.5	6.0	7.1		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	21,000	21,000	13,500	16,000		µg/L	GE	2
		Nonvolatile beta	1.2E + 02	3.2E + 01	5.0E + 01	4.3E + 01		pCi/L	GE	1
	●	pH	5.6	5.5	6.1	6.0	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,140	1,450	2,830	2,490		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	10,800	10,200	10,900	10,300		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	11,300	11,500	9,510	11,100	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	205	180	160	180		µS/cm	GE	0
	●	Sulfate	< 1,000	< 1,000	< 1,000	< 1,000	J	µg/L	GE	0
		Total activity	2.6E + 06	2.4E + 06	1.9E + 06	2.0E + 06		pCi/L	EM	0
		Total alpha-emitting radium	3.4E + 00	2.4E + 00	< 1.0E + 00	2.4E + 00		pCi/L	GE	0
	●	Total dissolved solids	173,000	166,000	136,000	150,000	J	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
	●	Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Total phosphates (as P)	150	120	270	380		µg/L	GE	0
	■	Tritium	2.5E + 03	2.4E + 03	1.8E + 03	1.9E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	92	92	235	301		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB129D**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71837.1 E55103.4	33.274563 °N 81.661244 °W	205 2-185 2 ft msl	214 7 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/13/92	04/23/92	07/21/92	10/20/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	208 9	209 2	209 0	208 6	ft msl
pH	4.5	4.3	4.5	4.4	pH
Sp. conductance	332	330	287	302	µS/cm
Water temperature	17.0	17.1	18.6	19.4	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	3.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	174	152	132	146		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	45	35	28	31		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	3.890	2.940	1.970	2.060	J2	µg/L	GE	0
		Cerium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
•		Chloride	4.880	4.200	4.090	4.090	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E+01	< 4.0E+01		pCi/L	GP	0
		Europium-154			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Europium-155			< 3.0E+01	< 3.0E+01		pCi/L	GP	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	8.7E+00	3.4E+00	4.6E+00	4.2E+00		pCi/L	GE	0
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	4.8	5.0	< 4.0	4.2		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	3.230	2.450	1.840	2.000		µg/L	GE	0
		Manganese	17	12	9.2	9.7		µg/L	GE	0
		Manganese-54			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Mercury	0.67	0.51	0.54	0.58		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Niobium-95			< 1.5E+01			pCi/L		
■		Nitrate-nitrite as nitrogen	46.500	40.000	36.000	33.000		µg/L	GE	2
■		Nonvolatile beta	1.2E+02	5.2E+01	7.1E+01	5.6E+01		pCi/L	GE	2
•		pH	4.8	4.7	4.6	5.0	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	< 500	< 500		µg/L	GE	0
		Potassium-40			< 1.1E+02	< 1.1E+02		pCi/L	GP	0
		Promethium-144			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Promethium-146			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Ruthenium-106			< 9.0E+01	< 9.0E+01		pCi/L	GP	0
		Ruthenium-106			< 1.3E+02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB129D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	7,250	6,870	6,970	6,250		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	60,300	53,500	47,900	53,100	J2	µg/L	GE	0
		Sodium-22			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Specific conductance	325	288	330	270		µS/cm	GE	1
●		Sulfate	3,160	1,260	1,230	1,290	J	µg/L	GE	0
		Total activity	8.6E+06	7.0E+06	5.1E+06	5.5E+06		pCi/L	EM	0
		Total alpha-emitting radium	9.0E+00	3.3E+00	1.9E+00	4.9E+00		pCi/L	GE	1
●		Total dissolved solids	238,000	265,000	256,000	199,000	J	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
■		Tritium	7.2E+03	6.9E+03	6.3E+03	5.1E+03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Zinc	3.9	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Zinc-65			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Zirconium-95			< 2.0E+01			pCi/L		0

WELL HSB130C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70762.4 E54643.6	33.271436 °N 81.660367 °W	169.9-159.9 ft msl	218.3 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/15/92	04/10/92	07/20/92	10/16/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	200.2	200.1	200.0	200.1	ft msl
pH	8.1	7.8	7.6	7.8	pH
Sp. conductance	181	168	169	169	µS/cm
Water temperature	17.1	18.4	18.6	18.4	°C
Alkalinity as CaCO <sub>3</sub>	78	69	68	69	mg/L
Volume purged	4.0	4.0	4.0	4.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	23	23	21	14		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	30,100	30,500	32,700	32,000	J2	µg/L	GE	0
		Chloride	2,160	2,070	1,970	2,050		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	4.2		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	663	700	660	726		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB130C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Nitrate as nitrogen	180					µg/L		
		Nitrate-nitrite as nitrogen		200	330	220		µg/L	GE	0
		Nonvolatile beta	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		pH	8.0	8.0	8.0	7.7	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	602	857	623	500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	14,800	14,700	15,400	14,600		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,110	2,170	1,870	2,080		µg/L	GE	0
		Specific conductance	185	160	160	150		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	< 1.0E+00	< 1.0E+00		pCi/L	GE	0
		Total dissolved solids	2,000	93,000	103,000	99,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	11	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	50	< 50	< 50		µg/L	GE	0
		Tritium	< 7.0E-01	< 7.0E-01	7.1E-01	1.1E+00		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

WELL HSB130D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70757.2 E54651.7	33.271438 °N 81.660336 °W	202.1-182.1 ft msl	218.6 ft msl	4" PVC	S	Water table (IB <sub>2</sub> )

SAMPLE DATE	01/15/92	04/10/92	07/20/92	10/16/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	200.6	200.5	200.4	200.3	ft msl
pH	6.7	6.2	6.3	6.1	pH
Sp. conductance	96	88	90	72	µS/cm
Water temperature	17.3	19.8	20.8	19.2	°C
Alkalinity as CaCO <sub>3</sub>	37	32	22	24	mg/L
Volume purged	4.0	4.0	4.0	2.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	9.1	8.7	8.1	5.3		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	15,300	14,300	16,600	12,400		µg/L	GE	0
		Chloride	1,870	1,590	1,680	1,890		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	4.6		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	14		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	727	725	656	790		µg/L	GE	0
		Manganese	3.1	3.2	2.8	4.2		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB130D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	310					µg/L	GE	0
		Nitrate-nitrite as nitrogen		330	380	740		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
•		pH	6.7	6.8	6.6	6.9	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	8,600	8,000	8,510	7,930		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,330	1,340	1,260	1,390		µg/L	GE	0
		Specific conductance	90	89	88	75		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	60,000	55,000	57,000	47,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Tritium	1.0E+01	1.1E+01	9.6E+00	9.3E+00		pCi/mL	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	13	15	15	24		µg/L	GE	0

WELL HSB131C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70374.7 E56894.9	33.274252 °N 81.653687 °W	158.5-148.5 ft msl	211.7 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/10/92	04/03/92	07/20/92	10/16/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	203.6	203.9	203.6	203.7	ft msl
pH	8.0	7.8	7.5	7.6	pH
Sp. conductance	222	227	224	223	µS/cm
Water temperature	17.2	17.4	18.6	18.2	°C
Alkalinity as CaCO <sub>3</sub>	85	85	84	80	mg/L
Volume purged	4.0	4.0	4.0	4.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	<20	<20	<20		µg/L	GE	0
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	22	22	21	10		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	40,600	38,200	43,400	42,600		µg/L	GE	0
		Chloride	2,730	2,620	2,480	2,580		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	3.2		µg/L	GE	0
		Magnesium	696	697	658	730		µg/L	GE	0
		Manganese	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB131C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	3,400	2,940	3,380	3,400		µg/L	GE	0
		Nonvolatile beta	2.4E+00	<2.0E+00	<2.0E+00	2.8E+00		pCi/L	GE	0
		pH	8.0	8.0	7.9	7.8	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	654	632	818	736		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	16,400	16,400	16,900	15,200		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	3,480	3,510	3,230	3,620		µg/L	GE	0
		Specific conductance	202	188	218	220		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	133,000	143,000	161,000	143,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	70	<50	<50		µg/L	GE	0
		Tritium	1.8E+02	1.8E+02	1.6E+02	1.6E+02		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

WELL HSB131D

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

SAMPLE DATE	01/10/92	04/03/92	07/20/92	10/26/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	205.1	205.3	205.8	205.4	ft msl
pH	5.2	4.7	4.9		pH
Sp. conductance	27	28	25		µS/cm
Water temperature	15.1	14.8	20.6		°C
Alkalinity as CaCO <sub>3</sub>	1	0	0		mg/L
Volume purged	5.2	4.0	5.3		Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	<20	36			µg/L		
		Antimony	4.4	<2.0	<2.0			µg/L		
		Arsenic	<2.0	<2.0	<2.0			µg/L		
		Barium	27	24	25			µg/L		
		Cadmium	<2.0	<2.0	<2.0			µg/L		
		Calcium	1,700	1,500	1,530			µg/L		
		Chloride	1,620	1,240	1,050			µg/L		
		Chromium	<4.0	<4.0	<4.0			µg/L		
		Cobalt	<4.0	<4.0	<4.0			µg/L		
		Copper	<4.0	<4.0	<4.0			µg/L		
		Cyanide	<5.0	<5.0	<5.0			µg/L		
		Fluoride	<100	290	<100			µg/L		
		Gross alpha	4.4E+00	<2.0E+00	<2.0E+00			pCi/L		
		Iron	430	123	326			µg/L		
		Lead	<3.0	<3.0	<3.0			µg/L		
		Magnesium	705	674	577			µg/L		
		Manganese	16	8.7	11			µg/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB131D continued

ANALYTICAL DATA

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Mercury	< 0.20	< 0.20	< 0.20			µg/L		
		Nickel	< 4.0	< 4.0	< 4.0			µg/L		
		Nitrate-nitrite as nitrogen	520	290	290			µg/L		
		Nonvolatile beta	7.7E + 00	< 2.0E + 00	< 2.0E + 00			pCi/L		
		pH	5.4	5.4	5.2			pH		
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	597			µg/L		
		Selenium	< 2.0	< 2.0	< 2.0			µg/L		
		Silica	5.620	5.190	5.990			µg/L		
		Silver	< 2.0	< 2.0	< 2.0			µg/L		
		Sodium	774	804	690			µg/L		
		Specific conductance	25	22	25			µS/cm		
		Sulfate	2.630	2.620	2.040			µg/L		
		Total alpha-emitting radium	2.8E + 00	< 1.0E + 00	< 1.0E + 00			pCi/L		
		Total dissolved solids	17,000	21,000	19,000			µg/L		
		Total organic carbon	< 1.000	< 1.000	< 1.000			µg/L		
		Total organic halogens	< 5.0	< 5.0	< 5.0			µg/L		
		Total phosphates (as P)	< 50	< 50	< 50			µg/L		
		Tritium	1.1E + 01	8.6E + 00	9.3E + 00			pCi/mL		
		Vanadium	< 8.0	< 8.0	< 8.0			µg/L		
		Zinc	< 2.0	2.6	2.5			µg/L		

WELL HSB132C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71472.4 E58787.7	33.279768 °N 81.650835 °W	178.6-168.6 ft msl	240.5 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

<u>SAMPLE DATE</u>	<u>01/10/92</u>	<u>04/03/92</u>	<u>07/24/92</u>	<u>10/21/92</u>

FIELD DATA

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	221.0	221.5	221.4	221.5	ft msl
pH	5.4	4.4	5.2	4.9	pH
Sp. conductance	29	34	31	29	µS/cm
Water temperature	18.0	17.2	20.5	18.0	°C
Alkalinity as CaCO <sub>3</sub>	2	1	3	2	mg/L
Volume purged	4.0	4.0	0.9	0.9	Well vol.

ANALYTICAL DATA

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	47	67	34	96		µg/L	GE	2
		Antimony	6.3	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	3.8	4.4	4.3	4.7		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	762	707	801	736	J2	µg/L	GE	0
		Chloride	2,700	2,570	2,420	2,440		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	5.1	11		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	14	18	23	1,020	4	µg/L	GE	2
		Lead	< 3.0	< 3.0	< 3.0	16		µg/L	GE	2
		Magnesium	298	306	293	323		µg/L	GE	0
		Manganese	14	12	10	15		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB132C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	90	110	150	<50		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
•		pH	5.6	5.8	6.0	5.9	J	pH	GE	0
		Phenols	<5.0					µg/L	GE	0
		Potassium	583	621	609	<500	J1	µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	9,620	9,610	9,730	9,060		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	3,470	3,740	4,240	4,440		µg/L	GE	0
		Specific conductance	29	25	30	30		µS/cm	GE	0
		Sulfate	2,080	2,090	2,560	2,130		µg/L	GE	0
		Total alpha-emitting radium	1.7E+00	<1.0E+00	<1.0E+00	<1.0E+00	JV	pCi/L	GE	0
•		Total dissolved solids	22,000	22,000	26,000	24,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	10	<5.0	<5.0	7.0		µg/L	GE	0
		Total phosphates (as P)	120	210	330	80		µg/L	GE	0
		Tritium	<7.0E-01	<7.0E-01	<7.0E-01	<7.0E-01		pCi/mL	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	10	12	12	47		µg/L	GE	0

WELL HSB132D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71469.5 E58799.3	33.279780 °N 81.650798 °W	226.5-206.5 ft msl	240.7 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/10/92	04/03/92	07/24/92	10/21/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	220.5	221.1	220.9	221.0	ft msl
pH	5.1	4.1	4.9	4.8	pH
Sp. conductance	21	23	19	20	µS/cm
Water temperature	18.4	18.0	18.2	18.1	°C
Alkalinity as CaCO <sub>3</sub>	1	1	1	1	mg/L
Volume purged	4.0	4.0	0.7	0.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	<20	<20	685		µg/L	GE	2
		Antimony	5.8	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	5.7	6.4	7.9	9.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0	J2	µg/L	GE	0
		Calcium	562	524	640	587		µg/L	GE	0
		Chloride	2,390	2,090	1,830	1,960		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	4.7	<4.0	9.2	21		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	35	238		µg/L	GE	1
		Lead	<3.0	<3.0	<3.0	5.0		µg/L	GE	0
		Magnesium	411	378	425	491		µg/L	GE	0
		Manganese	11	8.8	12	13		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.  
 • = exceeded holding time for 4th quarter 1992.  
 ■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB132D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<4.0	<4.0	5.3	4.8		µg/L	GE	0
		Nitrate-nitrite as nitrogen	860	770	720	650		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	2.4E+00		pCi/L	GE	0
●		pH	5.4	5.4	5.4	5.4	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	6,830	6,880	6,860	8,000		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,930	1,810	1,570	1,780		µg/L	GE	0
		Specific conductance	20	20	20	20		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	11,000	20,000	18,000	20,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	35	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Tritium	1.6E+01	2.0E+01	1.7E+01	1.7E+01		pCi/mL	GE	1
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	9.1	7.0	9.0	25		µg/L	GE	0

WELL HSB133C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71949.5 E59110.3	33.281349 °N 81.650912 °W	183.3-173.3 ft msl	255.6 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/03/92	04/03/92	07/17/92	10/16/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	230.3	235.6	230.4	231.0	ft msl
pH	6.0	5.5	5.7	5.9	pH
Sp. conductance	45	44	42	44	µS/cm
Water temperature	18.0	18.6	19.9	19.7	°C
Alkalinity as CaCO <sub>3</sub>	11	7	10	10	mg/L
Volume purged	4.0	3.7	4.0	3.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	<20	<20	22		µg/L	GE	0
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	5.0	5.5	5.4	5.2		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	4,150	3,800	3,800	4,430		µg/L	GE	0
		Chloride	2,630	2,690	2,500	2,640		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	4.2		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	120	106	<100	104		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	<4.0	6.5		µg/L	GE	0
		Lead	<3.0	<3.0	3.5	<3.0		µg/L	GE	0
		Magnesium	467	495	446	532		µg/L	GE	0
		Manganese	5.6	5.3	4.3	5.3		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB133C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	70	<50	<50	<50		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	3.4E+00		pCi/L	GE	0
•		pH	5.9	6.2	6.2	6.6	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	1,110	1,180	1,220	1,240		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	13,300	14,600	14,000	13,500		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	2,290	2,330	2,350	2,590		µg/L	GE	0
		Specific conductance	45	35	40	40		µS/cm	GE	0
		Sulfate	<1,000	<1,000	1,010	<1,000		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	39,000	33,000	38,000	40,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	230	140	230	140		µg/L	GE	0
		Tritium	<7.0E-01	<7.0E-01	<7.0E-01	<7.0E-01		pCi/mL	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	4.7	4.8	5.6	5.7		µg/L	GE	0

WELL HSB133D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71943.5 E59102.3	33.281323 °N 81.650921 °W	228.5-208.5 ft msl	255.3 ft msl	4" PVC	S	Water table (IIB <sub>7</sub> )

SAMPLE DATE	01/03/92	04/03/92	07/17/92	10/16/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	234.8	235.4	235.2	230.5	ft msl
pH	5.5	5.3	5.2	5.3	pH
Sp. conductance	72	72	69	68	µS/cm
Water temperature	17.3	18.1	18.9	18.7	°C
Alkalinity as CaCO <sub>3</sub>	5	6	5	5	mg/L
Volume purged	4.3	4.3	5.3	16.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	<20	<20	156		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	1,780	1,610	1,440	1,260		µg/L	GE	0
•		Chloride	6,100	5,700	6,070	6,540	J6	µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	8.7	13	4.7	64		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	104	133	109	113		µg/L	GE	0
		Manganese	3.1	4.0	3.4	3.7		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB133D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	480	500	470	530		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	5.2	5.9	5.6	5.9	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	6,970	7,280	6,810	6,520		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	10,600	10,000	10,500	11,500		µg/L	GE	0
		Specific conductance	70	57	68	61		µS/cm	GE	0
		Sulfate	6,090	6,620	6,660	6,440		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	1.0E+00	<1.0E+00	1.6E+00		pCi/L	GE	0
		Total dissolved solids	48,000	45,000	53,000	43,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	6.3	13	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	80	<50	<50		µg/L	GE	0
		Tritium	3.5E+01	3.3E+01	2.9E+01	3.0E+01		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

WELL HSB134C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71210.3 E58289.9	33.278376 °N 81.651636 °W	159.1-149.1 ft msl	238.4 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/07/92	04/09/92	07/22/92	10/16/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	220.6	220.8	220.9	221.2	ft msl
pH	5.8	5.5	5.4	5.2	pH
Sp. conductance	49	46	43	39	µS/cm
Water temperature	18.0	19.1	19.4	19.3	°C
Alkalinity as CaCO <sub>3</sub>	7	5	4	2	mg/L
Volume purged	4.0	4.0	4.0	2.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	25	26	27	37		µg/L	GE	1
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	6.6	7.6	6.9	7.1		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	4,400	3,440	3,470	2,960		µg/L	GE	0
		Chloride	3,020	2,940	2,720	2,810		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	<100	<100	117	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	<4.0	8.5		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	1,000	1,090	1,100	1,330		µg/L	GE	0
		Manganese	18	20	21	23		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB134C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	1.300					µg/L		
		Nitrate-nitrite as nitrogen		1.440	1.460	1.380		µg/L	GE	0
		Nonvolatile beta	< 2.0E+00	< 2.0E+00	1.6E+01	3.0E+00		pCi/L	GE	0
●		pH	5.6	5.9	5.8	5.8	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	508	733	564	518		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	14.700	14.700	14.700	13.900		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,030	2,210	2,040	2,200		µg/L	GE	0
		Specific conductance	45	43	40	40		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	< 1.0E+00	< 1.0E+00		pCi/L	GE	0
		Total dissolved solids	38,000	45,000	39,000	53,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	60	< 50	< 50		µg/L	GE	0
■		Tritium	4.2E+01	4.3E+01	3.8E+01	3.6E+01		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	4.5	3.7	4.6	5.1		µg/L	GE	0

WELL HSB134D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71217.3 E58296.5	33.278402 °N 81.651633 °W	225.8-205.8 ft msl	238.1 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/07/92	04/09/92	07/22/92	10/18/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.3	222.4	222.1	222.0	ft msl
pH	4.4	4.4	4.2	4.2	pH
Sp. conductance	114	144	120	141	µS/cm
Water temperature	17.8	18.2	19.3	19.4	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	3.2	Well vol

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	235	244	299	473		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	24	26	29	40		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	385	410	585	645		µg/L	GE	0
		Cerium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Chloride	2,620	2,320	1,830	1,910		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			< 1.0E+01	< 1.0E+01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

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Well HSB134D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Europium-152			<4.0E+01	<4.0E+01		pCi/L	GP	0
		Europium-154			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Europium-155			<3.0E+01	<3.0E+01		pCi/L	GP	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	2.3E+00	3.3E+00	<2.0E+00	1.2E+01		pCi/L	GE	1
		Iodine-131			<2.0E+01			pCi/L		
		Iron	8.3	21	11	11		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	751	789	961	1,280		µg/L	GE	0
		Manganese	66	67	90	113		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Mercury	0.60	0.48	0.38	0.80		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
		Nitrate-nitrite as nitrogen	10,200	15,800	12,000	13,800		µg/L	GE	2
		Nonvolatile beta	2.6E+02	3.2E+02	4.6E+02	3.4E+02		pCi/L	GE	2
		pH	4.6	4.7	4.5	5.1	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Potassium-40			<1.1E+02	<1.1E+02		pCi/L	GP	0
		Promethium-144			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Promethium-146			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Ruthenium-106			<9.0E+01	<9.0E+01		pCi/L	GP	0
		Ruthenium-106			<1.3E+02			pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	6.570	6.190	6.630	7.250		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	13,500	22,200	15,000	20,400		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	110	132	110	125		µS/cm	GE	0
		Sulfate	1,810	<1,000	1,290	1,610		µg/L	GE	0
		Total activity	1.6E+06	1.5E+06	8.9E+05	1.1E+06		pCi/L	EM	0
		Total alpha-emitting radium	3.3E+00	1.1E+01	2.7E+00	8.4E+00		pCi/L	GE	2
		Total dissolved solids	70,000	104,000	79,000	73,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	39	38	5.5	11		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Tritium	1.5E+03	1.6E+03	8.6E+02	9.5E+02		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Yttrium-88			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Zinc	2.6	<2.0	4.3	4.5		µg/L	GE	0
		Zinc-65			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Zirconium-95			<2.0E+01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB135C**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71390.2 E56560.8	33.275953 °N 81.656539 °W	157.3-147.3 ft msl	232 ft msl	4" PVC	S	Barnwell (IB <sub>1</sub> )

<u>SAMPLE DATE</u>	01/09/92	04/22/92	07/22/92	10/18/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	206.7	207.0	206.7	206.9	ft msl
pH	7.9	7.7	7.5	8.3	pH
Sp. conductance	208	205	203	211	µS/cm
Water temperature	18.5	19.1	19.7	19.3	°C
Alkalinity as CaCO <sub>3</sub>	99	88	93	95	mg/L
Volume purged	4.0	4.0	5.0	3.3	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	< 20	< 20	27	1,210	4	µg/L	GE	2
		Antimony	3.5	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	11	17	16	24		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	38,600	37,600	38,500	47,300		µg/L	GE	0
		Chloride	2,750	2,680	2,550	2,600		µg/L	GE	0
		Chromium	4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	387	120		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	5.0E+00	2.6E+00		pCi/L	GE	0
		Iron	9.8	7.6	11	1,320	4	µg/L	GE	2
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	535	519	515	705		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	42	4	µg/L	GE	1
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	650					µg/L		
		Nitrate-nitrite as nitrogen		680	890	1,320		µg/L	GE	0
		Nonvolatile beta	< 2.0E+00	4.3E+00	1.3E+01	5.0E+00		pCi/L	GE	0
		pH	8.0	7.9	8.0	8.2	J	pH	GE	1
		Phenols	6.0					µg/L		
		Potassium	< 500	< 500	< 500	535		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	29,200	28,100	27,600	33,200		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,690	1,690	1,670	2,030		µg/L	GE	0
		Specific conductance	201	200	200	190		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	2.0E+00	1.2E+00		pCi/L	GE	0
		Total dissolved solids	138,000	138,000	142,000	125,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	15	30	< 5.0	5.7		µg/L	GE	0
		Total phosphates (as P)	690	430	3,820	1,100		µg/L	GE	0
		Tritium	4.7E+01	5.1E+01	6.2E+01	4.6E+01		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	2.6		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

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WELL HSB135D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71396.7 E56552.8	33.275954 °N 81.656572 °W	219.9-199.9 ft msl	232.3 ft msl	4" PVC	S	Water table (IIB <sub>J</sub> )

SAMPLE DATE	01/09/92	04/22/92	07/22/92	10/18/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	217.8	218.6	218.4	218.2	ft msl
pH	5.1	4.8	4.8	4.9	pH
Sp. conductance	53	53	55	55	µS/cm
Water temperature	18.4	18.9	20.9	20.3	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	5.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	75	25	176		µg/L	GE	2
		Antimony	6.1	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	< 3.0	7.6	3.6	7.6		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	152	339	201	231		µg/L	GE	0
		Chloride	2,240	2,360	2,180	2,140		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	4.7		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	4.1E + 00		pCi/L	GE	0
		Iron	48	4.5	5.4	13		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	230	393	261	358		µg/L	GE	0
		Manganese	8.4	22	9.3	22		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	0.30		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	3,860					µg/L		
		Nitrate-nitrite as nitrogen		3,900	4,400	3,800		µg/L	GE	0
■		Nonvolatile beta	1.7E + 01	6.8E + 01	2.1E + 01	8.1E + 01		pCi/L	GE	2
●		pH	5.4	5.3	5.2	5.5	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	< 500	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	6,730	7,270	7,310	6,730		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	8,100	7,740	9,310	9,390		µg/L	GE	0
		Specific conductance	50	50	48	55		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total activity		2.9E + 05	1.4E + 05	2.6E + 05		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E + 00	1.8E + 00	< 1.0E + 00	1.8E + 00		pCi/L	GE	0
		Total dissolved solids	36,000	38,000	37,000	38,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	130	< 50	< 50	< 50		µg/L	GE	0
■		Tritium	2.8E + 02	3.4E + 02	1.5E + 02	2.7E + 02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	4.4	6.3	4.8	6.3		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB136C**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71900.3 E55949.6	33.276084 °N 81.659139 °W	170.5-160 5 ft msl	227.9 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/13/92	04/27/92	07/21/92	10/21/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	217.1	217.7	217.6	217.5	ft msl
pH	6.0	5.7	9.6	8.9	pH
Sp. conductance	425	421	421	418	µS/cm
Water temperature	19.3	19.1	21.1	18.6	°C
Alkalinity as CaCO <sub>3</sub>	11	11	33	29	mg/L
Volume purged	4.0	4.1	0.8	0.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	50	57	86	241		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	75	75	67	69		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	13,500	14,400	20,500	15,900	J2	µg/L	GE	0
		Cerium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Chloride	4,220	3,810	3,800	4,130	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E+01	< 4.0E+01		pCi/L	GP	0
		Europium-154			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Europium-155			< 3.0E+01	< 3.0E+01		pCi/L	GP	0
		Fluoride	111	104	137	118		µg/L	GE	0
		Gross alpha	7.3E+00	6.9E+00	3.1E+00	1.2E+01		pCi/L	GE	1
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	< 4.0	< 4.0	< 4.0	160		µg/L	GE	1
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	4,450	4,380	2,280	3,960		µg/L	GE	0
		Manganese	75	79	8.6	21		µg/L	GE	0
		Manganese-54			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	5.5	4.3	< 4.0	< 4.0		µg/L	GE	0
		Niobium-95			< 1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	41,500	44,200	37,600	38,400		µg/L	GE	2
	■	Nonvolatile beta	1.5E+02	5.2E+01	8.7E+01	1.1E+02		pCi/L	GE	2
		pH	6.2	6.6	10	9.2	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	2,090	2,510	7,230	4,400		µg/L	GE	0
		Potassium-40			< 1.1E+02	< 1.1E+02		pCi/L	GP	0
		Promethium-144			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Promethium-146			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Ruthenium-106			< 9.0E+01	< 9.0E+01		pCi/L	GP	0
		Ruthenium-106			< 1.3E+02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB136C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	11,300	11,000	9,080	8,330		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	56,500	58,600	51,900	58,900	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	410	355	345	380		µS/cm	GE	1
●		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000	J	µg/L	GE	0
		Total activity	1.1E + 07	7.4E + 06	8.4E + 06	9.3E + 06		pCi/L	EM	0
		Total alpha-emitting radium	2.9E + 00	3.3E + 00	2.3E + 00	4.1E + 00		pCi/L	GE	1
●		Total dissolved solids	344,000	330,000	286,000	286,000	J	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	2,830	1,600		µg/L	GE	0
●		Total organic halogens	6.3	36	< 5.0	< 5.0	J	µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	50	< 50		µg/L	GE	0
■		Tritium	1.1E + 04	1.0E + 04	8.1E + 03	9.0E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	18	19	< 2.0	11		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL HSB136D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71906.0 E55941.7	33.276084 °N 81.659171 °W	220.2-200.2 ft msl	228 ft msl	4" PVC	V	Water table (H <sub>2</sub> O)

SAMPLE DATE	01/13/92	04/27/92	07/21/92	10/26/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	220.6	221.2	221.1	220.6	ft msl
pH	4.0	3.8	4.0	4.0	pH
Sp. conductance	276	285	252	321	µS/cm
Water temperature	18.9	17.8	19.9	21.0	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	2.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	4,740	3,920	4,180	4,710		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	99	88	86	94		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	3.3	< 2.0		µg/L	GE	0
		Calcium	3,040	2,970	2,880	2,760	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Chloride	3,060	1,930	1,910	1,610		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	8.1	8.5	8.9	8.2		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			1.5E + 02	1.7E + 02		pCi/L	GP	2
		Cobalt-60			1.2E + 02			pCi/L		
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB136D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	474	316	376	415		µg/L	GE	0
■		Gross alpha	5.0E + 01	9.7E + 01	6.0E + 01	1.2E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	6.9	4.3	< 4.0	20		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	1,170	1,230	1,190	1,390		µg/L	GE	0
		Manganese	370	400	398	416		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	14	14	13	12		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
■		Nitrate-nitrite as nitrogen	29,000	28,400	27,400	28,600		µg/L	GE	2
■		Nonvolatile beta	2.1E + 03	2.8E + 03	2.0E + 03	2.7E + 03		pCi/L	GE	2
●		pH	4.0	4.2	4.1	4.1	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,230	1,540	1,460	1,510		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	13,600	11,100	11,800	10,800		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	23,800	25,600	22,100	20,800	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	278	248	220	260		µS/cm	GE	1
		Sulfate	19,300	3,830	3,640	4,060		µg/L	GE	0
		Total activity	7.7E + 06	5.7E + 06	4.4E + 06	5.4E + 06		pCi/L	EM	0
■		Total alpha-emitting radium	7.4E + 01	5.5E + 01	4.4E + 01	6.5E + 01		pCi/L	GE	2
		Total dissolved solids	178,000	163,000	123,000	140,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	5.0	24	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
■		Tritium	8.8E + 03	6.2E + 03	4.5E + 03	4.7E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	45	42	42	44		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB137C**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72269.9 E55700.2	33.276494 °N 81.660513 °W	173.8-163.8 ft msl	236 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/13/92	04/21/92	07/21/92	10/21/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	219.9	220.4	220.8	220.6	ft msl
pH	5.6	5.2	7.4	6.6	pH
Sp. conductance	517	526	563	580	µS/cm
Water temperature	19.4	20.6	19.8		°C
Alkalinity as CaCO <sub>3</sub>	4	4	31	25	mg/L
Volume purged	4.0	4.0	0.7	0.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	65	83	27	231		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	63	62	67	58		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	27,200	27,400	34,300	32,000	J2	µg/L	GE	0
		Cerium-144			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Cesium-134			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
•		Chloride	3,780	3,460	3,390	3,630	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Cobalt-60			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Europium-152			< 4.0E + 01	< 4.0E + 01		pCi/L	GP	0
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	106	< 100	118	< 100		µg/L	GE	0
		Gross alpha	4.3E + 00	< 2.0E + 00	< 2.0E + 00	1.5E + 01		pCi/L	GE	1
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	< 4.0	< 4.0	6.5	141		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	4,880	4,880	5,380	7,360		µg/L	GE	0
		Manganese	65	67	39	38		µg/L	GE	1
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	9.0	8.4	5.0	4.1		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
■		Nitrate-nitrite as nitrogen	90,000	64,000	60,800	60,000		µg/L	GE	2
■		Nonvolatile beta	1.5E + 02	1.6E + 02	1.7E + 02	1.1E + 02		pCi/L	GE	2
•		pH	5.8	6.2	7.8	8.1	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	1,070	1,330	3,300	2,590		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB137C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	11,200	11,100	11,200	12,700		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	60,500	63,200	68,400	72,800	J2	µg/L	GE	0
		Sodium-22			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Specific conductance	490	420	480	600		µS/cm	GE	2
•		Sulfate	5,680	4,030	4,760	4,670	J	µg/L	GE	0
		Total activity	1.3E+07	1.2E+07	1.2E+07	1.2E+07		pCi/L	EM	0
		Total alpha-emitting radium	1.6E+00	2.0E+00	1.6E+00	1.4E+00		pCi/L	GE	0
•		Total dissolved solids	421,000	450,000	412,000	440,000	J	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	5,270	1,590		µg/L	GE	0
•		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	100	70		µg/L	GE	0
■		Tritium	1.2E+04	1.2E+04	1.2E+04	1.2E+04		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Zinc	39	43	18	17		µg/L	GE	0
		Zinc-65			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Zirconium-95			< 2.0E+01			pCi/L		

WELL HSB137D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72278.9 E55696.1	33.276508 °N 81.660542 °W	225.3-205.3 ft msl	236.6 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/13/92	04/21/92	07/21/92	10/20/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	221.6	222.3	222.7	222.3	ft msl
pH	4.9	4.3	4.8	4.8	pH
Sp. conductance	131	144	168	150	µS/cm
Water temperature	18.0	18.5	18.7	20.3	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	5.1	4.0	4.0	4.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	75	105	91	100		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	15	17	16	15		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	1,690	2,000	1,890	1,680	J2	µg/L	GE	0
		Cerium-144			< 6.0E+01	< 6.0E+01		pCi/L	GP	0
		Cesium-134			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cesium-137			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
•		Chloride	2,340	2,040	2,140	2,390	J	µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt-57			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Cobalt-60			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Copper	72	127	120	86		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Eurpium-152			< 4.0E+01	< 4.0E+01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB137D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Europium-154			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Europium-155			< 3.0E + 01	< 3.0E + 01		pCi/L	GP	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	4.1E + 00	4.1E + 00	< 2.0E + 00	6.1E + 00		pCi/L	GE	0
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	7.0	5.1	27	9.7		µg/L	GE	0
		Lead	7.9	24	5.8	7.2		µg/L	GE	0
		Magnesium	1,360	1,790	1,630	1,460		µg/L	GE	0
		Manganese	67	70	71	65		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	4.4	5.9	5.5	< 4.0		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	6,000	10,000	18,200	14,000		µg/L	GE	2
	■	Nonvolatile beta	1.1E + 02	8.4E + 01	5.8E + 01	6.4E + 01		pCi/L	GE	2
●		pH	5.1	5.1	5.0	5.1	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	512	678	551	514		µg/L	GE	0
		Potassium-40			< 1.1E + 02	< 1.1E + 02		pCi/L	GP	0
		Promethium-144			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Promethium-146			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 9.0E + 01	< 9.0E + 01		pCi/L	GP	0
		Ruthenium-106			< 1.3E + 02			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	8,200	8,130	8,150	7,300		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	17,400	23,500	20,400	21,700	J2	µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	125	90	140	130		µS/cm	GE	0
●		Sulfate	2,400	1,360	1,050	1,260	J	µg/L	GE	0
		Total activity	6.1E + 06	5.4E + 06	4.7E + 06	4.0E + 06		pCi/L	EM	0
		Total alpha-emitting radium	2.9E + 00	3.6E + 00	3.5E + 00	4.7E + 00		pCi/L	GE	1
●		Total dissolved solids	106,000	103,000	101,000	90,000	J	µg/L	GE	0
		Total organic carbon	< 1,000	5,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	4.6E + 03	3.7E + 03	3.0E + 03	3.4E + 03		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	121	127	124	94		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB138D**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73160.2 E55260.7	33.277746 °N 81.663400 °W	228.1-208.1 ft msl	252.4 ft msl	4" PVC	S	Water table (IB <sub>7</sub> )

SAMPLE DATE	01/14/92	04/13/92	07/21/92	10/20/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	223.7	224.3	224.5	224.6	ft msl
pH	5.3	4.9	5.2	5.3	pH
Sp. conductance	74	49	73	51	µS/cm
Water temperature	18.2	18.8	20.5	18.9	°C
Alkalinity as CaCO <sub>3</sub>	1	1	1	1	mg/L
Volume purged	4.0	4.0	4.0	4.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	8.0	8.3	6.1	7.1		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	1,630	1,410	860	1,130	J2	µg/L	GE	0
		Chloride	2,430	2,190	2,000	2,040		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	5.5	7.5	10	22		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E+00	< 2.0E+00	< 2.0E+00	< 2.0E+00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	5.6		µg/L	GE	0
		Lead	5.9	5.2	7.1	8.1		µg/L	GE	1
		Magnesium	403	459	382	423		µg/L	GE	0
		Manganese	5.3	6.0	5.0	4.3		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	8,900	4,750	7,500	4,400		µg/L	GE	0
		Nonvolatile beta	2.9E+01	2.6E+00	4.7E+00	2.4E+00		pCi/L	GE	0
●		pH	5.7	5.3	5.8	5.7	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	< 500	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	5,800	5,990	5,990	5,690		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	14,500	13,400	7,210	9,030		µg/L	GE	0
		Specific conductance	95	65	55	50		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total activity	1.9E+06	6.5E+05	5.6E+05	5.9E+05		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E+00	< 1.0E+00	< 1.0E+00	< 1.0E+00		pCi/L	GE	0
		Total dissolved solids	68,000	39,000	50,000	38,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	9.2	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	50	50	< 50		µg/L	GE	0
■		Tritium	2.0E+03	9.4E+02	4.8E+02	5.6E+02		pCi/mL	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	25	51	41	76		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB139A**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71127.4 E57365.4	33.276684 °N 81.653910 °W	97.6-87.6 ft msl	233.7 ft msl		S	U. Congaree (IIA)

SAMPLE DATE	02/11/92	04/23/92	07/22/92	10/18/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	174.1	174.4	173.8	173.9	ft msl
pH	8.0	7.6	7.4	7.6	pH
Sp. conductance	223	229	227	229	µS/cm
Water temperature	17.4	19.0	19.3	19.0	°C
Alkalinity as CaCO <sub>3</sub>	93	102	85	92	mg/L
Volume purged	4.0	4.0	4.0	3.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	22	21	21	10.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	40,700	42,600	42,700	46,500		µg/L	GE	0
		Chloride	2,540	2,530	2,360	2,490		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	6.1		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	712	721	720	820		µg/L	GE	0
		Manganese	5.0	5.4	4.8	4.6		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	< 50					µg/L		
		Nitrate-nitrite as nitrogen		< 50	60	80		µg/L	GE	0
		Nonvolatile beta	2.4E + 00	< 2.0E + 00	6.0E + 01	3.0E + 00		pCi/L	GE	0
		pH	7.9	7.9	7.9	7.9	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,540	1,320	1,700	1,220		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	37,700	39,200	37,300	37,200		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,830	2,280	2,590	2,520		µg/L	GE	0
		Specific conductance	190	210	225	220		µS/cm	GE	0
		Sulfate	3,270	3,800	3,740	3,400		µg/L	GE	0
		Total alpha-emitting radium	1.1E + 00	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	151,000	140,000	139,000	160,000	V	µg/L	GE	0
		Total organic carbon	11,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	25	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		Tritium	< 7.0E-01	< 7.0E-01	< 7.0E-01	< 7.0E-01		pCi/mL	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB139C**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71129.8 E57374.5	33.276704 °N 81.653890 °W	158.5-148.5 ft msl	233.8 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

<u>SAMPLE DATE</u>	02/11/92	04/23/92	07/22/92	10/21/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	214.4	214.6	214.6	214.6	ft msl
pH	5.5	5.4	5.5	5.3	pH
Sp. conductance	412	422	419	405	µS/cm
Water temperature	17.3	19.1	20.4	18.4	°C
Alkalinity as CaCO <sub>3</sub>	4	4	5	3	mg/L
Volume purged	0.6	0.7	0.6	0.7	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Aluminum	134	135	130	280		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	73	76	76	72		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	19,000	20,700	20,200	18,000	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
•		Chloride	4,800	5,200	5,190	5,290	J	µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	4.5	5.2	5.6	5.1		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	<1.0	2.1	<1.0	<1.0		µg/L	GE	0
•		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30	J6	µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
•		Endrin	<0.0060	<0.0060	<0.0060	<0.0060	J6	µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	177	147	155	173		µg/L	GE	0
		Gross alpha	2.0E+00	5.2E+00	6.5E+00	3.5E+00		pCi/L	GE	0
		Iron	17	5.4	9.4	57		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
•		Lindane	<0.0050	<0.0050	<0.0050	<0.0050	J6	µg/L	GE	0
		Magnesium	6,610	6,780	6,800	6,570		µg/L	GE	0
		Manganese	248	264	263	251		µg/L	GE	2
		Mercury	1.6	0.86	1.2	1.2		µg/L	GE	1

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB139C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
•		Methoxychlor	<0.50	<0.50	<0.50	<0.50	J6	µg/L	GE	0
		Nickel	11	12	8.0	8.4		µg/L	GE	0
■		Nitrate-nitrite as nitrogen	43,000	50,000	48,800	45,200		µg/L	GE	2
		Nonvolatile beta	3.7E+01	4.0E+01	3.4E+01	3.9E+01		pCi/L	GE	1
•		pH	5.5	5.6	5.6	6.0	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	1,490	1,780	1,570	1,350		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	10,800	10,900	11,100	10,400		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	43,700	44,500	44,400	46,500	J2	µg/L	GE	0
		Specific conductance	335	340	360	400		µS/cm	GE	1
•		Sulfate	<1,000	<1,000	<1,000	<1,000	J	µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
■		Tetrachloroethylene	9.9	8.8	8.8	12		µg/L	GE	2
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity	3.5E+06	3.3E+06	3.1E+06	3.1E+06		pCi/L	EM	0
		Total alpha-emitting radium	1.2E+00	1.3E+00	1.5E+00	2.4E+00		pCi/L	GE	0
•		Total dissolved solids	316,000	348,000	302,000	290,000	J	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	2,500		µg/L	GE	0
•		Total organic halogens	15	5.8	8.5	8.4	J	µg/L	GE	0
		Total phosphates (as P)	150	200	160	120		µg/L	GE	0
•		Toxaphene	<0.24	<0.24	<0.24	<0.24	J6	µg/L	GE	0
•		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J6	µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	1.7	1.4	1.6	2.4		µg/L	GE	0
		Trichlorofluoromethane	<1.0	2.4	<1.0	<1.0		µg/L	GE	0
■		Tritium	3.4E+03	3.3E+03	3.0E+03	2.9E+03		pCi/mL	GE	2
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	46	48	49	51		µg/L	GE	0

WELL HSB139D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71133.2 E57384.4	33.276728 °N 81.653871 °W	226.7-206.7 ft msl	233.8 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	02/11/92	04/23/92	07/22/92	10/18/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.6	224.5	223.8	223.1	ft msl
pH	4.9	4.8	4.7	4.9	pH
Sp. conductance	29	39	32	30	µS/cm
Water temperature	17.6	17.7	19.7	20.5	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	5.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	39	41	36	51		µg/L	GE	2
		Antimony	7.1	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	9.7	11	9.9	11		µg/L	GE	0
		Cadmium	0.40	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	1,150	1,550	1,100	1,260		µg/L	GE	0
		Chloride	3,720	3,050	2,760	2,630		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB139D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Chromium	2.2	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	1.1	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	30	15	8.3	16		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 1.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	7.8	< 4.0	< 4.0	18		µg/L	GE	0
		Lead	< 2.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	736	702	640	698		µg/L	GE	0
		Manganese	32	27	24	23		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 3.1	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	549					µg/L		
		Nitrate-nitrite as nitrogen		620	580	410		µg/L	GE	0
		Nonvolatile beta	3.1E + 00	< 2.0E + 00	2.5E + 00	3.2E + 00		pCi/L	GE	0
•		pH	5.2	5.3	4.9	6.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	308	609	< 500	< 500		µg/L	GE	0
		Radium-226	1.0E-01					pCi/L		
		Radium-228	1.0E-01					pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	5,830	6,290	6,030	5,930		µg/L	GE	0
		Silicon	2,670					µg/L		
		Silver	< 0.70	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,860	2,720	2,420	2,260		µg/L	GE	0
		Specific conductance	25	38	32	30		µS/cm	GE	0
		Sulfate	< 1,000	2,290	1,650	1,540		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	25,000	21,000	23,000	23,000	V	µg/L	GE	0
		Total organic carbon	1,550	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	13	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	23	< 50	< 50	< 50		µg/L	GE	0
		Tritium	1.2E + 02	1.7E + 01	1.5E + 01	2.0E + 01		pCi/mL	GE	1
		Vanadium	< 0.88	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	18	6.3	5.9	7.5		µg/L	GE	0

WELL HSB140A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70050.3 E58535.4	33.272948 °N 81.654003 °W	91.0-81.0 ft msl	235.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	01/15/92	04/24/92	07/22/92	10/23/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	176.1	176.2	175.6	175.5	ft msl
pH	7.4	6.7	6.9	7.1	pH
Sp. conductance	176	160	162	161	µS/cm
Water temperature	18.8	19.7	20.4	20.3	°C
Alkalinity as CaCO <sub>3</sub>	61	61	57	59	mg/L
Volume purged	4.0	4.0	4.0	2.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			63	67		mg/L	GE	0
		Aluminum	42	34	26	33		µg/L	GE	1
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB140A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Arsenic	4.3	2.6	2.5	2.3		µg/L	GE	0
		Barium	43	47	48	52		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	25,300	26,500	25,700	27,800	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000				µg/L		
		Chloride	2,440	2,450	2,220	2,890		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	6.2	<1.0	<1.0	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	115	<100	136		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	574	614	609	622		µg/L	GE	0
		Manganese	12	12	11	10		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	<50					µg/L		
		Nitrate-nitrite as nitrogen		<50	<50	<50		µg/L	GE	0
		Nonvolatile beta	3.1E+00	3.6E+00	2.9E+00	3.7E+00		pCi/L	GE	0
		pH	7.3	7.3	7.2	7.1	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	3,520	3,570	3,440	3,000		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	29,700	29,300	29,200	28,400		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	3,790	3,710	3,630	3,940		µg/L	GE	0
		Specific conductance	165	132	150	90		µS/cm	GE	0
		Sulfate	7,040	7,880	7,630	6,990		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	1.1E+00	1.0E+00		pCi/L	GE	0
		Total dissolved solids	104,000	105,000	107,000	116,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB140A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Total phosphates (as P)	220	190	300	120		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	<7.0E-01	<7.0E-01	8.4E-01	<7.0E-01		pCi/ml	GE	0
		Uranium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Vanadium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Zinc	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

WELL HSB140C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70049.2 E56551.8	33.272972 °N 81.653958 °W	171.6-161.6 ft msl	235.6 ft msl	4" PVC	S	Barnwell (11B <sub>1</sub> )

SAMPLE DATE	01/15/92	04/24/92	07/22/92	10/23/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	205.8	205.8	205.5	205.6	ft msl
pH	5.6	4.9	5.3	5.3	pH
Sp. conductance	26	24	25	24	µS/cm
Water temperature	17.5	19.1	20.4	19.4	°C
Alkalinity as CaCO <sub>3</sub>	3	3	3	3	mg/L
Volume purged	4.0	4.0	4.0	2.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )	<20	<20	5.5	6.1		mg/L	GE	0
		Aluminum	<2.0	<2.0	<15	<2.0		µg/L	GE	0
		Antimony	<2.0	<2.0	4.3	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	7.6	8.5	11	7.3		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<0.35	<2.0		µg/L	GE	0
		Calcium	1.510	1.760	1.950	1.750	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Chloride	2.030	1.980	1.930	1.680		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	3.9	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<0.88	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	1.3	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB140C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		1,1-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	6.2	3.4	4.2	< 1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	< 0.30	< 0.30	< 0.30	< 0.30		µg/L	GE	0
		1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Endrin	< 0.0060	< 0.0060	< 0.0060	< 0.0060		µg/L	GE	0
		Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 1.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	4.1	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	3.3	< 3.0		µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	350	349	508	370		µg/L	GE	0
		Manganese	7.0	6.2	6.9	6.9		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Methoxychlor	< 0.50	< 0.50	< 0.50	< 0.50		µg/L	GE	0
		Nickel	< 4.0	< 4.0	3.7	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	460		1,300			µg/L		
		Nitrate-nitrite as nitrogen		570	610	560		µg/L	GE	0
		Nonvolatile beta	< 2.0E + 00	< 2.0E + 00	1.9E + 00	< 2.0E + 00		pCi/L	GE	0
		pH	5.8	6.0	5.7	6.7	J	pH	GE	0
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Potassium	< 500	537	600	< 500		µg/L	GE	0
		Radium-226			3.0E + 00			pCi/L		
		Radium-228			1.7E + 00			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	10,500	10,200	10,100	9,720		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 0.70	< 2.0		µg/L	GE	0
		Sodium	1,550	1,620	1,830	1,500		µg/L	GE	0
		Specific conductance	28	20	23	130		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	367	< 1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Tetrachloroethylene	< 1.0	1.1	< 1.0	< 1.0		µg/L	GE	0
		Toluene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	< 1.0E + 00	2.0E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	24,000	5,000	52,000	31,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	1,150	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	80	< 50	47	< 50		µg/L	GE	0
		Toxaphene	< 0.24	< 0.24	< 0.24	< 0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	< 0.090	< 0.090	< 0.090	< 0.090		µg/L	GE	0
		1,1,1-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Trichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Trichlorofluoromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Tritium	2.5E + 00	2.5E + 00	4.3E + 00	2.5E + 00		pCi/mL	GE	0
		Uranium			< 0.030	< 20		µg/L	GE	0
		Vanadium	< 8.0	< 8.0	1.8	< 8.0		µg/L	GE	0
		Zinc	10	7.4	11	6.8		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB140D**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70036.0 E56560.6	33.272957 °N 81.653909 °W	214.1-194.1 ft msl	236.2 ft msl	4" PVC	S	Water table (IB <sub>2</sub> )

SAMPLE DATE	01/15/92	04/24/92	07/22/92	10/23/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	213.6	213.7	213.1	213.6	ft msl
pH	4.9	4.2	4.6	4.5	pH
Sp. conductance	20	19	18	19	µS/cm
Water temperature	18.5	19.0	19.5	19.4	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	5.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			2.1	2.5		mg/L	GE	0
		Aluminum	54	69	60	61		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	4.1	4.6	4.2	4.0		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	359	399	360	375	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000				µg/L		
		Chloride	1,670	1,590	1,510	1,500		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	4.2	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	7.1	3.2	1.2	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	3.2E+00		pCi/L	GE	0
		Iron	17	29	52	42		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	403	432	448	457		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB140D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Manganese	3.0	2.9	2.6	2.2		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	450					µg/L	GE	0
		Nitrate-nitrite as nitrogen		550	610	580		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	5.1	5.1	4.9	5.1	J	pH	GE	0
		Phenol	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	6,440	6,160	5,920	5,810		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	975	993	981	972		µg/L	GE	0
		Specific conductance	20	15	18	20		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	1.1E+00		pCi/L	GE	0
		Total dissolved solids	10,000	16,000	14,000	15,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	50	<50	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	1.7E+01	1.6E+01	1.6E+01	1.3E+01		pCi/mL	GE	1
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	3.5	2.2	5.4	2.2		µg/L	GE	0

WELL HSB141A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71213.6 E59168.7	33.279817 °N 81.649329 °W	90.6-80.6 ft msl	254.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	01/10/92	04/27/92	07/23/92	10/21/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	175.1	175.1	174.7	174.8	ft msl
pH	11.2	11.4	11.3	11.4	pH
Sp. conductance	258	867	841	1212	µS/cm
Water temperature	18.8	19.0	20.7	19.8	°C
Alkalinity as CaCO <sub>3</sub>	64	192	185	268	mg/L
Volume purged	12.0	4.0	4.0	2.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			180	12		mg/L	GE	0
		Aluminum	1,440	2,730	2,690	2,960		µg/L	GE	2
		Antimony	9.7	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	5.1	<2.0	2.0	<2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

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Well HSB141A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Barium	21	57	58	76		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<4.0		µg/L	GE	0
		Calcium	29.200	67.800	72.300	101.000	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	24.000	16.000				µg/L	GE	0
		Chloride	2,450	2,010	1,950	1,770		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<8.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<8.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<8.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	1.0	1.1	1.0	1.4	J1	µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	71	122	118	134		pCi/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		µg/L	GE	0
		Iron	7.3	<4.0	<4.0	<4.0		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	101	9.2	11	13		µg/L	GE	0
		Manganese	<2.0	<2.0	<2.0	<4.0		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<8.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	<50	<50	<50	<50		pCi/L	GE	0
		Nonvolatile beta	5.0E+00	8.0E+00	7.6E+00	6.4E+00	J	pH	GE	2
		pH	11	12	12	12		µg/L	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	5,300	10,600	10,300	11,400	J1	µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	9,610	9,700	10,300	6,540		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<4.0		µg/L	GE	0
		Sodium	2,470	4,250	3,980	5,500		µS/cm	GE	2
		Specific conductance	199	800	800	1,000		µg/L	GE	0
		Sulfate	4,740	6,210	6,180	6,200		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	1.8E+00	V	pCi/L	GE	0
		Total dissolved solids	77,000	209,000	195,000	281,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	26	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB141A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
•		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J1	µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	<7.0E-01	<7.0E-01	<7.0E-01	9.5E-01		pCi/mL	GE	0
		Uranium			<20	<40		µg/L	GE	0
		Vanadium	<8.0	11	12	<16		µg/L	GE	0
		Zinc	<2.0	3.8	2.4	5.0		µg/L	GE	0

WELL HSB141C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71196.7 E59170.2	33.279782 °N 81.649292 °W	164.7-154.7 ft msl	254.7 ft msl	4" PVC	S	Barnwell (HIB <sub>1</sub> )

SAMPLE DATE	01/10/92	04/17/92	07/24/92	10/22/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	227.8	228.4	228.7	229.4	ft msl
pH	11.7	11.6	11.2	11.3	pH
Sp. conductance	601	1176	469	1087	µS/cm
Water temperature	17.9	18.5	19.2	17.7	°C
Alkalinity as CaCO <sub>3</sub>	124	252	111	224	mg/L
Volume purged	0.9	0.8	0.9	0.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			74	206		mg/L	GE	0
		Aluminum	2,010	2,810	1,260	1,100		µg/L	GE	2
		Antimony	8.7	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	46	88	48	297		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	14,300	34,100	9,180	92,500	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	35,300	48,400				µg/L	GE	0
		Chloride	2,100	1,850	2,010	1,690		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	4.5	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB141C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Dichloromethane (Methylene chloride)	<1.0	1.8	1.6	<1.0		µg/L	GE	0
●		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30	J1	µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	108	218	214		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	4.1	9.1	33		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	164	24	209	541		µg/L	GE	0
		Manganese	<2.0	<2.0	<2.0	6.9		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	0.56		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	160	100	80	50		µg/L	GE	0
		Nonvolatile beta	1.1E+01	1.5E+01	6.8E+00	9.4E+00		pCi/L	GE	0
●		pH	12	12	11	12	J	pH	GE	2
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	9,120	12,800	7,030	13,400		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	10,500	9,460	11,000	10,700		µg/L	GE	0
		Silver	<2.0	2.1	<2.0	<2.0		µg/L	GE	0
		Sodium	18,700	21,100	16,600	24,000		µg/L	GE	0
		Specific conductance	440	1,100	242	850		µS/cm	GE	2
		Sulfate	15,200	16,300	12,900	10,400		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	2.4E+00	<1.0E+00	2.2E+00		pCi/L	GE	0
		Total dissolved solids	147,000	299,000	111,000	235,000		µg/L	GE	0
		Total organic carbon	<1.000	1,000	1,000	1,070		µg/L	GE	0
		Total organic halogens	8.7	15	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	50	60	50	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
●		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J1	µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	1.4E+00	1.5E+00	<7.0E-01	1.1E+00		pCi/mL	GE	0
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	13	20	10.0	<8.0		µg/L	GE	0
		Zinc	<2.0	<2.0	<2.0	10		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB141D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N71184.4 E59170.9	33.279756 °N 81.649266 °W	237.8-217.8 ft msl	254.8 ft msl	4" PVC	5	Water table (IIB <sub>2</sub> )

<u>SAMPLE DATE</u>	<u>01/10/92</u>	<u>04/17/92</u>	<u>07/24/92</u>	<u>10/22/92</u>
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	236.4	240.1	242.1	242.7	ft msl
pH	5.6	4.6	5.0	4.7	pH
Sp. conductance	21	28	22	24	µS/cm
Water temperature	17.5	18.0	19.8	18.1	°C
Alkalinity as CaCO <sub>3</sub>	1	0	0	1	mg/L
Volume purged	0.9	1.0	0.9	1.0	Well vol.

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Alkalinity (as CaCO <sub>3</sub> )			3.6	4.8		mg/L	GE	0
		Aluminum	43	126	36	539		µg/L	GE	2
		Antimony	7.6	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	< 3.0	4.3	< 3.0	9.2		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromoform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	324	544	415	571	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Carbonate	< 1,000	< 1,000				µg/L		
		Chloride	1,910	2,010	1,780	1,700		µg/L	GE	0
		Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	4.0	< 4.0	7.8		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Dibromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	1.5	1.5	1.9	< 1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	< 0.30	< 0.30	< 0.30	< 0.30	J1	µg/L	GE	0
		1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Endrin	< 0.0060	< 0.0060	< 0.0060	< 0.0060		µg/L	GE	0
		Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	2.2E + 00		pCi/L	GE	0
		Iron	59	62	31	643		µg/L	GE	2
		Lead	< 3.0	< 3.0	< 3.0	19		µg/L	GE	2
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	289	353	325	498		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB141D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Manganese	9.3	5.9	7.1	42		µg/L	GE	1
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	360	320	290	250		µCi/L	GE	0
		Nonvolatile beta	<2.0E+00	2.2E+00	<2.0E+00	<2.0E+00		pH	GE	0
•		pH	5.6	5.3	5.2	6.0	J	µg/L	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	<500	J1	µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	6,360	6,840	5,980	8,300		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,510	2,650	2,080	2,490		µS/cm	GE	0
		Specific conductance	19	25	20	20		µg/L	GE	0
		Sulfate	<1,000	1,910	1,780	1,090		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		pCi/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	1.5E+00	V	µg/L	GE	0
		Total dissolved solids	<1,000	18,000	22,000	19,000		µg/L	GE	0
		Total organic carbon	<1,000	2,000	2,000	<1,000		µg/L	GE	0
		Total organic halogens	11	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	210	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
•		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J1	µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		pCi/mL	GE	1
		Tritium	2.3E+01	2.1E+01	1.9E+01	1.7E+01		µg/L	GE	0
		Uranium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	3.7	7.4	3.9	22		µg/L	GE	0

WELL HSB142C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73119.0 E53505.3	33.274791 °N 81.667942 °W	171.6-161.6 ft msl	204 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/14/92	04/13/92	07/23/92	10/22/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	199.2	198.7	198.7	198.4	ft msl
pH	5.3	4.7	5.1	5.0	pH
Sp. conductance	24	26	25	26	µS/cm
Water temperature	16.8	17.9	18.5	18.2	°C
Alkalinity as CaCO <sub>3</sub>	1	1	1	1	mg/L
Volume purged	4.0	4.0	4.0	2.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			5.5	5.6		mg/L	GE	0
		Aluminum	<20	<20	<20	76		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB142C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	1,590	1,420	1,690	1,650	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000				µg/L		
		Chloride	2,620	2,540	2,430	2,510		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	C
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	<1.0	1.2	1.2	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30	J1	µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	4.6	<4.0	4.5	23		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	375	398	406	455		µg/L	GE	0
		Manganese	4.2	5.1	4.4	4.3		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	260					µg/L		
		Nitrate-nitrite as nitrogen		300	380	340		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	5.6	5.3	5.7	6.1	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	11,700	10,900	11,600	11,100		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,870	1,810	1,770	1,990		µg/L	GE	0
		Specific conductance	29	22	28	22		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	30,000	19,000	21,000	28,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	5.1	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	70	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB142C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
•		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J1	µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	<7.0E-01	<7.0E-01	<7.0E-01	<7.0E-01		pCi/mL	GE	0
		Uranium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	7.3	5.2	4.5	6.2		µg/L	GE	0

WELL HSB142D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73113.0 E53493.1	33.274758 °N 81.667962 °W	199.7-189.7 ft msl	204.2 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/14/92	04/13/92	07/23/92	10/22/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	199.5	198.1	198.2	197.4	ft msl
pH	4.8	4.4	4.8	4.7	pH
Sp. conductance	54	48	46	45	µS/cm
Water temperature	15.2	15.7	21.2	21.2	°C
Alkalinity as CaCO <sub>3</sub>	5	0	0	0	mg/L
Volume purged	4.0	0.5	0.7	2.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			3.1	3.0		mg/L	GE	0
		Aluminum	154	142	60	171		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	18	24	26	22		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	1,060	1,190	1,130	1,040	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Chloride	4,680	4,290	3,660	4,000		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	8.9	4.0	5.0	7.5		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB142D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Dichloromethane (Methylene chloride)	2.9	<1.0	1.6	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	24	74	23	30		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	4.6		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	566	631	582	550		µg/L	GE	0
		Manganese	16	18	19	17		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	6.8	7.1	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	350	480	480	630		µg/L	GE	0
		Nonvolatile beta	2.0E+00	<2.0E+00	<2.0E+00	2.7E+00		pCi/L	GE	0
		pH	5.3	5.1	5.0	5.5	J	pH	GE	0
		Phenols	21	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	7,840	8,080	9,230	8,620		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	6,530	4,930	4,620	4,650		µg/L	GE	0
		Specific conductance	49	45	38	40		µS/cm	GE	0
		Sulfate	7,380	6,900	6,360	4,890		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity	4.2E+05	6.3E+05	4.5E+05	4.2E+05		pCi/L	EM	0
		Total alpha-emitting radium	1.0E+00	<1.0E+00	<1.0E+00	1.6E+00		pCi/L	GE	0
		Total dissolved solids	39,000	31,000	36,000	32,000	V	µg/L	GE	0
		Total organic carbon	1,000	2,000	2,000	1,530		µg/L	GE	0
		Total organic halogens	23	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	400	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	4.3E+02	6.7E+02	4.2E+02	3.9E+02		pCi/mL	GE	2
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	18	9.6	12	17		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB143C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73738.2 E52773.2	33.274966 °N 81.671072 °W	179.1-169.1 ft msl	222.2 ft msl	4" PVC	S	Barnwell (IB <sub>1</sub> )

SAMPLE DATE 01/15/92 04/24/92 07/21/92 11/06/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	209.5	209.5	209.2	209.1	ft msl
pH	5.5	4.4	5.0	4.9	pH
Sp. conductance	34	27	29	28	µS/cm
Water temperature	17.7	18.3	20.0	18.3	°C
Alkalinity as CaCO <sub>3</sub>	3	1	0	1	mg/L
Volume purged	4.0	4.0	4.0	8.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
•		Alkalinity (as CaCO <sub>3</sub> )			4.8	7.1	JV	mg/L	GE	0
		Aluminum	<20	28	28	33		µg/L	GE	1
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	6.6	6.9	6.2	6.9		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	1,400	949	737	741		µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000				µg/L		
		Chloride	2,970	2,940	2,700	2,930		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	6.6	3.5	1.5	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	220	236	221	238		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB143C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Manganese	12	12	11	11		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	350					µg/L		
		Nitrate-nitrite as nitrogen		410	470	770		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	5.7	5.7	5.3	5.3	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	7,040	6,910	6,760	6,910		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	3,210	3,300	3,290	3,790		µg/L	GE	0
		Specific conductance	35	22	28	25		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	11	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	1.2E+01	1.5E+00		pCi/L	GE	0
		Total dissolved solids	29,000	12,000	21,000	25,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	7.7	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	23	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	1.1E+01	1.1E+01	1.2E+01	1.1E+01		pCi/mL	GE	1
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	3.1	<2.0	2.0	<2.0		µg/L	GE	0

WELL HSB143D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73754.0 E52774.5	33.275003 °N 81.671099 °W	216.9-196.9 ft msl	222.9 ft msl	4" PVC	S	Water table (IIB <sub>7</sub> )

SAMPLE DATE	01/15/92	04/24/92	07/21/92	11/06/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	213.3	213.3	213.1	212.1	ft msl
pH	4.8	4.0	4.5	4.5	pH
Sp. conductance	20	18	21	19	µS/cm
Water temperature	17.8	18.1	19.0	19.0	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	8.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			2.2	4.0	V	mg/L	GE	0
		Aluminum	43	56	51	56		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB143D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Barium	6.1	6.1	5.7	5.6		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	235	206	219	188		µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000				µg/L		
		Chloride	1,750	1,690	1,640	1,630		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	2.5	<1.0	1.4	1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	227		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	3.0E+00	2.2E+00		pCi/L	GE	0
		Iron	6.5	7.5	5.5	5.4		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	5.2		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	371	384	383	382		µg/L	GE	0
		Manganese	4.3	4.1	4.1	3.7		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	400					µg/L		
		Nitrate-nitrite as nitrogen		480	640	670		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	5.0	5.0	4.9	5.0	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	6,370	6,140	5,970	6,160		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,200	1,330	1,360	1,530		µg/L	GE	0
		Specific conductance	21	18	20	18		µS/cm	GE	0
		Sulfate	<1,000	<1,000	1,020	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	8.7	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	1.7E+01	1.8E+00		pCi/L	GE	0
		Total dissolved solids	8,000	5,000	22,000	10,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	9.3		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB143D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	1.3	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	1.3E+01	1.3E+01	1.1E+01	1.0E+01		pCi/mL	GE	1
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	2.3	<2.0	<2.0	<2.0		µg/L	GE	0

WELL HSB144A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71892.1 E56200.5	33.276475 °N 81.658462 °W	88.6-78.6 ft msl	235.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	01/08/92	04/21/92	07/23/92	10/21/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	171.0	171.1	170.7	170.8	ft msl
pH	6.9	6.5	6.6	6.8	pH
Sp. conductance	186	174	167	163	µS/cm
Water temperature	19.0	19.9	20.1	20.3	°C
Alkalinity as CaCO <sub>3</sub>	53	44	44	55	mg/L
Volume purged	4.0	4.0	4.0	3.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			60	58		mg/L	GE	0
		Aluminum	<20	<20	<20	24		µg/L	GE	0
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	37	34	33	30		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	25,400	24,500	24,000	26,100	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	58,100				µg/L		
		Chloride	3,120	2,340	2,350	2,440		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	2.1	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB144A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		trans-1,2-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	< 1.0	< 1.0	1.8	1.6		µg/L	GE	0
●		2,4-Dichlorophenoxyacetic acid	< 0.30	< 0.30	< 0.30	< 0.30	J1	µg/L	GE	0
		1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Endrin	< 0.0060	< 0.0060	< 0.0060	< 0.0060		µg/L	GE	0
		Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Fluoride	128	143	131	169		µg/L	GE	0
		Gross alpha	3.2E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	716	696	660	723		µg/L	GE	0
		Manganese	52	46	42	43		µg/L	GE	1
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Methoxychlor	< 0.50	< 0.50	< 0.50	< 0.50		µg/L	GE	0
		Nickel	< 4.0	< 4.0	4.4	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	3.000					µg/L		
		Nitrate-nitrite as nitrogen		1.180	1.550	1.020		µg/L	GE	0
		Nonvolatile beta	1.5E + 01	5.6E + 00	6.7E + 00	5.9E + 00		pCi/L	GE	0
●		pH	7.1	6.3	7.0	6.9	J	pH	GE	0
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Potassium	2.700	2.400	2.350	2.420		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	28,700	28,600	27,600	30,300	4	µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	6,260	5,920	5,590	6,220		µg/L	GE	0
		Specific conductance	138	160	310	140		µS/cm	GE	0
		Sulfate	6.120	6.450	6.470	5.870		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Tetrachloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Toluene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Total activity	2.0E + 06	1.5E + 06	1.1E + 06	8.7E + 05		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E + 00	< 1.0E + 00	1.4E + 00	< 1.0E + 00		pCi/L	GE	0
●		Total dissolved solids	138,000	112,000	111,000	113,000	JV	µg/L	GE	0
		Total organic carbon	< 1.000	< 1.000	< 1.000	< 1.000		µg/L	GE	0
		Total organic halogens	< 5.0	15	7.4	< 5.0		µg/L	GE	0
		Total phosphates (as P)	290	330	< 50	310		µg/L	GE	0
		Toxaphene	< 0.24	< 0.24	< 0.24	< 0.24		µg/L	GE	0
●		2,4,5-TP (Silvex)	< 0.090	< 0.090	< 0.090	< 0.090	J1	µg/L	GE	0
		1,1,1-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Trichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Trichlorofluoromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
■		Tritium	2.1E + 03	1.5E + 03	1.1E + 03	8.0E + 02		pCi/mL	GE	2
		Uranium			< 20	< 20		µg/L	GE	0
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



**WELL HSB145C**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71098.9 E57769.0	33.277280 °N 81.652792 °W	174.7-164.7 ft msl	235.7 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/06/92	04/22/92	07/23/92	10/21/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	213.3	213.7	213.5	213.5	ft msl
pH	6.2	5.9	5.9	6.3	pH
Sp. conductance	345	352	350	352	µS/cm
Water temperature	19.2	20.0	21.0	20.1	°C
Alkalinity as CaCO <sub>3</sub>	18	18	17	18	mg/L
Volume purged	4.0	4.0	4.0	2.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			24	24		mg/L	GE	0
		Aluminum	46	97	71	218		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	88	94	95	112		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromoform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	J
		Calcium	25,700	20,500	23,200	28,600	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Carbonate	< 1,000	24,700				µg/L		
		Chloride	6,250	5,780	6,040	6,020		µg/L	GE	0
		Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Dibromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	3.1	< 1.0	1.9	1.4		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	< 0.30	< 0.30	< 0.30	< 0.30	J1	µg/L	GE	0
		1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Endrin	< 0.0060	< 0.0060	< 0.0060	< 0.0060		µg/L	GE	0
		Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Fluoride	< 100	111	103	129		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	3.2E + 00	6.2E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	6,070	6,910	6,300	7,720		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB145C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Manganese	88	120	101	127		µg/L	GE	2
		Mercury	<0.20	0.21	<0.20	0.26		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	4.2	<4.0	6.9	4.6		µg/L	GE	0
		■ Nitrate-nitrite as nitrogen	33,600	33,200	33,600	39,200		µg/L	GE	2
		■ Nonvolatile beta	4.1E+01	4.7E+01	5.0E+01	5.2E+01		pCi/L	GE	2
•		pH	6.4	6.2	6.3	6.4	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	2,900	2,120	2,500	2,380		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	11,300	11,700	10,800	11,200		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	27,300	28,900	28,600	34,200		µg/L	GE	0
		Specific conductance	375	330	140	310		µS/cm	GE	1
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		■ Tetrachloroethylene	12	14	16	32		µg/L	GE	2
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity	2.0E+06	1.8E+06	1.9E+06	1.8E+06		pCi/L	EM	0
		Total alpha-emitting radium	1.4E+00	1.9E+00	<1.0E+00	4.0E+00		pCi/L	GE	1
•		Total dissolved solids	238,000	252,000	257,000	253,000	JV	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	2,000	<1,000		µg/L	GE	0
		Total organic halogens	6.4	14	<5.0	7.1		µg/L	GE	0
		Total phosphates (as P)	<50	50	100	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
•		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J1	µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		■ Trichloroethylene	1.8	1.9	2.3	35		µg/L	GE	2
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		■ Tritium	2.0E+03	1.9E+03	1.7E+03	1.7E+03		pCi/mL	GE	2
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	21	26	18	32		µg/L	GE	0

WELL HSB145D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71088.0 E57763.9	33.277231 °N 81.652810 °W	194.2-184.2 ft msl	236.2 ft msl	4" PVC	S	Water table (IIB <sub>7</sub> )

SAMPLE DATE 01/06/92 04/22/92 07/23/92 10/21/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	220.1	222.1	221.1	220.4	ft msl
pH	5.8	5.5	5.5	5.4	pH
Sp. conductance	351	361	359	359	µS/cm
Water temperature	19.2	19.8	20.1	20.0	°C
Alkalinity as CaCO <sub>3</sub>	14	13	12	10	mg/L
Volume purged	4.0	4.0	4.0	2.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
•		Alkalinity (as CaCO <sub>3</sub> )			18	29	JV	mg/L	GE	0
		Aluminum	306	411	478	1,140		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Antimony-125			<2.0E+01	<2.0E+01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

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Well HSB145D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	161	168	170	213		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	12,900	13,500	12,600	19,900	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	17,400				µg/L		
		Cerium-144			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Cesium-134			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cesium-137			<1.0E+01	<1.0E+01		pCi/L	GP	0
•		Chloride	2,000	2,010	1,940	2,230	J	µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	1.5	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Chromium-51			<1.2E+02			pCi/L		
		Cobalt	15	16	15	15		µg/L	GE	0
		Cobalt-57			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Cobalt-60			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	<1.0	1.1	<1.0	<1.0		µg/L	GE	0
•		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30	J6	µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
•		Endrin	<0.0060	<0.0060	<0.0060	<0.0060	J6	µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Europium-152			<4.0E+01	<4.0E+01		pCi/L	GP	0
		Europium-154			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Europium-155			<3.0E+01	<3.0E+01		pCi/L	GP	0
		Fluoride	147	135	172	179		µg/L	GE	0
■		Gross alpha	2.1E+01	5.7E+01	5.6E+01	3.3E+01		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	6.4	<4.0	<4.0	32		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
•		Lindane	<0.0050	<0.0050	<0.0050	<0.0050	J6	µg/L	GE	0
		Magnesium	3,010	3,160	3,120	3,170		µg/L	GE	0
		Manganese	807	812	810	925		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
■		Mercury	1.1	1.9	1.9	2.6		µg/L	GE	2
•		Methoxychlor	<0.50	<0.50	<0.50	<0.50	J6	µg/L	GE	0
		Nickel	7.8	11	8.5	7.2		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
■		Nitrate-nitrite as nitrogen	36,800	39,000	39,200	36,800		µg/L	GE	2
■		Nonvolatile beta	3.8E+02	4.6E+02	4.4E+02	3.4E+02		pCi/L	GE	2
•		pH	5.9	6.0	5.8	5.9	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	3,800	3,750	3,220	2,750		µg/L	GE	0
		Potassium-40			<1.1E+02	<1.1E+02		pCi/L	GP	0
		Promethium-144			<1.0E+01	<1.0E+01		pCi/L	GP	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

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Well HSB145D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Promethium-146			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Ruthenium-106			<9.0E+01	<9.0E+01		pCi/L	GP	0
		Ruthenium-106			<1.3E+02			pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	7.640	7.820	7.650	6.860		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	40,800	42,700	43,400	46,200	J2	µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	285	285	320	350		µS/cm	GE	1
		Sulfate	<1,000	<1,000	<1,000	<1,000	J	µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	1.3	<1.0	2.3		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity	3.8E+06	4.5E+06	5.7E+06	7.0E+06		pCi/L	EM	0
		Total alpha-emitting radium	1.7E+01	3.3E+01	1.6E+01	2.4E+01		pCi/L	GE	2
		Total dissolved solids	271,000	302,000	263,000	262,000	J	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	1,330		µg/L	GE	0
		Total organic halogens	8.7	5.9	<5.0	8.7	J	µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24	J6	µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J6	µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	2.8		µg/L	GE	1
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	3.7E+03	4.8E+03	5.4E+03	6.4E+03		pCi/mL	GE	2
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Yttrium-88			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Zinc	19	17	17	19		µg/L	GE	0
		Zinc-65			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Zirconium-95			<2.0E+01			pCi/L		

WELL HSB146A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70478.9 E58454.0	33.277026 °N 81.649784 °W	95.5-85.5 ft msl	251.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	01/10/92	04/03/92	07/23/92	10/23/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	176.2	176.1	175.8	175.8	ft msl
pH	7.3	7.3	7.0	7.3	pH
Sp. conductance	202	209	202	206	µS/cm
Water temperature	17.7	18.7	20.5	19.9	°C
Alkalinity as CaCO <sub>3</sub>	84	83	94	81	mg/L
Volume purged	4.0	4.0	4.0	2.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			88	96		mg/L	GE	0
		Aluminum	<20	<20	<20	119		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	35	36	38	34		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

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Well HSB146A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	37,200	34,800	39,200	38,300	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000				µg/L		
		Chloride	2,750	2,640	2,500	2,560		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	1.1	<1.0	1.6	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	697	721	738	705		µg/L	GE	0
		Manganese	22	18	19	19		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	<50	120	<50	<50		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	7.7	7.0	7.6	7.2	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	1,010	1,190	1,190	1,350		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	26,600	26,000	27,200	25,500		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	2,010	2,100	2,030	2,120		µg/L	GE	0
		Specific conductance	191	162	200	180		µS/cm	GE	0
		Sulfate	4,130	4,500	4,430	4,030		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	129,000	126,000	128,000	137,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	5.4	6.6	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	120	70	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB146A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	<7.0E-01	<7.0E-01	<7.0E-01	<7.0E-01		pCi/mL	GE	0
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

WELL HSB146C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70471.6 E58473.1	33.277041 °N 81.649719 °W	162.3-152.3 ft msl	252.3 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/10/92	04/03/92	07/24/92	10/23/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	209.8	209.9	210.0	209.8	ft msl
pH	7.2	9.0	7.3	7.9	pH
Sp. conductance	103	84	74	76	µS/cm
Water temperature	17.7	19.0	19.1	19.3	°C
Alkalinity as CaCO <sub>3</sub>	29	22	25	17	mg/L
Volume purged	4.0	5.0	4.0	3.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			35	26		mg/L	GE	0
		Aluminum	<20	112	111	165		µg/L	GE	2
		Antimony	2.4	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	2.6	<2.0		µg/L	GE	0
		Barium	34	42	37	34		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<0.35	<2.0		µg/L	GE	0
		Calcium	8,630	7,530	6,560	5,890	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate Chloride	<1,000	<1,000	2,220	2,320		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	2.3	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<0.88	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<1.1	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	1.0	1.1	2.2	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB146C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	110	105	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	1.2E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	11	7.9	16		µg/L	GE	0
		Lead	<3.0	<3.0	<2.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	353	241	249	307		µg/L	GE	0
		Manganese	<2.0	<2.0	1.2	<2.0		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<3.1	<4.0		µg/L	GE	0
		Nitrate as nitrogen			581			µg/L		
		Nitrate-nitrite as nitrogen	550	710	670	650		µg/L	GE	0
		Nonvolatile beta	7.1E+00	2.4E+00	6.7E+00	<2.0E+00		pCi/L	GE	0
		pH	7.6	7.6	8.9	7.4	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	6.020	4.440	4.550	4.040		µg/L	GE	0
		Radium-226			2.7E+00			pCi/L		
		Radium-228			2.7E+00			pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	4,990	6,110	6,100	5,120		µg/L	GE	0
		Silver	<2.0	<2.0	<0.70	<2.0		µg/L	GE	0
		Sodium	8,410	6,280	6,190	5,940		µg/L	GE	0
		Specific conductance	102	70	79	60		µS/cm	GE	0
		Sulfate	1,190	1,110	1,030	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	58,000	38,000	46,000	45,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<500	<1,000		µg/L	GE	0
		Total organic halogens	9.6	6.3	19	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	80	120	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	1.0E+01	1.1E+01	1.2E+01	9.9E+00		pCi/mL	GE	0
		Uranium			<0.030	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	3.7	<8.0		µg/L	GE	0
		Zinc	<2.0	<2.0	7.2	2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

WELL HSB146D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70469.7 E58493.0	33.277069 °N 81.649663 °W	224.1-204.0 ft msl	253.1 ft msl	4" PVC	S	Water table (HIB <sub>7</sub> )

SAMPLE DATE	01/10/92	04/03/92	07/24/92	10/23/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.1	222.4	221.8	213.6	ft msl
pH	5.4	5.1	5.0	5.0	pH
Sp. conductance	18	18	16	17	µS/cm
Water temperature	18.3	19.0	19.3	20.1	°C
Alkalinity as CaCO <sub>3</sub>	3	1	1	1	mg/L
Volume purged	4.0	4.0	5.3	8.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			3.1	2.5		mg/L	GE	0
		Aluminum	< 2.0	< 2.0	< 2.0	195		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	8.9	9.5	9.4	8.0		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromoform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	798	648	749	652	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Carbonate	< 1,000	< 1,000				µg/L		
		Chloride	1,320	1,300	1,280	1,390		µg/L	GE	0
		Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	6.8	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Dibromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	1.3	1.0	1.8	1.7		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	< 0.30	< 0.30	< 0.30	< 0.30		µg/L	GE	0
		1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Endrin	< 0.0060	< 0.0060	< 0.0060	< 0.0060		µg/L	GE	0
		Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	13	8.5	10.0	40		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	231	259	304	294		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.





Well HSB147D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	1,070	1,120	1,130	1,130	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000				µg/L		
		Chloride	4,660	4,910	4,210	4,070		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	4.8	7.5		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	3.0	<1.0	1.5	<1.0		µg/L	GE	0
•		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30	J1	µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	9.8	12	9.2	127		µg/L	GE	0
		Lead	<3.0	3.6	<3.0	8.6		µg/L	GE	1
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	665	680	670	797		µg/L	GE	0
		Manganese	7.3	8.2	7.4	6.1		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	6.0	<4.0	4.3		µg/L	GE	0
		Nitrate as nitrogen	470					µg/L		
		Nitrate-nitrite as nitrogen		620	580	550		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	2.2E+00	2.0E+00		pCi/L	GE	0
•		pH	5.8	5.8	5.8	6.0	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	598	<500	824	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	7,150	6,810	6,590	6,700		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	2,840	2,750	2,850	3,020		µg/L	GE	0
		Specific conductance	34	30	32	30		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	1.1E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	26,000	21,000	24,000	21,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	80	60	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB147D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
•		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J1	µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	2.4E + 01	2.2E + 01	2.1E + 01	1.8E + 01		pCi/mL	GE	1
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	23	23	18	22		µg/L	GE	0

WELL HSB148C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N70151.5 E55344.2	33.271228 °N 81.657336 °W	168.9-158.9 ft msl	250.9 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/15/92	04/24/92	07/24/92	10/23/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	201.9	201.8	201.5	201.6	ft msl
pH	11.7	10.6	10.8	11.1	pH
Sp. conductance	345	298	314	290	µS/cm
Water temperature	16.3	17.8	19.3	17.1	°C
Alkalinity as CaCO <sub>3</sub>	71	64	68	68	mg/L
Volume purged	0.9	0.8	0.9	0.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			82	86		mg/L	GE	0
		Aluminum	1,040	988	871	911		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	41	42	41	36		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	23,100	24,200	21,300	21,800	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	23,200	29,000				µg/L		
		Chloride	1,690	1,740	1,670	1,630		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	5.7	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

• = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB148C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Dichloromethane (Methylene chloride)	<1.0	1.1	1.5	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	2.2	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	122	131	139	160		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	<4.0	6.4		µg/L	GF	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GF	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	72	77	78	91		µg/L	GE	0
		Manganese	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	360					µg/L		
		Nitrate-nitrite as nitrogen		410	430	420		µg/L	GE	0
		Nonvolatile beta	6.1E+00	5.8E+00	6.7E+00	6.0E+00		pCi/L	GE	0
		pH	11	12	11	11	J	pH	GE	2
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	6,570	6,750	6,710	7,030		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	10,500	10,400	10,800	9,860		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	8,660	8,080	7,790	7,980		µg/L	GE	0
		Specific conductance	380	280	285	270		µS/cm	GE	1
		Sulfate	3,090	3,320	2,970	2,480		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	1.0E+00	1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	103,000	91,000	97,000	71,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	1,000	<1,000		µg/L	GE	0
		Total organic halogens	5.3	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	8.0E-01	9.2E-01	1.1E+00	7.9E-01		pCi/mL	GE	0
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	<2.0	<2.0	<2.0	2.5		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB148D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N70160.9 E55355.7	33.271268 °N 81.657324 °W	218.1-198.1 ft msl	251.1 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

<u>SAMPLE DATE</u>	01/15/92	04/24/92	07/24/92	10/23/92
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**FIELD DATA**

<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Unit</u>
Water elevation	213.6	213.9	213.3	213.9	ft msl
pH	11.3	9.6	9.6	9.7	pH
Sp. conductance	157	90	72	77	µS/cm
Water temperature	16.4	17.8	19.3	16.8	°C
Alkalinity as CaCO <sub>3</sub>	36	26	21	25	mg/L
Volume purged	0.6	0.6	0.7	0.6	Well voi

**ANALYTICAL DATA**

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>1Q92</u>	<u>2Q92</u>	<u>3Q92</u>	<u>4Q92</u>	<u>Mod</u>	<u>Unit</u>	<u>Lab</u>	<u>Flag</u>
		Alkalinity (as CaCO <sub>3</sub> )			30	34		mg/L	GE	0
		Aluminum	1,310	937	696	695		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	25	22	19	17		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	22,600	16,900	16,600	10,800	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	26,200	29,000				µg/L		
		Chloride	2,010	2,100	1,940	2,010		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	1.3	<1.0	1.1	1.2		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	4.1	1.0	2.0	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	11	19	18	191	J24	µg/L	GE	1
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	90	143	174	225		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.  
 ● = exceeded holding time for 4th quarter 1992.  
 ■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB148D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Manganese	< 2.0	< 2.0	< 2.0	3.7		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Methoxychlor	< 0.50	< 0.50	< 0.50	< 0.50		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	< 50	50	< 50	50		µg/L	GE	0
		Nitrate-nitrite as nitrogen		50	< 50	50		µg/L	GE	0
		Nonvolatile beta	< 2.0E + 00	< 2.0E + 00	2.4E + 00	2.5E + 00		pCi/L	GE	0
		pH	11	10	9.5	9.8	J	pH	GE	1
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Potassium	1,760	1,570	1,260	1,200		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	9,670	9,280	9,690	9,020		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,970	2,240	2,560	2,430		µg/L	GE	0
		Specific conductance	180	65	65	80		µS/cm	GE	0
		Sulfate	3,000	3,540	3,760	3,320		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Tetrachloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Toluene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	1.0E + 00	< 1.0E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	57,000	37,000	52,000	58,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	18	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		Toxaphene	< 0.24	< 0.24	< 0.24	< 0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	< 0.090	< 0.090	< 0.090	< 0.090		µg/L	GE	0
		1,1,1-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Trichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Trichlorofluoromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Tritium	1.5E + 01	1.5E + 01	1.4E + 01	1.2E + 01		pCi/mL	GE	1
		Uranium			< 20	< 20		µg/L	GE	0
		Vanadium	12	11	11	9.0		µg/L	GE	0
		Zinc	< 2.0	< 2.0	< 2.0	4.8		µg/L	GE	0

WELL HSB149D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71338.8 E57286.3	33.277023 °N 81.654529 °W	227.0-207.0 ft msl	240 ft msl	4" PVC	S	Water table (H <sub>2</sub> O)

SAMPLE DATE	01/08/92	04/23/92	07/27/92	10/21/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	222.5	224.1	224.6	223.2	ft msl
pH	4.7	4.1	4.5	4.5	pH
Sp. conductance	27	20	21	25	µS/cm
Water temperature	19.2	18.8	21.4	22.0	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	11.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			2.1	2.0		mg/L	GE	0
		Aluminum	61	74	75	200		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB149D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Barium	4.7	4.1	3.9	4.3		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	222	224	213	177	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	2,670				µg/L		
		Chloride	2,090	2,080	1,890	1,910		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	7.2	5.4	4.9		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	2.4	<1.0	<1.0	1.6		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30	J1	µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	40	27	32	68		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	328	321	320	343		µg/L	GE	0
		Manganese	7.0	5.3	5.1	2.8		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	7.0	<4.0	<4.0	5.2		µg/L	GE	0
		Nitrate as nitrogen	810					µg/L	GE	0
		Nitrate-nitrite as nitrogen		480	<50	660		µg/L	GE	0
		Nonvolatile beta	2.7E+00	2.2E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	5.0	4.9	4.8	5.1	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	6.050	5.820	5.650	6.130		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	2,460	1,670	1,520	2,200		µg/cm	GE	0
		Specific conductance	25	20	18	25		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	1.4		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	1.6E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	17,000	10,000	18,000	22,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	14	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	90	100	50	<50		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB149D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
●		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090	J1	µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	1.6		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
	■	Tritium	5.0E+01	3.1E+01	2.8E+01	2.7E+01		pCi/mL	GE	2
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	11	8.4	7.7	7.4		µg/L	GE	0

WELL HSB150D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N71692.6 E58692.8	33.280100 °N 81.651512 °W	226.9-206.9 ft msl	239 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/07/92	04/27/92	07/24/92	10/23/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	226.6	227.4	229.4	225.3	ft msl
pH	5.4	4.2	4.9	4.4	pH
Sp. conductance	37	35	32	35	µS/cm
Water temperature	17.1	16.8	21.0	18.5	°C
Alkalinity as CaCO <sub>3</sub>	1	0	0	1	mg/L
Volume purged	4.0	4.0	4.0	1.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			6.4	6.6		mg/L	GE	0
		Aluminum	<2.0	107	30	1,770		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	3.3	5.1	4.4	7.0		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<0.35	<2.0	<2.0		µg/L	GE	0
		Calcium	482	835	686	773	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<500				µg/L		
		Chloride	3,580	5,500	2,760	3,980		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<1.1	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<0.88	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	4.3	6.2	1.3		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.



Well HSB150D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	1.1	2.2	1.0	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	1.2E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	6.5	30	8.0	639		µg/L	GE	2
		Lead	<3.0	4.1	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	350	591	463	613		µg/L	GE	0
		Manganese	3.5	4.4	2.2	4.8		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<3.1	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	360	335				µg/L		
		Nitrate-nitrite as nitrogen		320	630	450		µg/L	GE	0
		Nonvolatile beta	3.3E+00	2.2E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		pH	4.8	5.9	5.5	5.6	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	127	<500	<500		µg/L	GE	0
		Radium-226		2.0E-01				pCi/L		
		Radium-228		8.0E-01				pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	5,800	6,110	6,590	10,400		µg/L	GE	J
		Silver	<2.0	<0.70	<2.0	<2.0		µg/L	GE	0
		Sodium	5,160	4,530	4,030	3,850		µg/L	GE	0
		Specific conductance	30	40	28	30		µS/cm	GE	0
		Sulfate	2,630	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	23,000	32,000	19,000	32,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<500	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	23	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	21	<50	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	4.1E+01	3.3E+01	1.8E+01	3.7E+01		pCi/mL	GE	2
		Uranium		1.2	<20	<20		µg/L	GE	0
		Vanadium	<8.0	<0.88	<8.0	<8.0		µg/L	GE	0
		Zinc	8.2	13	5.3	24		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB151C**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72997.9 E54014.9	33.275355 °N 81.666365 °W	180.6-170.6 ft msl	213.6 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/14/92	04/13/92	07/27/92	10/22/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	208.3	207.8	208.6	207.6	ft msl
pH	4.6	4.2	4.7	4.7	pH
Sp. conductance	84	92	87	90	µS/cm
Water temperature	17.0	18.3	20.0	19.4	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	3.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			1.7	2.5		mg/L	GE	0
		Aluminum	92	107	88	125		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	20	21	21	20		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromoform	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	2,100	2,120	2,130	2,020	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Carbonate	< 1,000	< 1,000				µg/L		
		Chloride	2,740	2,730	2,580	2,450		µg/L	GE	0
		Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroform	1.3	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Dibromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		1,1-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	1.3	1.2	1.1	< 1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	< 0.30	< 0.30	< 0.30	< 0.30		µg/L	GE	0
		1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Endrin	< 0.0060	< 0.0060	< 0.0060	< 0.0060		µg/L	GE	0
		Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	5.0E + 00	< 2.0E + 00	4.1E + 00		pCi/L	GE	0
		Iron	8.3	4.1	6.0	10		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	3.6		µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	1,340	1,400	1,410	1,420		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB151C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Manganese	10	12	10	9.3		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	8,000	8,240	9,400	8,250		µg/L	GE	1
		Nonvolatile beta	2.4E+01	1.9E+01	1.3E+01	1.8E+01		pCi/L	GE	0
		pH	5.1	5.1	5.0	5.1	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	521	535	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	7,480	7,070	7,090	6,920		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	9,420	9,730	9,690	10,300		µg/L	GE	0
		Specific conductance	65	89	90	80		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity	2.3E+06	2.1E+06	1.9E+06	2.0E+06		pCi/L	EM	0
		Total alpha-emitting radium	1.7E+00	3.2E+00	1.1E+00	1.7E+00		pCi/L	GE	0
		Total dissolved solids	72,000	68,000	69,000	36,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	43	12	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	50	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	2.2E+03	2.2E+03	1.8E+03	1.8E+03		pCi/mL	GE	2
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	3.5	3.3	3.6	2.3		µg/L	GE	0

WELL HSB151D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72997.8 E54026.4	33.275373 °N 81.666334 °W	207.6-197.6 ft msl	213.6 ft msl	4" PVC	S	Water table (IIB <sub>2</sub> )

SAMPLE DATE	01/14/92	04/13/92	07/27/92	10/22/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	207.9	207.2	208.2	207.0	ft msl
pH	6.7	4.3	4.7	4.8	pH
Sp. conductance	29	28	24	25	µS/cm
Water temperature	15.4	16.0	22.4	21.1	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	8.3	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			2.6	2.5		mg/L	GE	0
		Aluminum	27	33	<20	44		µg/L	GE	1
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB151D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Barium	6.0	5.2	5.0	4.8		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	512	474	444	403	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000				µg/L		
		Chloride	1,780	1,720	1,400	1,320		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	8.3	6.2	17	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E +00	<2.0E +00	<2.0E +00	<2.0E +00		pCi/L	GE	0
		Iron	7.2	11	12	28		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	563	537	464	482		µg/L	GE	0
		Manganese	4.4	2.5	2.9	2.1		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	1,860					µg/L		
		Nitrate-nitrite as nitrogen		1,600	1,290	1,290		µg/L	GE	0
		Nonvolatile beta	6.8E +00	<2.0E +00	<2.0E +00	2.7E +00		pCi/L	GE	0
		pH	5.2	4.8	5.2	5.6	J	pH	GE	0
		Phenols	8.5	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	5,780	5,330	6,030	5,710		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	3,160	2,850	2,330	2,470		µg/L	GE	0
		Specific conductance	31	30	25	25		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity		4.6E +05	2.6E +05	2.8E +05		pCi/L	EM	0
		Total alpha-emitting radium	<1.0E +00	<1.0E +00	1.0E +00	<1.0E +00		pCi/L	GE	0
		Total dissolved solids	25,000	17,000	20,000	18,000	V	µg/L	GE	0
		Total organic carbon	2,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	15	14	12	<5.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB151D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Total phosphates (as P)	<50	<50	90	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
	■	Tritium	6.9E + 02	4.8E + 02	2.6E + 02	2.6E + 02		pCi/mL	GE	2
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	13	7.4	16	5.6		µg/L	GE	0

WELL HSB152C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72012.0 E54346.7	33.273716 °N 81.663576 °W	183.1-173.1 ft msl	214.1 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

SAMPLE DATE	01/14/92	04/13/92	07/27/92	10/22/92
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FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	199.0	198.8	199.0	198.7	ft msl
pH	4.7	4.4	4.8	4.9	pH
Sp. conductance	90	100	105	99	µS/cm
Water temperature	16.3	17.2	18.7	17.7	°C
Alkalinity as CaCO <sub>3</sub>	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	9.3	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO <sub>3</sub> )			3.3	5.1		mg/L	GE	0
		Aluminum	85	84	57	87		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	29	31	33	32		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	3,590	4,090	4,530	4,340	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000				µg/L		
		Chloride	3,360	3,170	3,230	3,320		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

- = exceeded holding time for 4th quarter 1992.
- = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB152C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	2.7	<1.0	<1.0	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100	<100	<100		µg/L	GE	0
		Gross alpha	<2.0E+00	2.5E+00	2.1E+00	2.7E+00		pCi/L	GE	0
		Iron	7.6	6.5	9.2	5.9		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	2,330	2,410	2,530	2,600		µg/L	GE	0
		Manganese	39	37	37	37		µg/L	GE	1
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	8.100	8.700	10.500	9.300		µg/L	GE	1
		Nonvolatile beta	4.1E+01	3.7E+01	2.4E+01	2.4E+01	J	pCi/L	GE	0
		pH	5.2	5.0	5.4	5.4		pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	558	755	680	710		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	9,890	9,940	9,350	9,240		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	6,710	6,910	7,280	7,390		µg/L	GE	0
		Specific conductance	80	90	100	90		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity	1.2E+06	1.1E+06	1.2E+06	1.2E+06		pCi/L	EM	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	65,000	69,000	76,000	72,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	1.2E+03	1.2E+03	1.2E+03	1.1E+03		pCi/mL	GE	2
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	12	14	14	13		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

**WELL HSB152D**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72011.7 E54362.1	33.273740 °N 81.663535 °W	207.0-197.0 ft msl	214.1 ft msl	4" PVC	S	Water table (IIB <sub>7</sub> )

SAMPLE DATE	01/14/92	04/13/92	07/27/92	10/22/92
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**FIELD DATA**

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation					ft msl
pH	4.9	4.6	4.8	4.8	pH
Sp. conductance	58	57	35	52	µS/cm
Water temperature	13.6	15.4	21.1	18.7	°C
Alkalinity as CaCO <sub>3</sub>	1	1	0	1	mg/L
Volume purged					Well vol.

**ANALYTICAL DATA**

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Alkalinity (as Ca(OH) <sub>2</sub> )			5.3	2.5		mg/L	GE	0
		Aluminum	114	<20	<20	5,050		µg/L	GE	2
		Antimony	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	32	28	21	32		µg/L	GE	0
		Benzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromoform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	1,340	1,170	874	1,190	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Carbonate	<1,000	<1,000				µg/L		
		Chloride	2,910	3,120	3,600	2,500		µg/L	GE	0
		Chlorobenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloroform	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chromium	<4.0	<4.0	<4.0	8.7		µg/L	GE	0
		Cobalt	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	74	89	48	253		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	<1.0	<1.0	1.2	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	<0.30	<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Endrin	<0.0060	<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	432	<100	<100	<100		µg/L	GE	0
		Gross alpha	3.3E+00	5.4E+00	<2.0E+00	3.6E+00		pCi/L	GE	0
		Iron	92	44	51	2,930	J2	µg/L	GE	2
		Lead	11	8.4	6.0	71		µg/L	GE	2
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	735	677	545	812		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

● = exceeded holding time for 4th quarter 1992.

■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well HSB152D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Manganese	35	33	24	36		µg/L	GE	1
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	11	4.4	<4.0	8.8		µg/L	GE	0
		Nitrate as nitrogen	3,460					µg/L		
		Nitrate-nitrite as nitrogen		3,260	1,170	3,200		µg/L	GE	0
		Nonvolatile beta	1.6E+01	1.4E+01	4.7E+00	1.4E+01		pCi/L	GE	0
●		pH	5.3	5.1	5.5	5.3	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	6,800	6,260	5,960	16,000		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	6,650	6,200	4,530	5,960		µg/L	GE	0
		Specific conductance	60	50	40	50		µS/cm	GE	0
		Sulfate	2,970	1,510	1,150	1,190		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity		4.8E+05	1.1E+05	4.2E+05		pCi/L	EM	0
		Total alpha-emitting radium	2.0E+00	1.2E+00	<1.0E+00	1.6E+00		pCi/L	GE	0
		Total dissolved solids	46,000	37,000	33,000	44,000	V	µg/L	GE	0
		Total organic carbon	2,000	2,000	1,600	1,480		µg/L	GE	0
		Total organic halogens	13	41	25	14		µg/L	GE	0
		Total phosphates (as P)	340	1,180	630	300		µg/L	GE	0
		Toxaphene	<0.24	<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)	<0.090	<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	3.1	3.0	17	2.1		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
■		Tritium	5.6E+02	4.7E+02	2.0E+02	3.9E+02		pCi/mL	GE	2
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	128	107	68	194		µg/L	GE	0

Note: Flagging levels, modifiers, and laboratories are for 4th quarter 1992 data only. See Appendix B for flagging criteria.

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# **Appendix E – Data Quality/Useability Assessment**

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## **Data Quality/Useability Assessment**

Quality assurance/quality control (QA/QC) procedures relating to accuracy and precision of analyses performed on groundwater samples are followed in the field and laboratory and are reviewed prior to publication of results. The Environmental Protection Department/Environmental Monitoring Section's (EPD/EMS) review of the volume of analytical data acquired each quarter and presented in various reports is an ongoing process; its review of the QA/QC data cannot be completed in time to meet the deadlines for the reports required by the Resource Conservation and Recovery Act and associated regulations. Other site and regulatory personnel can obtain further information on the data quality and useability in a variety of ways, including those described below.

### ***Data Qualification***

The contract laboratories continually assess their own accuracy and precision according to U.S. Environmental Protection Agency (EPA) guidelines. They submit sample- or batch-specific QA/QC information either at the same time as analytical results or in a quarterly summary. Properly defined and used result modifiers (also referred to as qualifiers) can be a key component in assessing data useability. Result modifiers designed by EPD/EMS and provided to the primary laboratories are presented in Appendix D.

### ***Assessment of Accuracy of the Data***

Accuracy, or the nearness of the reported result to the true concentration of a constituent in a sample, can be assessed in several ways.

A laboratory's general accuracy can be judged by analysis of results obtained from known samples. The non-radionuclide contract laboratories analyze commercial reference samples every quarter at EPD/EMS' request. The results of these analyses are presented in the EPD/EMS quarterly report, *The Savannah River Site's Groundwater Monitoring Program*. The primary laboratories also seek or maintain state certification by participating periodically in performance studies; reference samples and analysis of results are provided by EPA. Results of these studies also are published in the EPD/EMS quarterly reports.

Analysis of blanks provides a tool for assessing the accuracy of both sampling and laboratory analysis. Results for all field blanks for the quarter can be found in the EPD/EMS quarterly reports. Any field or laboratory blanks that exceeded established minimums are identified in the same reports, in tables associating them with groundwater samples analyzed in the same batches.

Surrogates, organic compounds similar in chemical behavior to the compounds of interest but not normally found in environmental samples, are used to monitor the effect of the matrix on the accuracy of analyses for organic parameters. For example, for analyses of volatile organics by EPA Method 8240, three surrogate compounds are added to all samples

and blanks in each analytical batch. In analyses of semivolatile organics, three to four acid compounds and three to four base/neutral compounds are used. Other surrogates are used in pesticides analyses. Percent recoveries for surrogate analyses are calculated by laboratory personnel, reported to EPD/EMS, reviewed, and entered into the database, but they are not published. If recoveries are not within specified limits, the laboratory is expected to re-run the samples or attach result qualifiers to the data identifying the anomalous results.

Sample-specific accuracy for both organic and inorganic parameters can be assessed by examination of matrix spike/matrix spike duplicate results. A sample is analyzed unspiked to determine a baseline set of values. A second portion of sample is spiked with known concentrations of compounds appropriate to the analyses being performed, typically 5 volatile organic compounds for volatile organics analyses, 11 semivolatile compounds for semivolatiles, 6 pesticide compounds for pesticides, all metals for metals analyses, and a known quantity of cyanide for cyanide analysis. The percentage of the spike compound that is recovered (i.e., measured in excess of the value obtained for the unspiked sample) is a direct measure of analytical accuracy. EPA requires matrix spike/matrix spike duplicates to be run at least once per 20 samples of similar matrix.

Matrix spike/matrix spike duplicate results are reported to EPD/EMS but are not published. For organic compounds, according to EPA guidelines, no action is taken on the basis of matrix spike/matrix spike duplicate data alone (i.e., no result modifiers are assigned solely on the basis of matrix spike results); however, the results can indicate if a lab is having a systematic problem in the analysis of one or more analytes.

In the case of inorganic compounds, such as metals, the matrix spike sample analysis provides information about the effect of each sample matrix on the digestion and measurement methodology. Data qualifiers can be assigned on the basis of the percentage of spike recovery and are reported in the published results tables.

### ***Assessment of Precision***

Precision of the analyses, or agreement of a set of replicate results among themselves, is assessed through the use of duplicates (laboratory-initiated) and blind replicates (provided by EPD/EMS). The results of duplicate and replicate analyses are presented in the results tables of the first, second, and third quarter reports as multiple entries for an analyte under a single well heading. The results of replicate analyses are presented in the results tables in first, second, and third quarter reports as two separate sets of results for the same well. Duplicate and replicate results are not presented in fourth quarter reports; the results tables present instead only the highest result for each analyte for each quarter of the year.

The laboratories assess precision by calculating the relative percent difference, or RPD, for each pair of laboratory-initiated duplicate results. During 1992, at least one of the contract laboratories used a data qualifier (J3) to modify metals analyses when the RPD for laboratory duplicates was greater than 20%.

Additional statistical comparisons of laboratory duplicate and blind replicate results, both intra- and interlaboratory, are presented in the EPD/EMS quarterly reports. The calculation used for these reports is the MRD, or mean relative difference, which is similar to EPA's RPD except that the MRD provides a single value for all of the analyses of a particular compound, either inter- or intralaboratory, during one quarter. Because detection limits may vary among samples, the MRD requires calculation of a reference detection limit, which is the detection limit at the 90th percentile of the array of limits in the population of all replicate and duplicate analyses for a given analyte during a particular quarter. The MRD is not method-specific.

### ***Method-Specific Accuracy and Precision***

The contract laboratories' EPA-approved laboratory procedures include QA/QC requirements as an integral part of the methods. Thus, knowledge of the method used in obtaining data is an important component of determining data useability. EPA has conducted extensive research and development on the methods approved for the analysis of water and waste water; information on the accuracy and precision of the method is available from EPA publications, as is full information on required QA/QC procedures. A listing of the methods used by the primary laboratories during first quarter 1992 is given below along with the source for the method description. Many, if not all, of these sources include presentations of representative accuracy and precision results.

<u>Method</u>	<u>Used to Analyze</u>	<u>Source</u>
EPA120.1	Specific conductance	EPA EMSL 1983
EPA150.1	pH	EPA EMSL 1983
EPA160.1	Filterable residue (total dissolved solids)	EPA EMSL 1983
EPA160.2	Nonfilterable residue	EPA EMSL 1983
EPA180.1	Turbidity	EPA EMSL 1983
EPA200.7	Trace elements	EPA EMSL 1983
EPA206.2	Arsenic	EPA EMSL 1983
EPA208.2	Barium	EPA EMSL 1983
EPA239.2	Lead	EPA EMSL 1983
EPA245.1	Mercury	EPA EMSL 1983
EPA270.2	Selenium	EPA EMSL 1983
EPA279.2	Thallium	EPA EMSL 1983
EPA300.0	Inorganics, non-metallics	EPA EMSL 1991
EPA310.1	Alkalinity	EPA EMSL 1983
EPA325.2	Chloride	EPA EMSL 1983
EPA335.3	Cyanide	EPA EMSL 1983
EPA340.2	Fluoride	EPA EMSL 1983
EPA353.1	Nitrogen, nitrate-nitrite	EPA EMSL 1983
EPA353.2	Nitrogen, nitrate, nitrite, or combined	EPA EMSL 1983
EPA353.3	Nitrogen, nitrate-nitrite, or nitrite only	EPA EMSL 1983
EPA354.1	Nitrogen, nitrite	EPA EMSL 1983
EPA365.1	Phosphorus, all forms (reported as total phosphates)	EPA EMSL 1983
EPA365.2	Phosphorus, all forms (reported as total phosphates)	EPA EMSL 1983
EPA375.4	Sulfate, turbidimetric	EPA EMSL 1983
EPA376.2	Sulfide	EPA EMSL 1983
APHA403	Alkalinity	APHA 1985
EPA413.1	Oil & grease	EPA EMSL 1983
APHA415A	Iodine	APHA 1985

<u>Method</u>	<u>Used to Analyze</u>	<u>Source</u>
EPA415.1	Total organic carbon	EPA EMSL 1983
EPA418.1	Petroleum hydrocarbons	EPA EMSL 1983
EPA420.1	Phenolics	EPA EMSL 1983
EPA420.2	Phenolics	EPA EMSL 1983
APHA705	Total alpha-emitting radium	APHA 1985
ASTMD3869C	Iodide	ASTM 1992
APHA5320	Dissolved organic halogen	APHA 1989
EPA6010	Metals	EPA 1986
EPA7041	Antimony	EPA 1986
EPA7060	Arsenic	EPA 1986
EPA7421	Lead	EPA 1986
EPA7470	Mercury	EPA 1986
EPA7740	Selenium	EPA 1986
EPA7841	Thallium	EPA 1986
EPA8010	Halogenated volatile organics	EPA 1986
EPA8020	Aromatic volatile organics	EPA 1986
EPA8080	Organochlorine pesticides and PCBs	EPA 1986
EPA8140	Organophosphorus pesticides	EPA 1986
EPA8150	Chlorinated herbicides	EPA 1986
EPA8240	GCMS VOA	EPA 1986
EPA8270	GCMS semivolatiles	EPA 1986
EPA8280	Dioxins and furans	EPA 1986
EPA9012	Total cyanide	EPA 1986
EPA9020	Total organic halides	EPA 1986
EPA9030	Sulfides	EPA 1986

An example of the available method-specific QA/QC information is that for the analysis of metals by EPA Method 6010/200.7 (EPA, 1986/EPA EMSL, 1983). The primary laboratories, General Engineering Laboratories (GE) and Roy F. Weston, Inc. (Weston), use this inductively coupled plasma (ICP) atomic emission spectrometric method.

The following precision and accuracy data are based on the experience of seven laboratories that applied the ICP technique to acid-distilled water matrices that had been dosed with various metal concentrates. (Note: not all seven laboratories analyzed all 14 elements.) The references give results for samples having three concentration ranges; the results here are for samples having the lowest values, similar to actual groundwater results for SRS.

#### *ICP Precision and Accuracy Data*

<u>Element</u>	<u>True value (<math>\mu\text{g/L}</math>)</u>	<u>Mean reported value (<math>\mu\text{g/L}</math>)</u>	<u>Mean percent RSD<sup>a</sup></u>
Beryllium	20	20	9.8
Manganese	15	15	6.7
Vanadium	70	69	2.9
Arsenic	22	19	23
Chromium	10	10	18
Copper	11	11	40
Iron	20	19	15
Aluminum	60	62	33

Element	True value ( $\mu\text{g/L}$ )	Mean reported value ( $\mu\text{g/L}$ )	Mean percent RSD <sup>a</sup>
Cadmium	2.5	2.9	16
Cobalt	20	20	4.1
Nickel	30	28	11
Lead	24	30	32
Zinc	16	19	45
Selenium	6	8.5	42

Note: In EPA (1986), the column heading is Mean Standard Deviation (%).

<sup>a</sup> Relative standard deviation.

As another example, EPA Method 601/8010 (CFR, 1991/EPA, 1986) is used by both GE and Weston for analyses of halogenated volatile organics. In the presentation of the method in both references, the following table gives method-specific accuracy and precision as functions of concentration. Contract laboratories are expected to achieve or at least approach these limits.

#### *Accuracy and Precision as Functions of Concentration for EPA Method 601/8010*

Parameter	Accuracy as recovery, $X'$ <sup>a</sup> ( $\mu\text{g/L}$ )	Single analyst precision ( $\mu\text{g/L}$ ) <sup>b</sup>	Overall precision ( $\mu\text{g/L}$ ) <sup>c</sup>
Bromodichloromethane	$1.12C - 1.02^d$	$0.11\bar{X} + 0.04^e$	$0.20\bar{X} + 1.00$
Bromoform	$0.96C - 2.05$	$0.12\bar{X} + 0.58$	$0.21\bar{X} + 2.41$
Bromomethane	$0.76C - 1.27$	$0.28\bar{X} + 0.27$	$0.36\bar{X} + 0.94$
Carbon tetrachloride	$0.98C - 1.04$	$0.15\bar{X} + 0.38$	$0.20\bar{X} + 0.39$
Chlorobenzene	$1.00C - 1.23$	$0.15\bar{X} - 0.02$	$0.18\bar{X} + 1.21$
Chloroethane	$0.99C - 1.53$	$0.14\bar{X} - 0.13$	$0.17\bar{X} + 0.63$
2-Chloroethyl vinyl ether <sup>f</sup>	$1.00C$	$0.20\bar{X}$	$0.35\bar{X}$
Chloroform	$0.93C - 0.39$	$0.13\bar{X} + 0.15$	$0.19\bar{X} - 0.02$
Chloromethane	$0.77C + 0.18$	$0.28\bar{X} - 0.31$	$0.52\bar{X} + 1.31$
Dibromochloromethane	$0.94C + 2.72$	$0.11\bar{X} + 1.10$	$0.24\bar{X} + 1.68$
1,2-Dichlorobenzene	$0.93C + 1.70$	$0.20\bar{X} + 0.97$	$0.13\bar{X} + 6.13$
1,3-Dichlorobenzene	$0.95C + 0.43$	$0.14\bar{X} + 2.33$	$0.26\bar{X} + 2.34$
1,4-Dichlorobenzene	$0.93C - 0.09$	$0.15\bar{X} + 0.29$	$0.20\bar{X} + 0.41$
1,1-Dichloroethane	$0.95C - 1.08$	$0.09\bar{X} + 0.17$	$0.14\bar{X} + 0.94$
1,2-Dichloroethane	$1.04C - 1.06$	$0.11\bar{X} + 0.70$	$0.15\bar{X} + 0.94$
1,1-Dichloroethene	$0.98C - 0.87$	$0.21\bar{X} - 0.23$	$0.29\bar{X} - 0.40$
trans-1,2-Dichloroethene	$0.97C - 0.16$	$0.11\bar{X} + 1.46$	$0.17\bar{X} + 1.46$
1,2-Dichloropropane <sup>f</sup>	$1.00C$	$0.13\bar{X}$	$0.23\bar{X}$
cis-1,3-Dichloropropene <sup>f</sup>	$1.00C$	$0.18\bar{X}$	$0.32\bar{X}$
trans-1,3-Dichloropropene <sup>f</sup>	$1.00C$	$0.18\bar{X}$	$0.32\bar{X}$
Methylene chloride	$0.91C - 0.93$	$0.11\bar{X} + 0.33$	$0.21\bar{X} + 1.43$
1,1,2,2-Tetrachloroethane	$0.95C + 0.19$	$0.14\bar{X} + 2.41$	$0.23\bar{X} + 2.79$
Tetrachloroethylene	$0.94C + 0.06$	$0.14\bar{X} + 0.38$	$0.18\bar{X} + 2.21$
1,1,1-Trichloroethane	$0.90C - 0.16$	$0.15\bar{X} + 0.04$	$0.20\bar{X} + 0.37$
1,1,2-Trichloroethane	$0.86C + 0.30$	$0.13\bar{X} - 0.14$	$0.19\bar{X} + 0.67$
Trichloroethylene	$0.87C + 0.48$	$0.13\bar{X} - 0.03$	$0.23\bar{X} + 0.30$

<u>Parameter</u>	<u>Accuracy as recovery, <math>X'</math><sup>a</sup> (<math>\mu\text{g/L}</math>)</u>	<u>Single analyst precision (<math>\mu\text{g/L}</math>)<sup>b</sup></u>	<u>Overall precision (<math>\mu\text{g/L}</math>)<sup>c</sup></u>
Trichlorofluoromethane	0.89C - 0.07	0.15 $\bar{X}$ + 0.67	0.26 $\bar{X}$ + 0.91
Vinyl chloride	0.97C - 0.36	0.13 $\bar{X}$ + 0.65	0.27 $\bar{X}$ + 0.40

<sup>a</sup>  $X'$  = expected recovery for one or more measurements of a sample containing a concentration of  $C$ , in  $\mu\text{g/L}$ .

<sup>b</sup> Expected single analyst standard deviation of measurements.

<sup>c</sup> Expected interlaboratory standard deviation of measurements.

<sup>d</sup>  $C$  = true value for the concentration, in  $\mu\text{g/L}$ .

<sup>e</sup>  $\bar{X}$  = average recovery found for measurements of samples containing a concentration of  $C$ , in  $\mu\text{g/L}$ .

<sup>f</sup> Estimates based on performance in a single laboratory.

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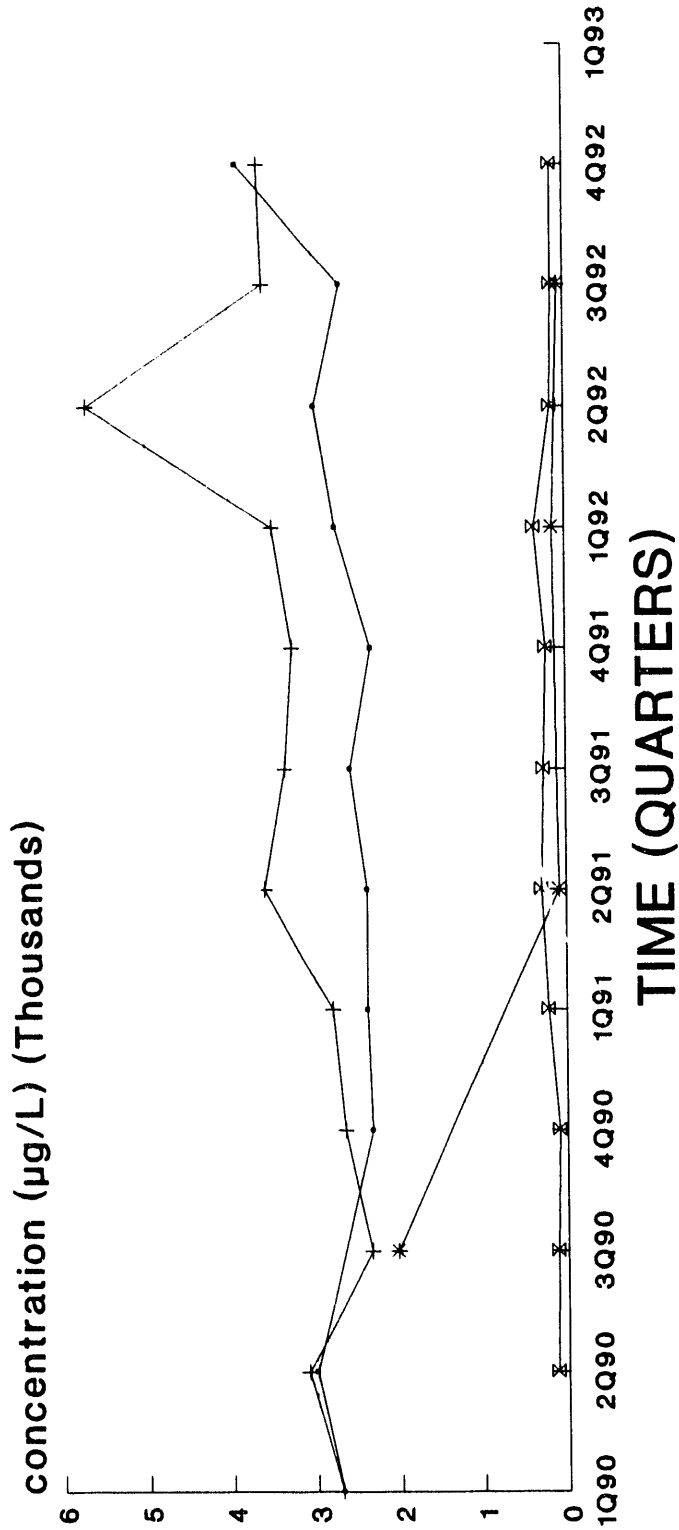


# **Appendix F – Time Series Plots**

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# CLUSTER - HSB 65

## Nitrate-Nitrite as Nitrogen

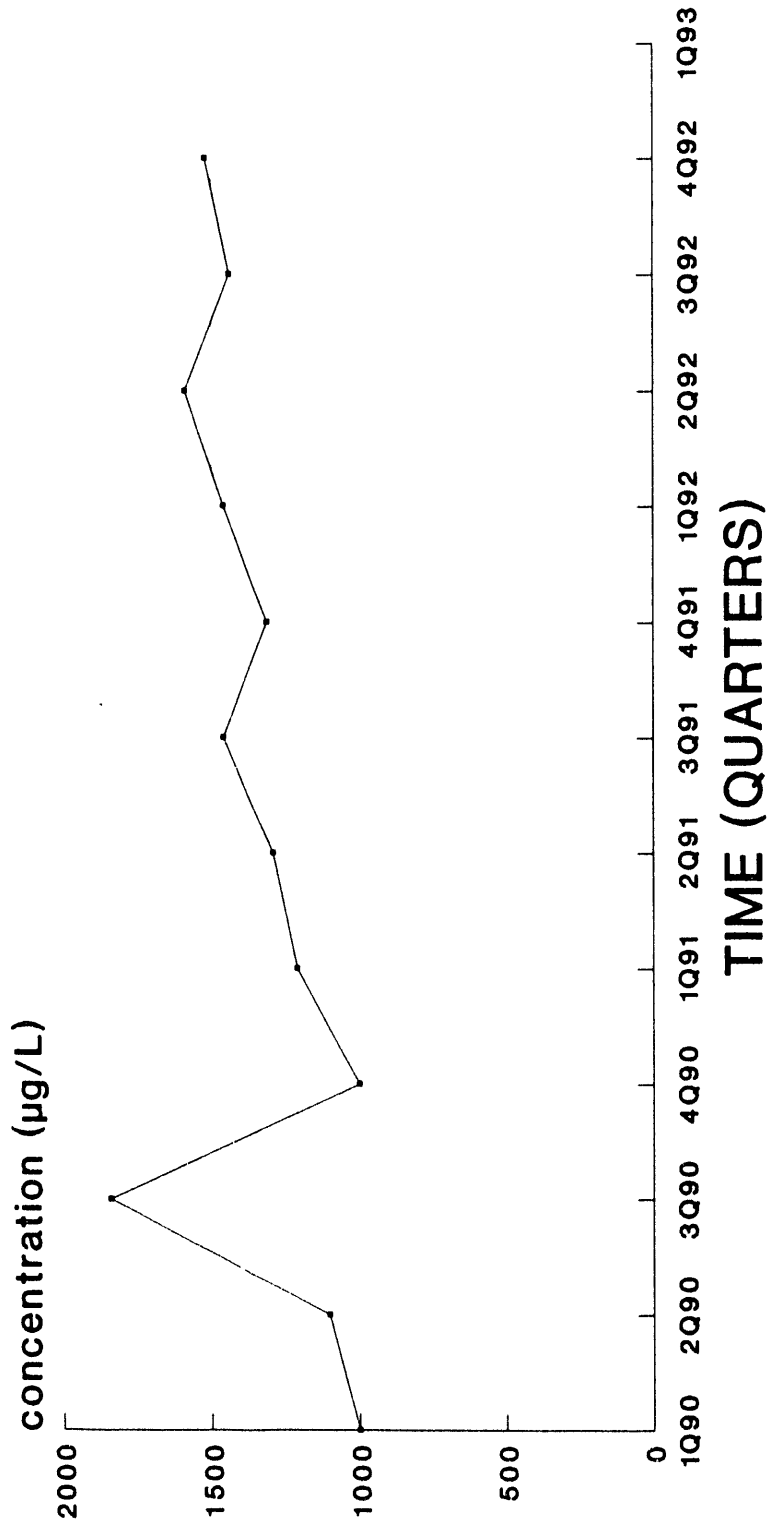


—+— WATER TABLE (IIB2)  
 —\*— McBEAN (IIB1)  
 —x— L. CONGAREE (IIA)

PDWS 10,000 µg/L  
 empty space denotes no data or dry well  
 1st water table: HSB 65; 2nd: HSB 65C

# HSB 66

## Nitrate-Nitrite as Nitrogen

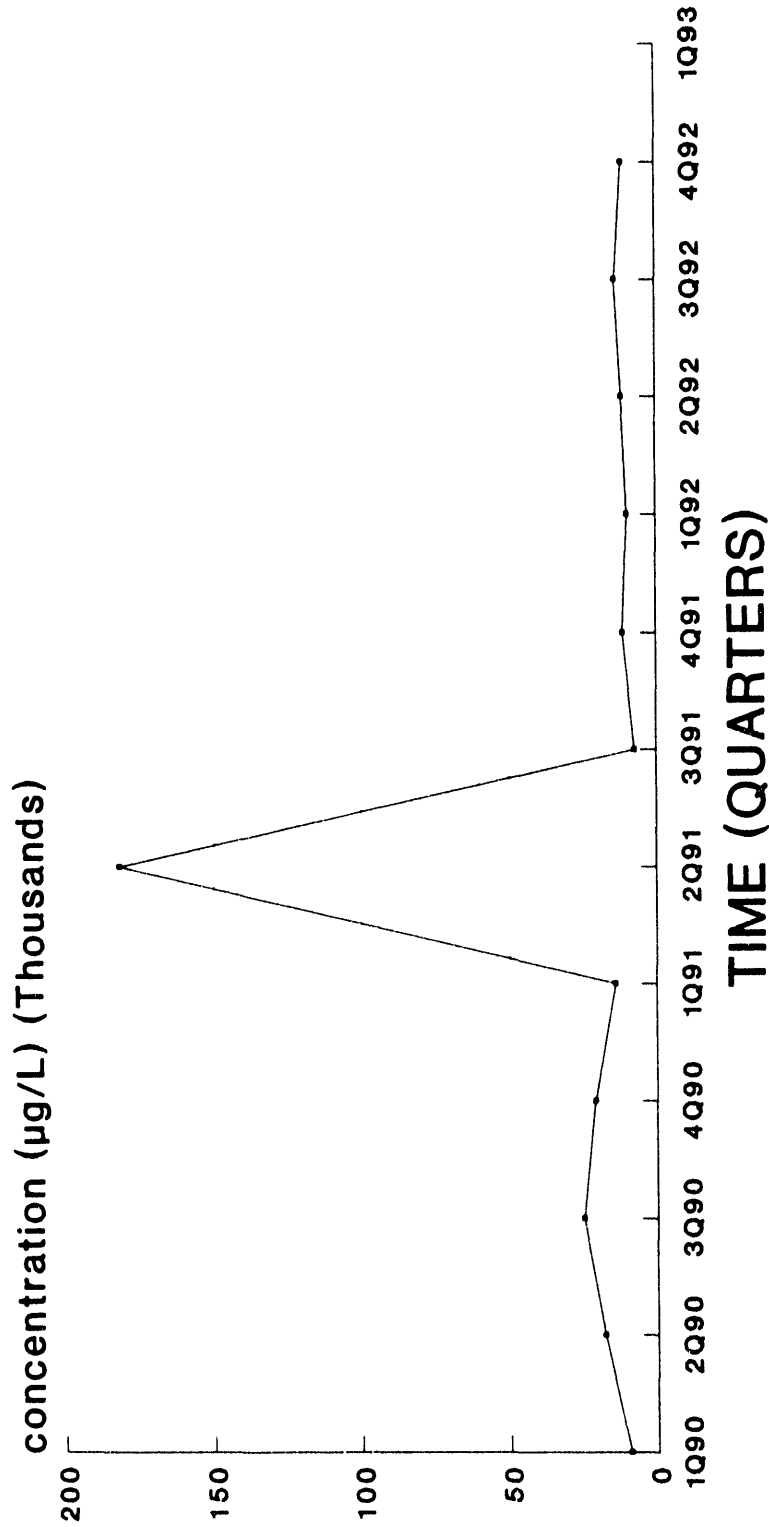


WATER TABLE (IIB2)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# HSB 67

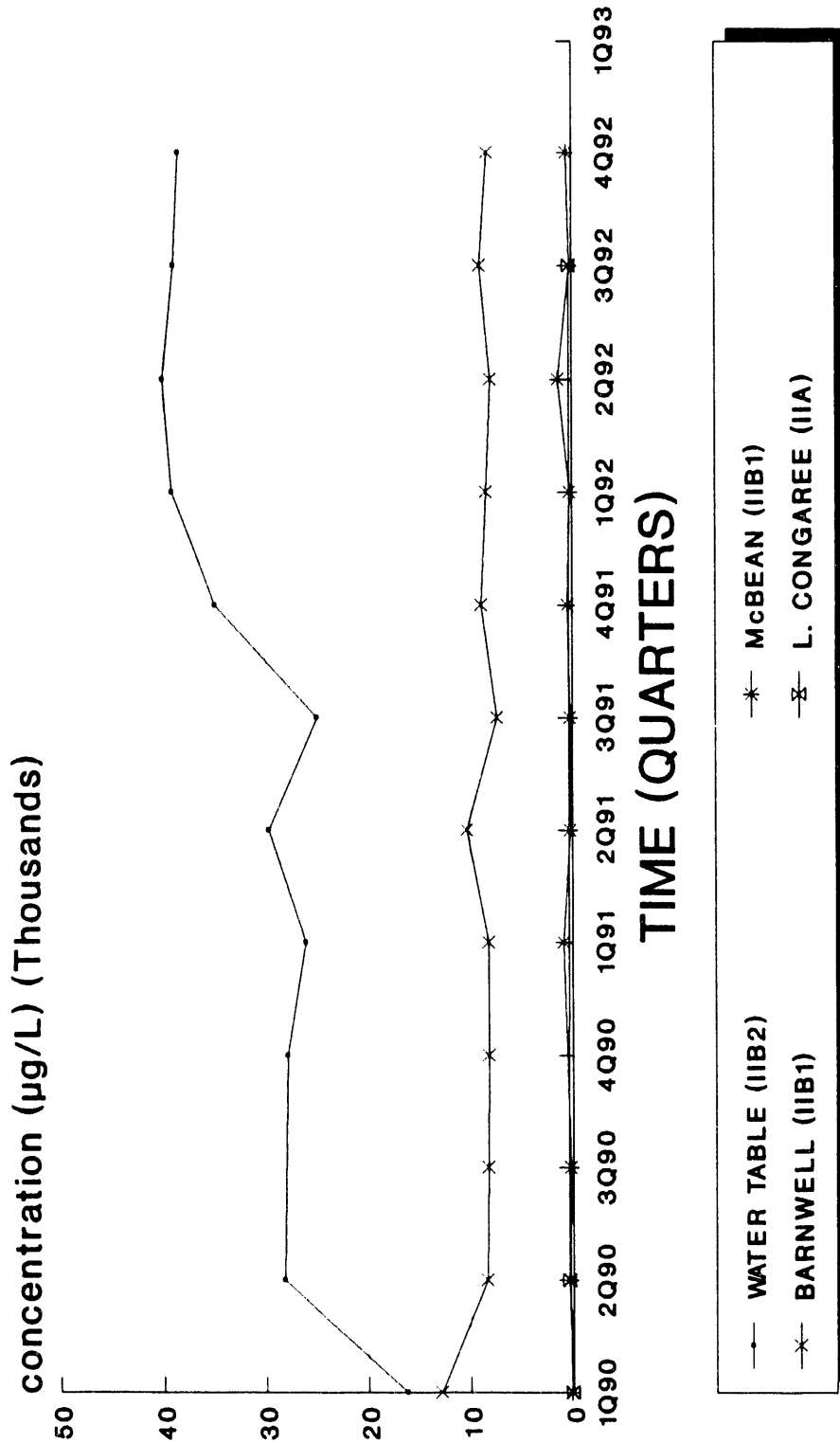
## Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB 68

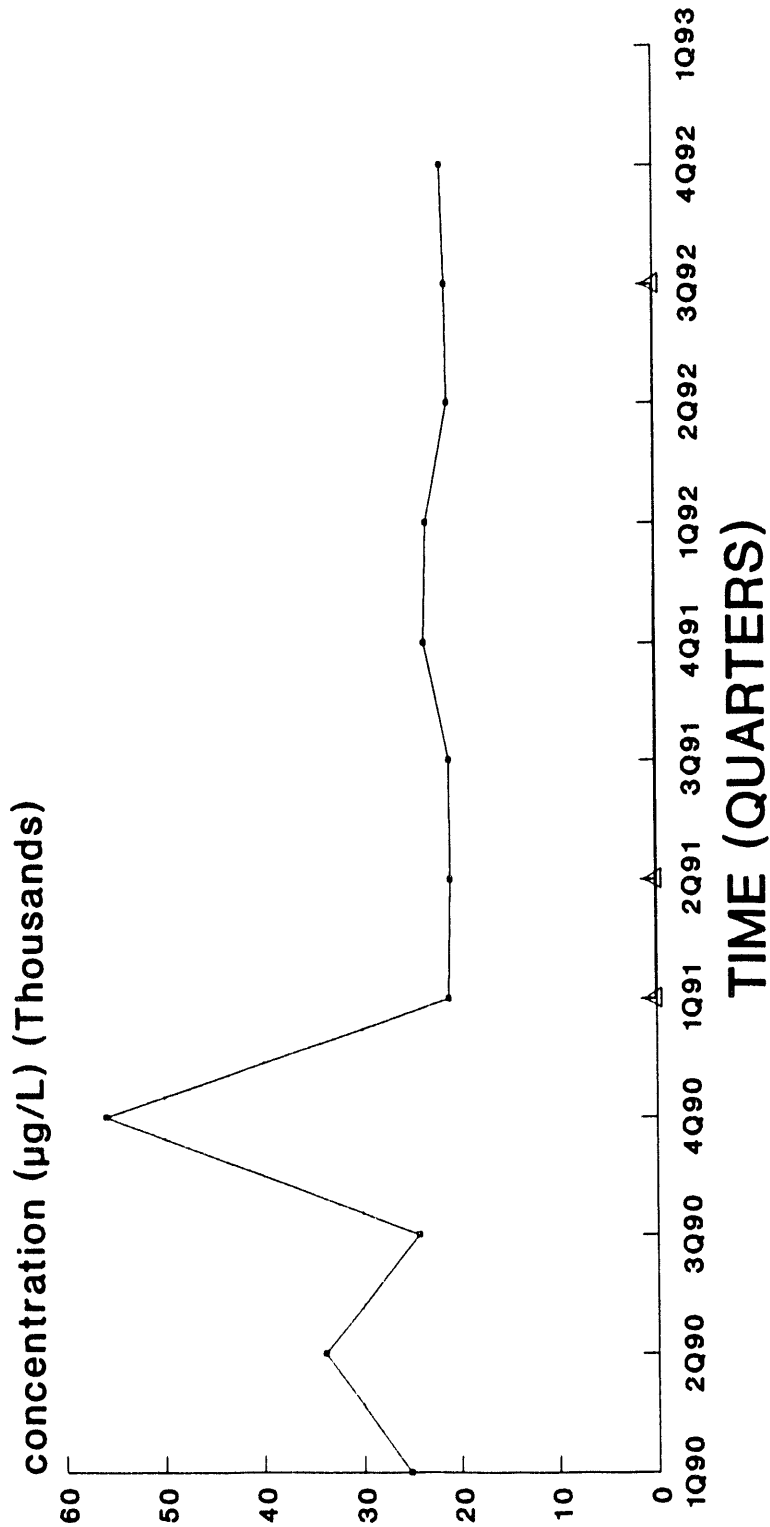
## Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB 69

## Nitrate-Nitrite as Nitrogen

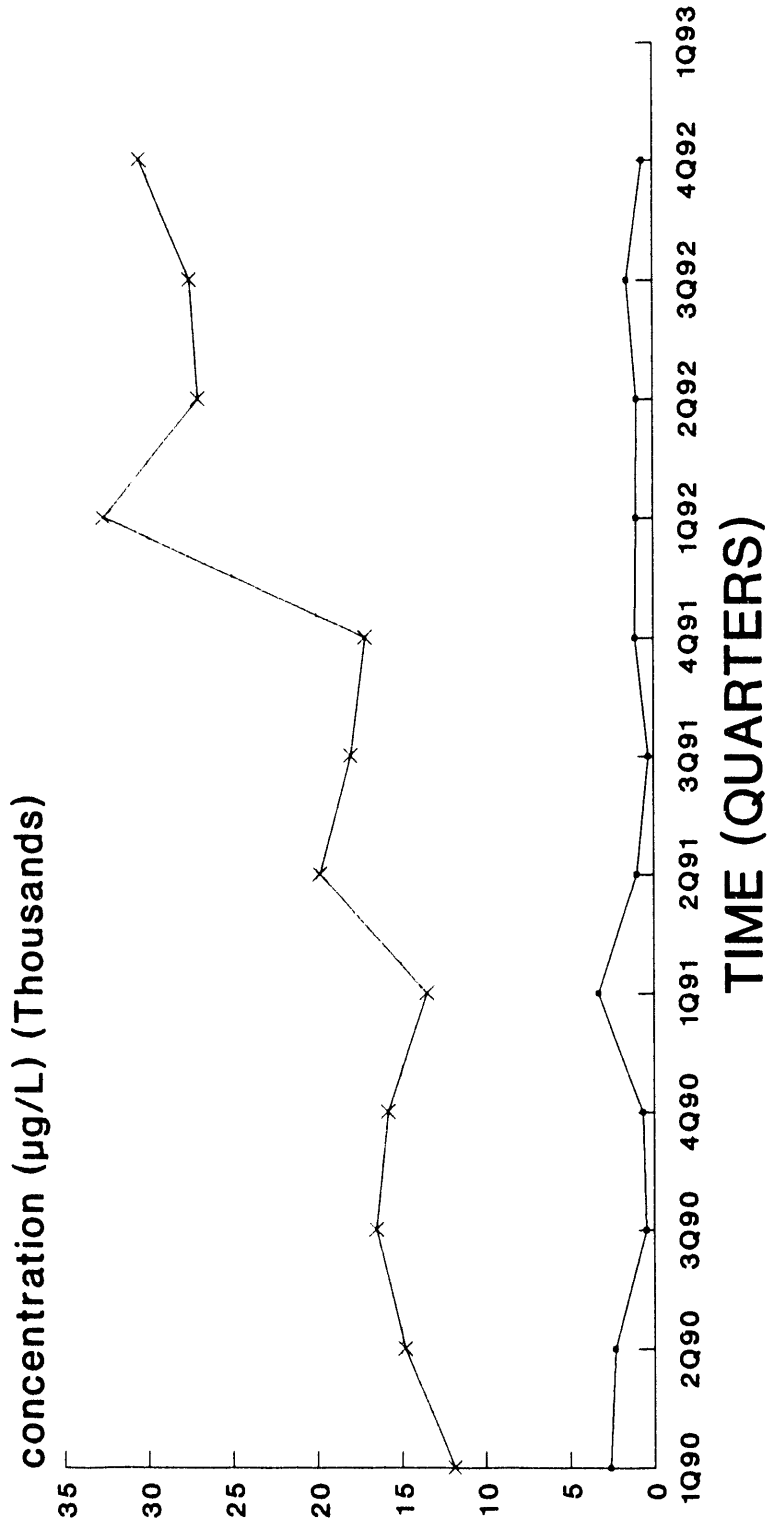


—●— WATER TABLE (IIB2)    —△— M. CONGAREE (IIA)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB 70

## Nitrate-Nitrite as Nitrogen

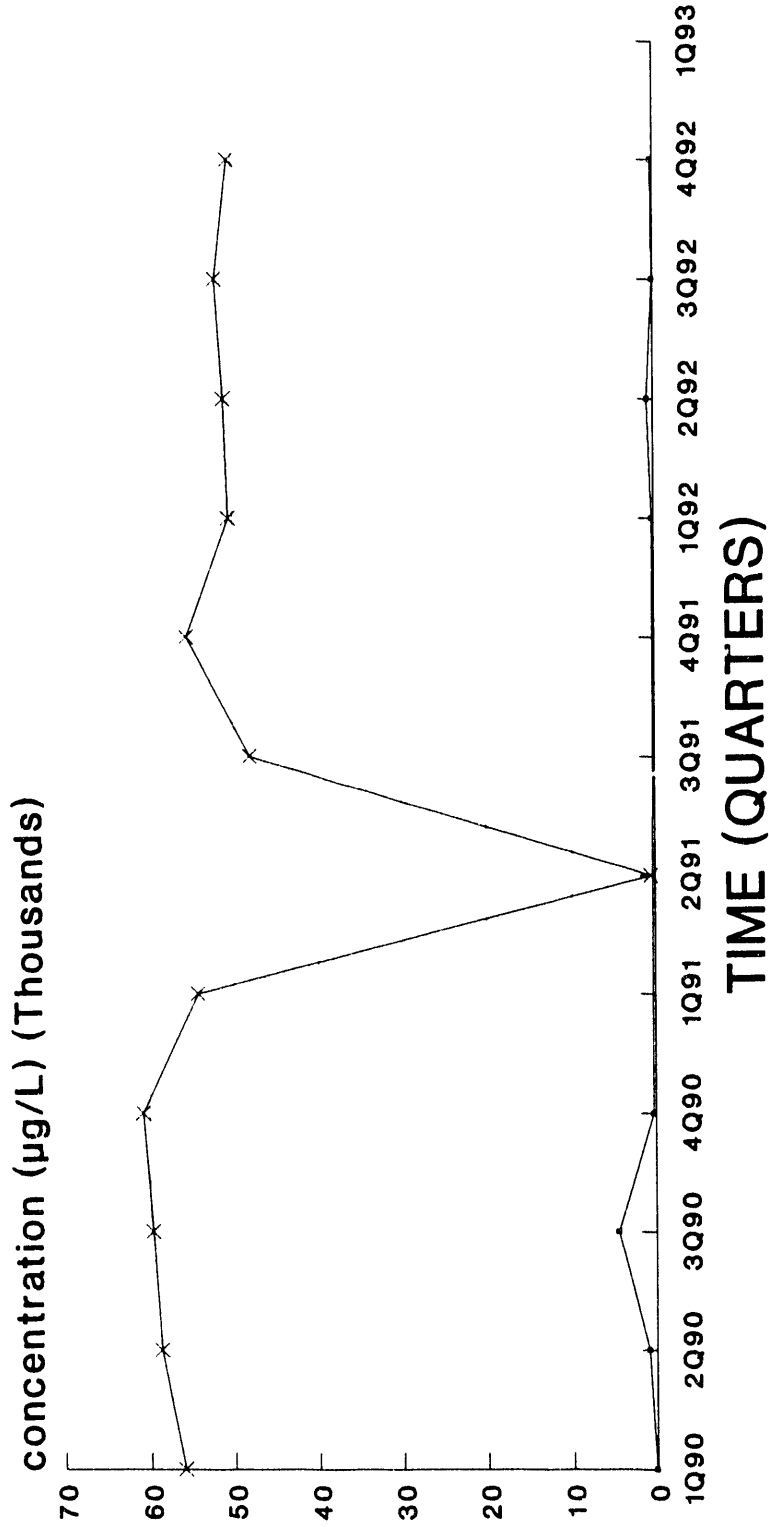


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB 71

## Nitrate-Nitrite as Nitrogen



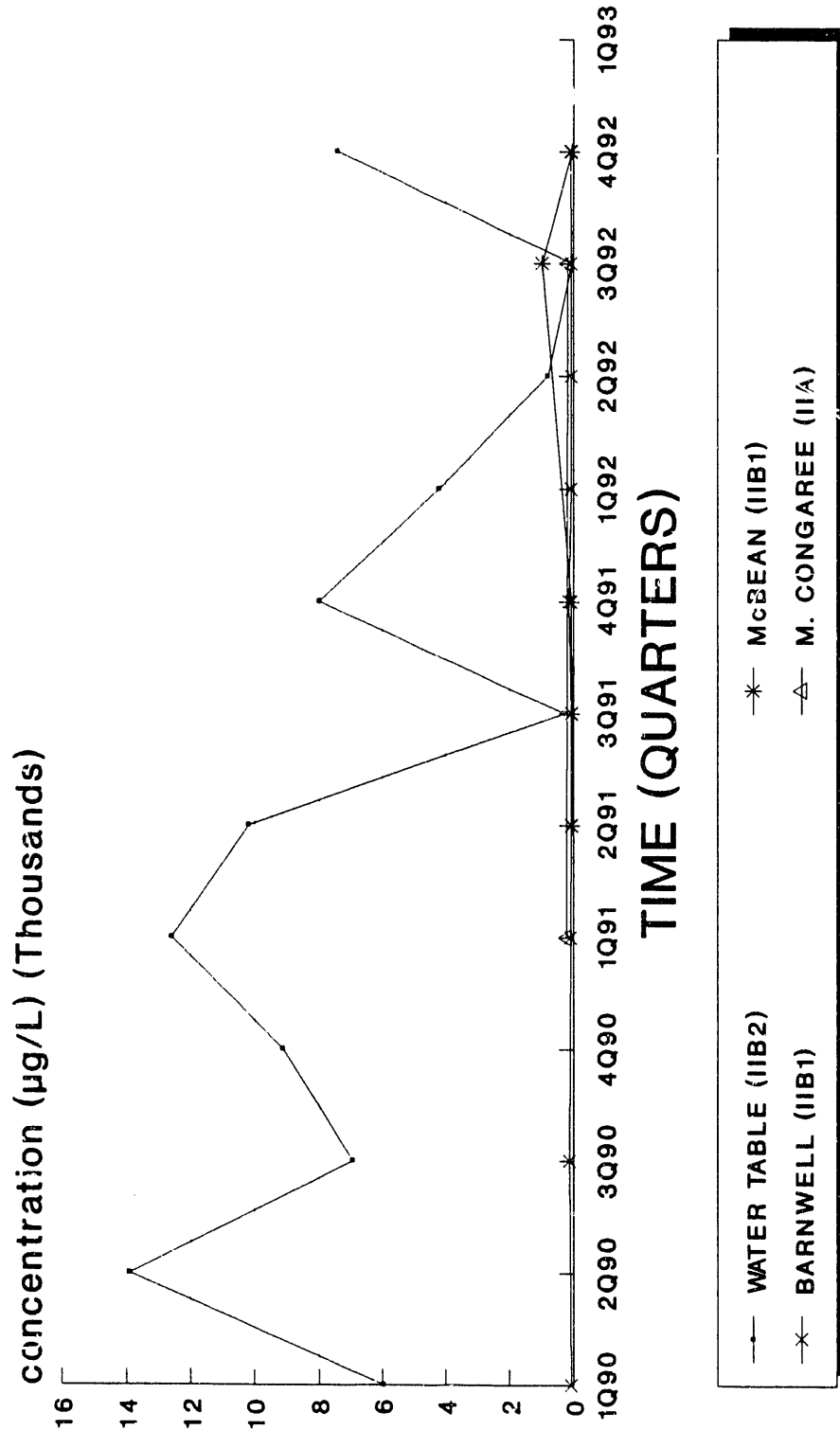
—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well



# CLUSTER - HSB 83

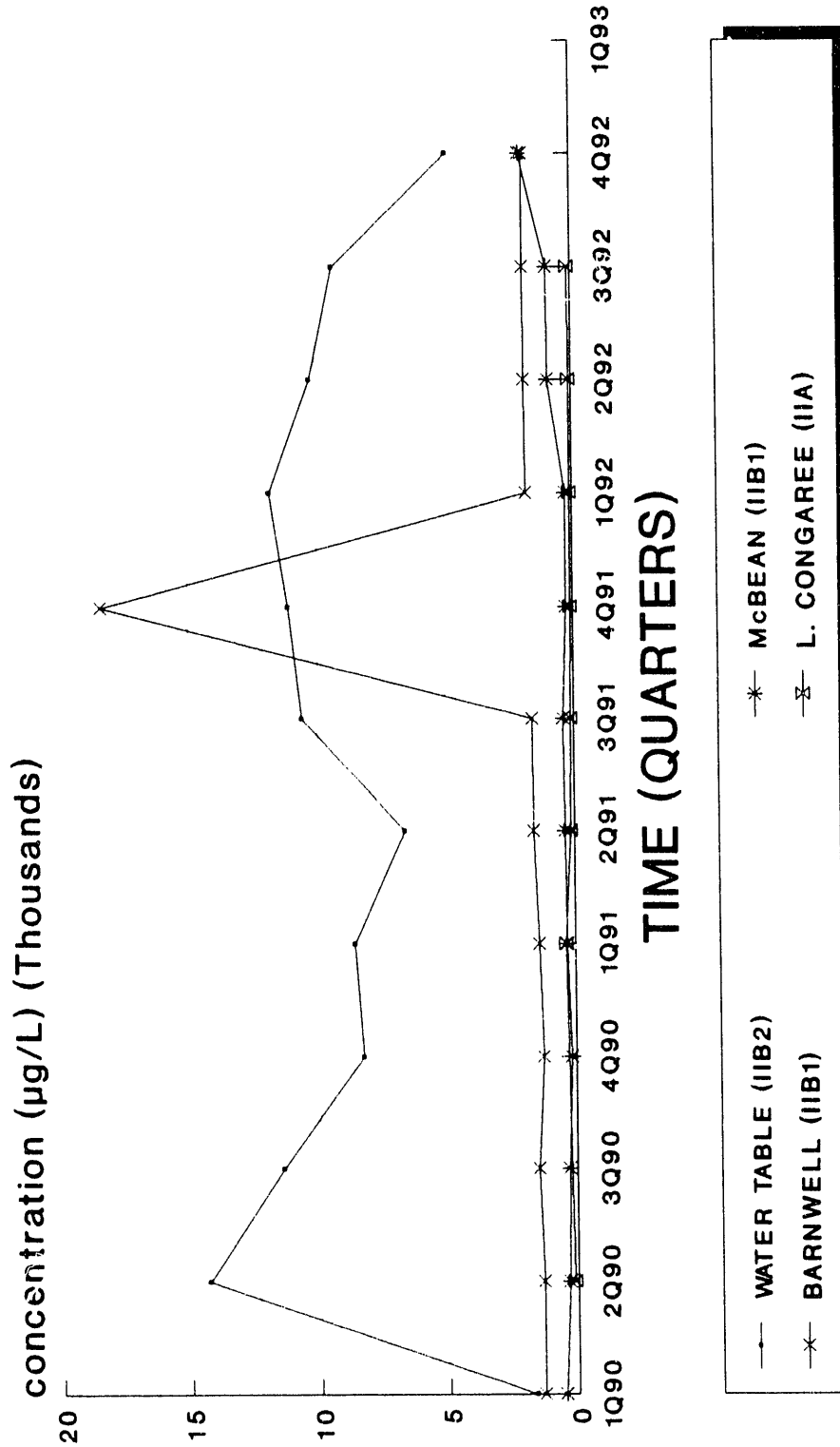
## Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB 84

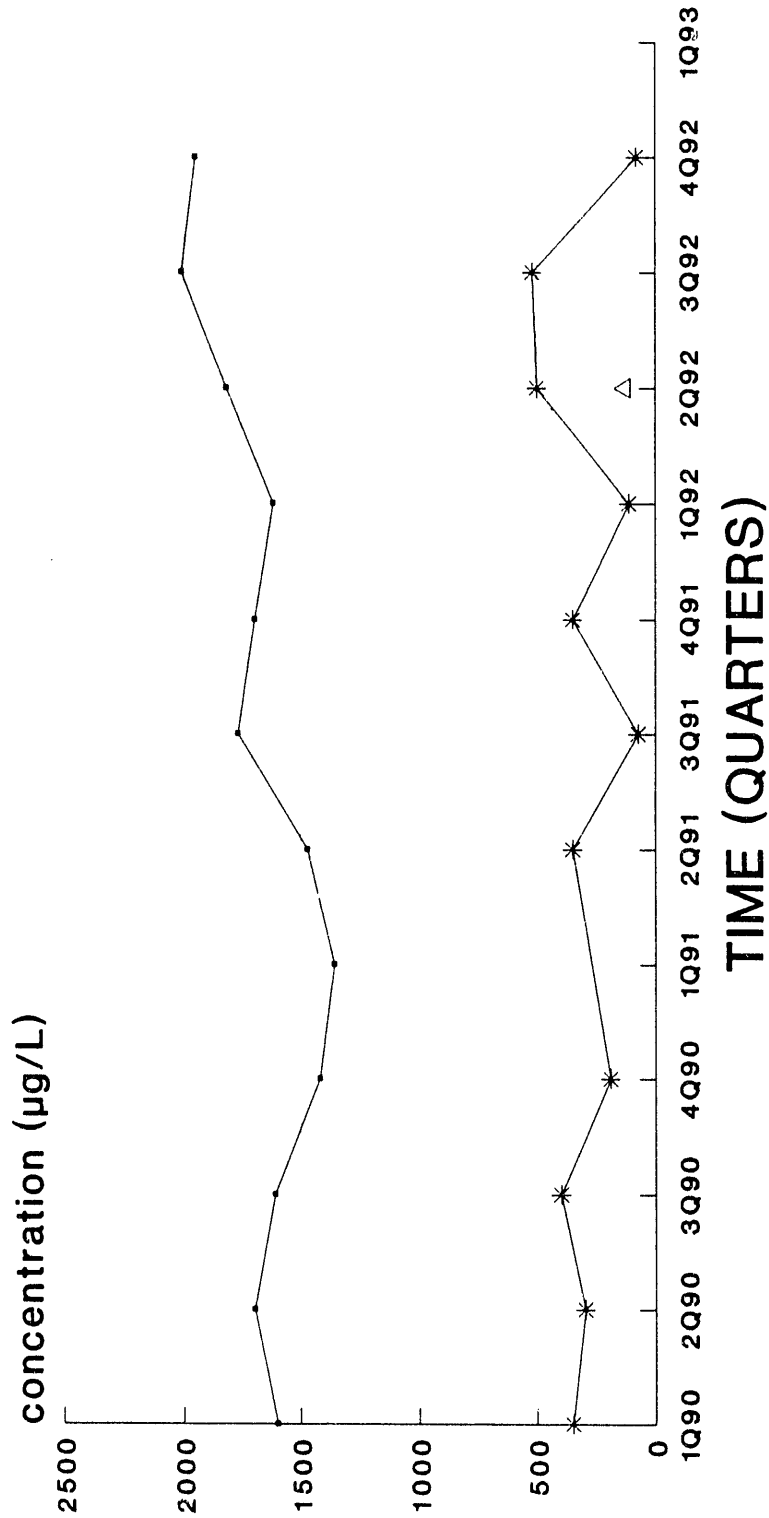
## Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB 85

## Nitrate-Nitrite as Nitrogen

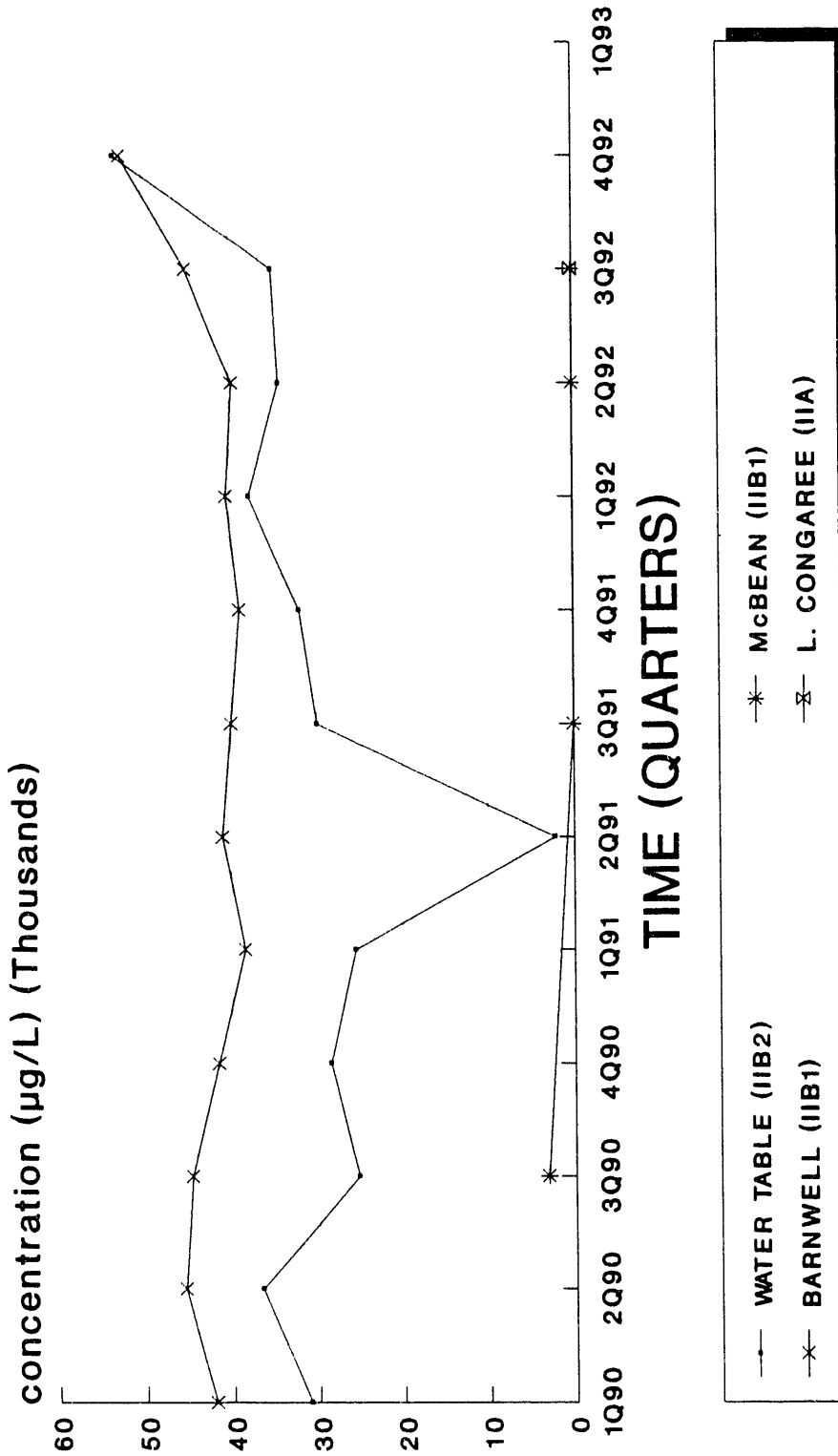


—●— WATER TABLE (IIB2)    —\*— McBEAN (IIB1)    —△— U. CONGAREE (IIA)

PDWS 10,000 µg/L  
 empty space denotes no data or dry well!

# CLUSTER - HSB 86

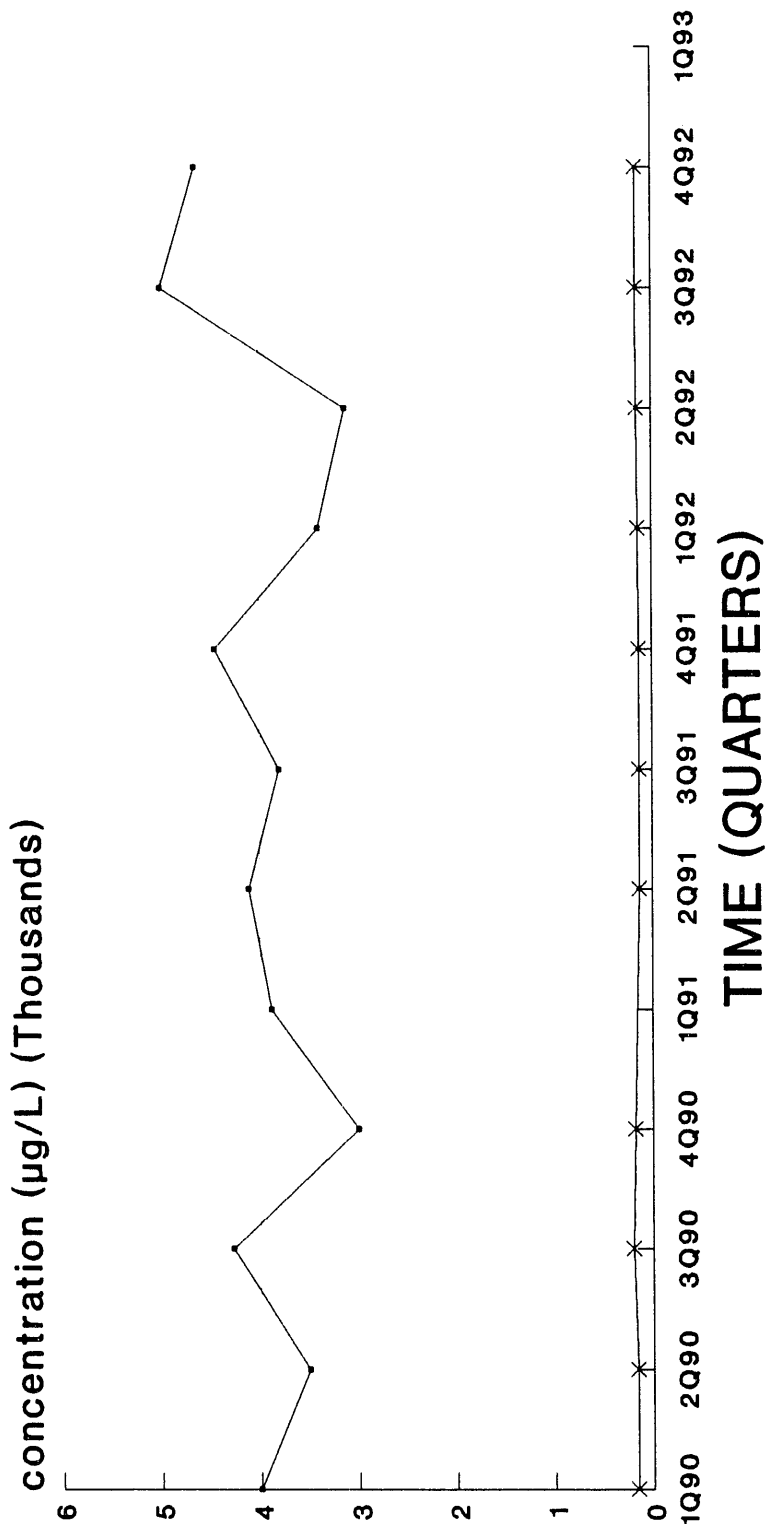
## Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB100

## Nitrate-Nitrite as Nitrogen

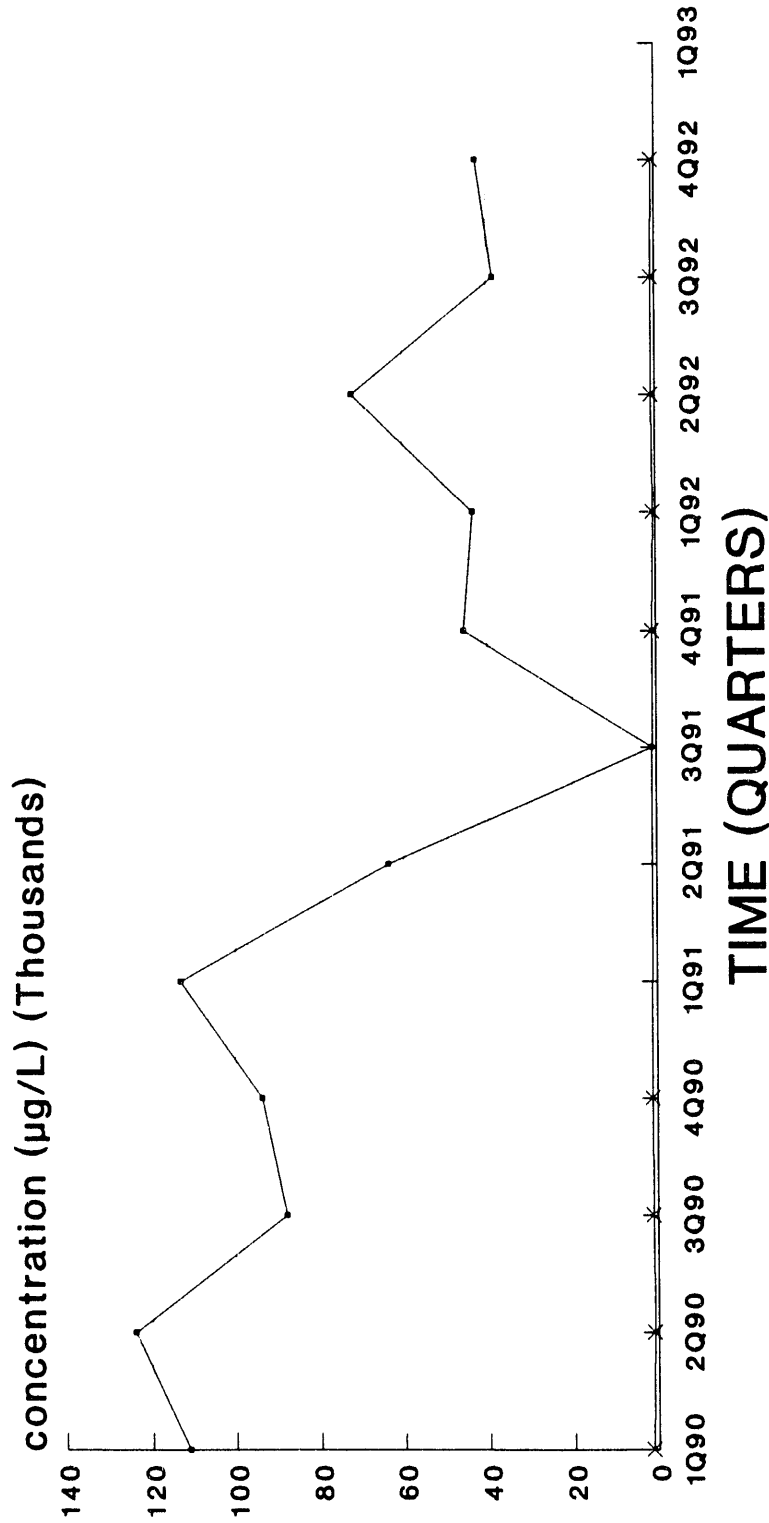


—■— WATER TABLE (IIB2)    \*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB101

## Nitrate-Nitrite as Nitrogen

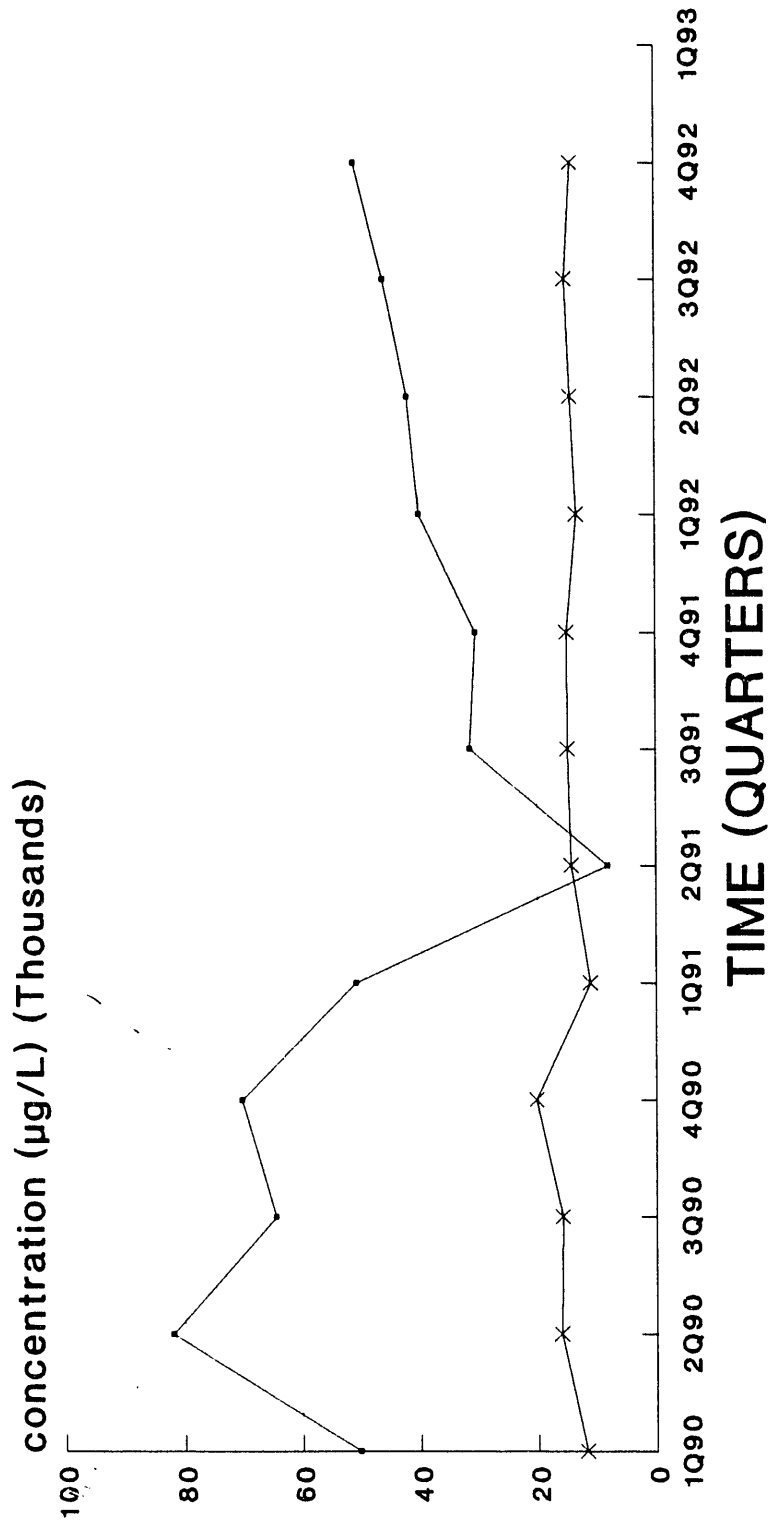


—●— WATER TABLE (IIB2)    \*—\* BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB102

## Nitrate-Nitrite as Nitrogen

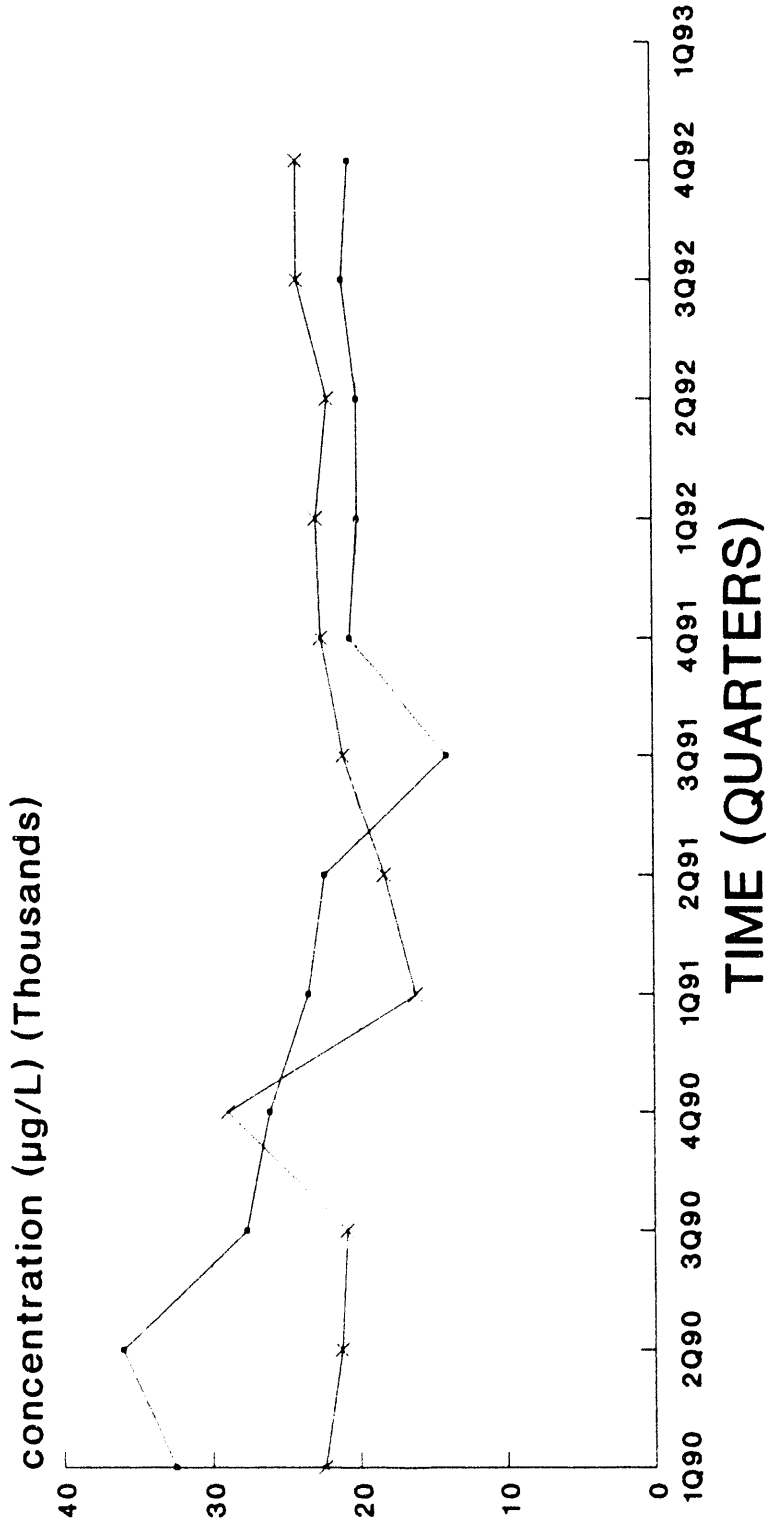


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB103

## Nitrate-Nitrite as Nitrogen

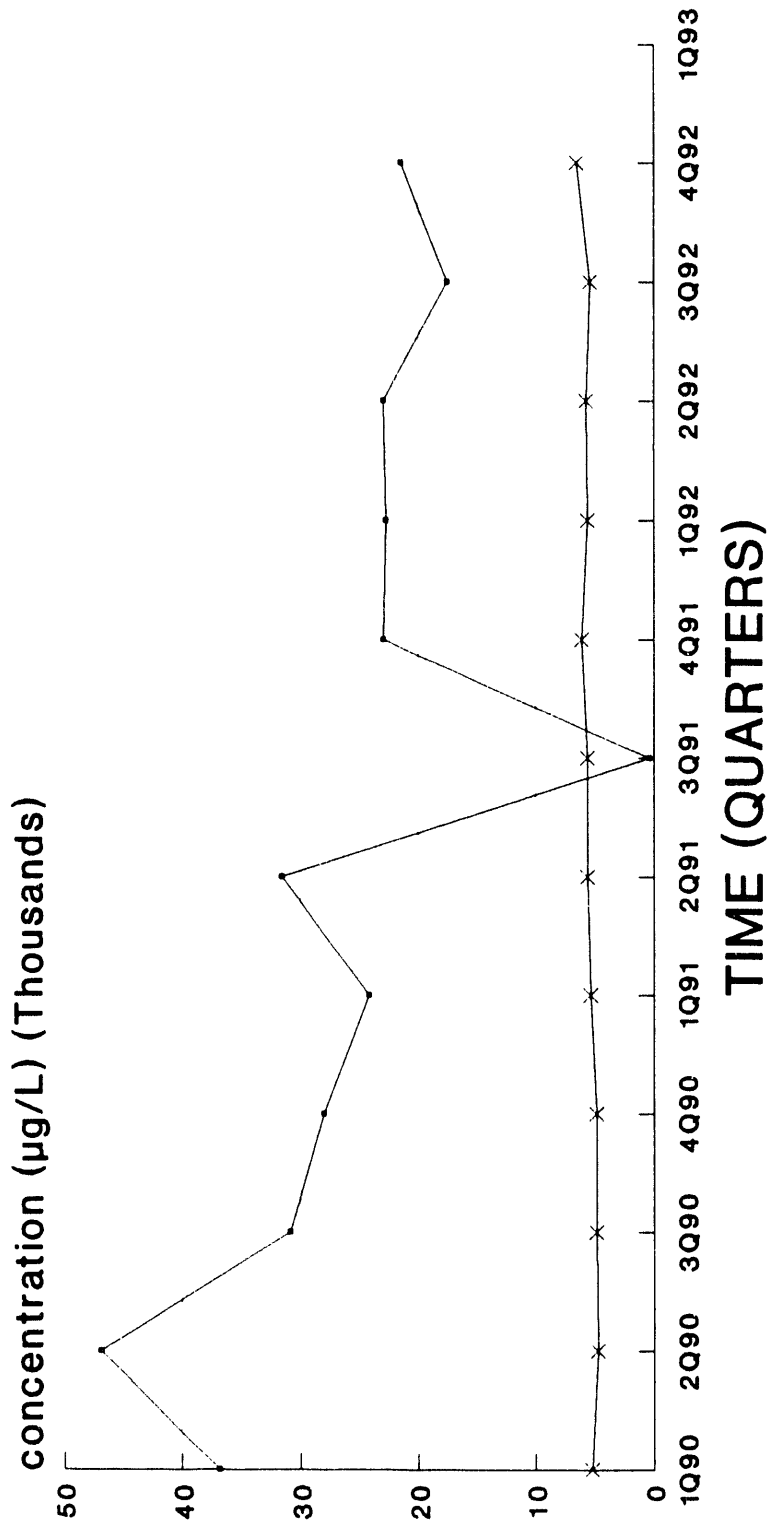


PDWS 10,000 µg/L  
empty space denotes no data or dry well



# CLUSTER - HSB104

## Nitrate-Nitrite as Nitrogen

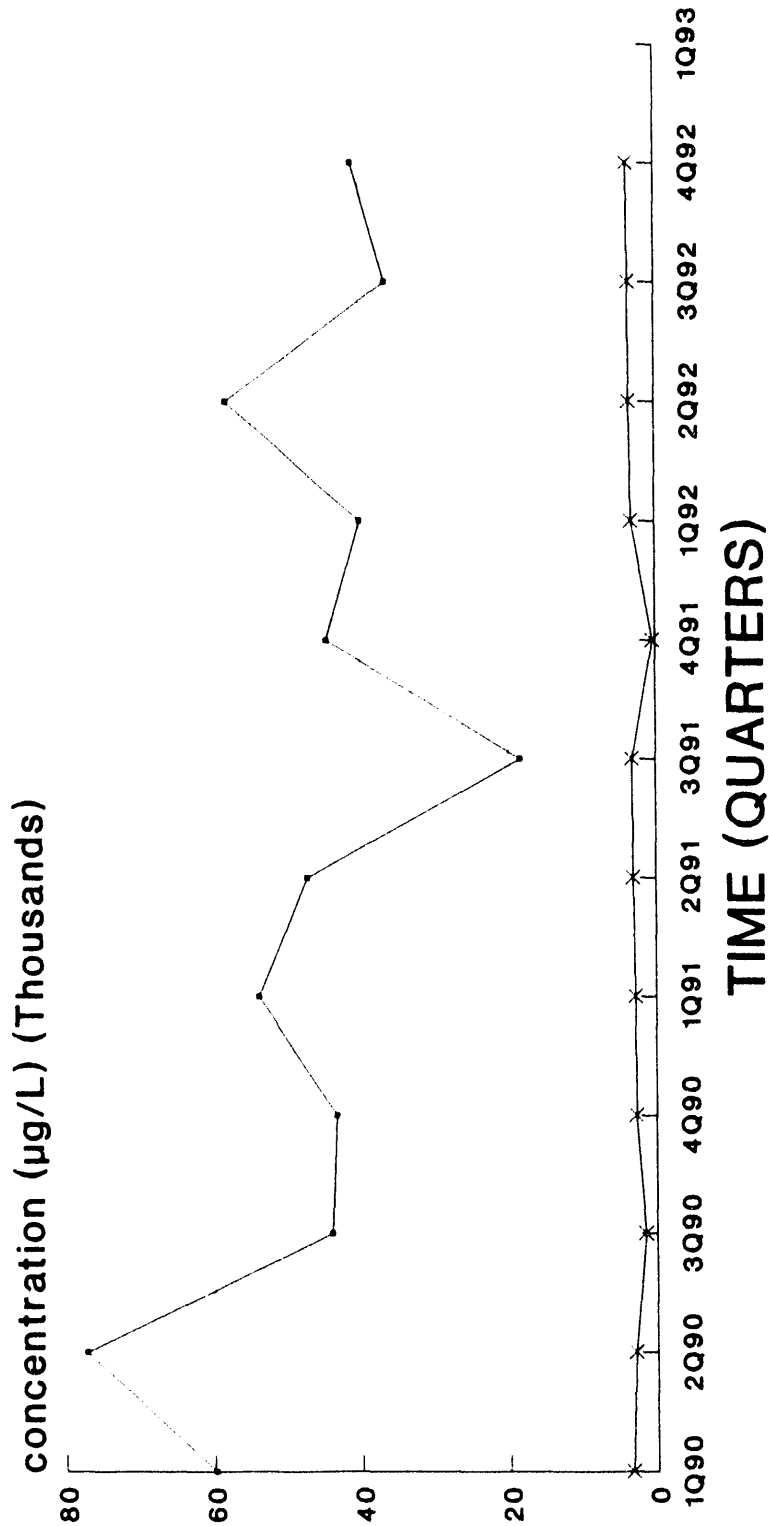


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB105

## Nitrate-Nitrite as Nitrogen

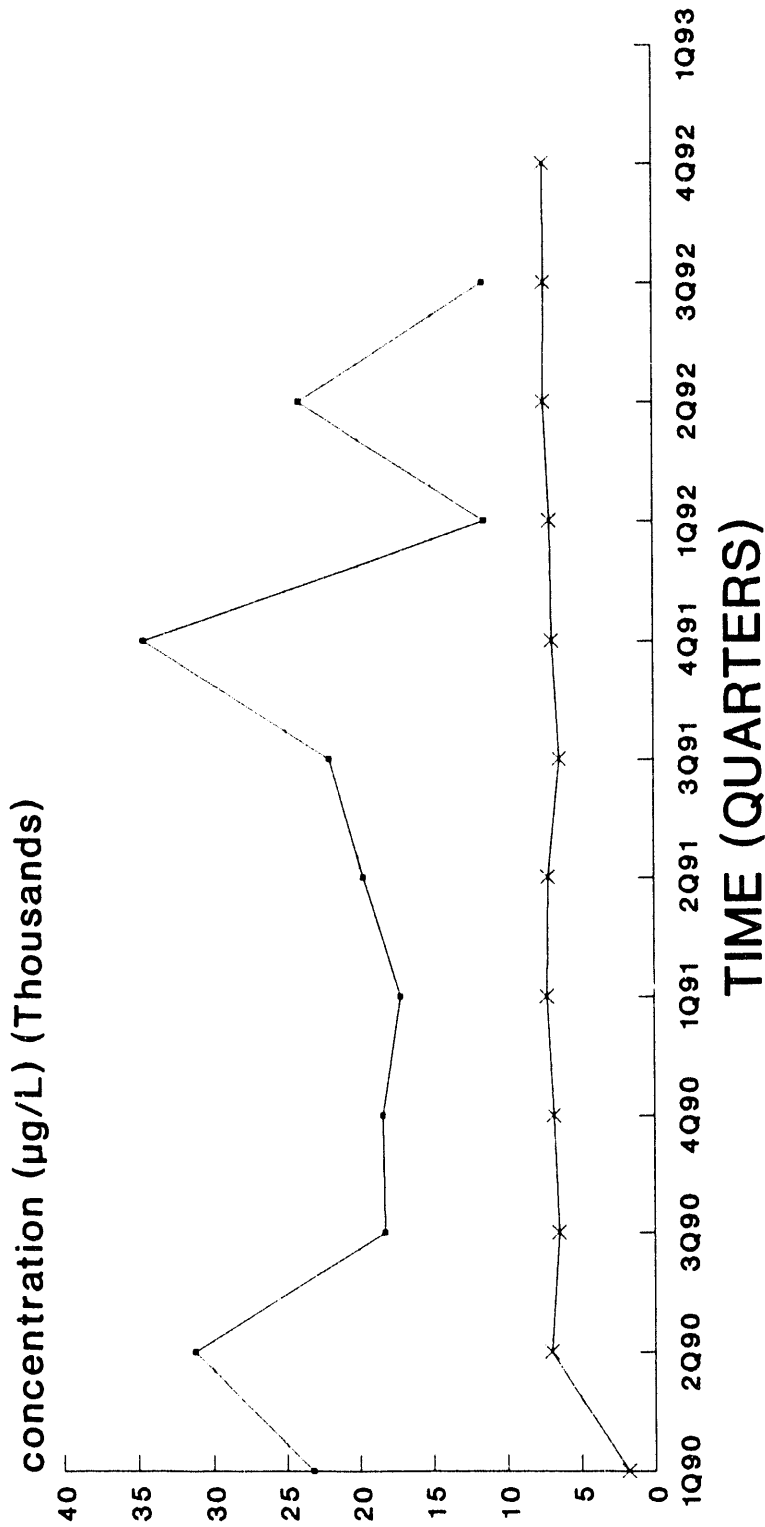


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB106

## Nitrate-Nitrite as Nitrogen

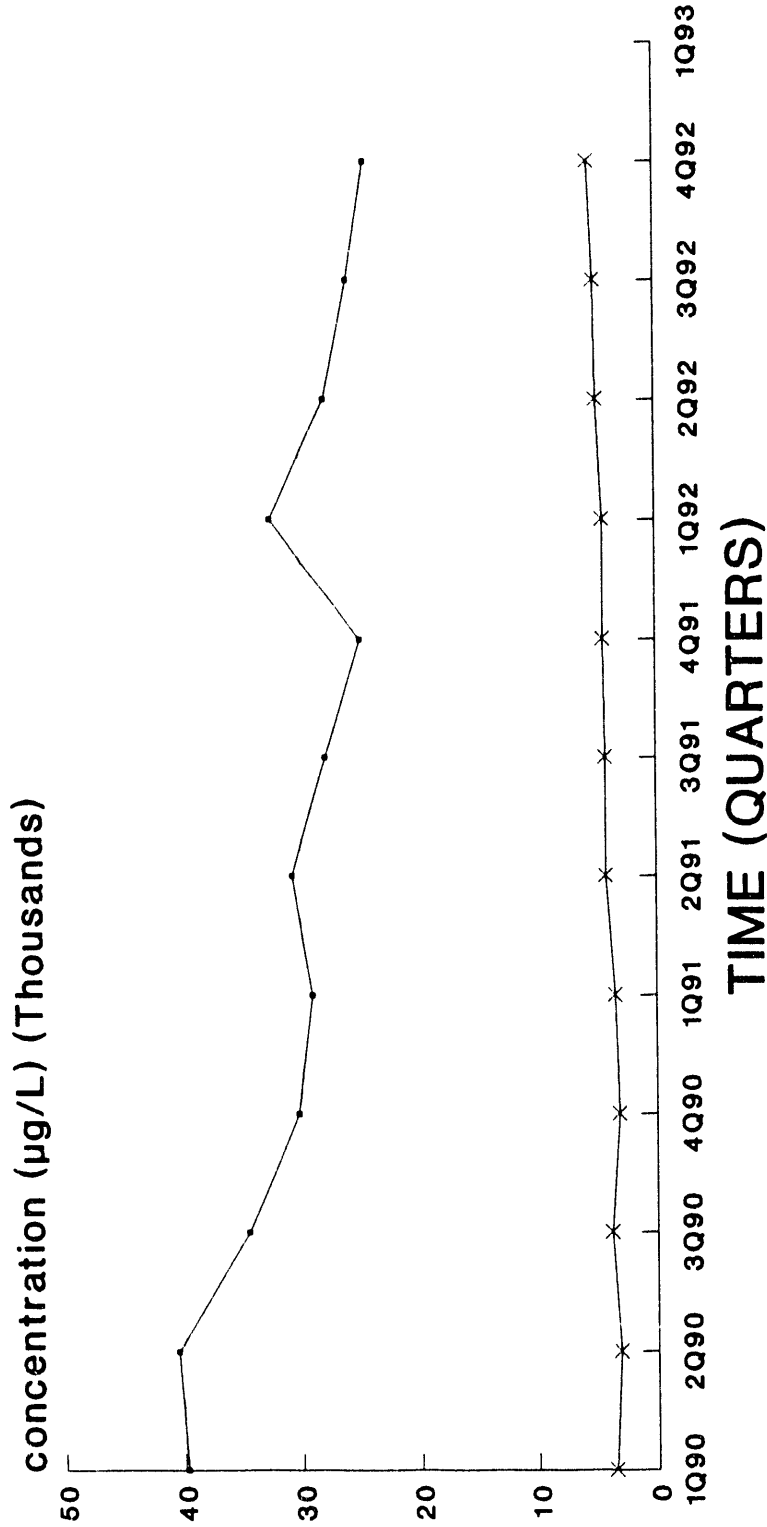


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB107

## Nitrate-Nitrite as Nitrogen

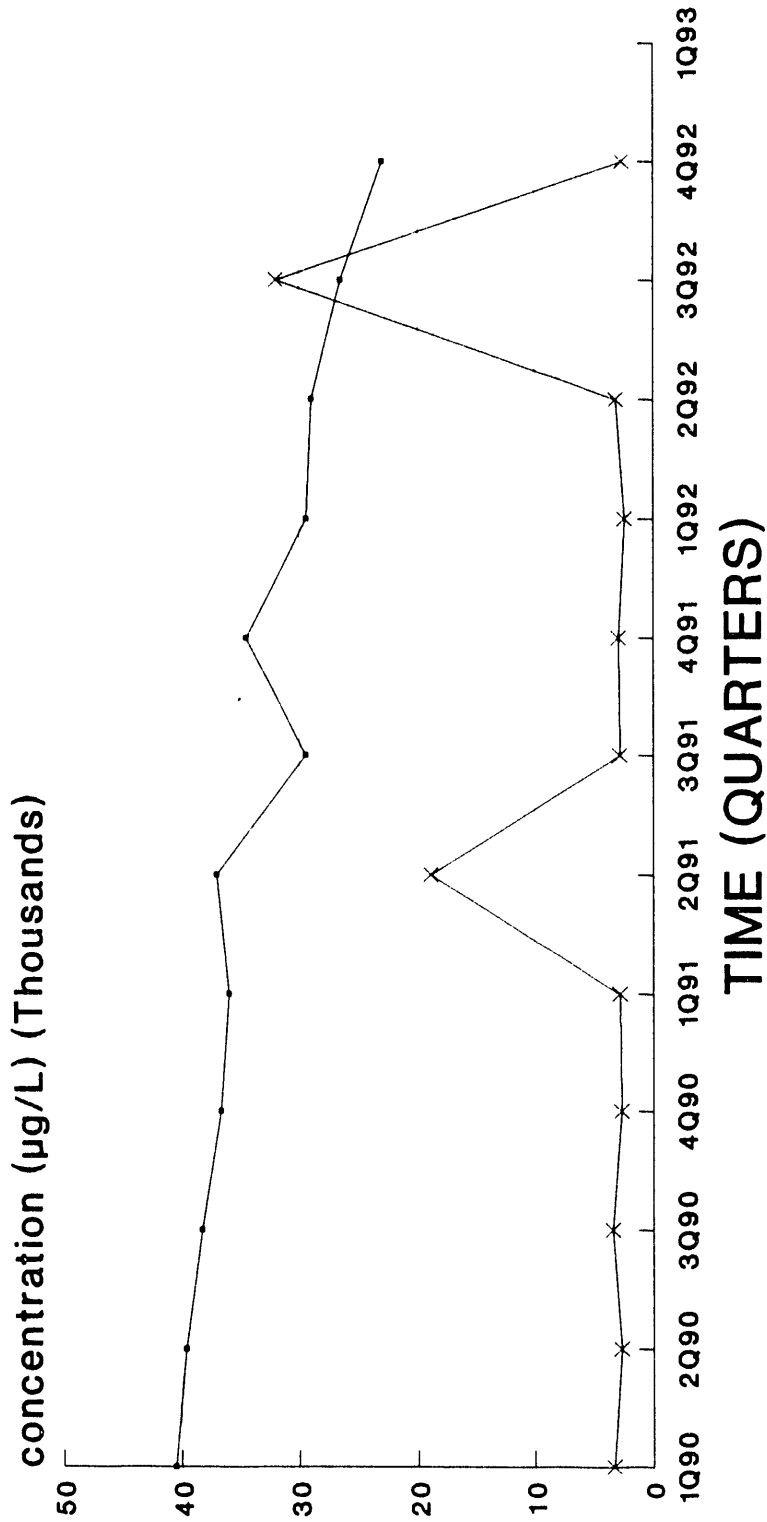


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB108

## Nitrate-Nitrite as Nitrogen

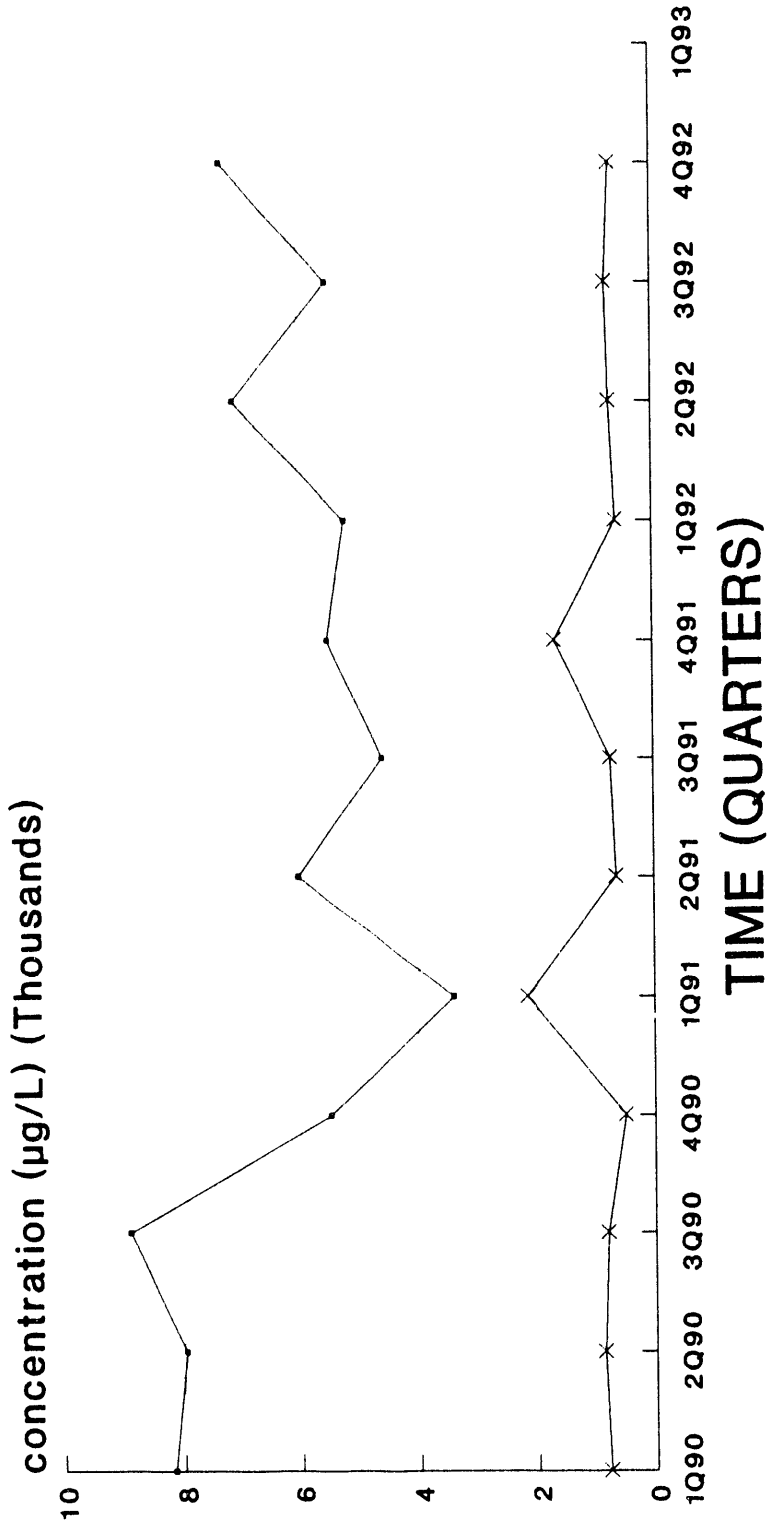


—●— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB109

## Nitrate-Nitrite as Nitrogen

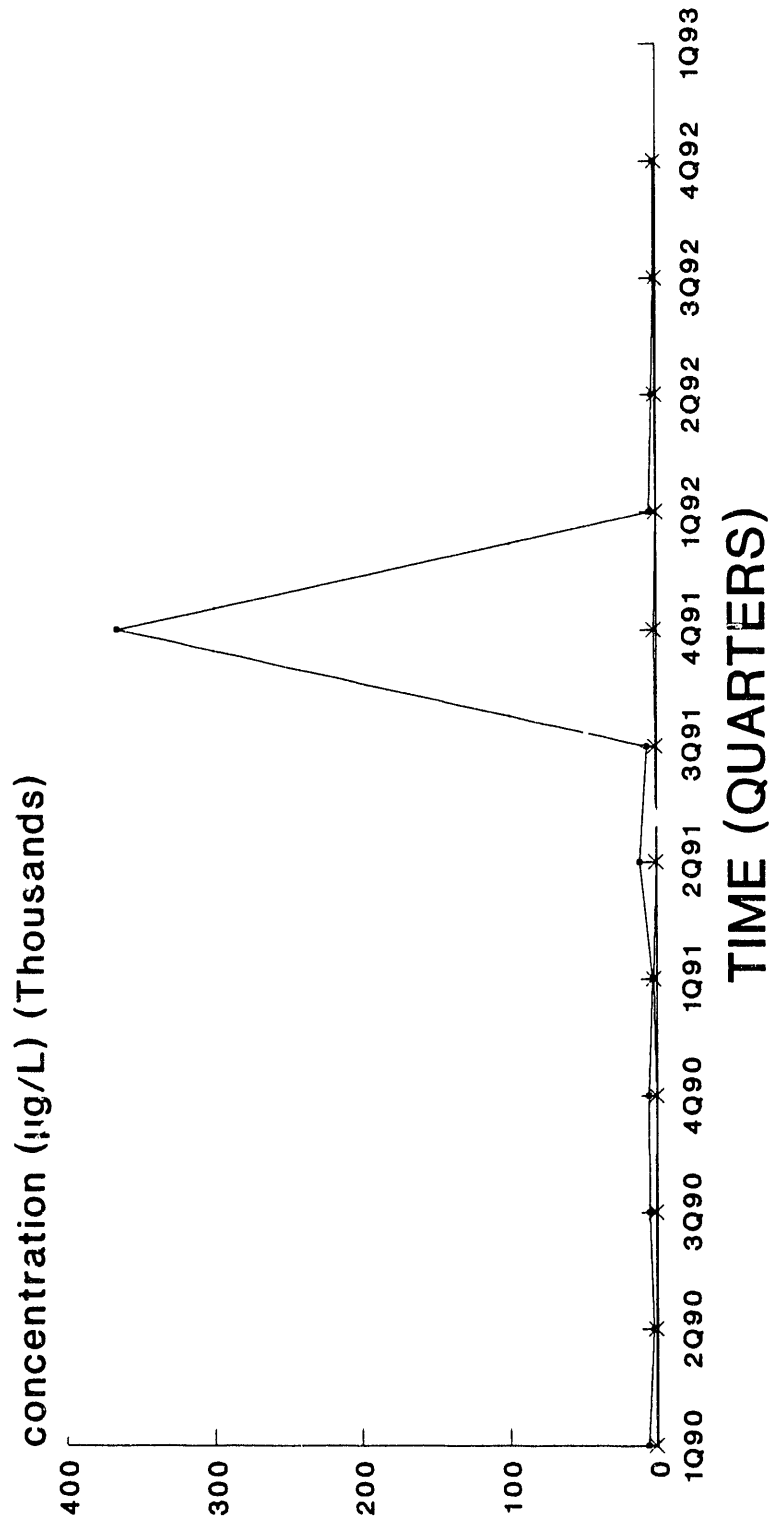


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB110

## Nitrate-Nitrite as Nitrogen

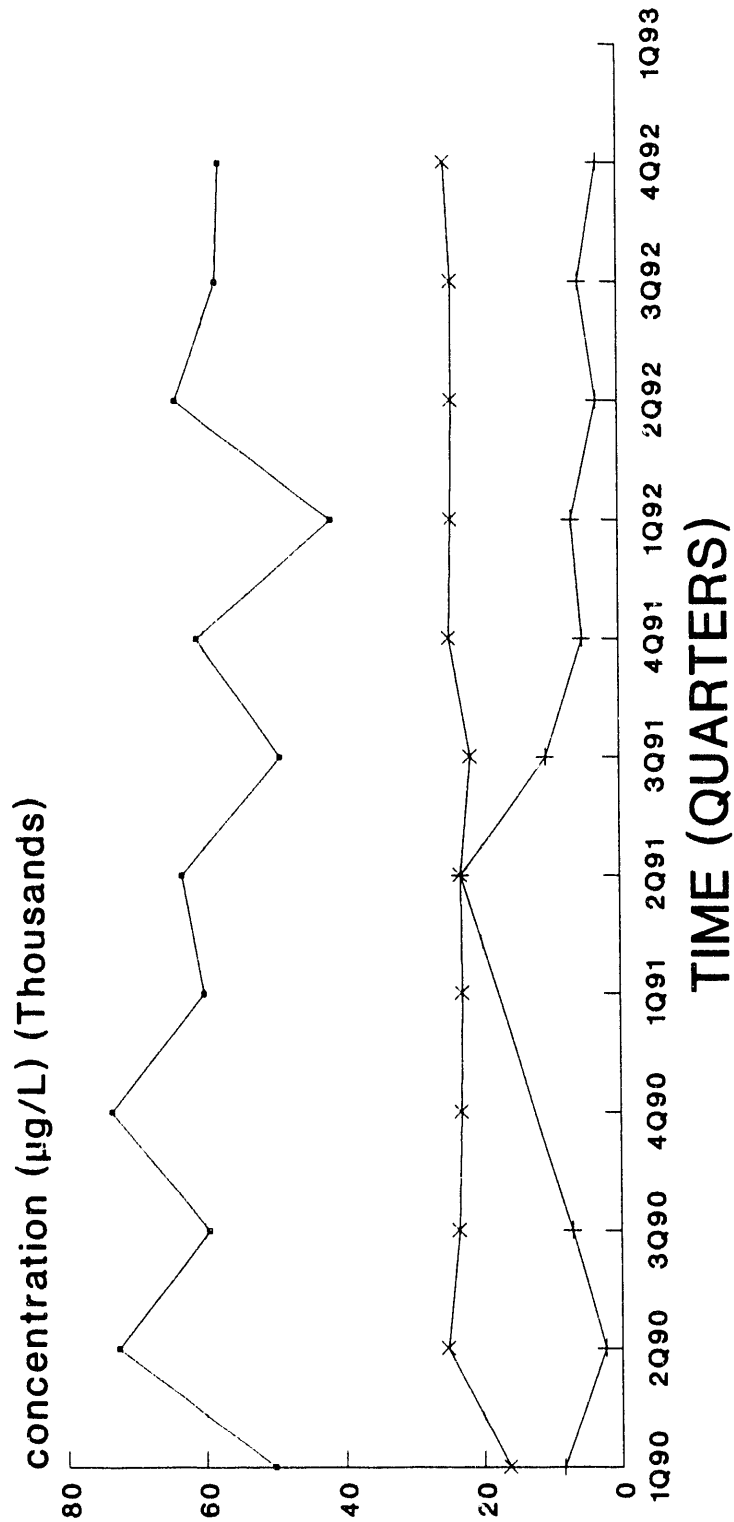


— WATER TABLE (IIB2)    \* BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB111

## Nitrate-Nitrite as Nitrogen



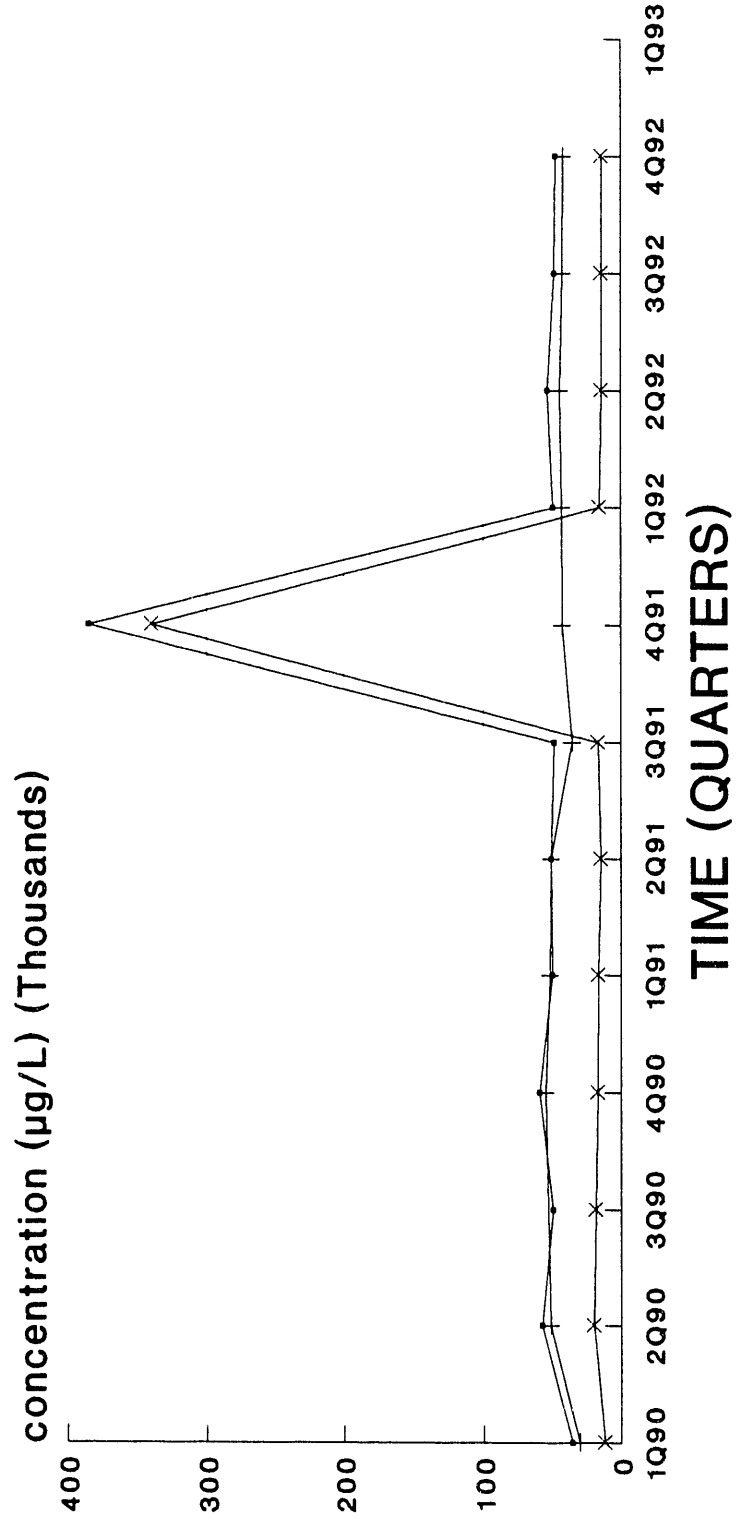
—•— WATER TABLE (IIB2)    —+— WATER TBL (IIB2) (R)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
 empty space denotes no data or dry well;  
 (R) denotes a replacement well



# CLUSTER - HSB112

## Nitrate-Nitrite as Nitrogen

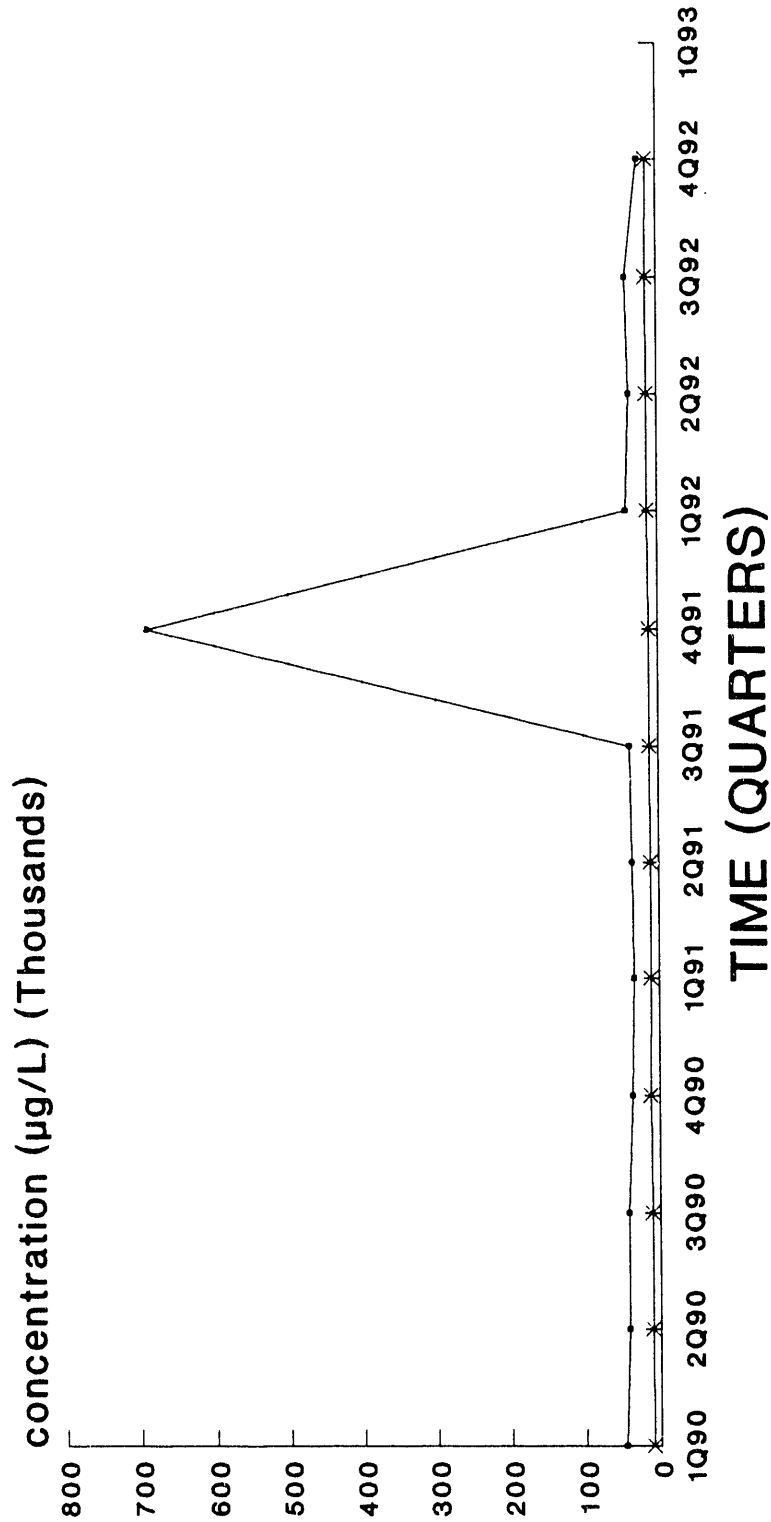


WATER TABLE (IIB2)  
  WATER TABLE (IIB2)  
  BARNWELL (IIB1)

PDWS 10,000 µg/L  
 empty space denotes no data or dry well;  
 1st water table: HSB112D; 2nd HSB112E

# CLUSTER - HSB113

## Nitrate-Nitrite as Nitrogen

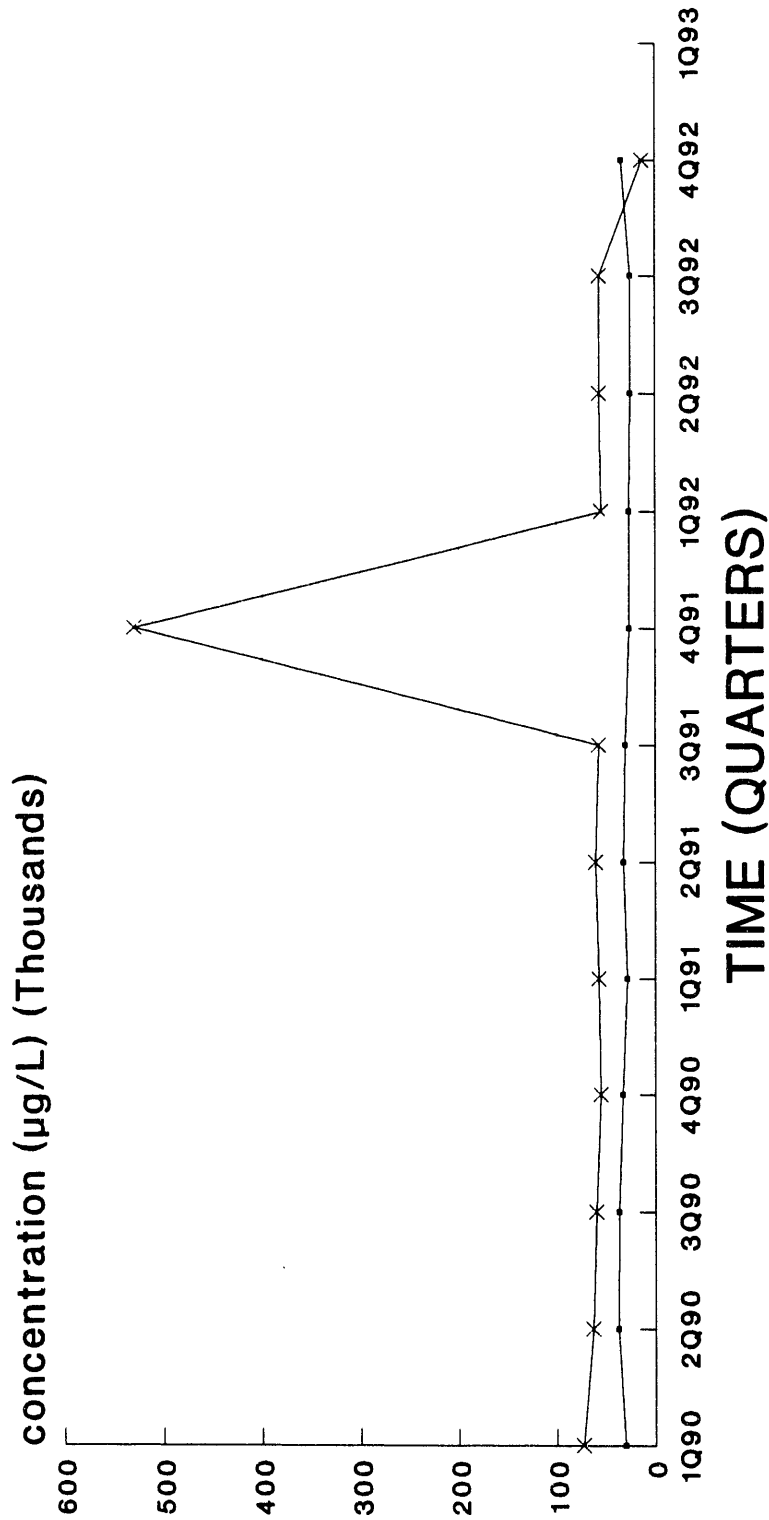


—●— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB114

## Nitrate-Nitrite as Nitrogen

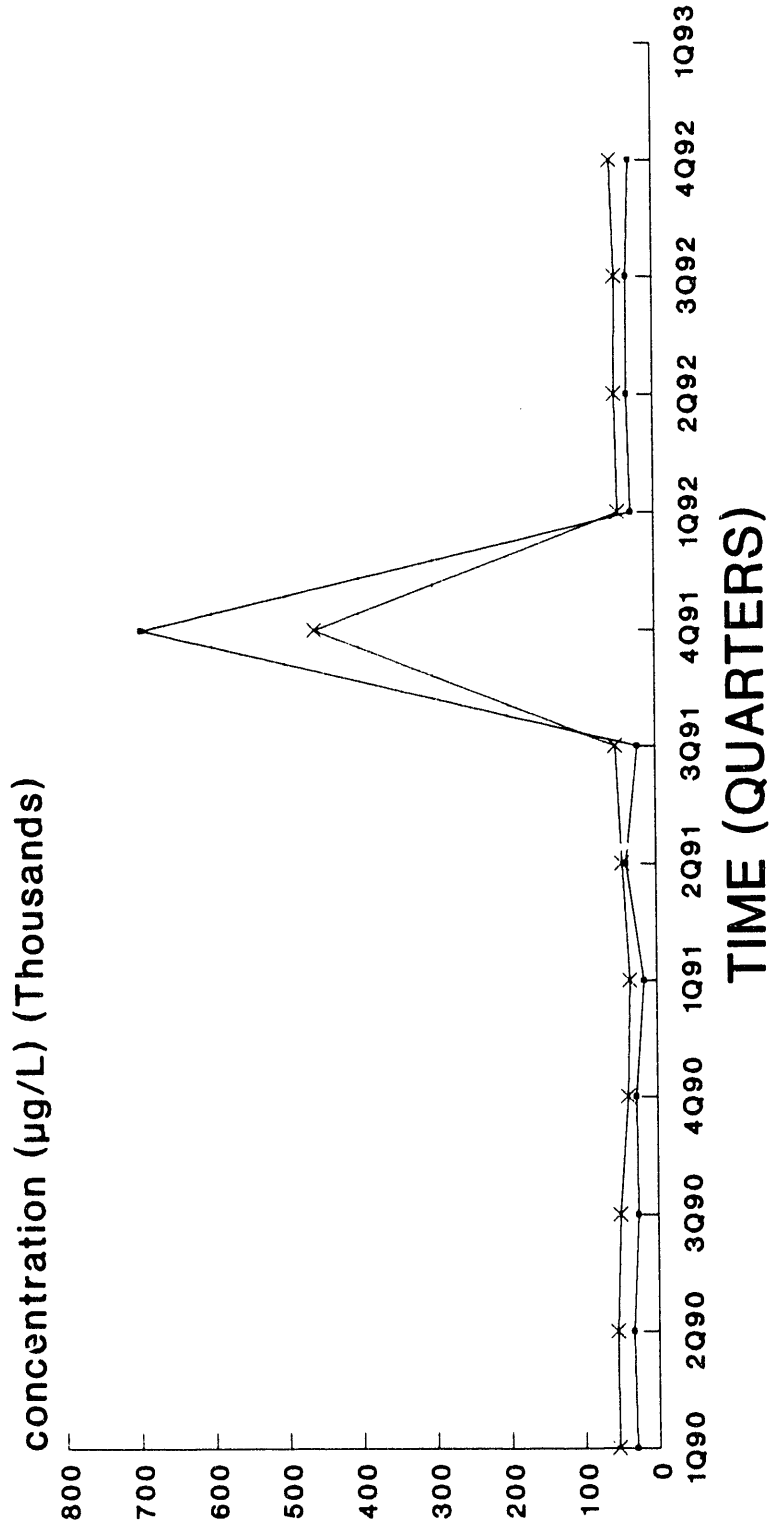


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB115

## Nitrate-Nitrite as Nitrogen

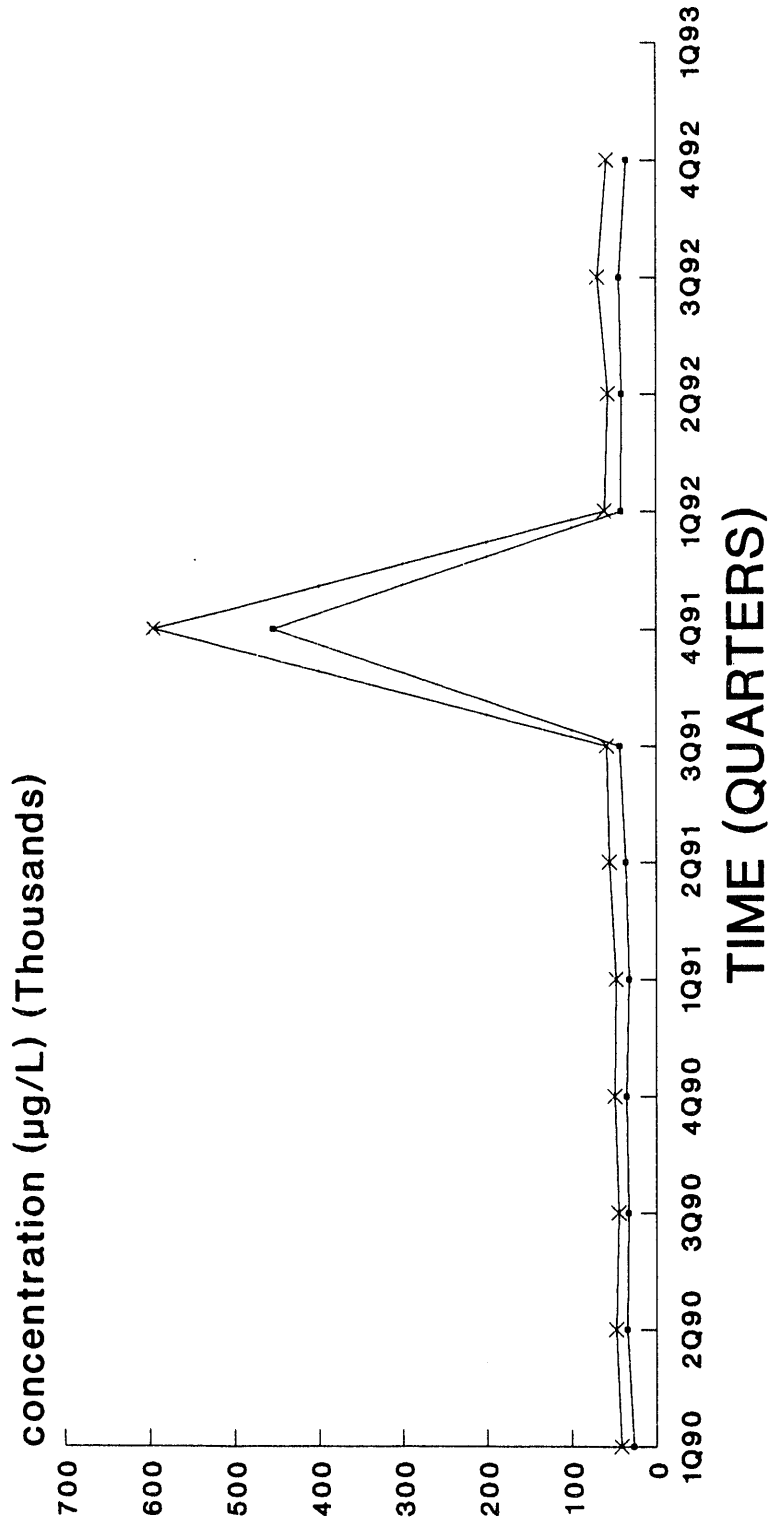


—●— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB116

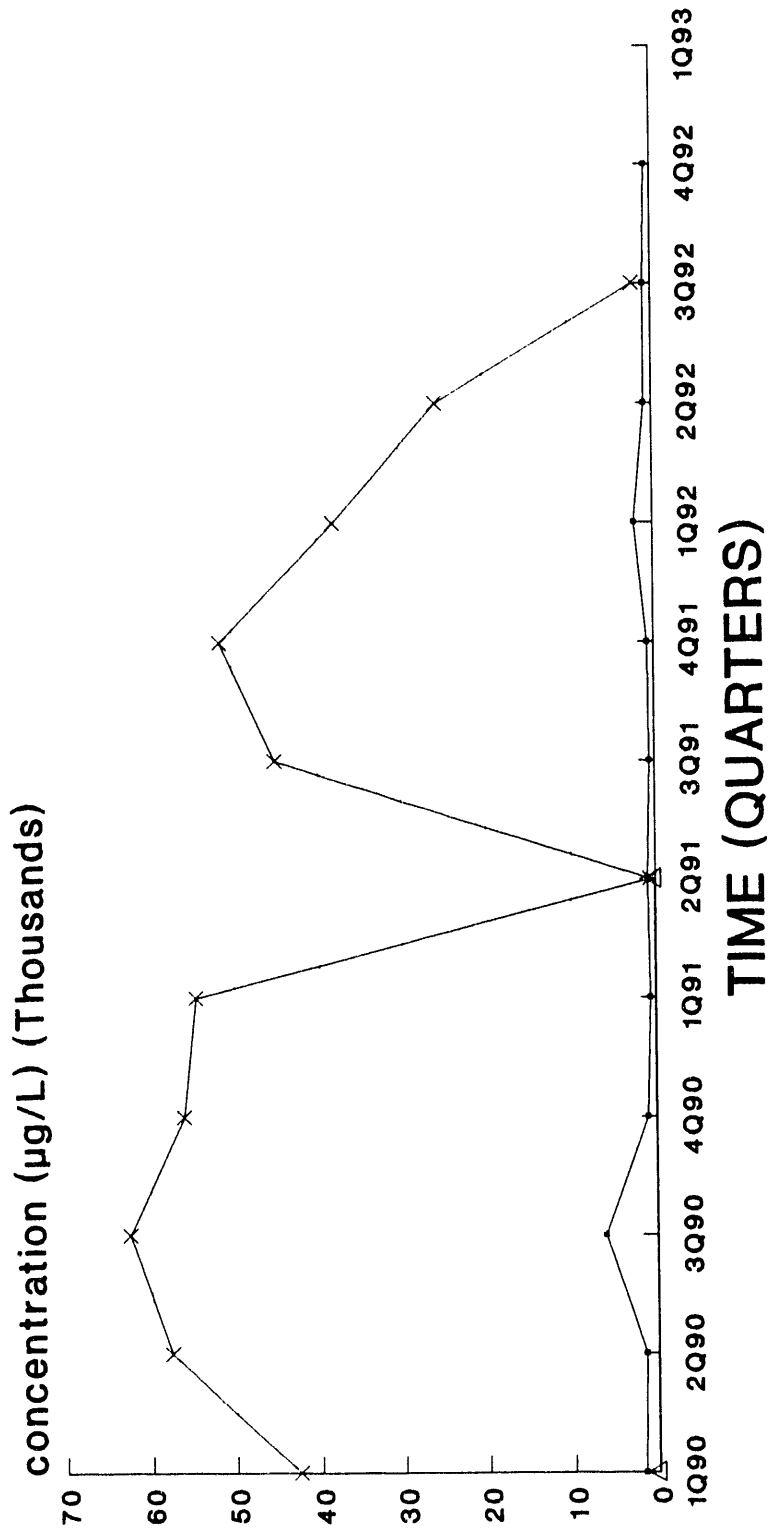
## Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB117

## Nitrate-Nitrite as Nitrogen

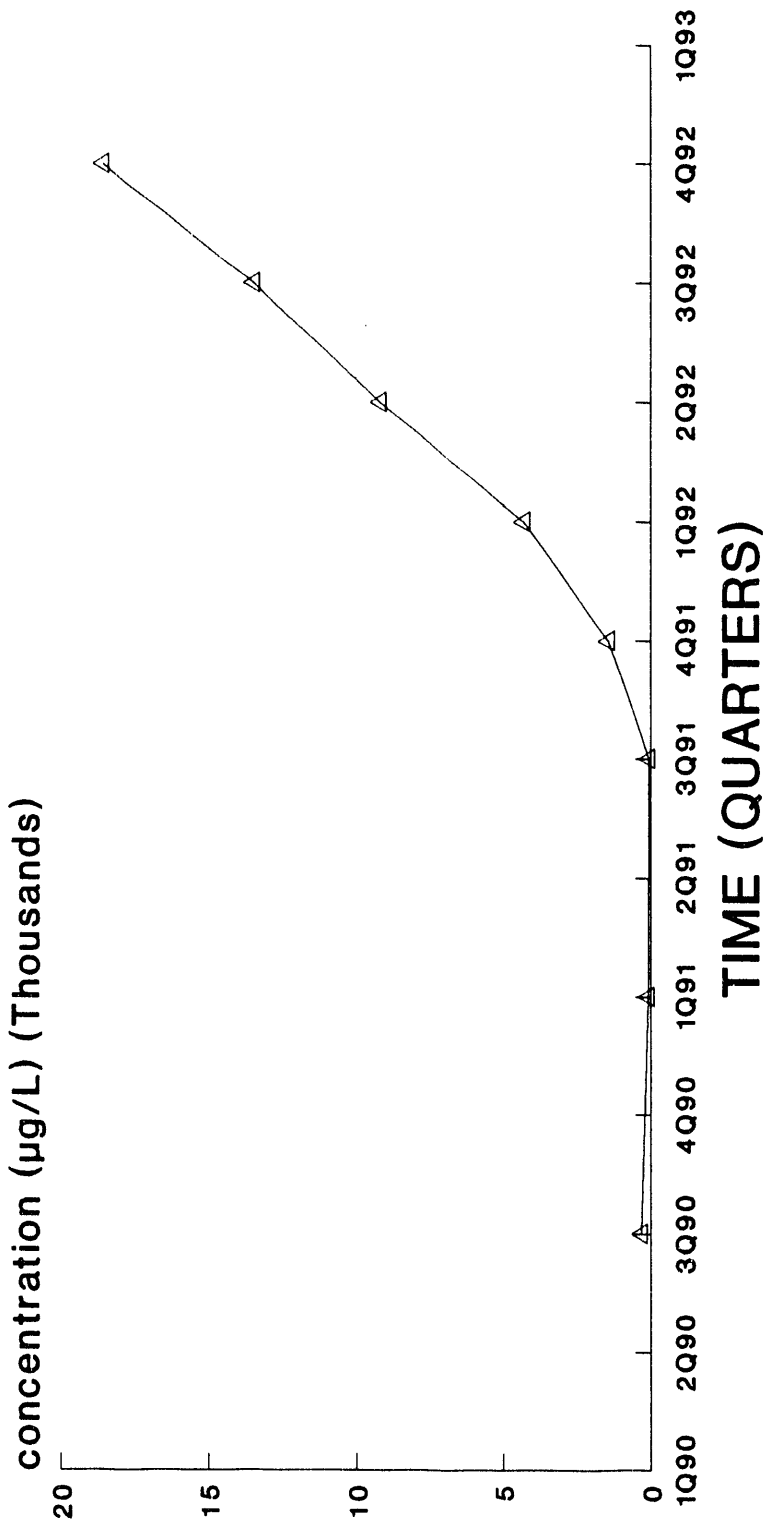


--- WATER TABLE (IIB2)    \*--- BARNWELL (IIB1)    △--- M. CONGAREE (IIA)

PDWS 10,000 µg/L  
 empty space denotes no data or dry well

# HSB118A

## Nitrate-Nitrite as Nitrogen

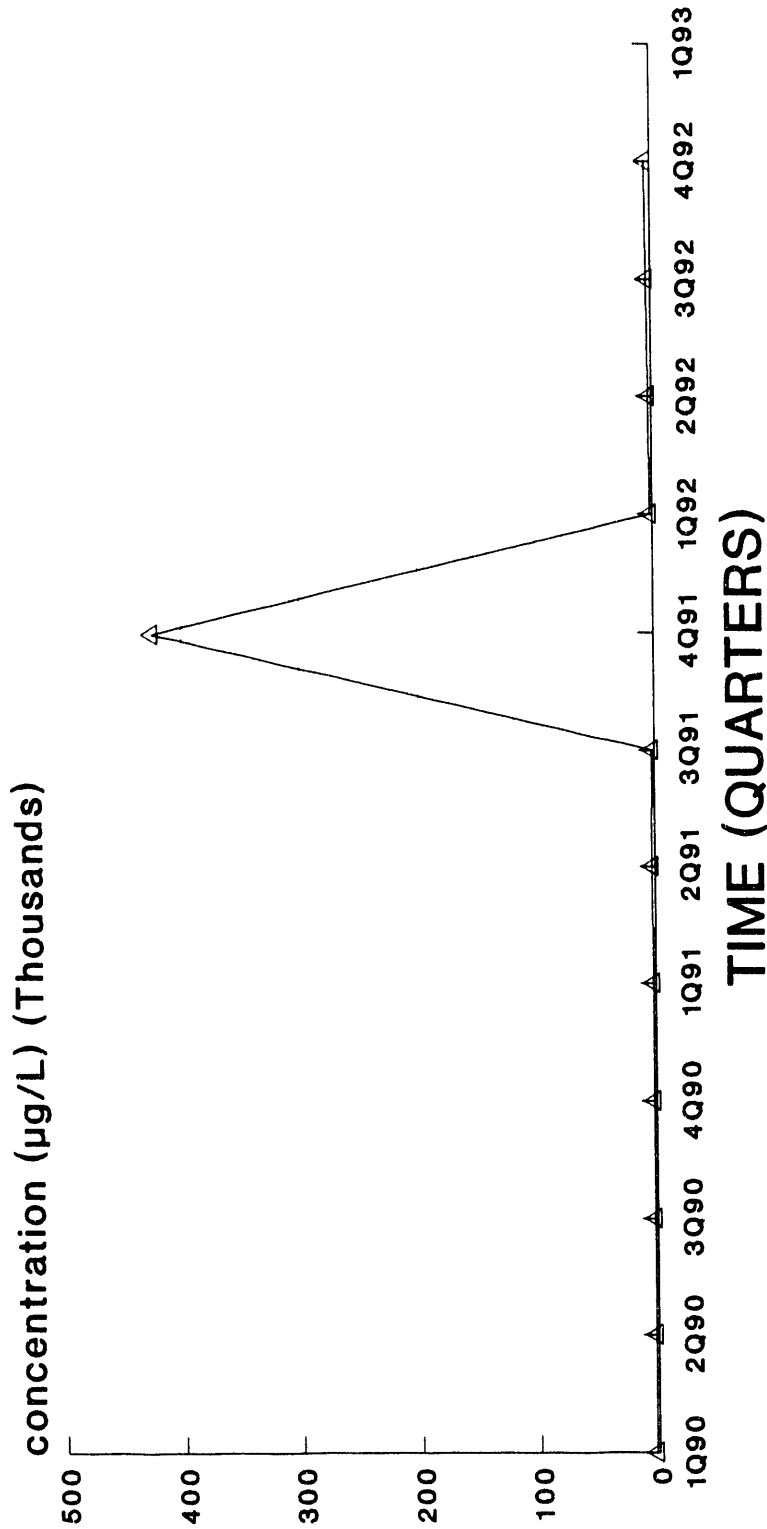


△ U. CONGAREE (IIA)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# HSB119A

## Nitrate-Nitrite as Nitrogen



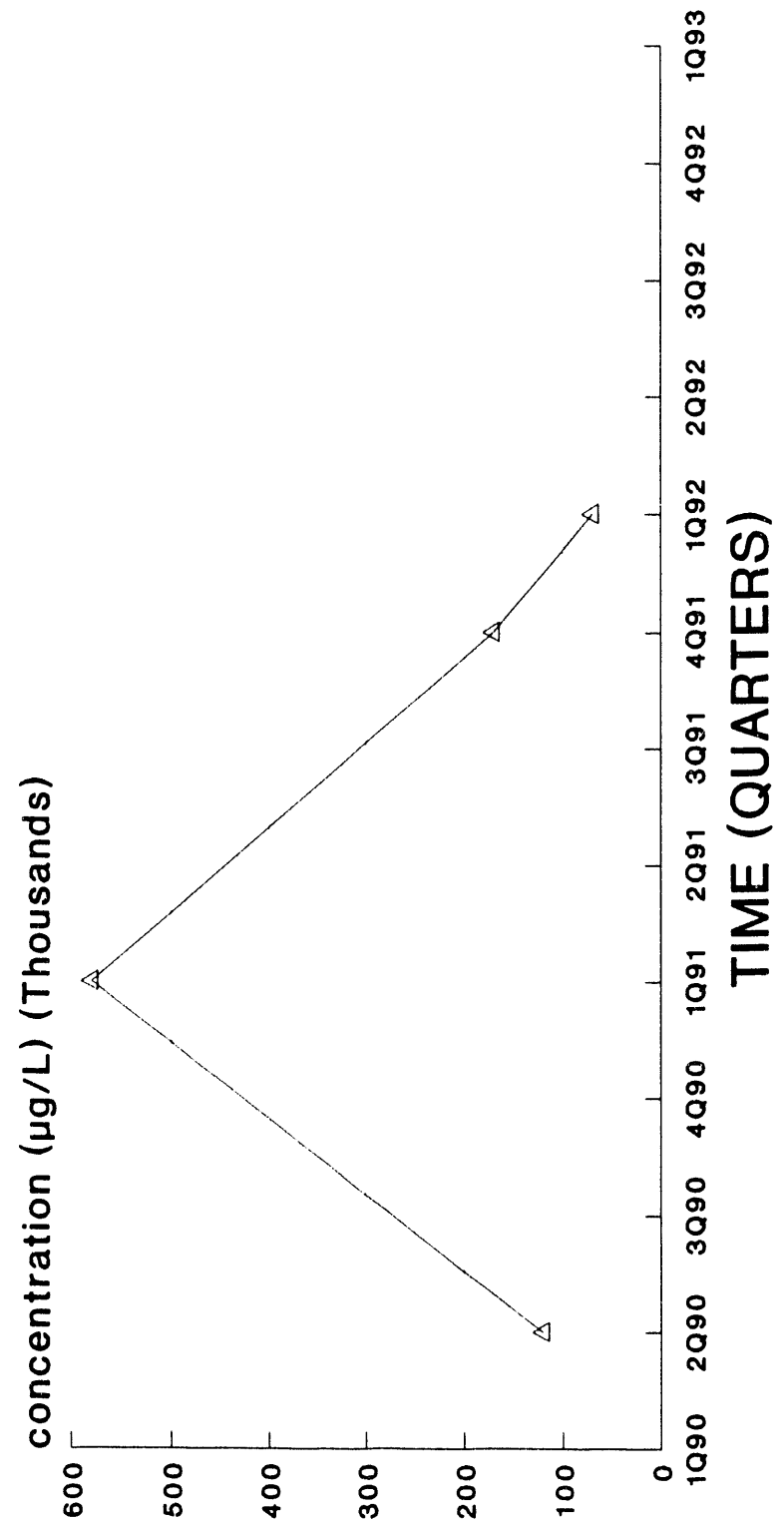
U. CONGAREE (IIA)

PDWS 10,000 µg/L  
empty space denotes no data or dry well



# HSB120A

## Nitrate-Nitrite as Nitrogen

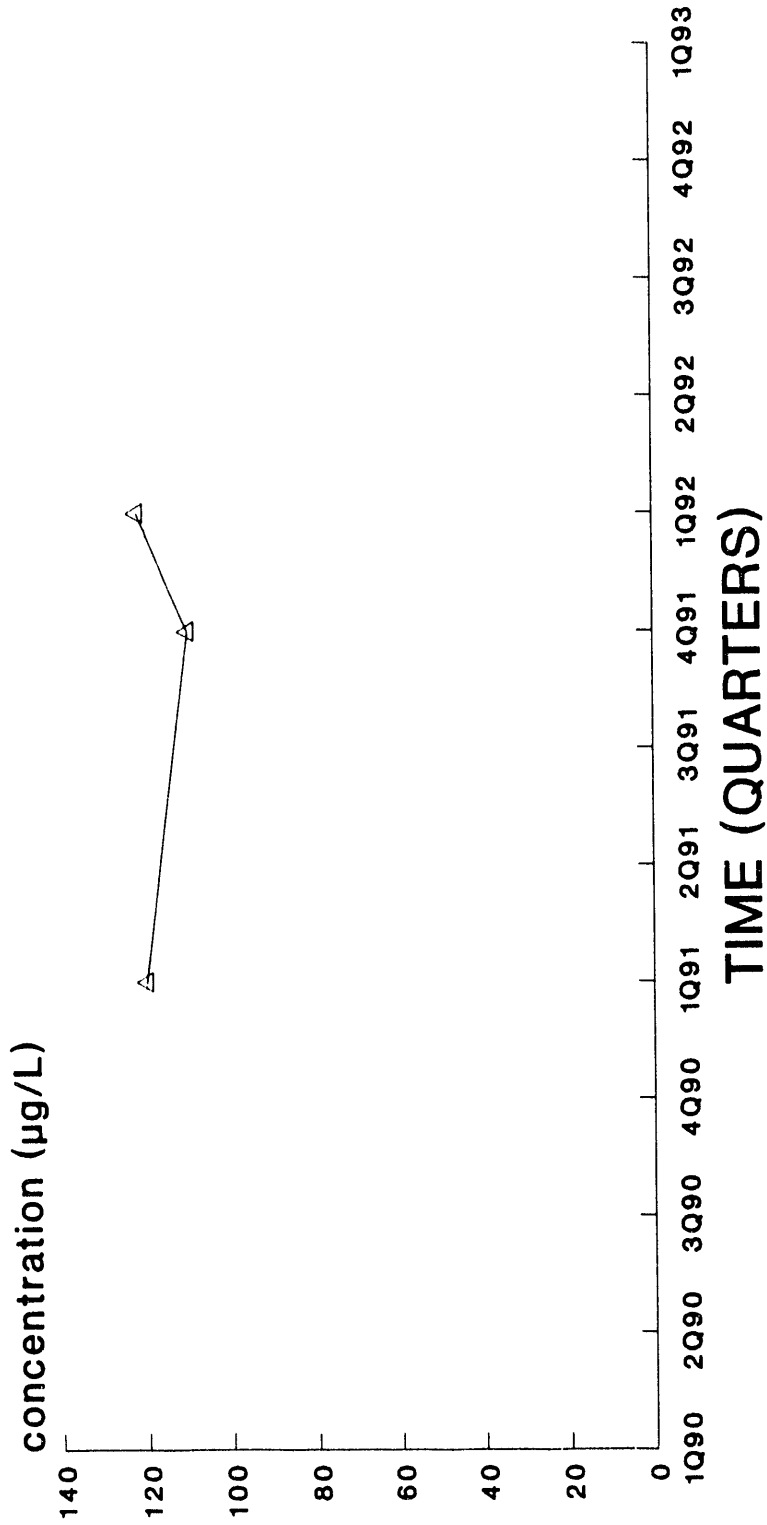


U. CONGAREE (IIA)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# HSB121A

## Nitrate-Nitrite as Nitrogen

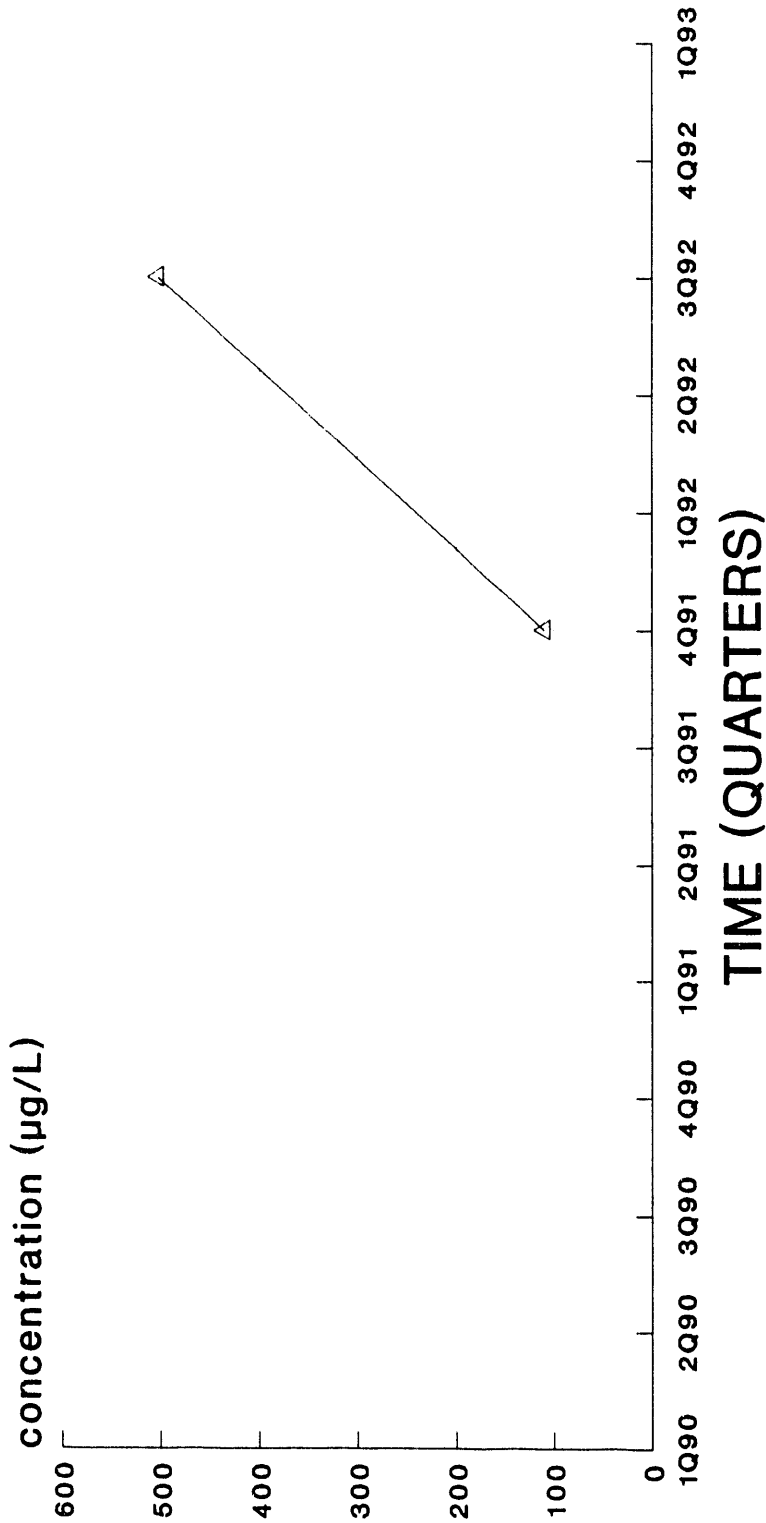


△ U. CONGAREE (IIA)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# HSB122A

## Nitrate-Nitrite as Nitrogen

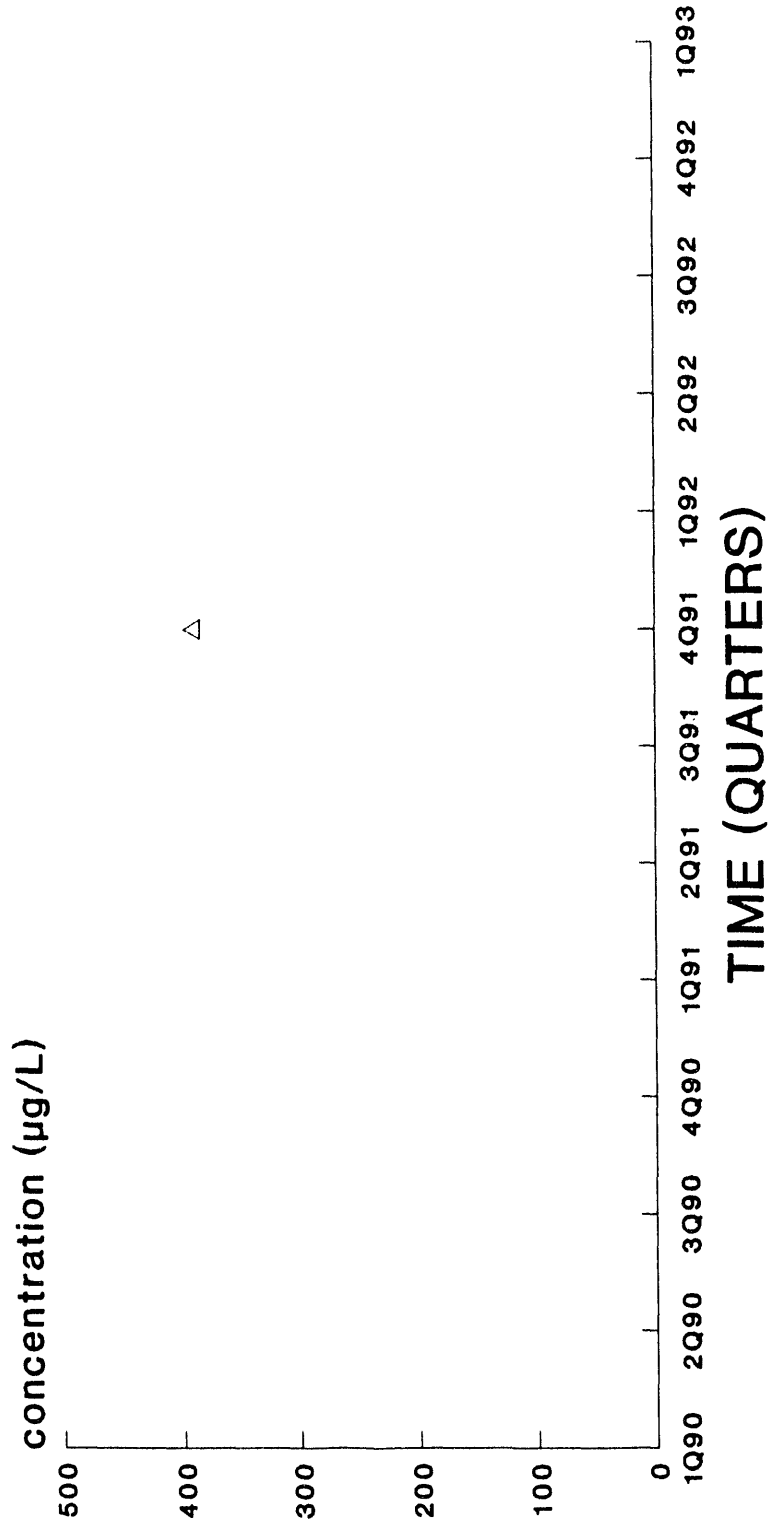


△ U. CONGAREE (IIA)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# HSB123A

## Nitrate-Nitrite as Nitrogen

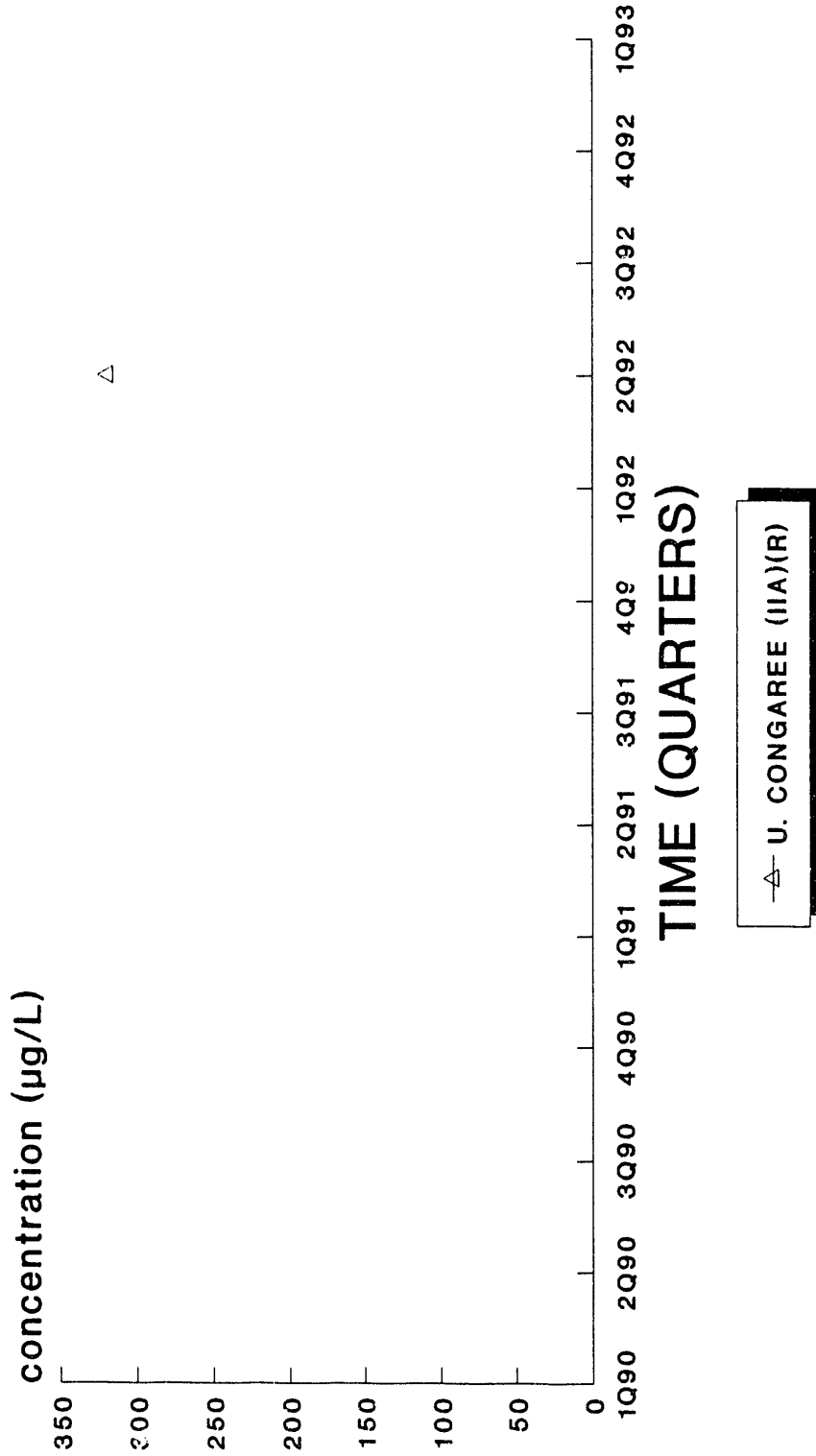


△ U. CONGAREE (IIA)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# HSB124AR

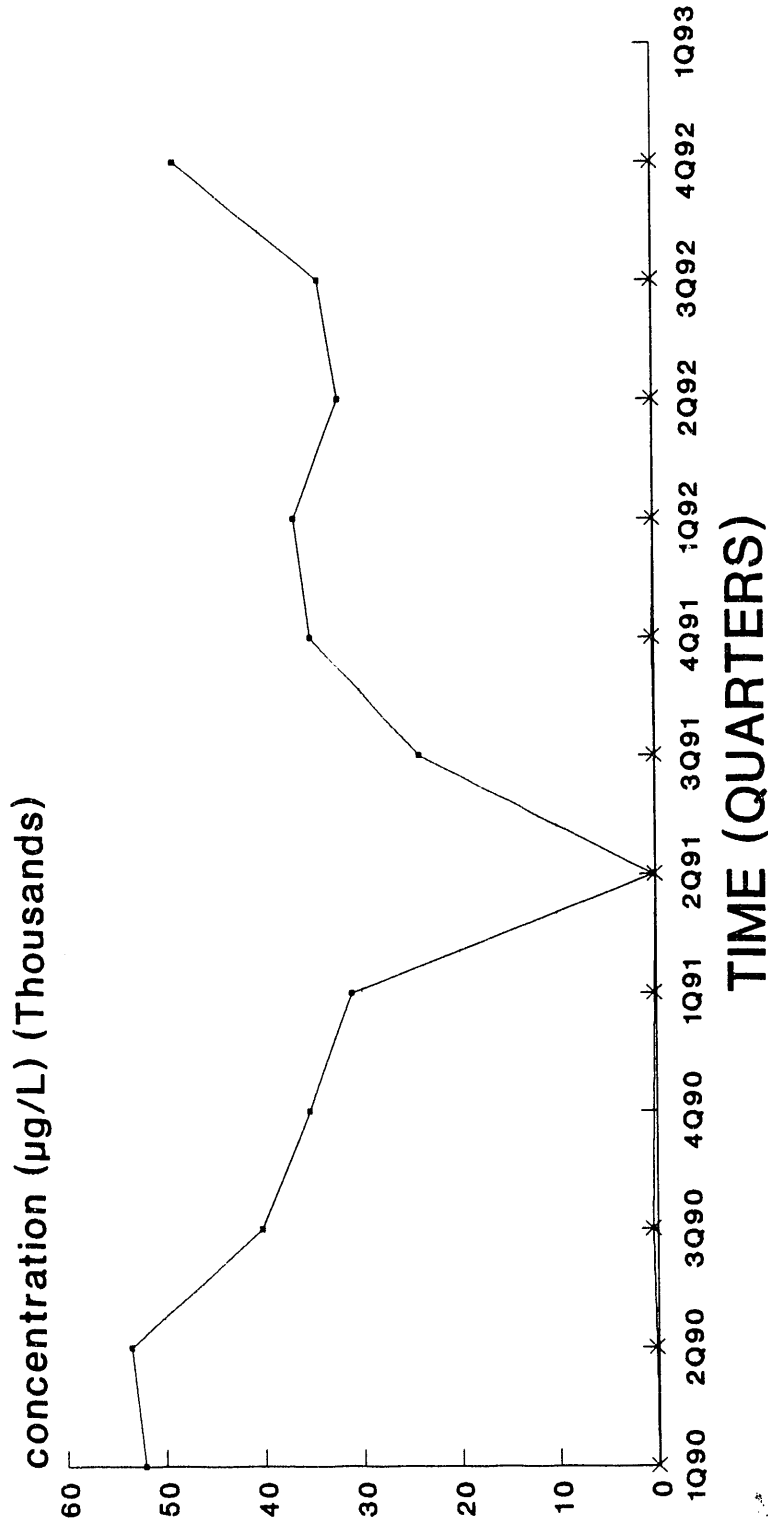
## Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L  
empty space denotes no data or dry well  
(R) denotes replacement well

# CLUSTER - HSB125

## Nitrate-Nitrite as Nitrogen

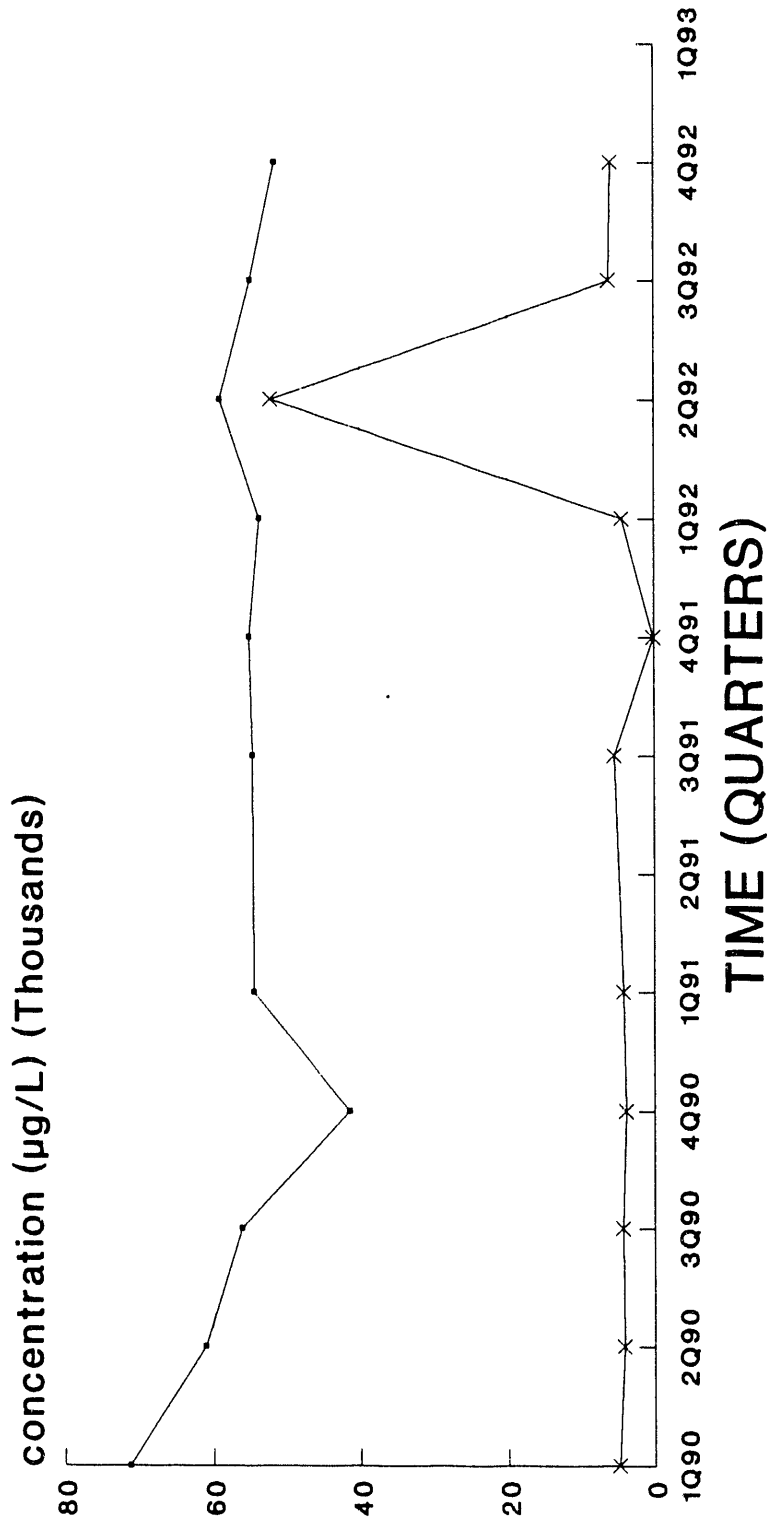


—●— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB126

## Nitrate-Nitrite as Nitrogen

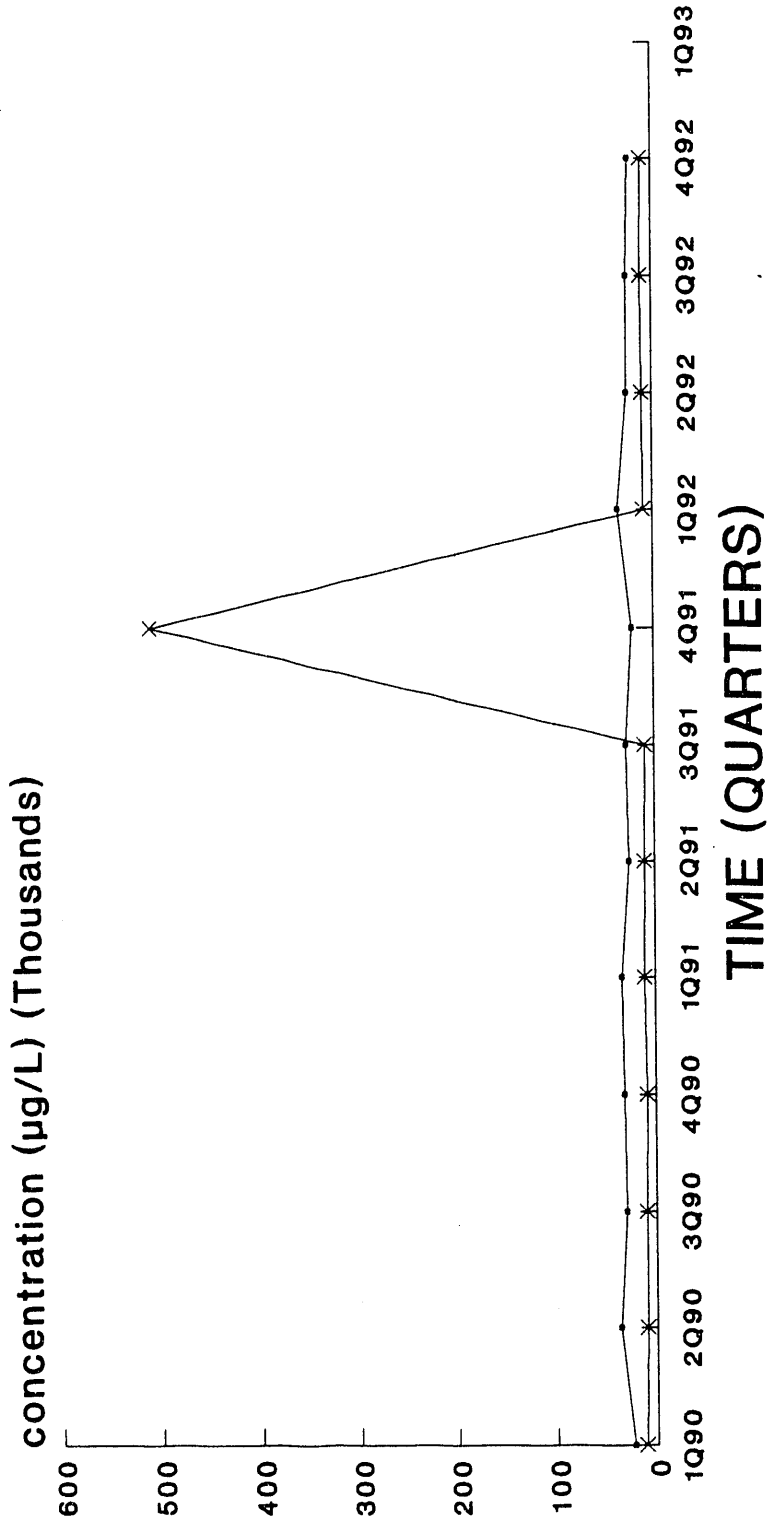


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB127

## Nitrate-Nitrite as Nitrogen

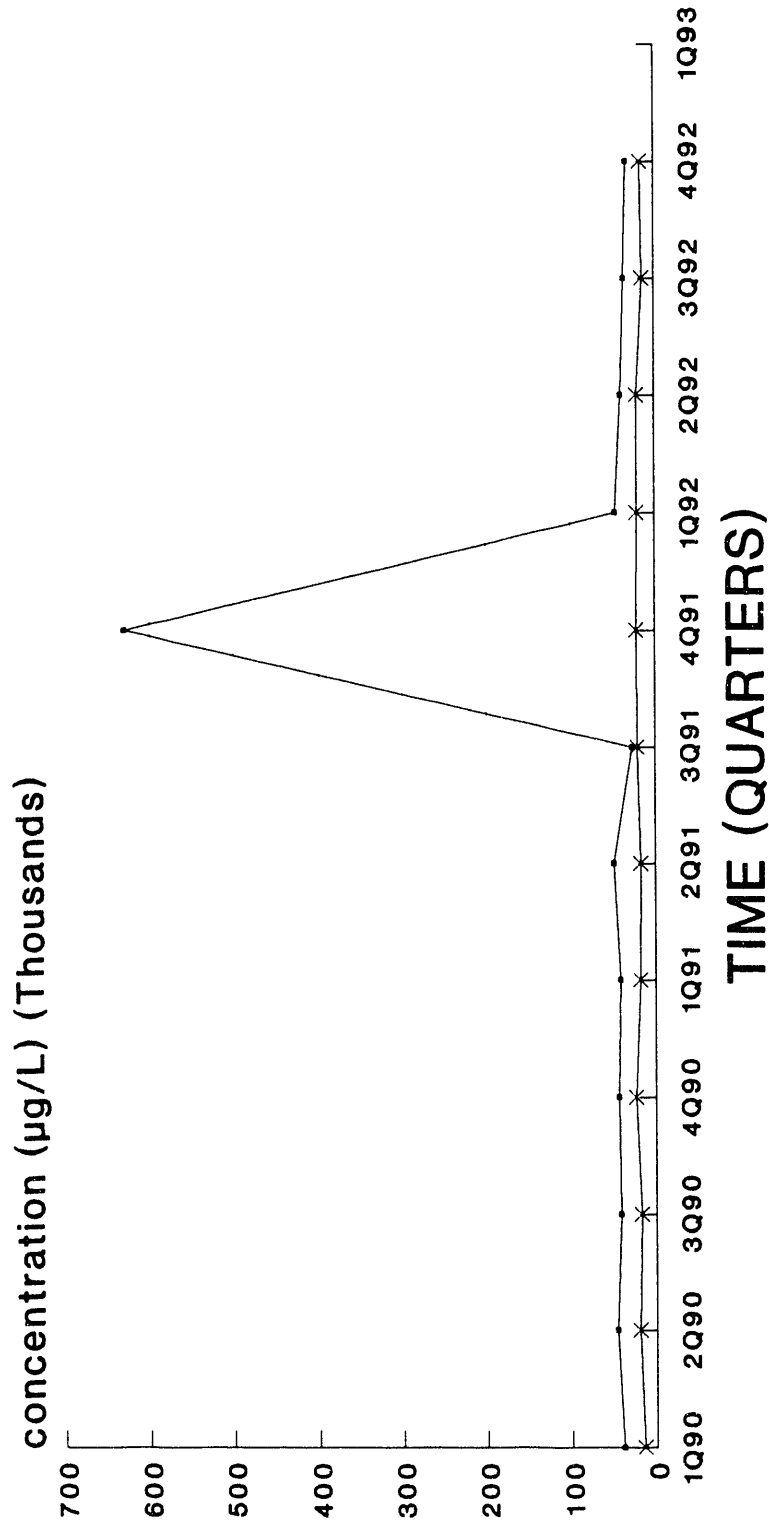


PDWS 10,000 µg/L  
empty space denotes no data or dry well



# CLUSTER - HSB129

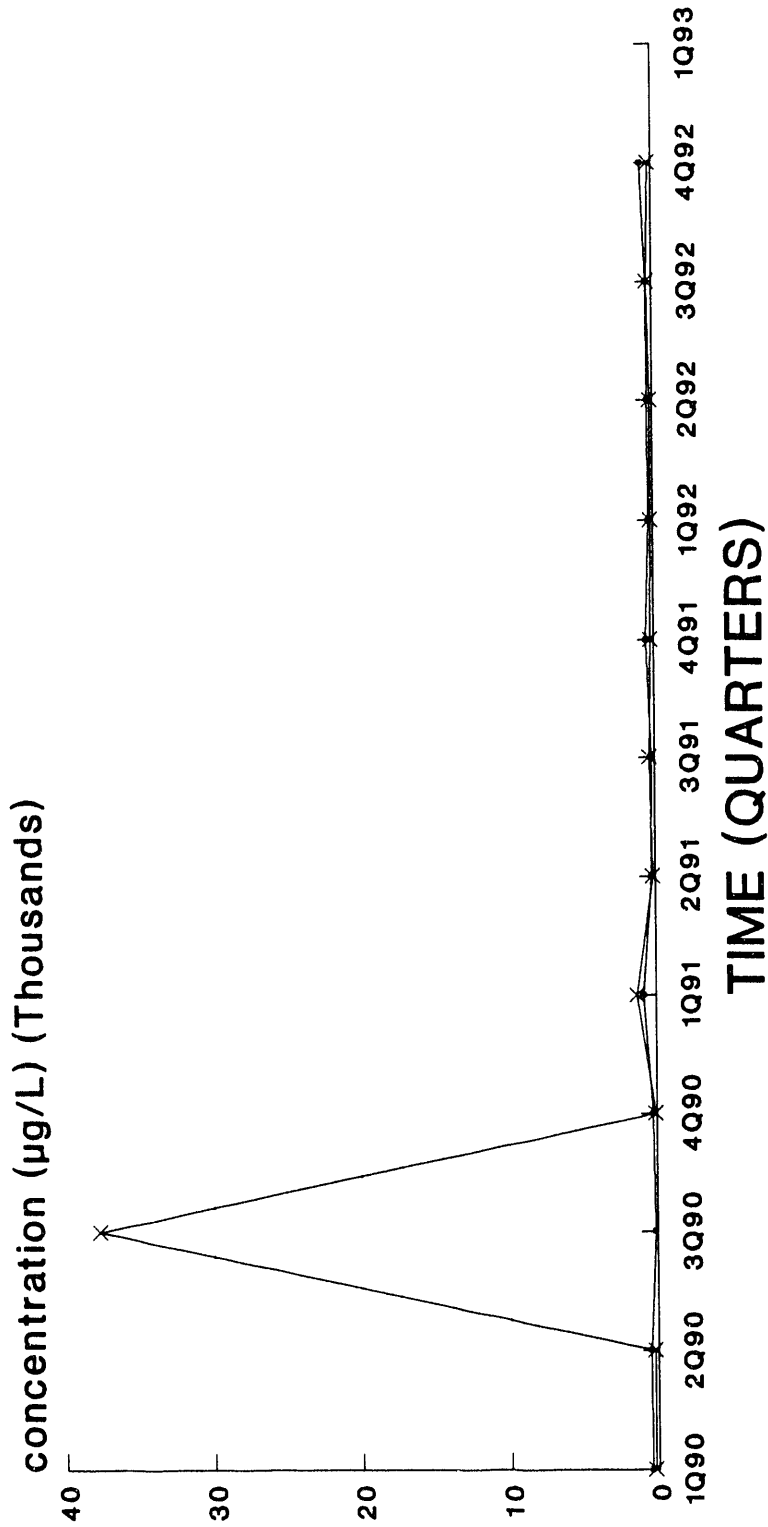
## Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L  
 empty space denotes no data or dry well

# CLUSTER - HSB130

## Nitrate-Nitrite as Nitrogen

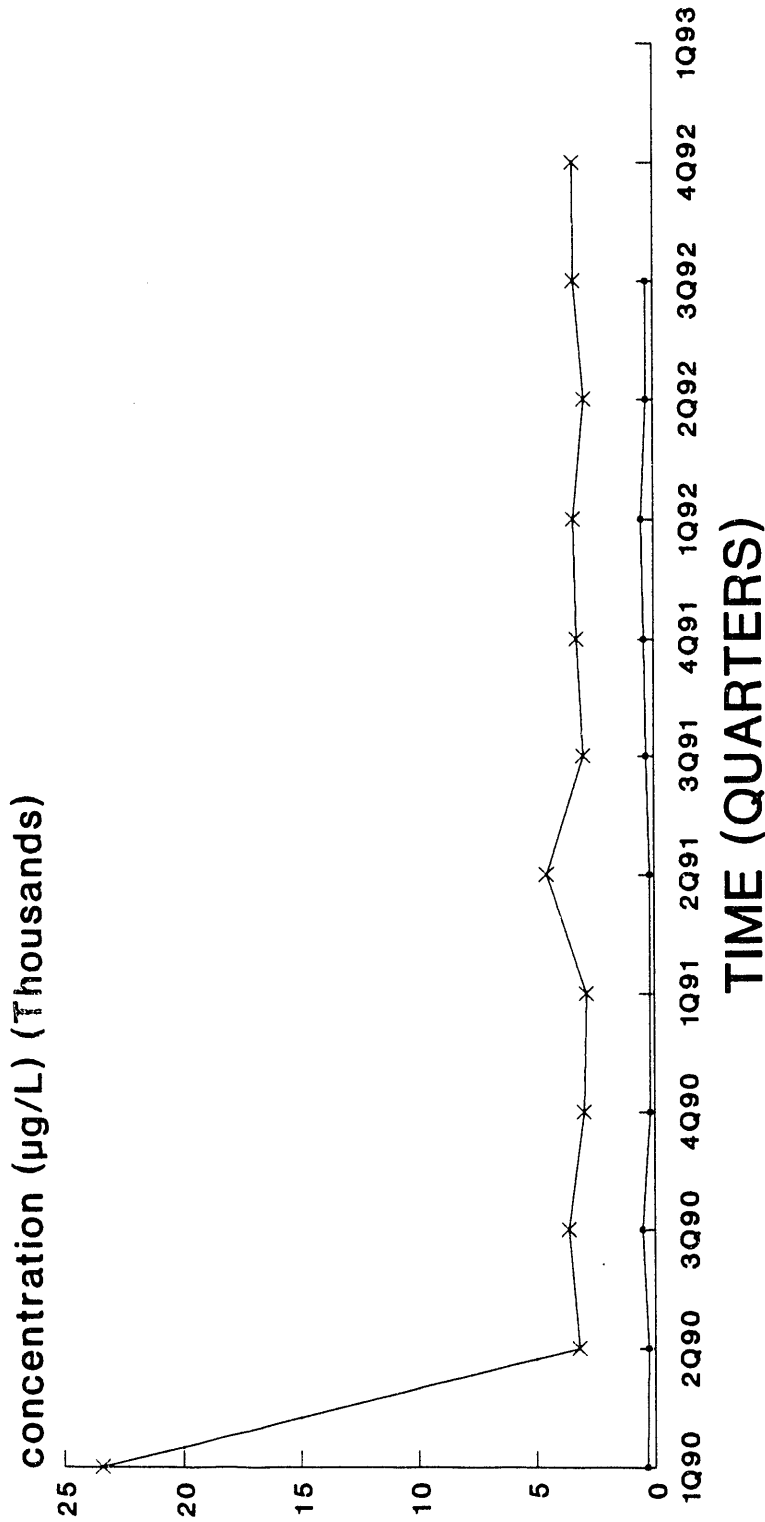


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB131

## Nitrate-Nitrite as Nitrogen

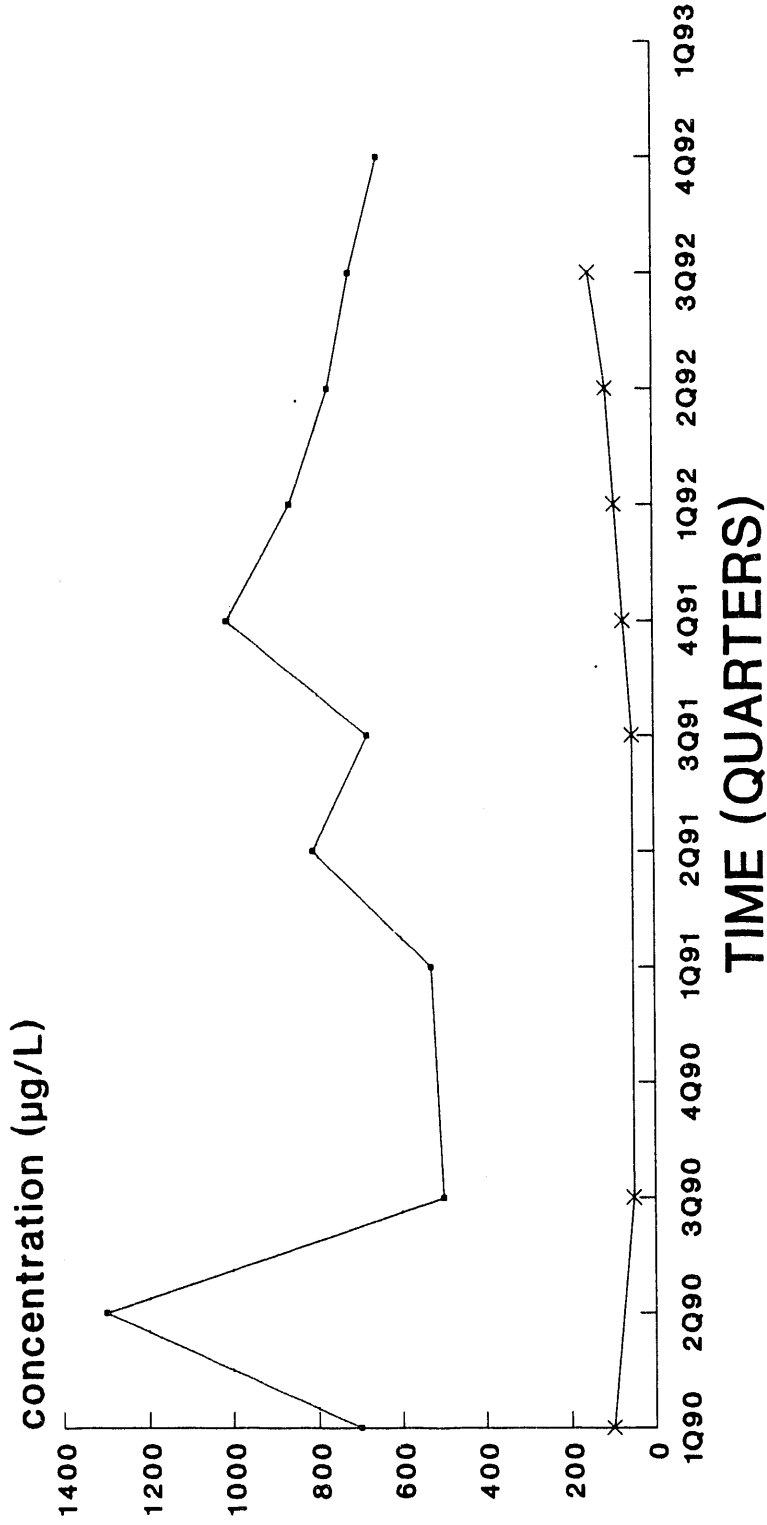


—○— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB132

## Nitrate-Nitrite as Nitrogen

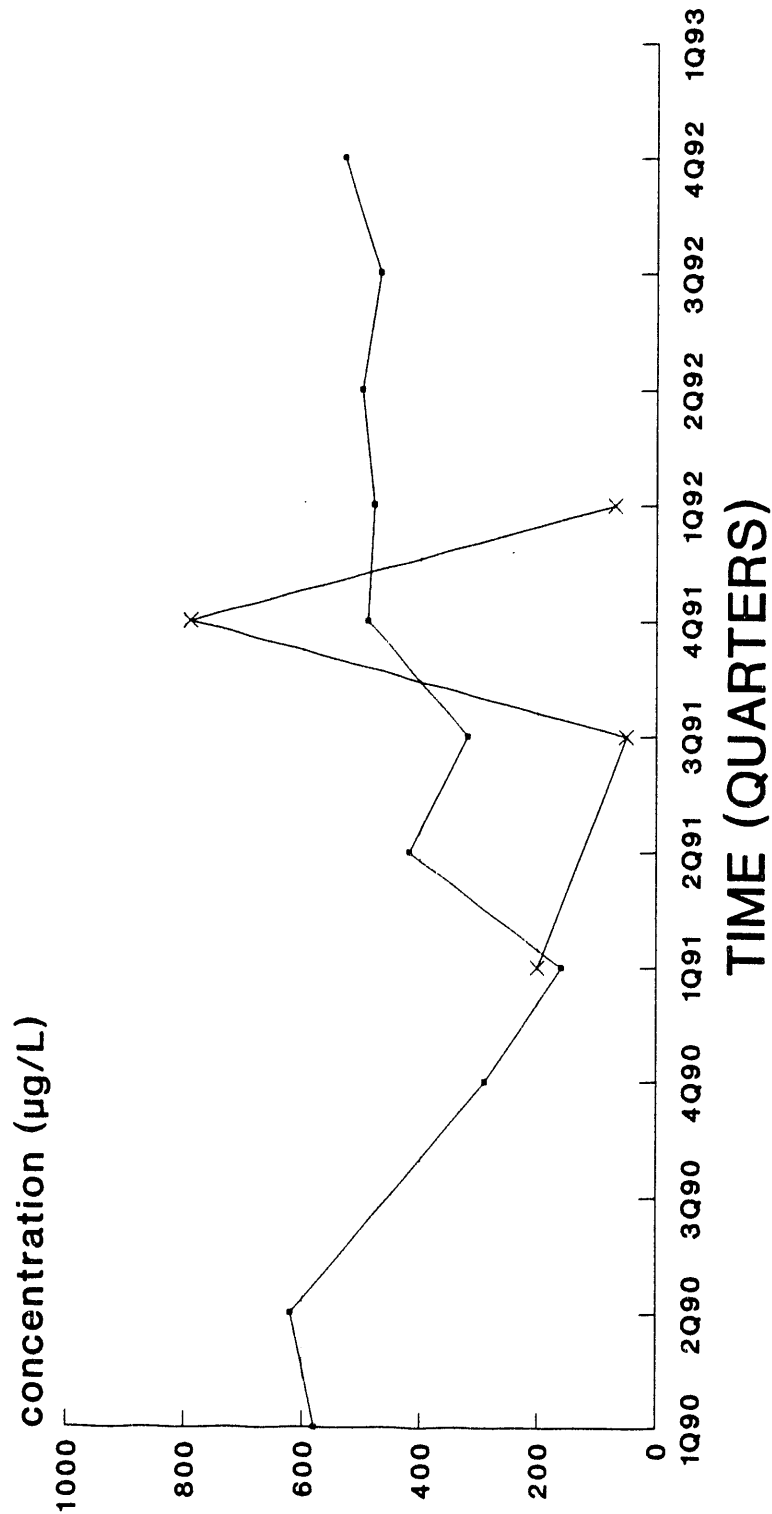


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
 empty space denotes no data or dry well

# CLUSTER - HSB133

## Nitrate-Nitrite as Nitrogen

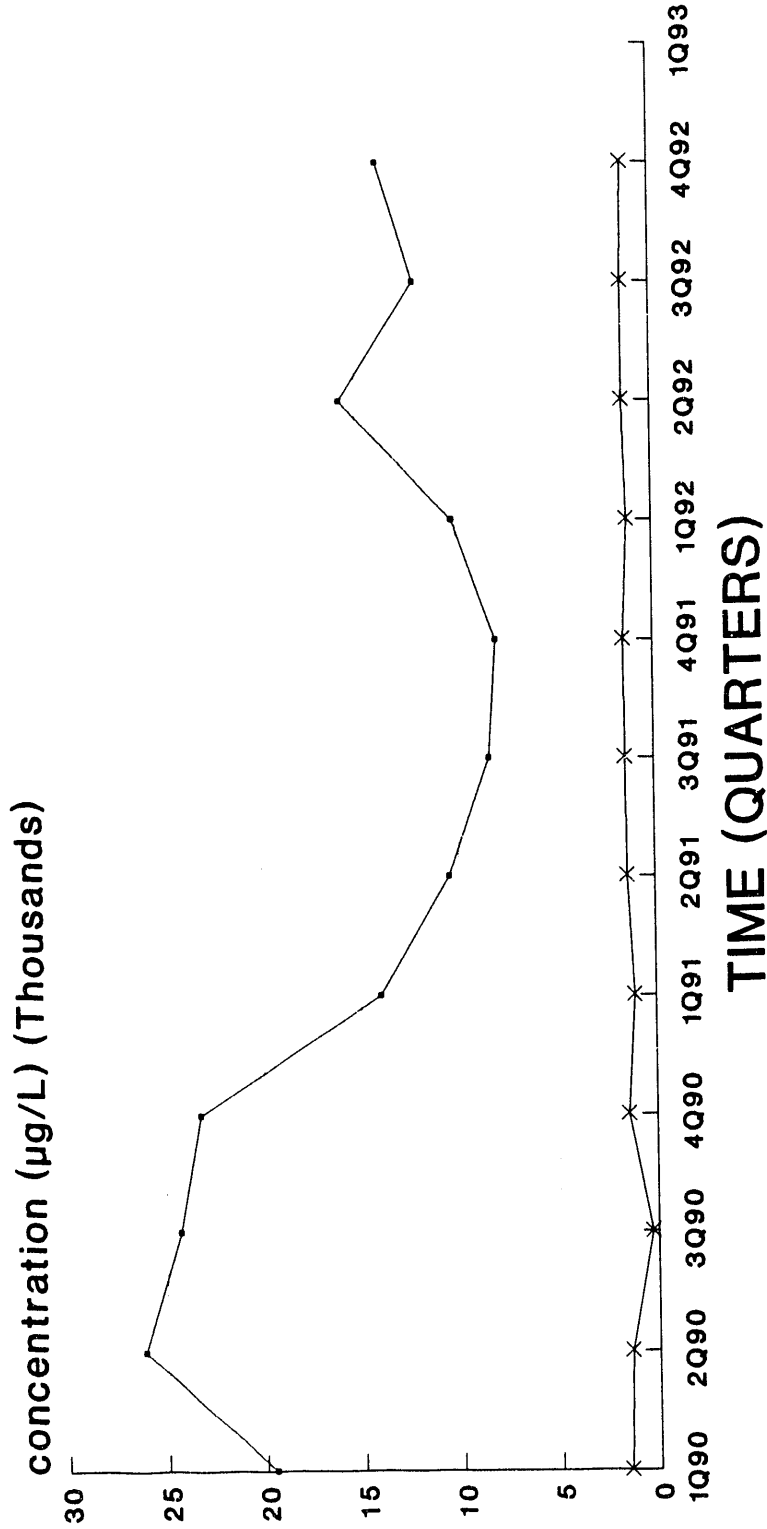


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB134

## Nitrate-Nitrite as Nitrogen

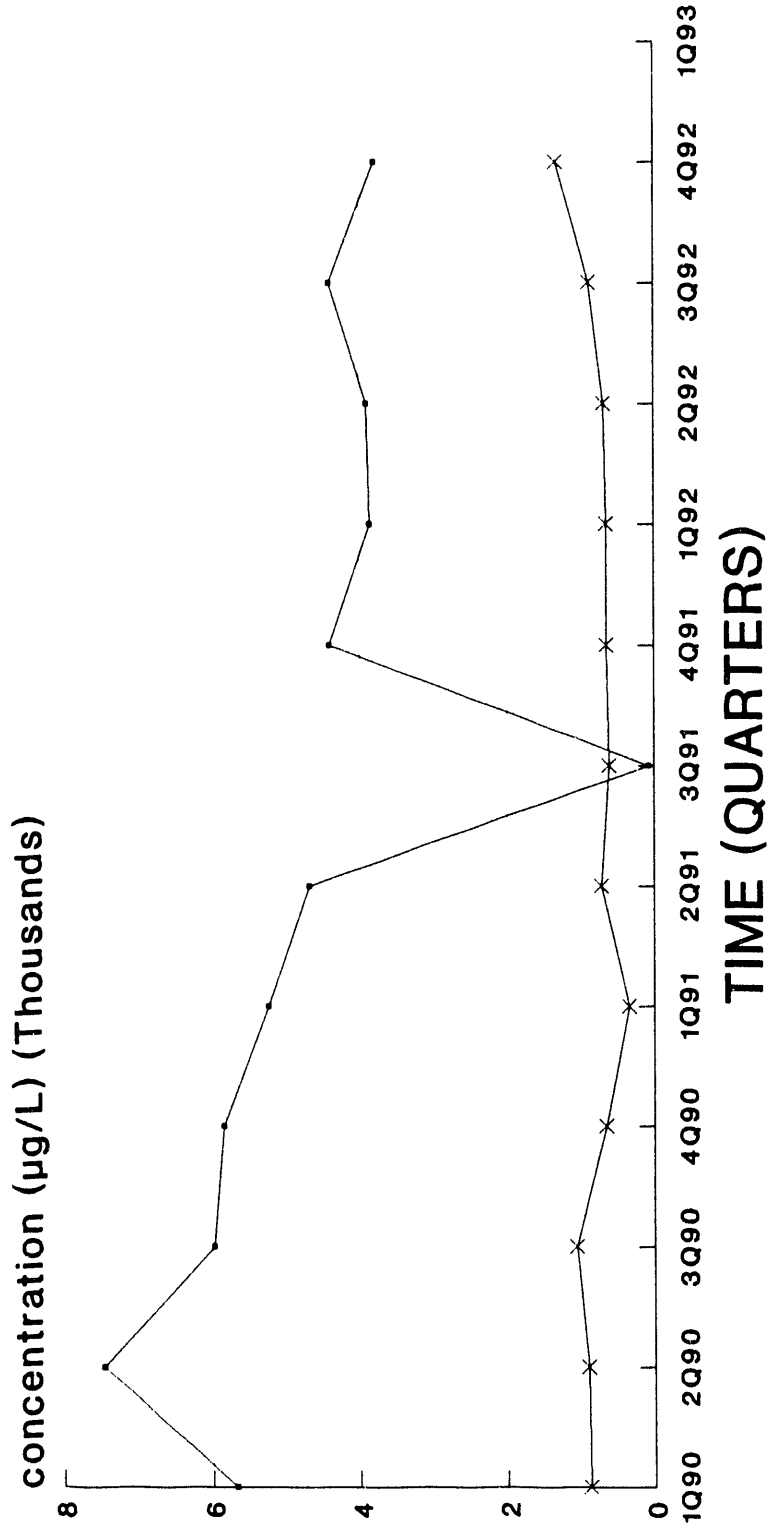


—•— WATER TABLE (IIB2)    \*—\* BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB135

## Nitrate-Nitrite as Nitrogen

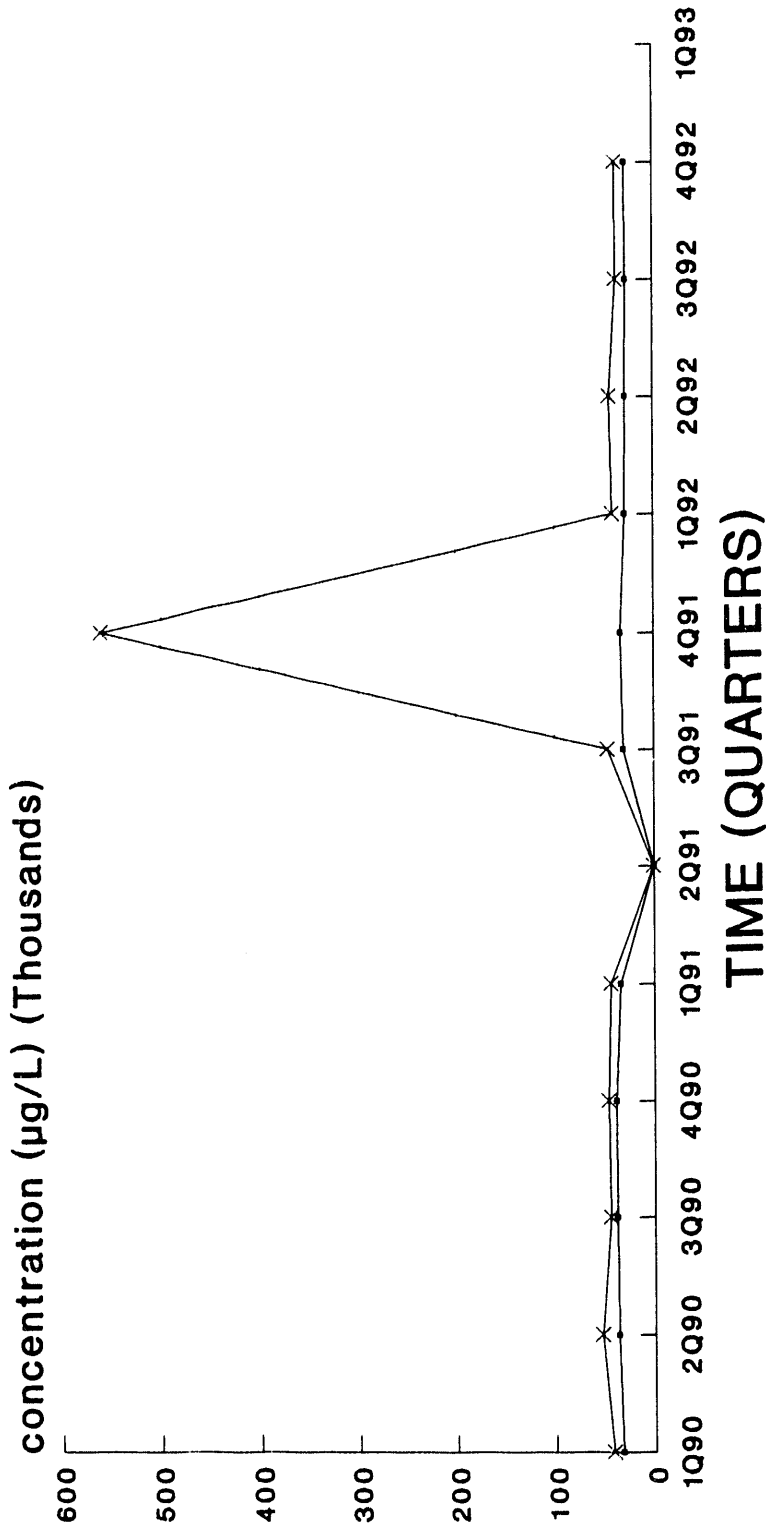


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB136

## Nitrate-Nitrite as Nitrogen



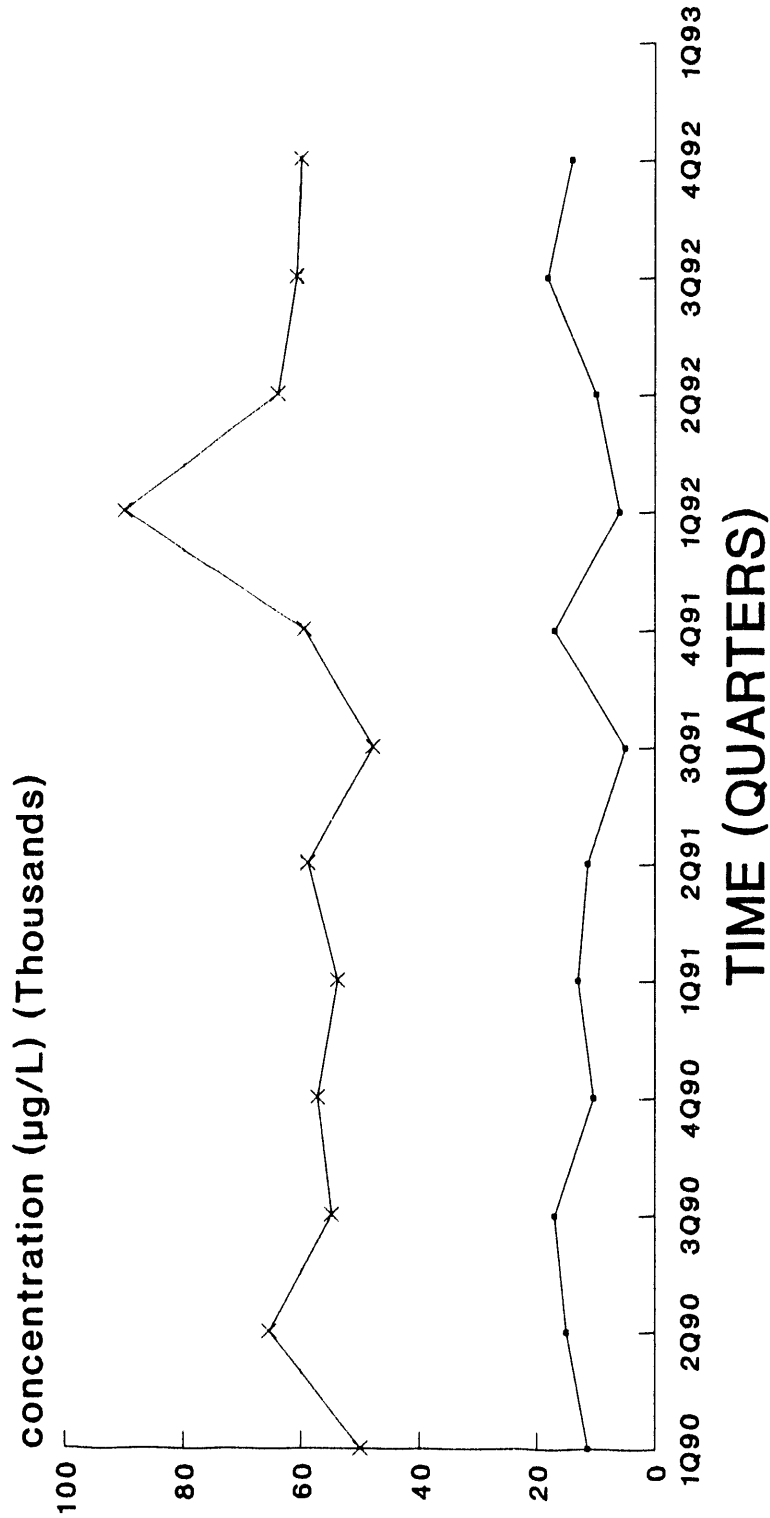
—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well



# CLUSTER - HSB137

## Nitrate-Nitrite as Nitrogen

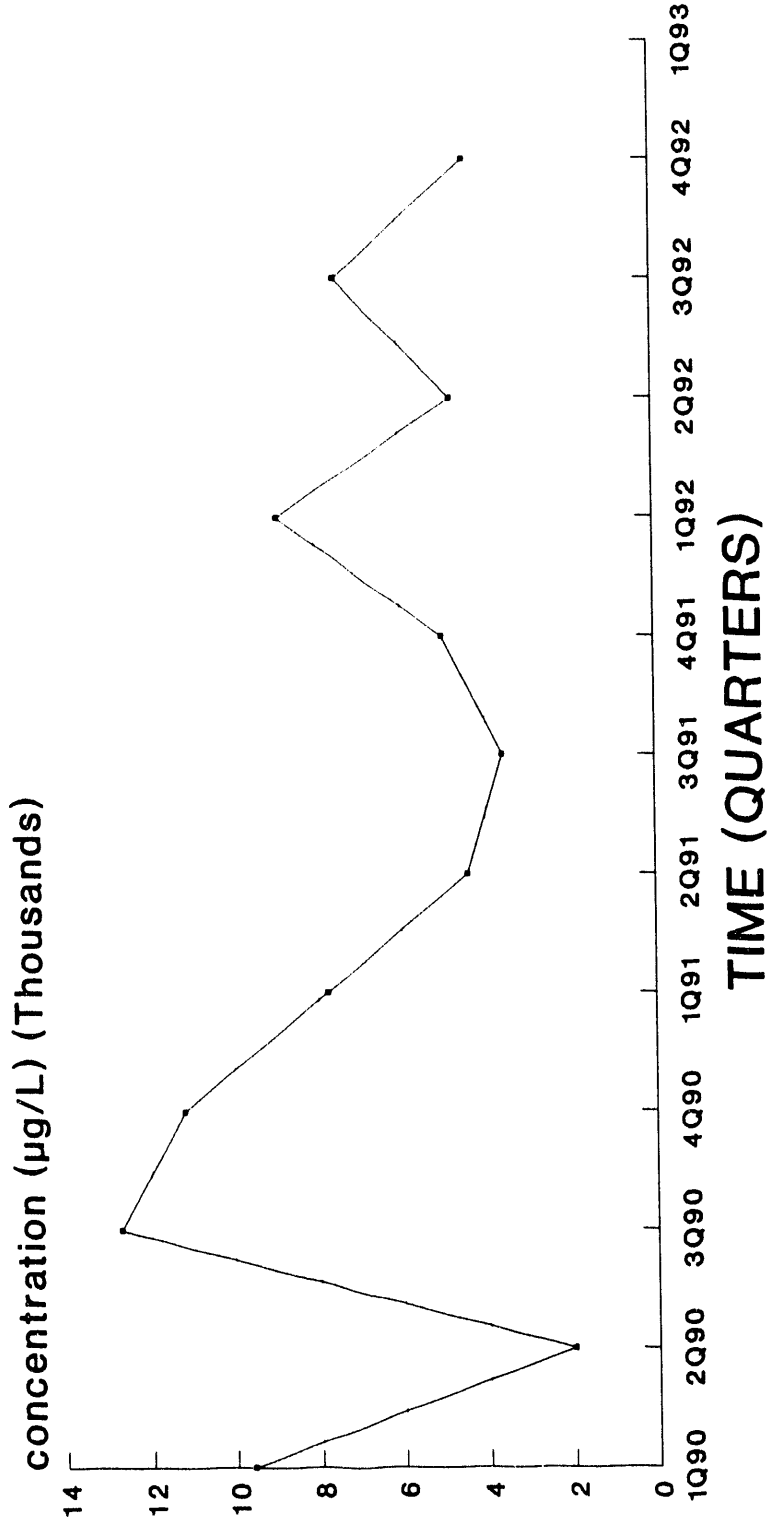


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# HSB138D

## Nitrate-Nitrite as Nitrogen

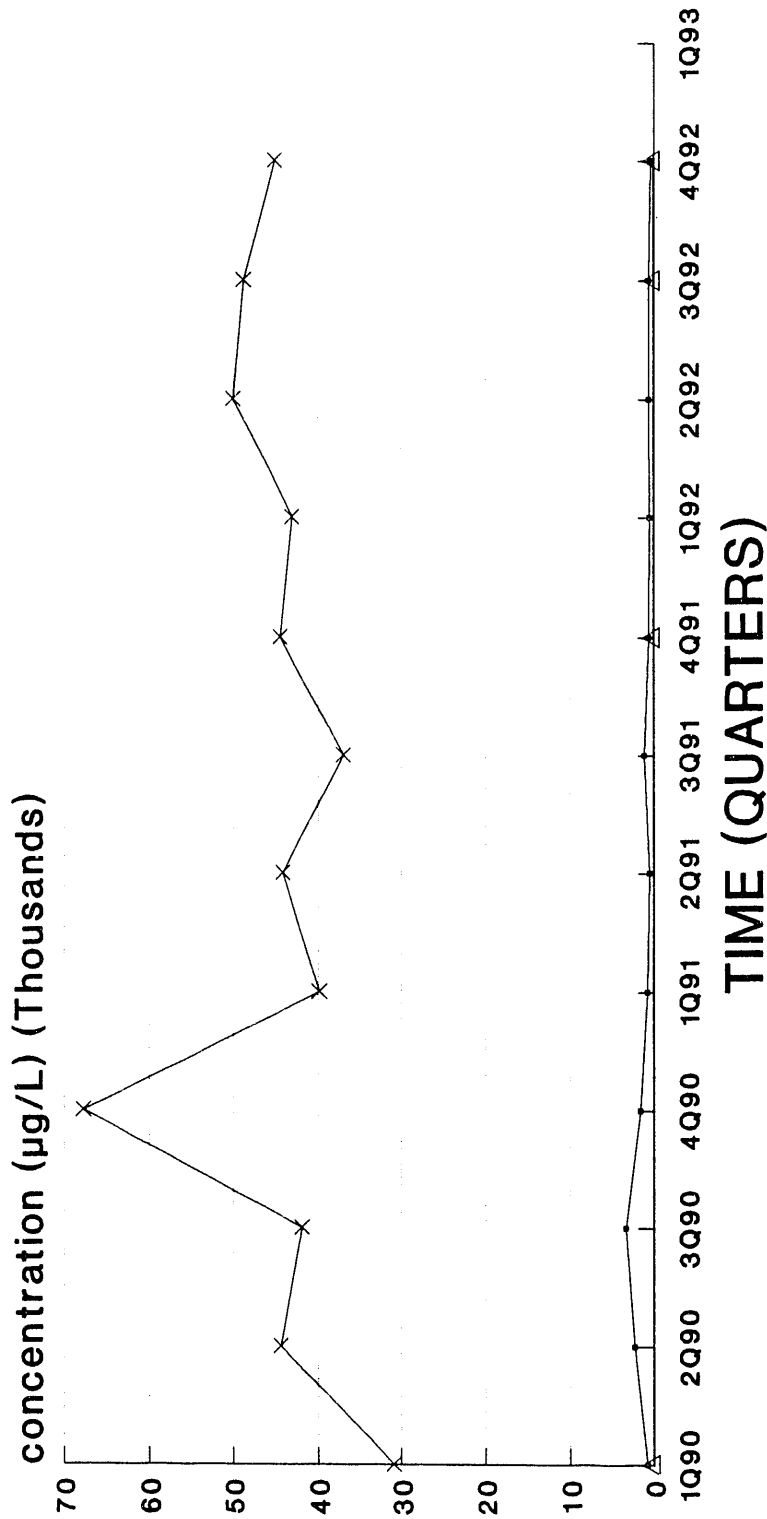


WATER TABLE (IIB2)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB139

## Nitrate-Nitrite as Nitrogen

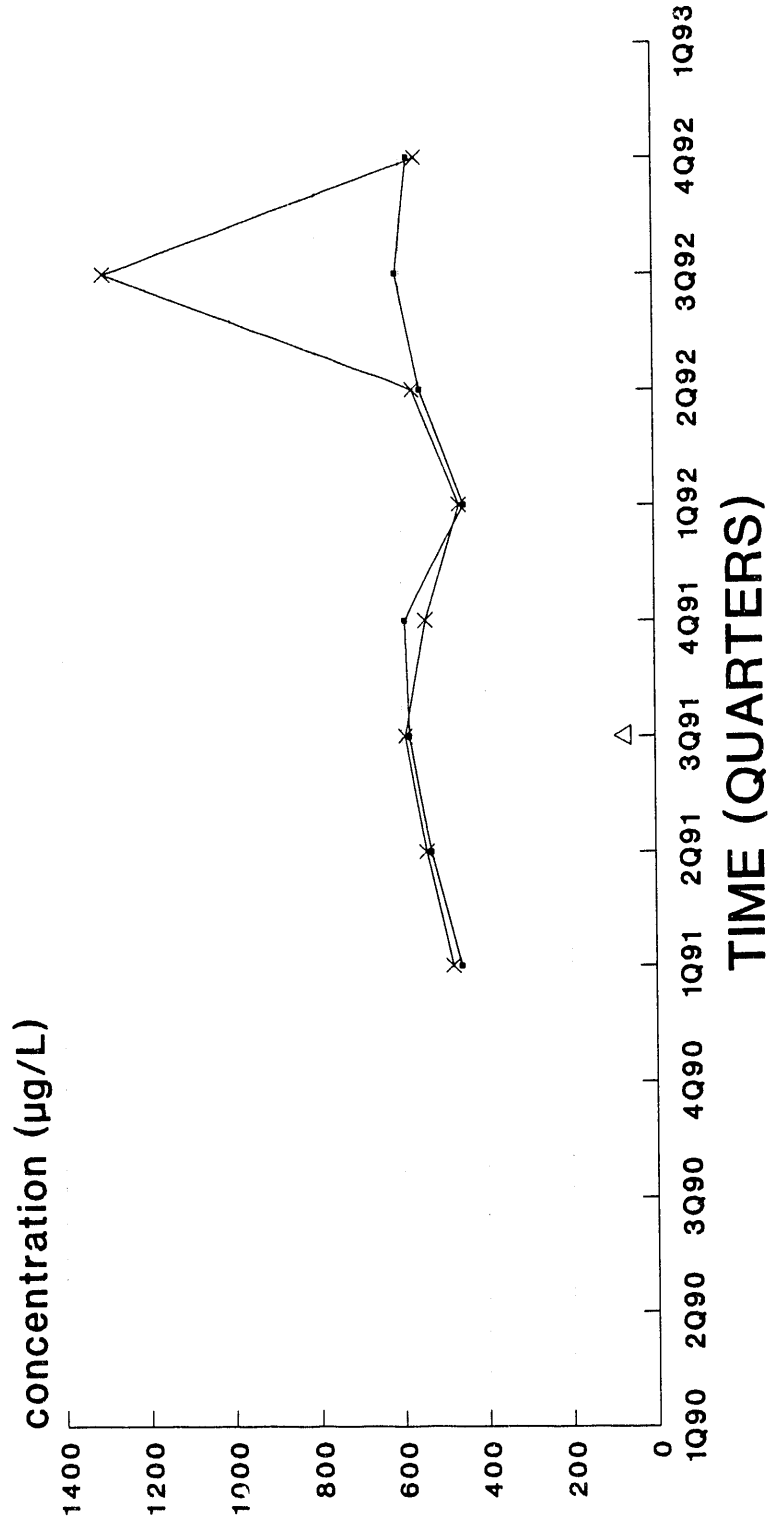


—□— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)    —△— U. CONGAREE (IIA)

PDWS 10,000 µg/L  
 empty space denotes no data or dry well

# CLUSTER - HSB140

## Nitrate-Nitrite as Nitrogen

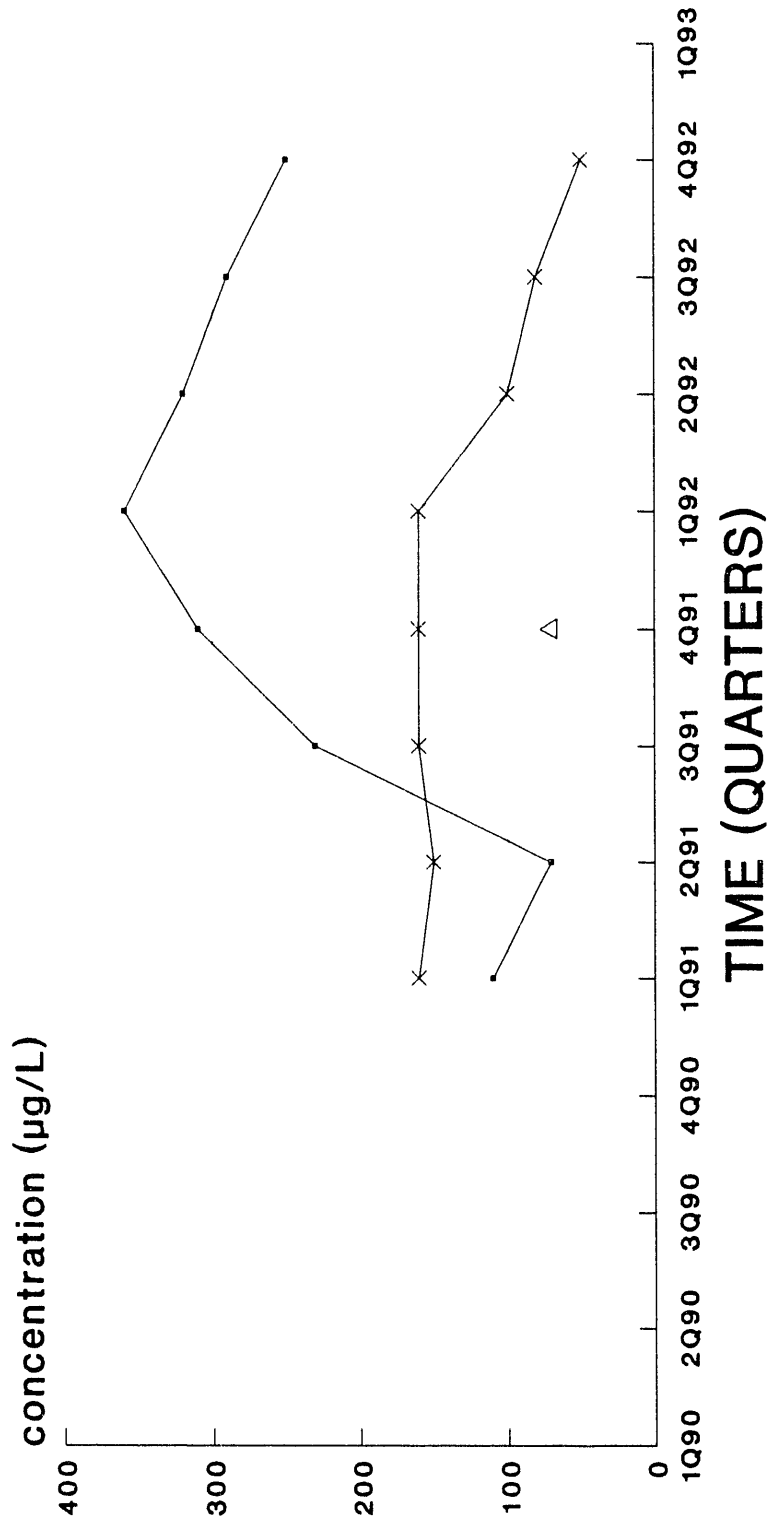


—●— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)    —△— U. CONGAREE (IIA)

PDWS 10,000 µg/L  
 empty space denotes no data or dry well

# CLUSTER - HSB141

## Nitrate-Nitrite as Nitrogen

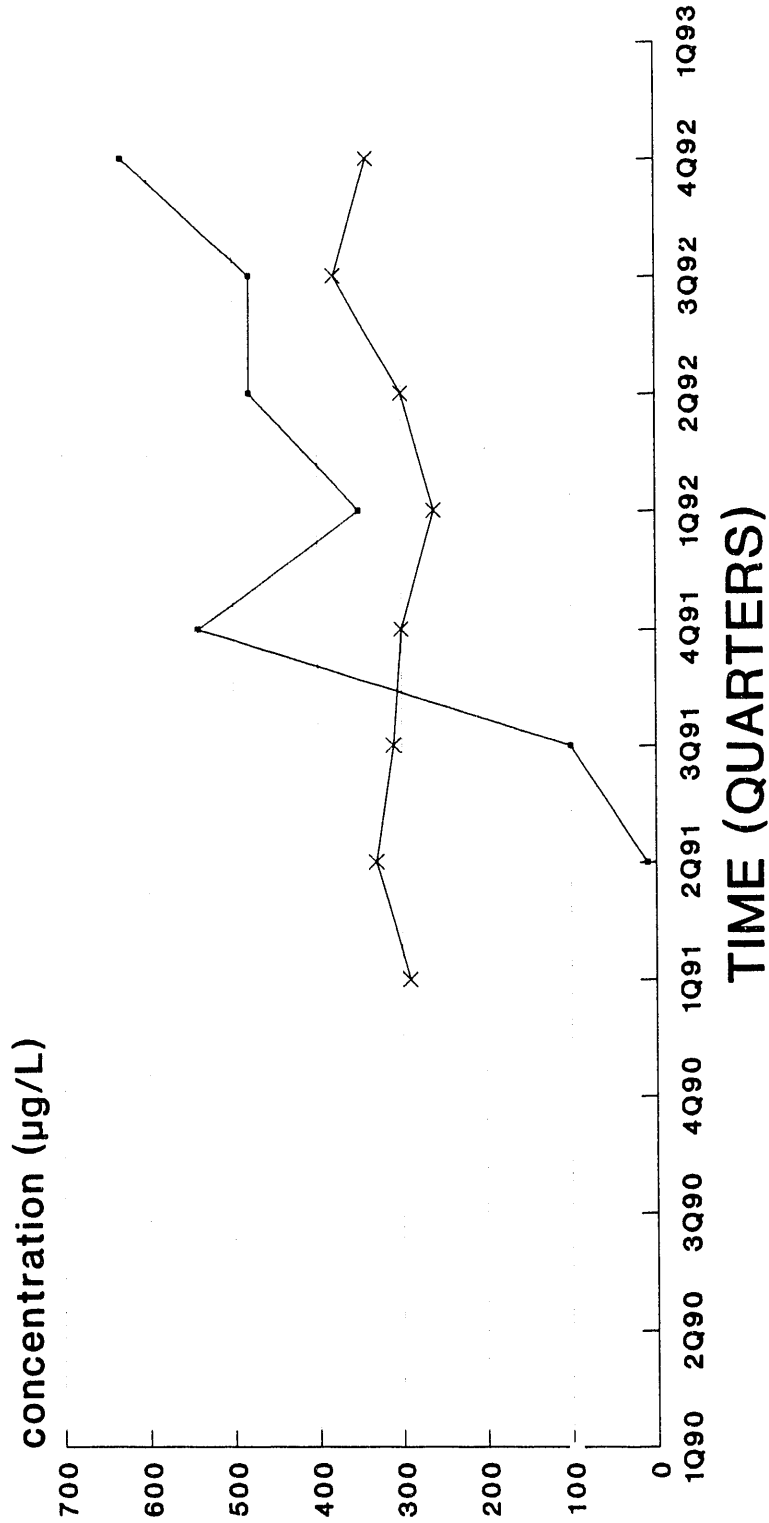


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)    —△— U. CONGAREE (IIA)

PDWS 10,000 µg/L  
 empty space denotes no data or dry well

# CLUSTER - HSB142

## Nitrate-Nitrite as Nitrogen

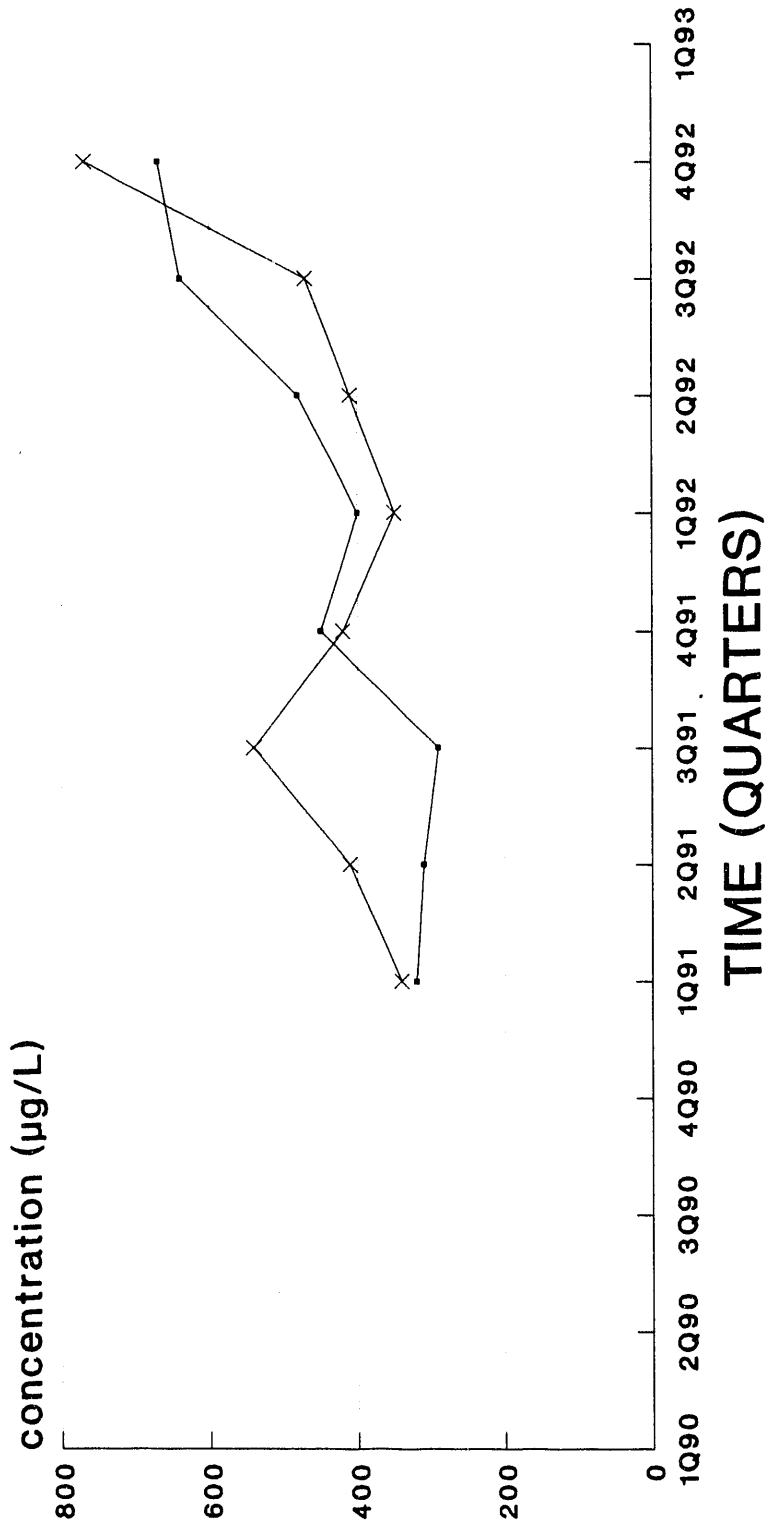


--- WATER TABLE (IIB2)    -x- BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB143

## Nitrate-Nitrite as Nitrogen

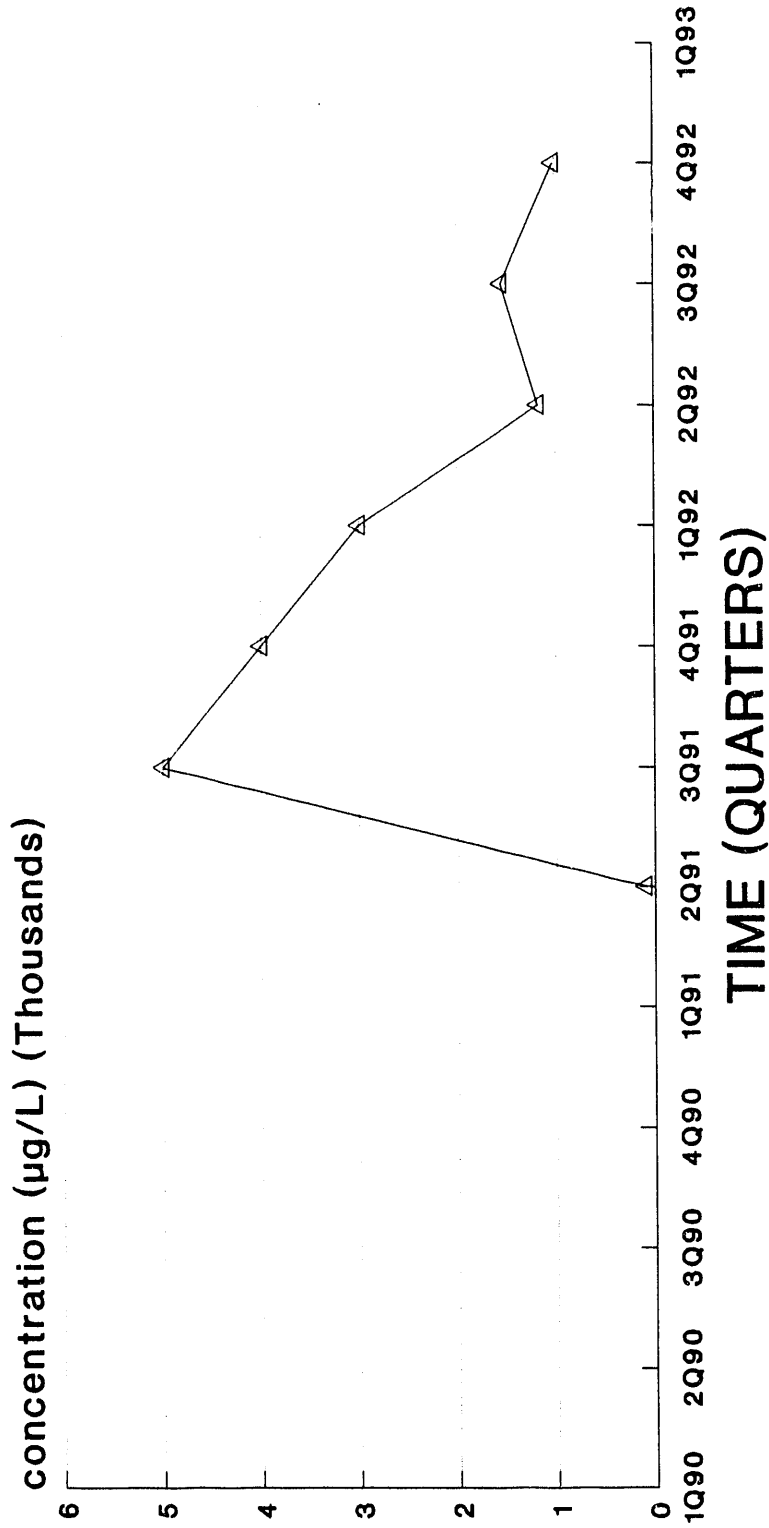


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# HSB144A

## Nitrate-Nitrite as Nitrogen



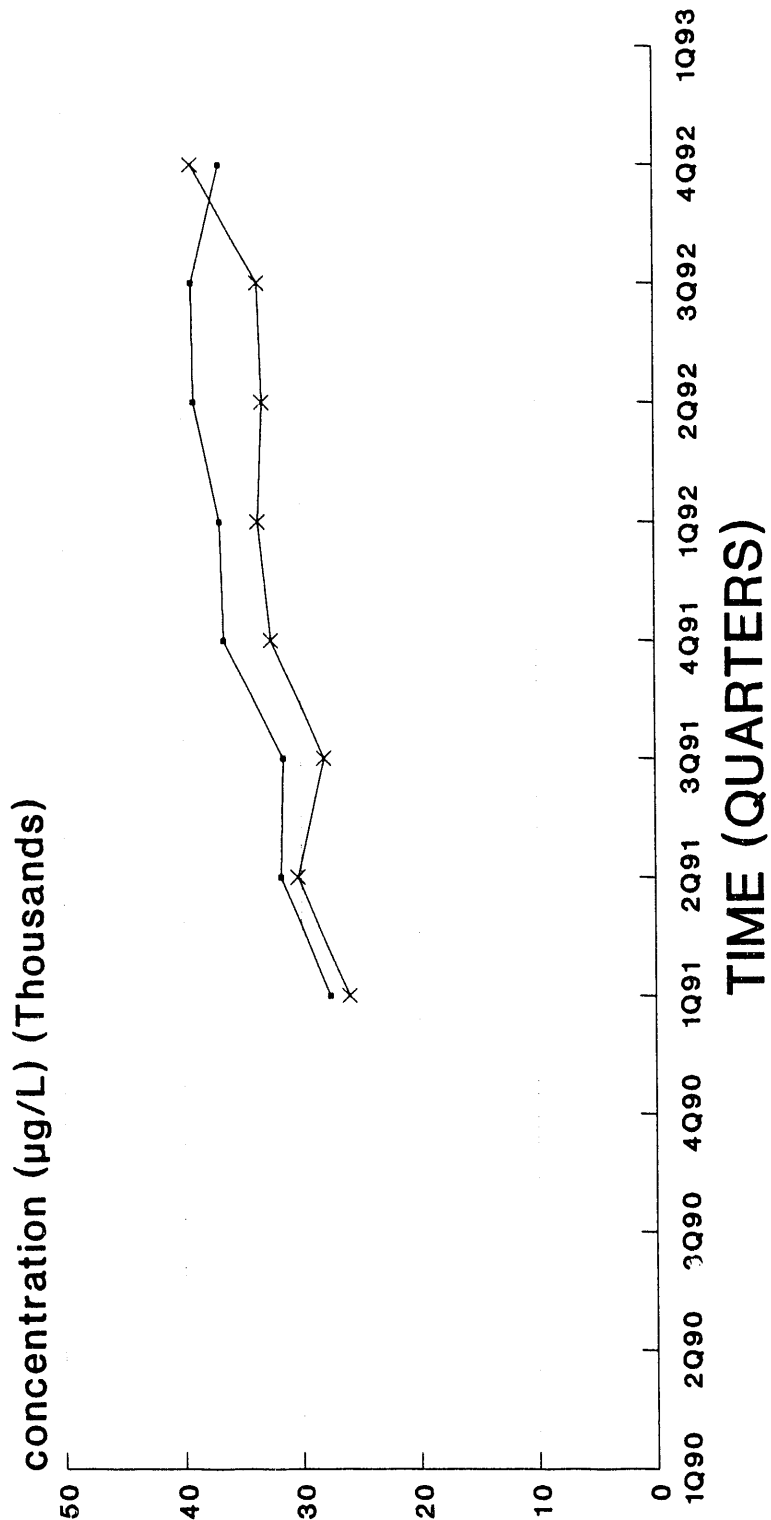
△ U. CONGAREE (IIA)

PDWS 10,000 µg/L  
empty space denotes no data or dry well



# CLUSTER - HSB145

## Nitrate-Nitrite as Nitrogen

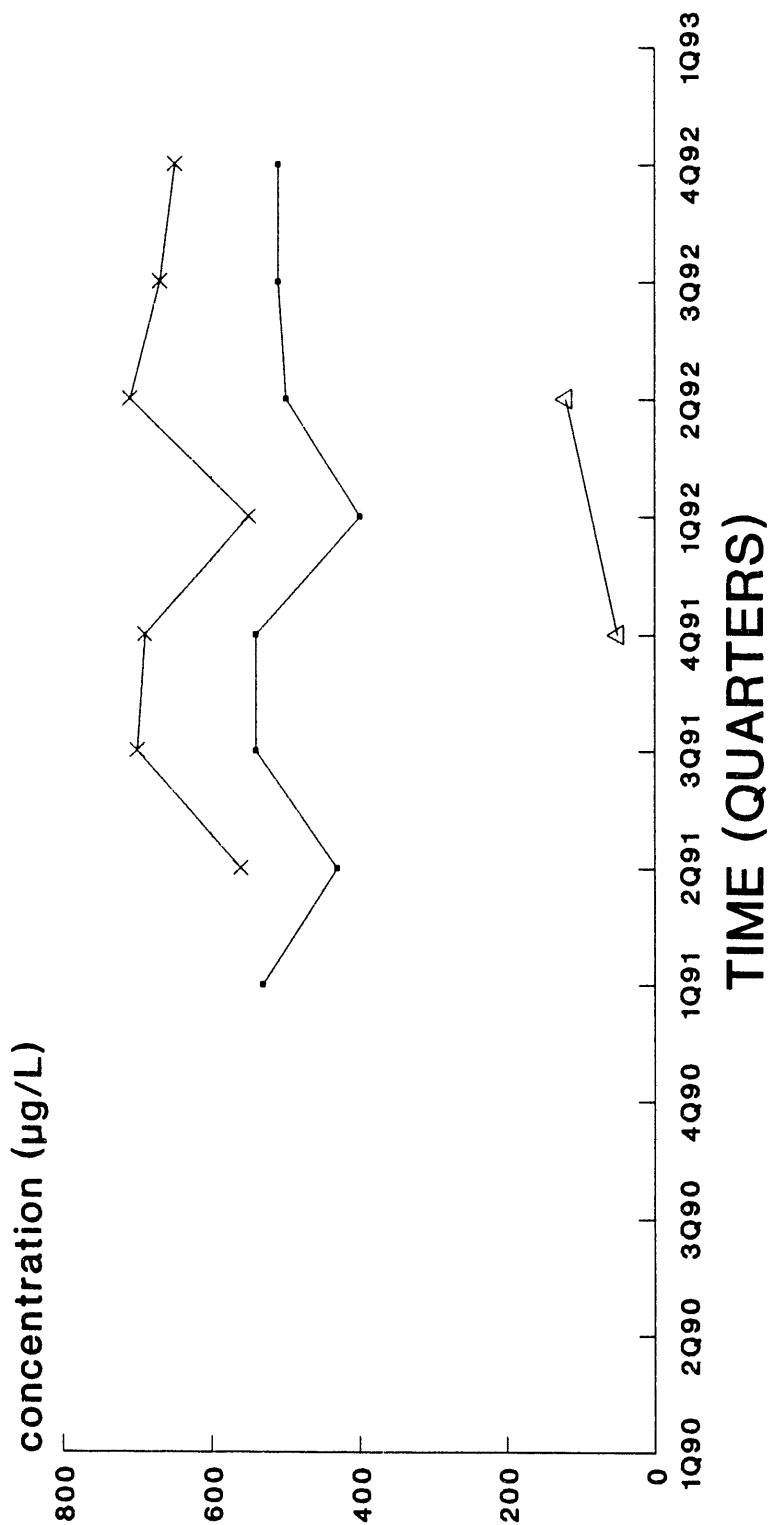


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB146

## Nitrate-Nitrite as Nitrogen

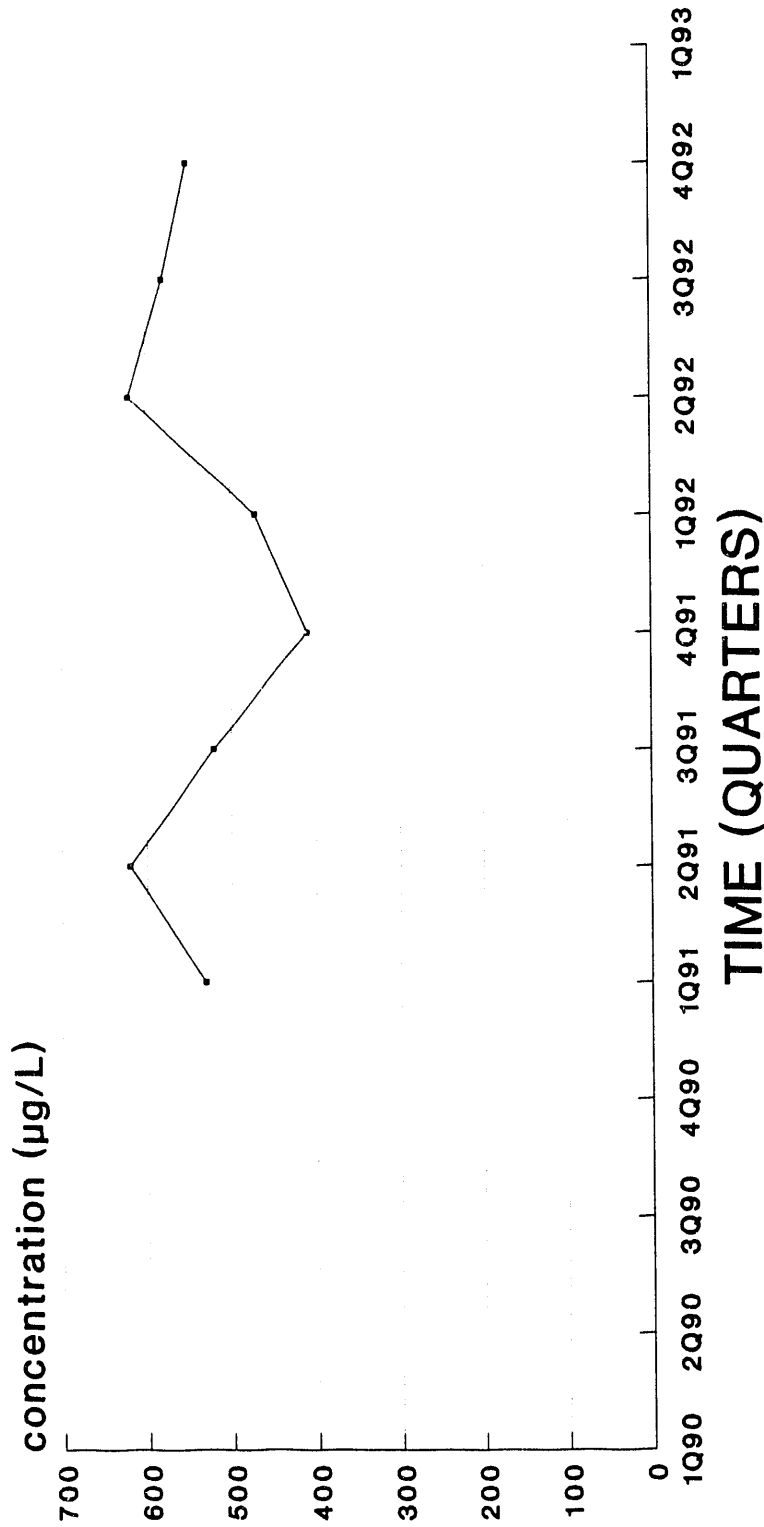


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)    —△— U. CONGAREE (IIA)

PDWS 10,000 µg/L  
 empty space denotes no data or dry well

# HSB147D

## Nitrate-Nitrite as Nitrogen

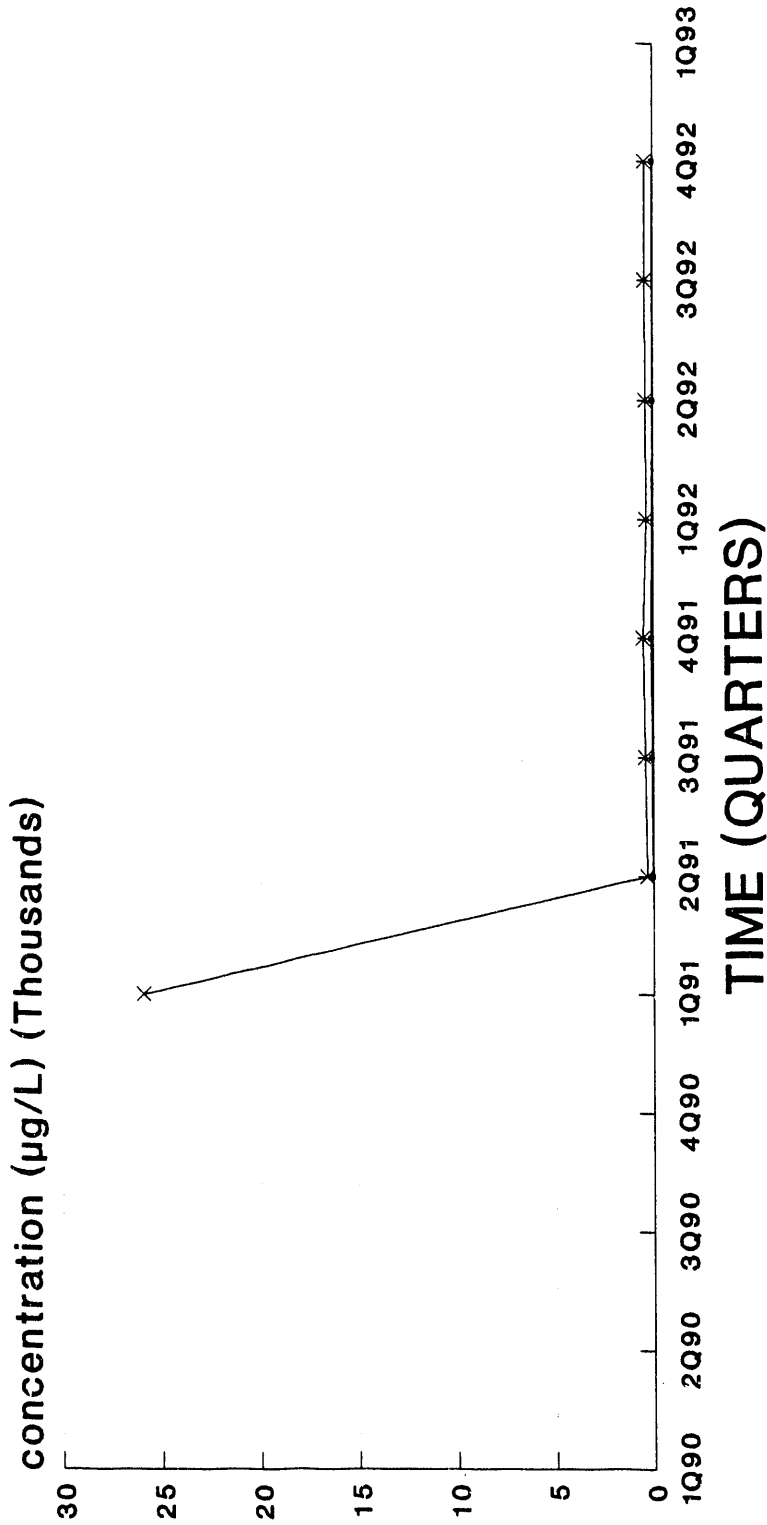


— WATER TABLE (IIB2)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB148

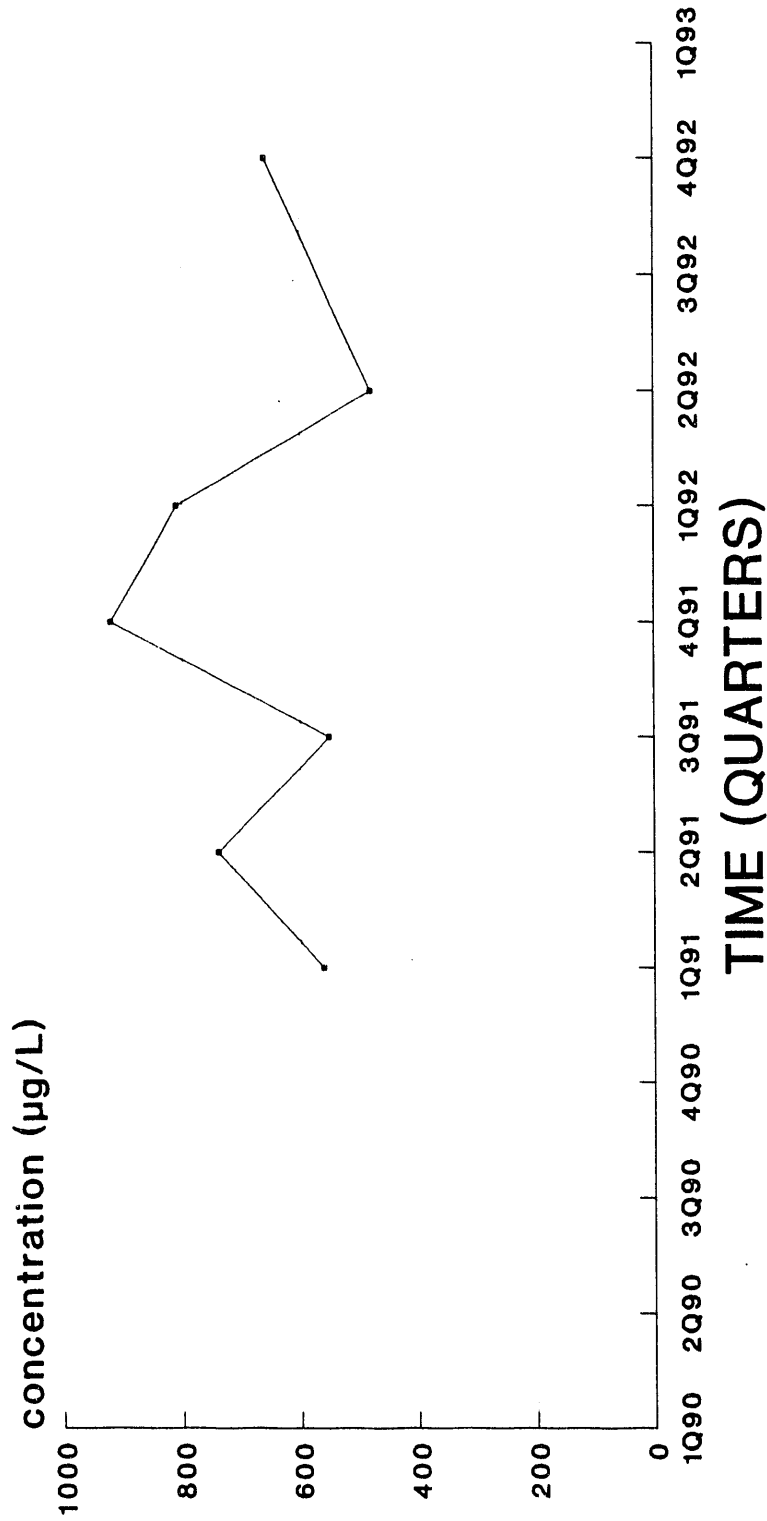
## Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L  
empty space denotes no data or dry well

# HSB149D

## Nitrate-Nitrite as Nitrogen

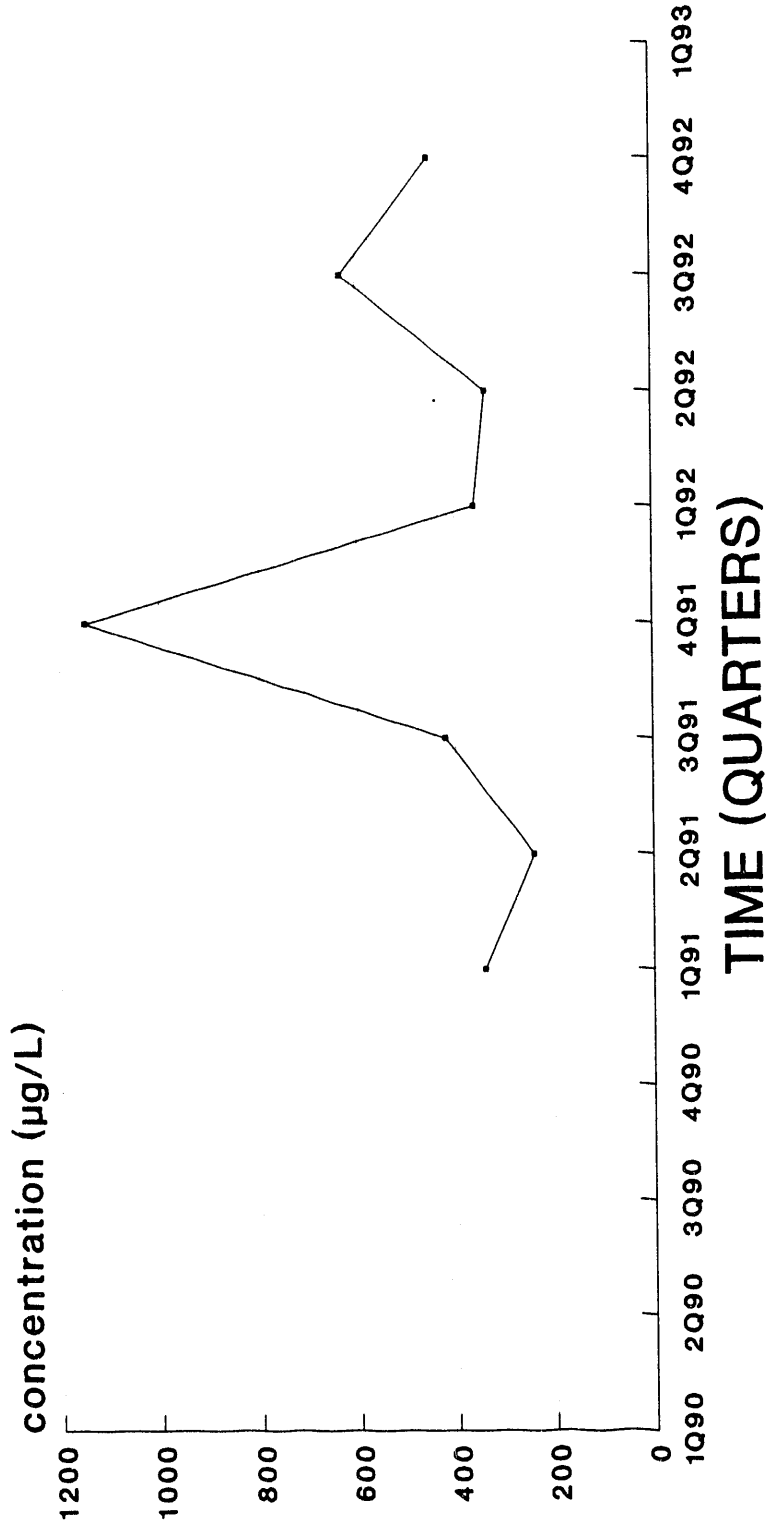


WATER TABLE (IIB2)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# HSB150D

## Nitrate-Nitrite as Nitrogen

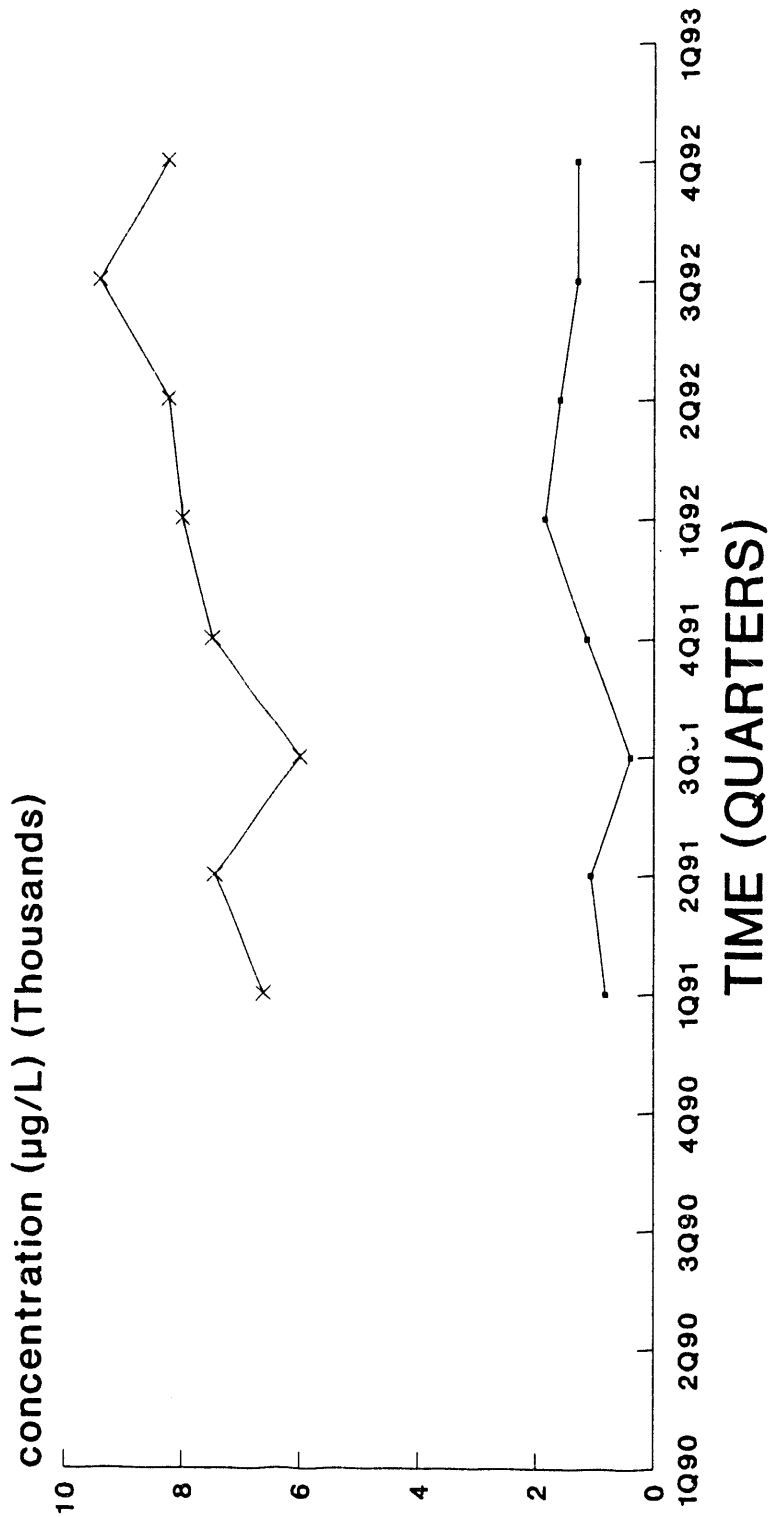


--- WATER TABLE (IIB2)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB151

## Nitrate-Nitrite as Nitrogen

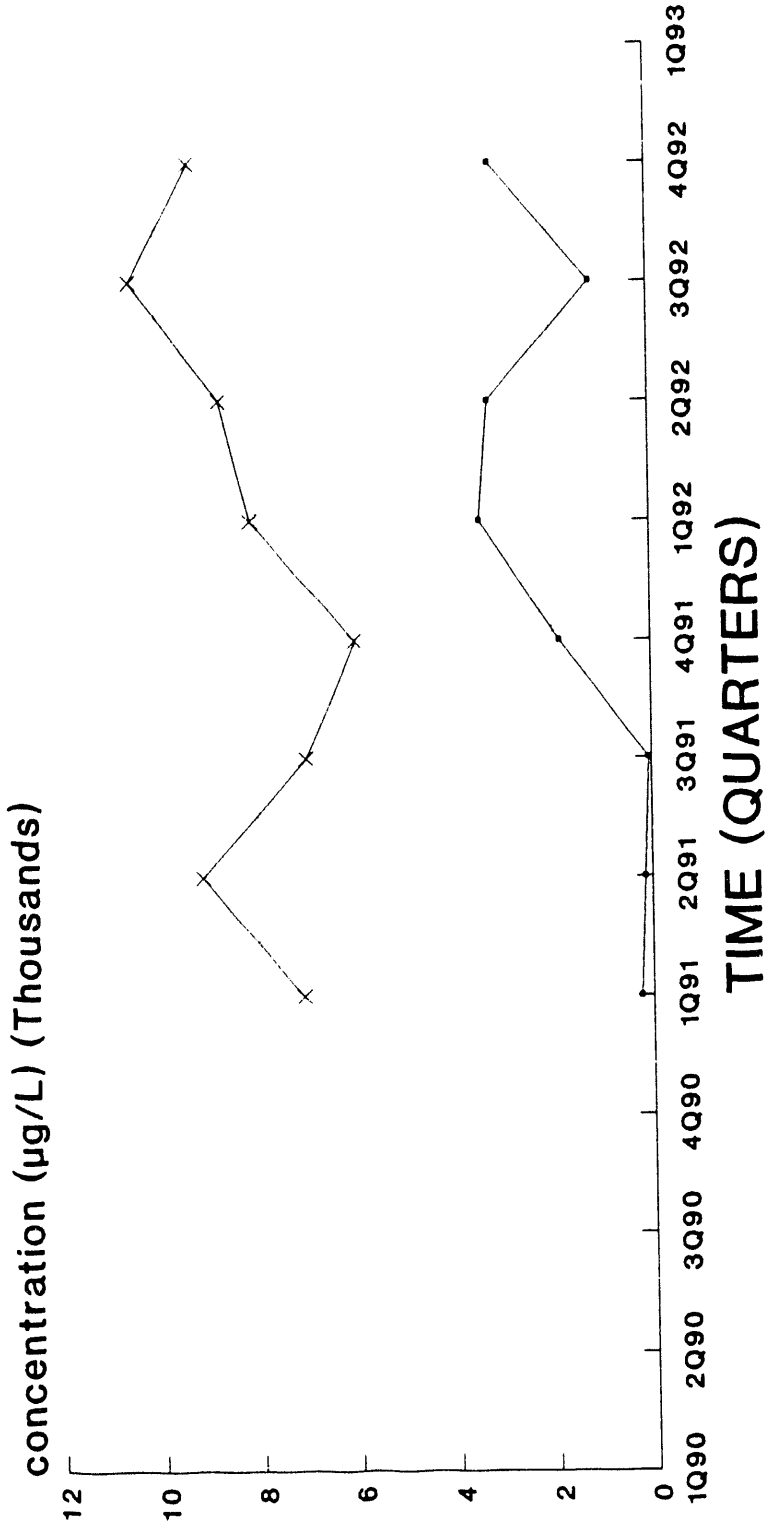


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

# CLUSTER - HSB152

## Nitrate-Nitrite as Nitrogen

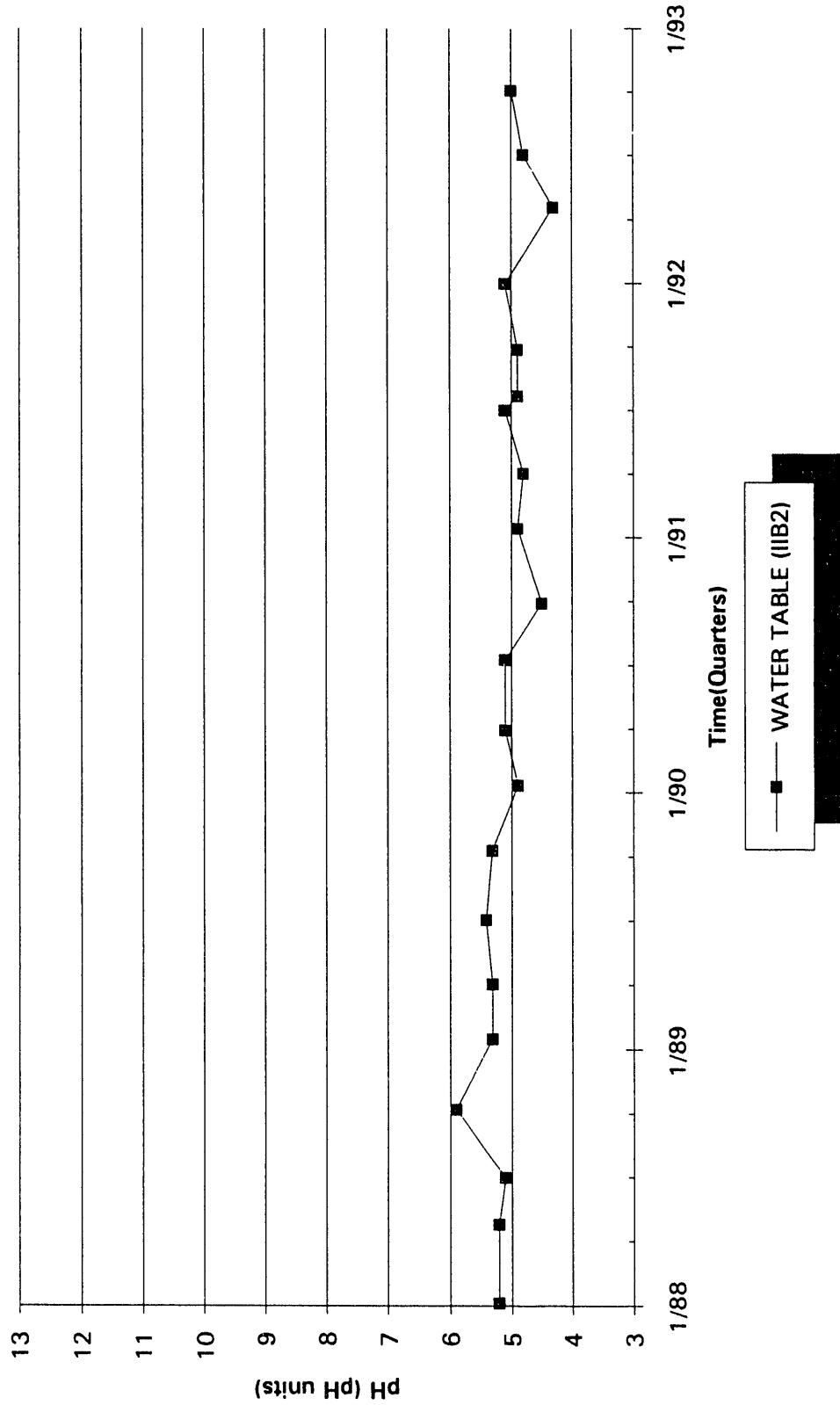


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 10,000 µg/L  
empty space denotes no data or dry well

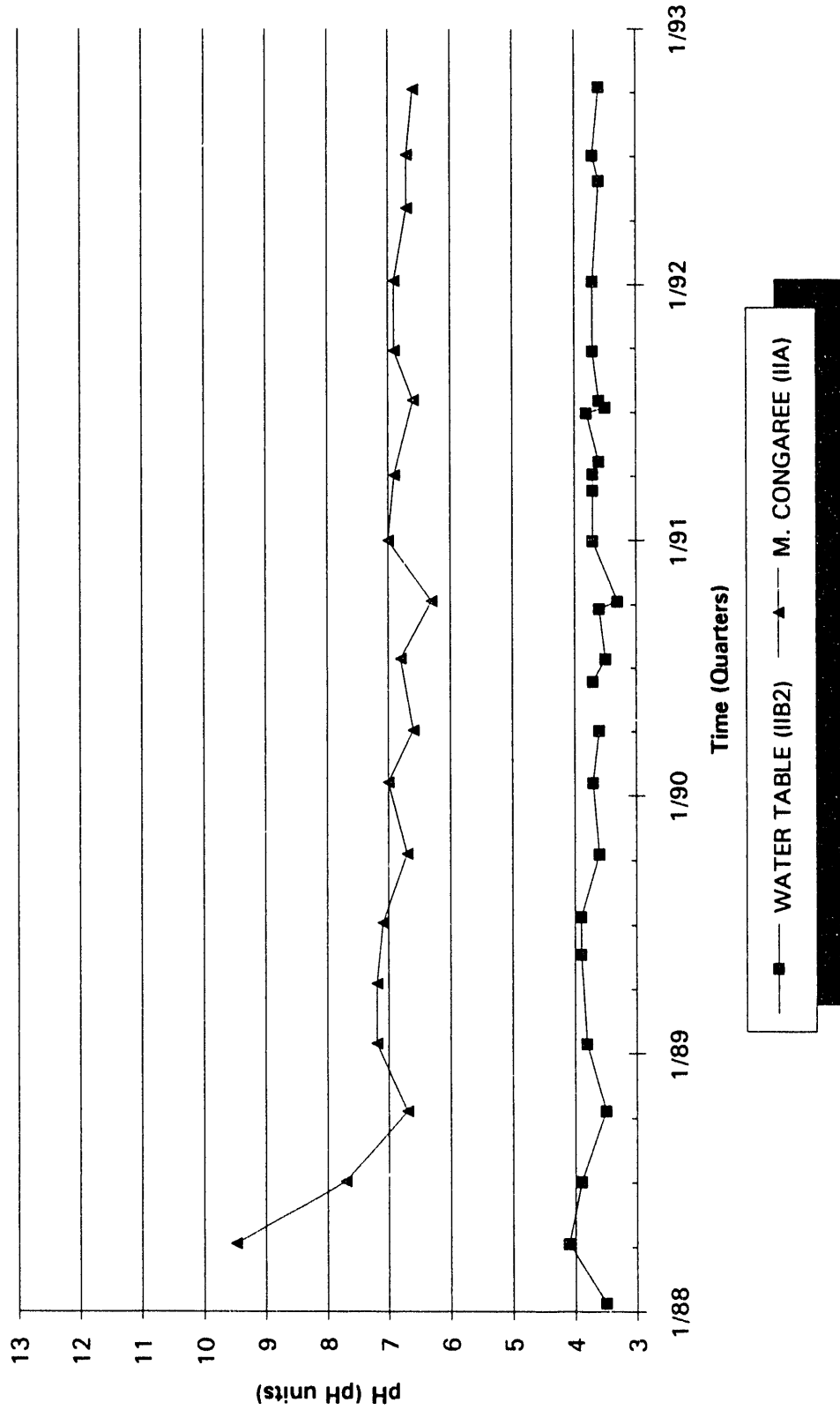


# HSB 66 pH



Breaks in lines indicate no data available.

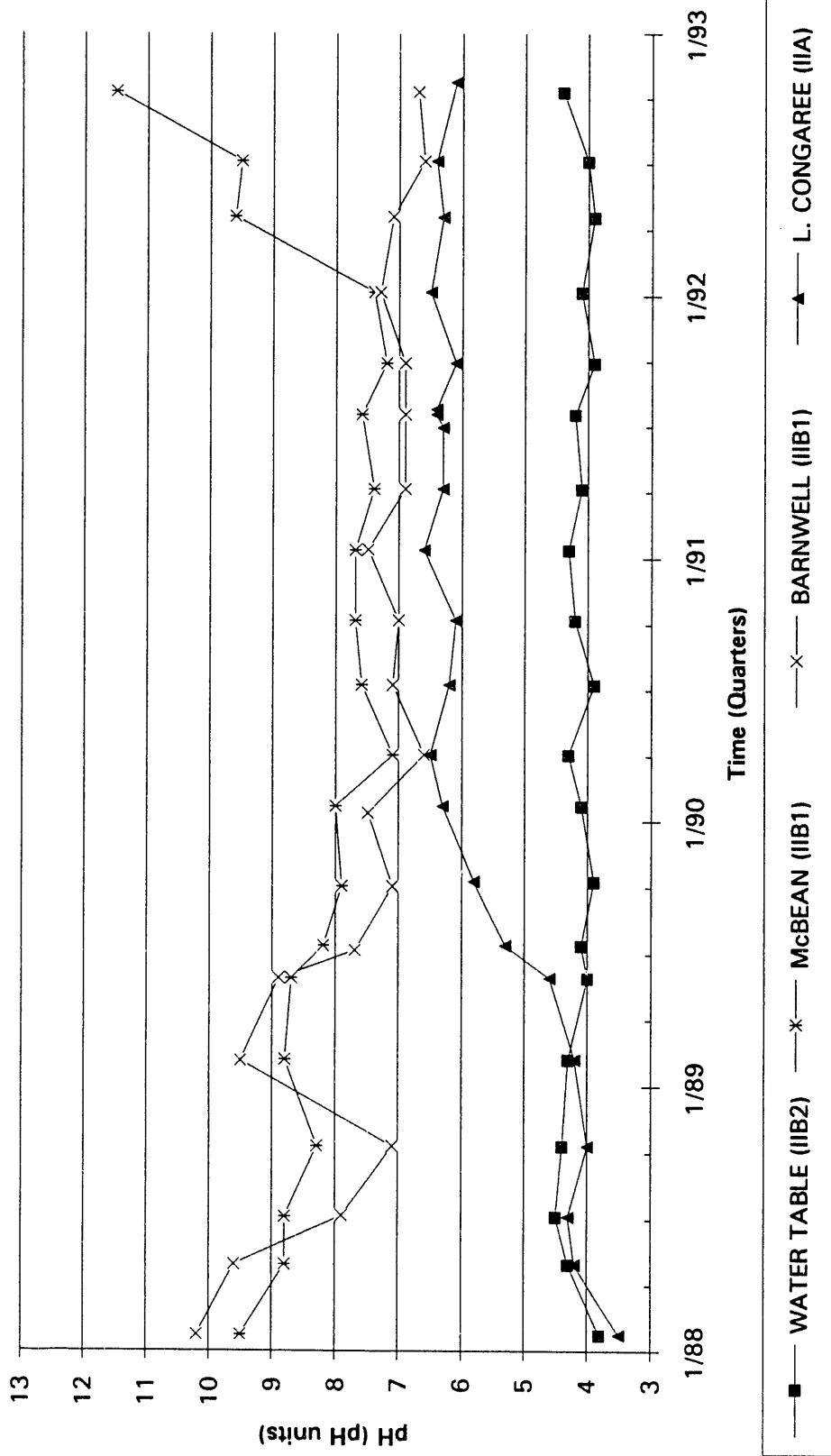
# CLUSTER - HSB 69 pH



Breaks in lines indicate no data available.

# CLUSTER - HSB 84

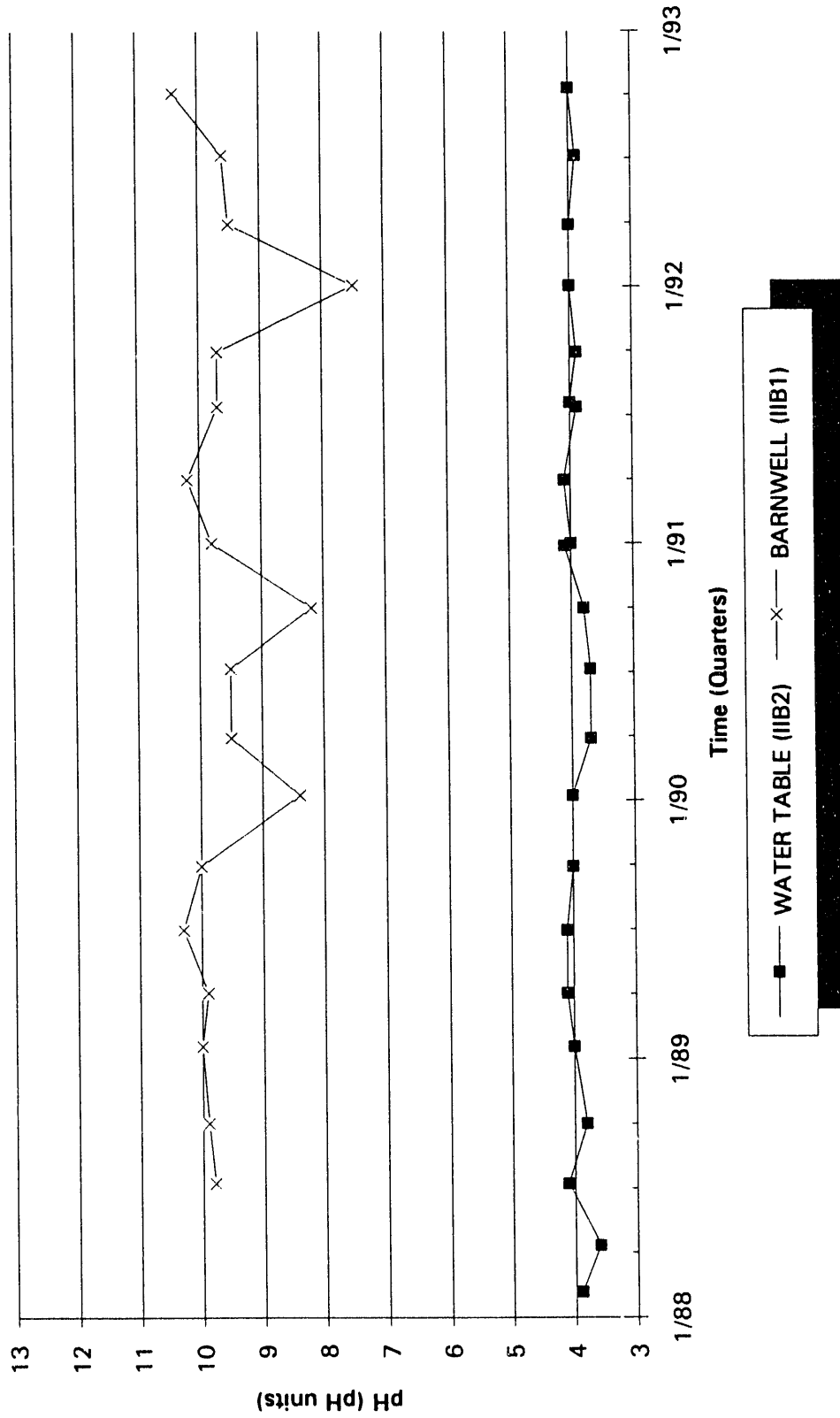
## pH



Breaks in lines indicate no data available.

# CLUSTER - HSB 104

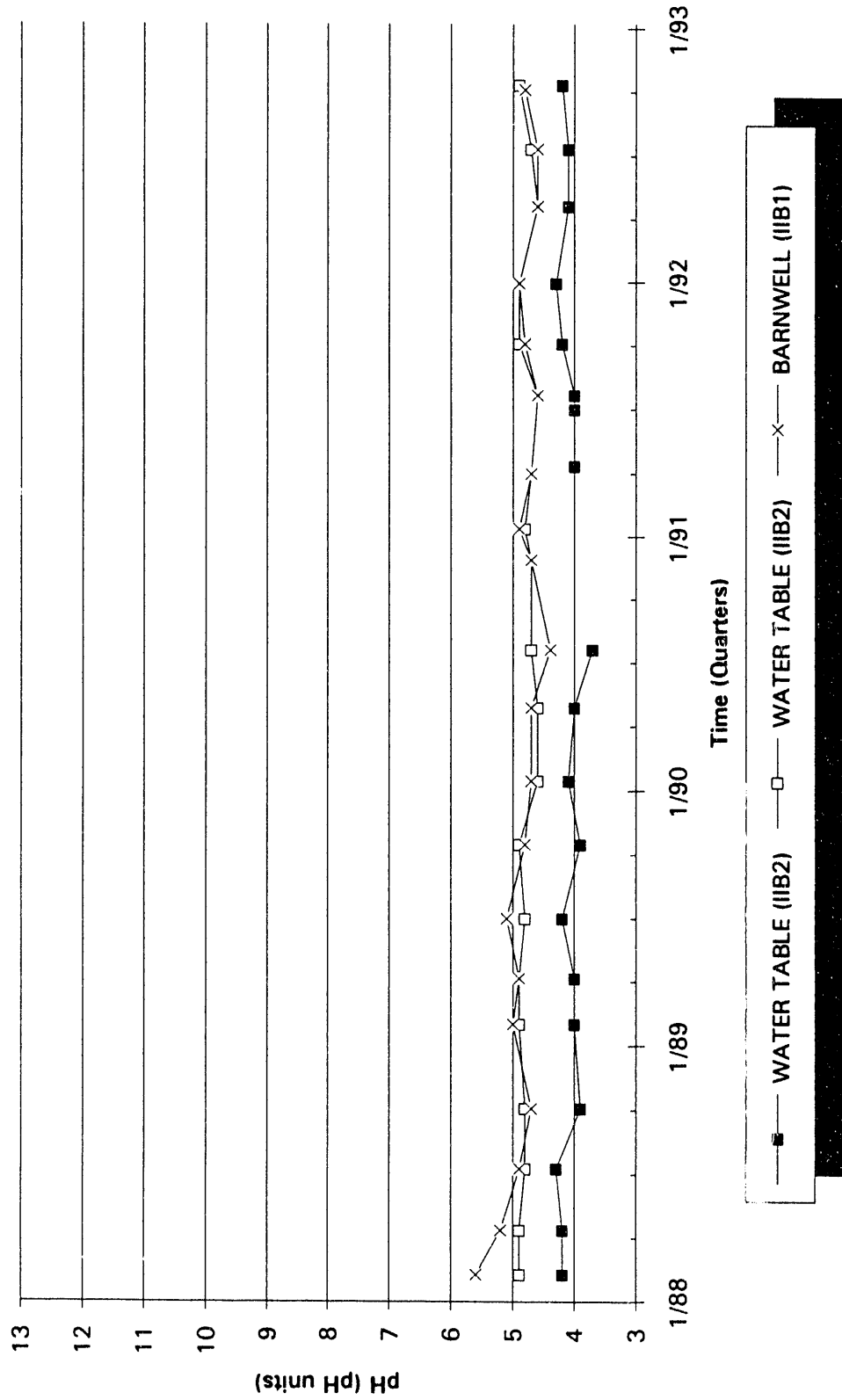
## pH



Breaks in lines indicate no data available.

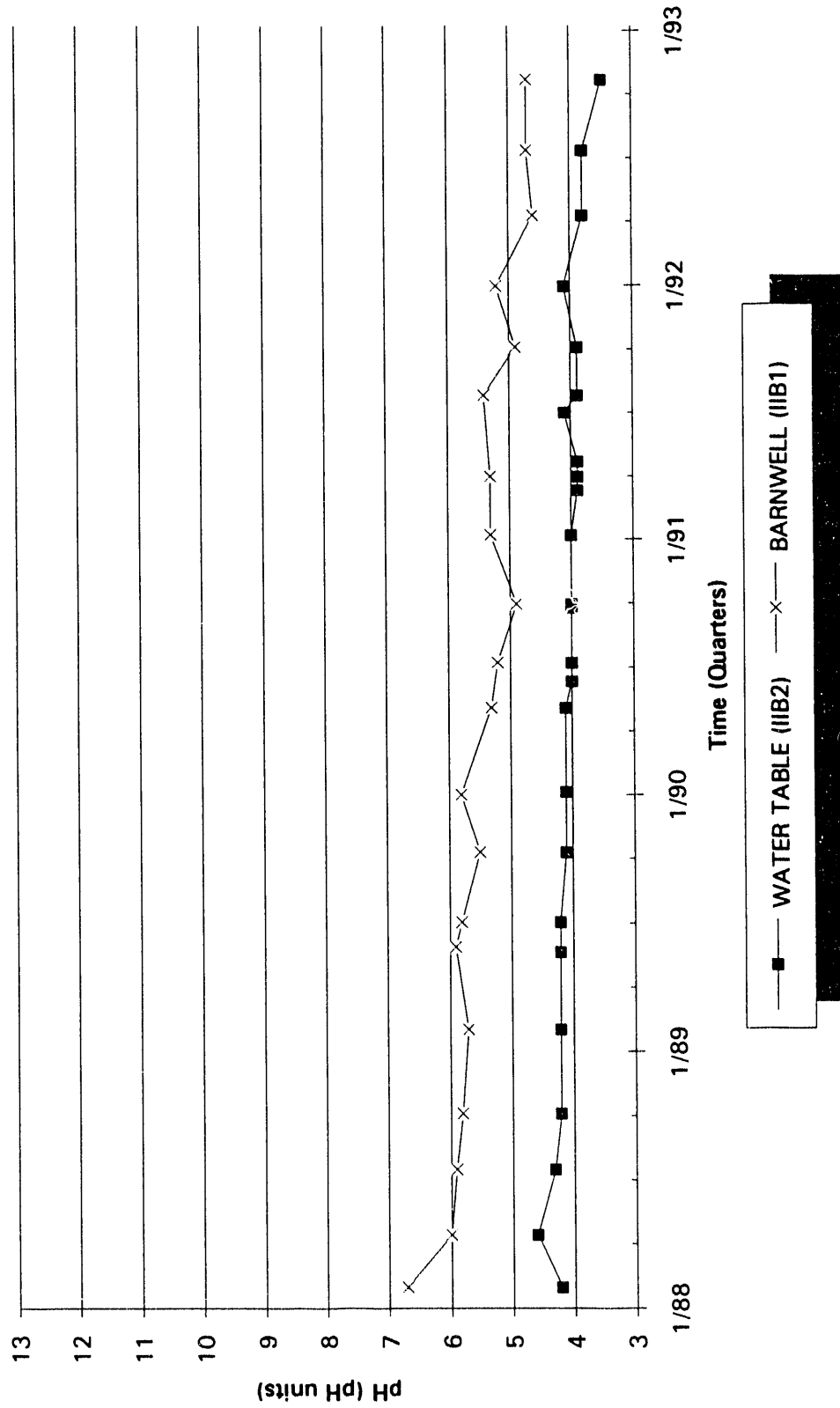
# CLUSTER - HSB 111

## pH



Breaks in lines indicate no data available.

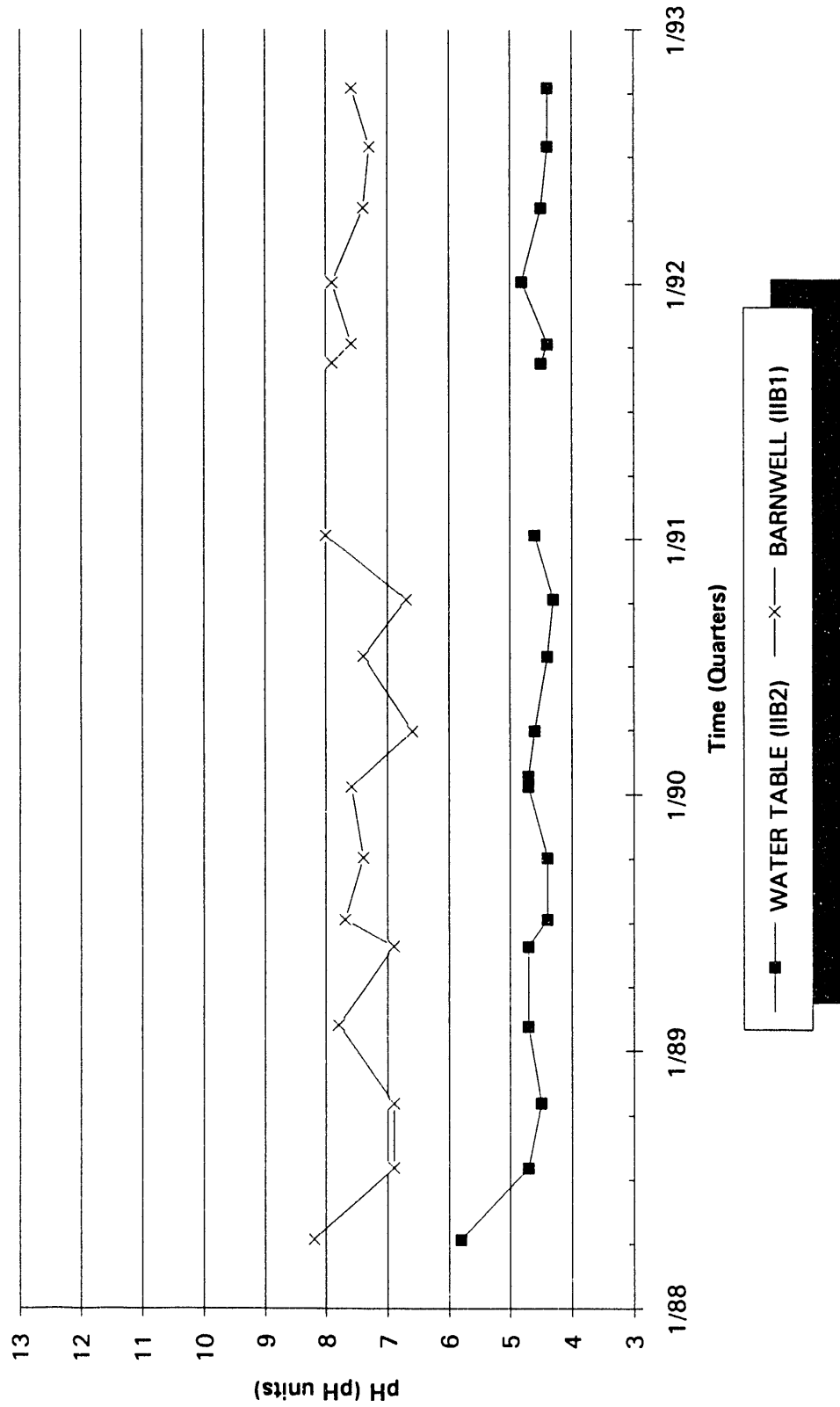
# CLUSTER - HSB 116 pH



Breaks in lines indicate no data available.

# CLUSTER - HSB 126

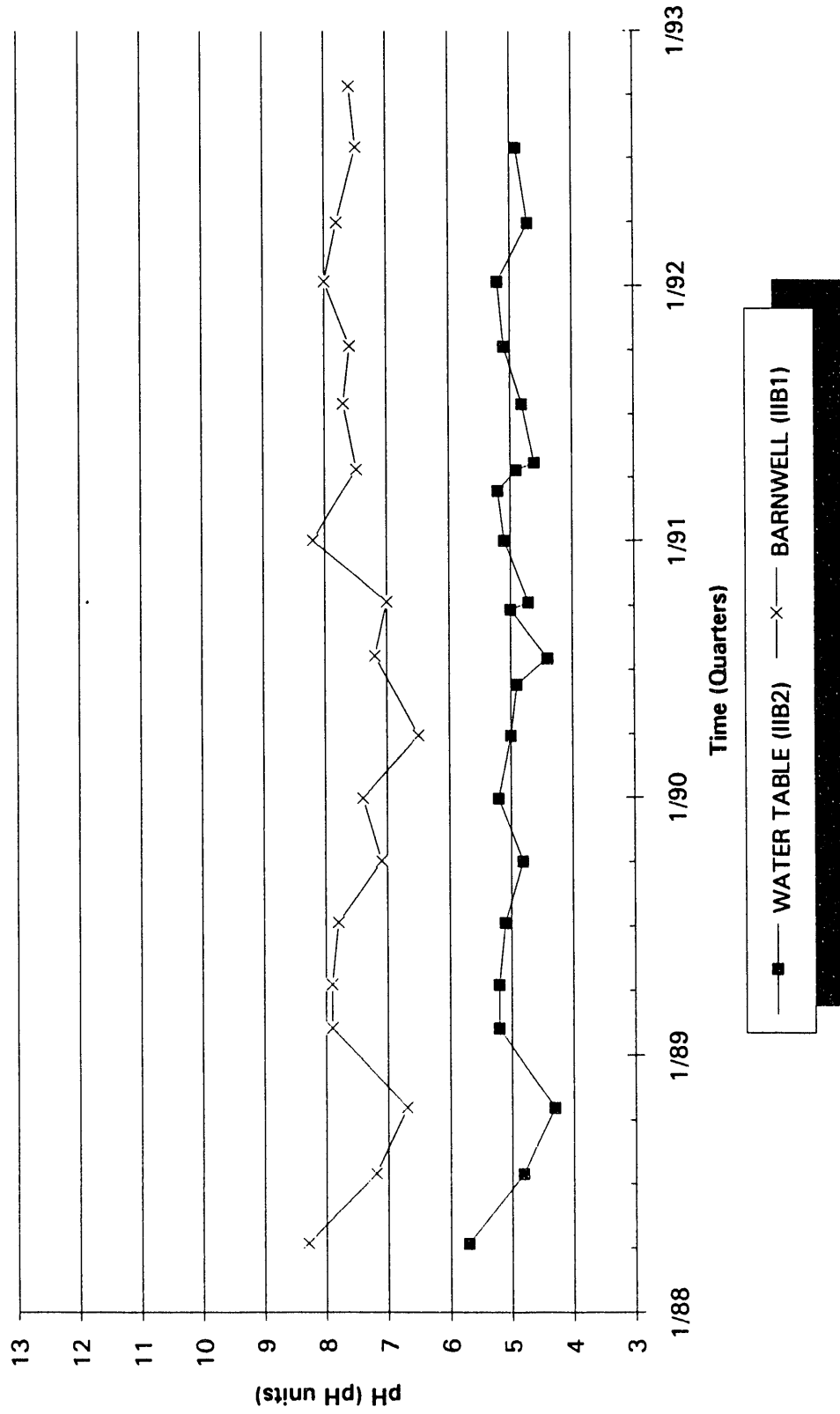
## pH



Breaks in lines indicate no data available.

# CLUSTER - HSB 131

## pH

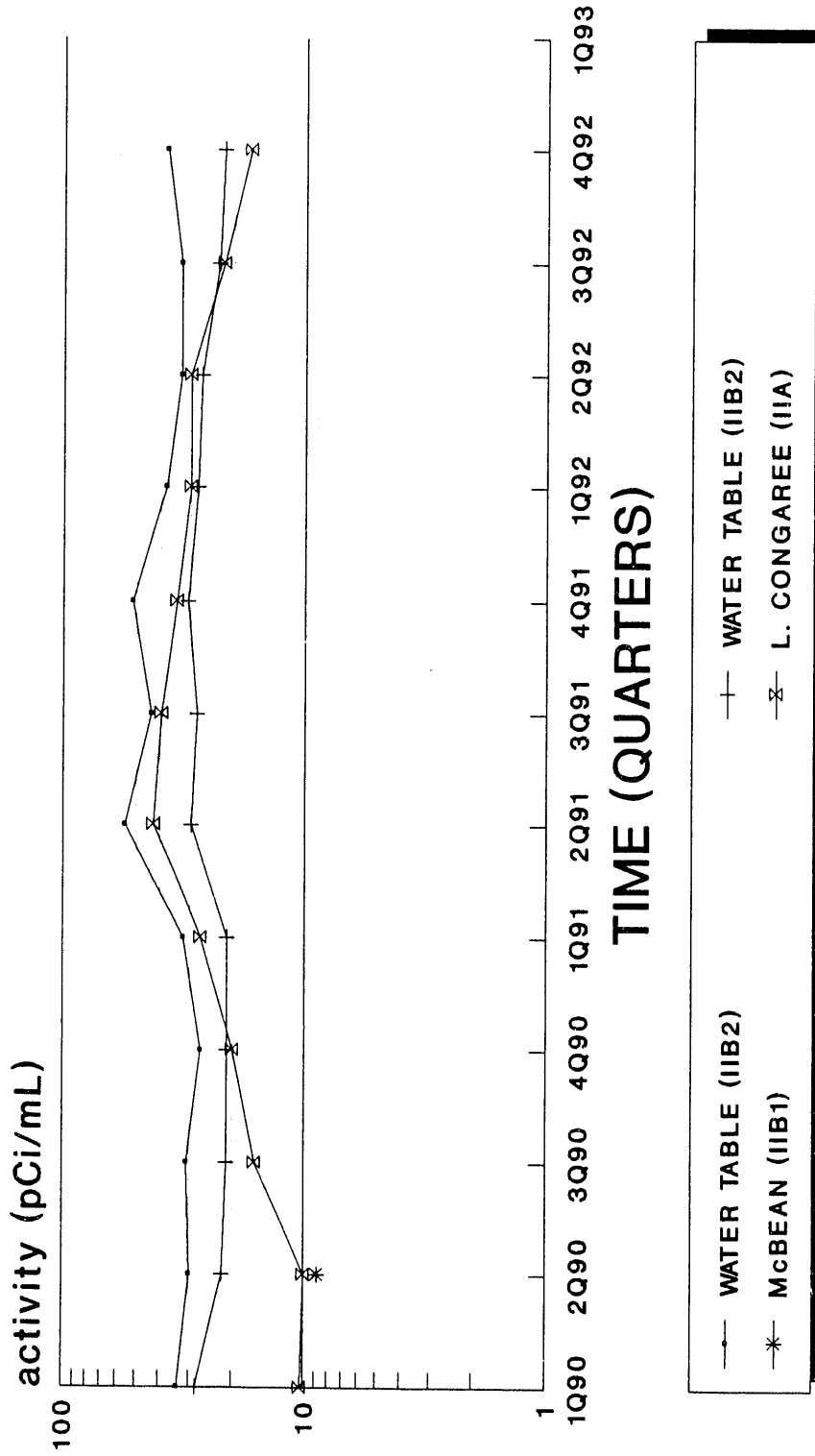


Breaks in lines indicate no data available.



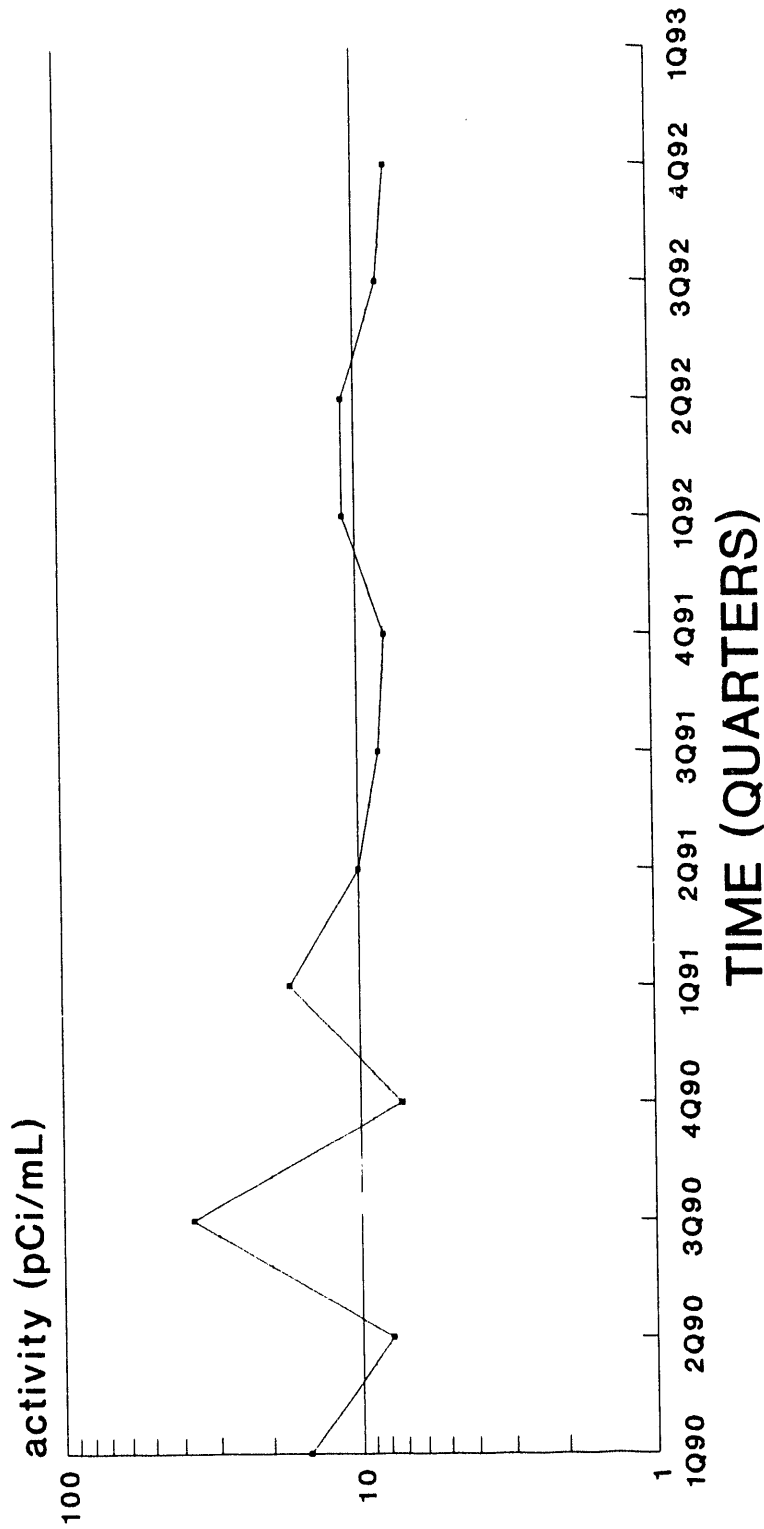
# CLUSTER - HSB 65

## Tritium



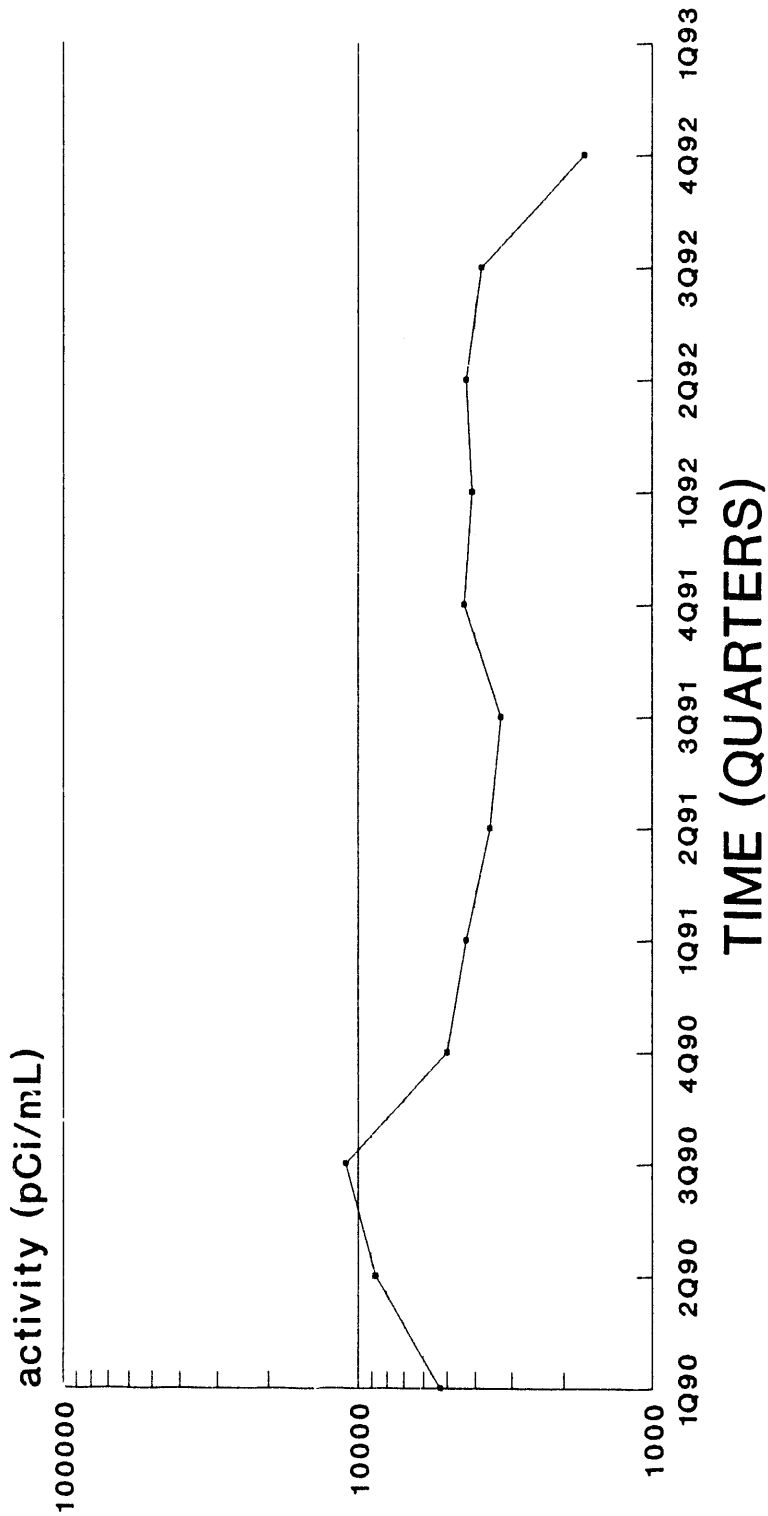
PDWS ≥ 20 pCi/mL  
 empty space denotes no data or dry well  
 1st water table: HSB 65; 2nd: HSB 65C

# HSB 66 Tritium



PDWS 20 pCi/mL  
empty space denotes no data or dry well

# HSB 67 Tritium

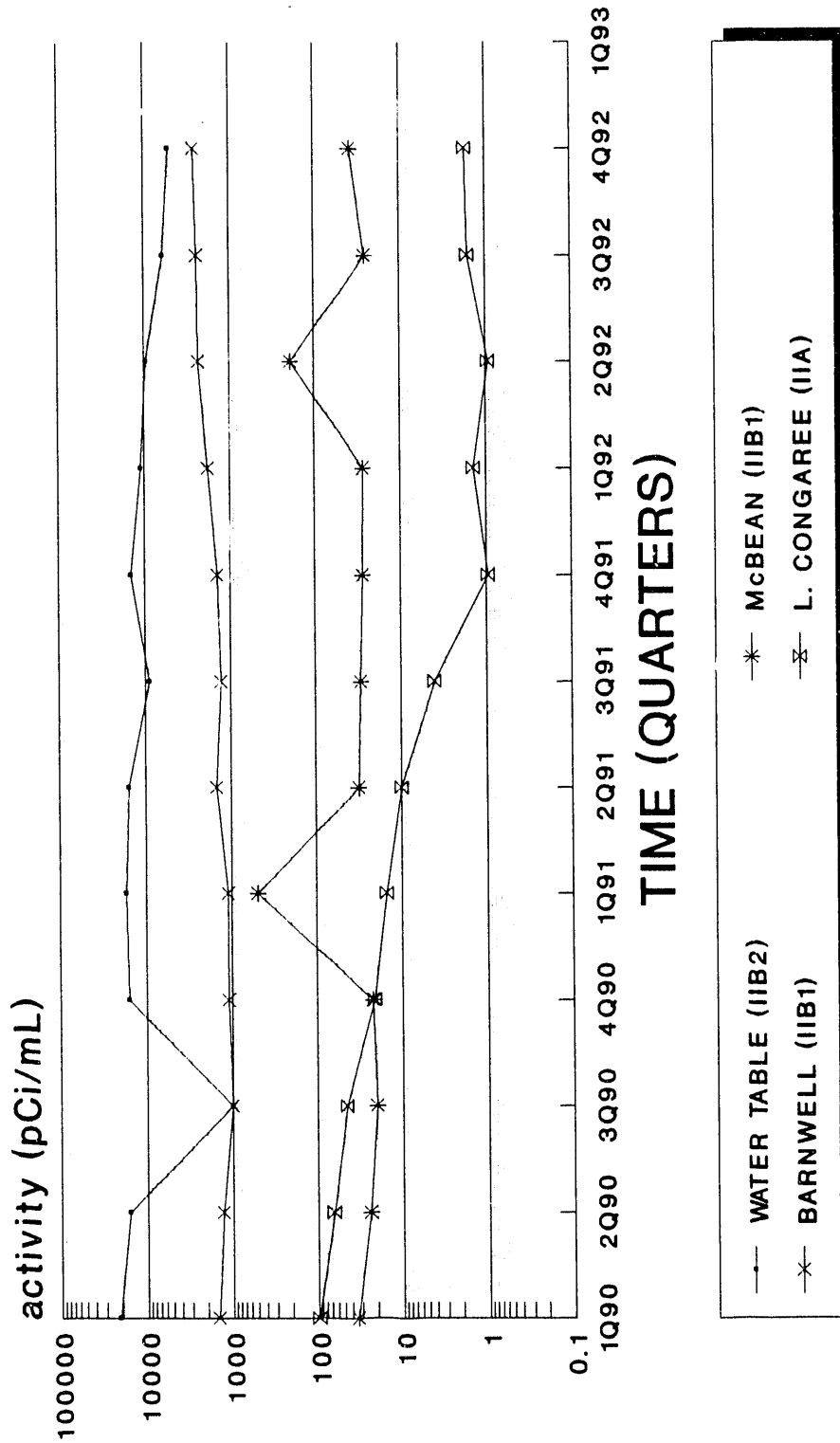


WATER TABLE (IIB2)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

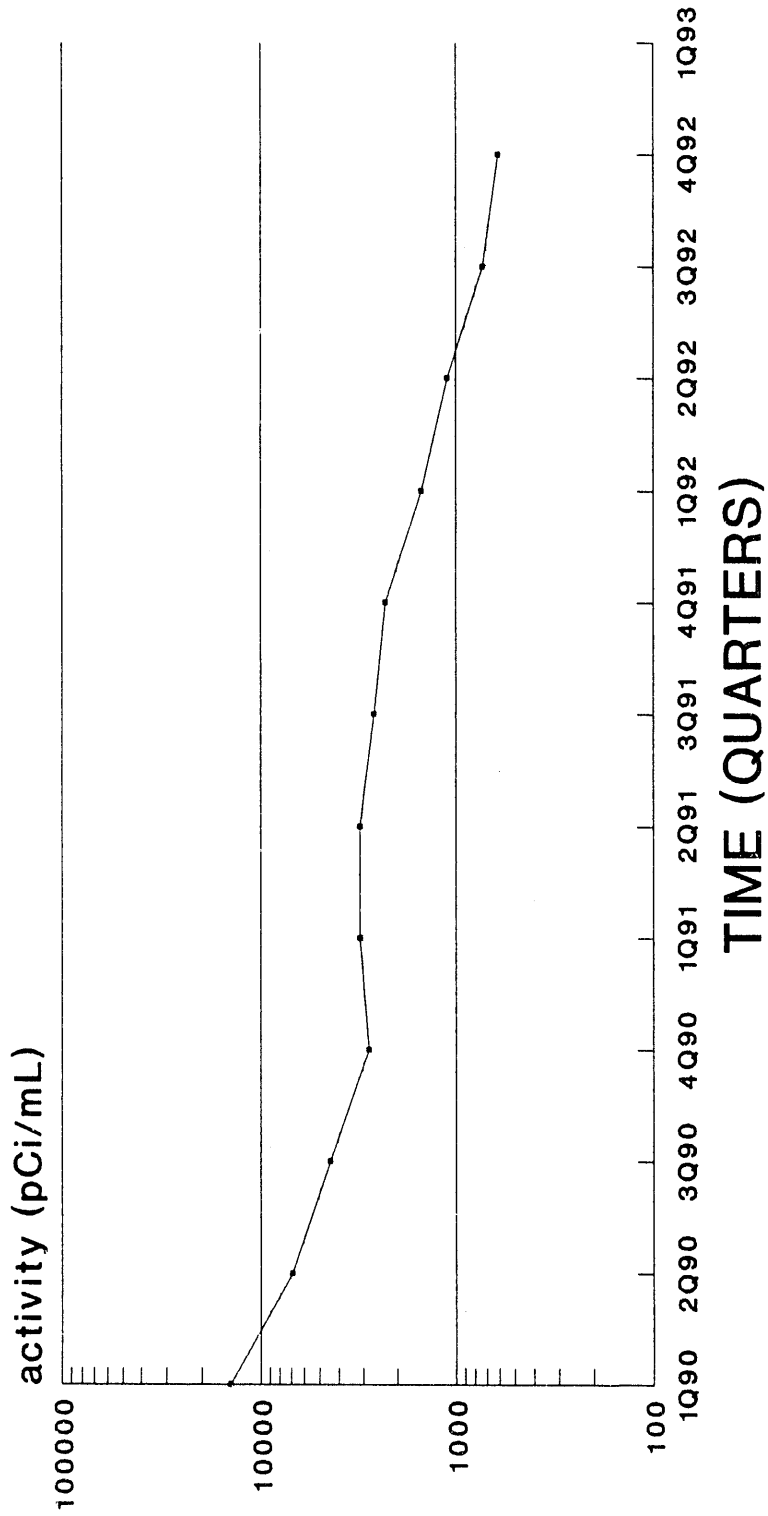
# CLUSTER - HSB 68

## Tritium



PDWS 20 pCi/mL  
empty space denotes no data or dry well

# HSB 69 Tritium

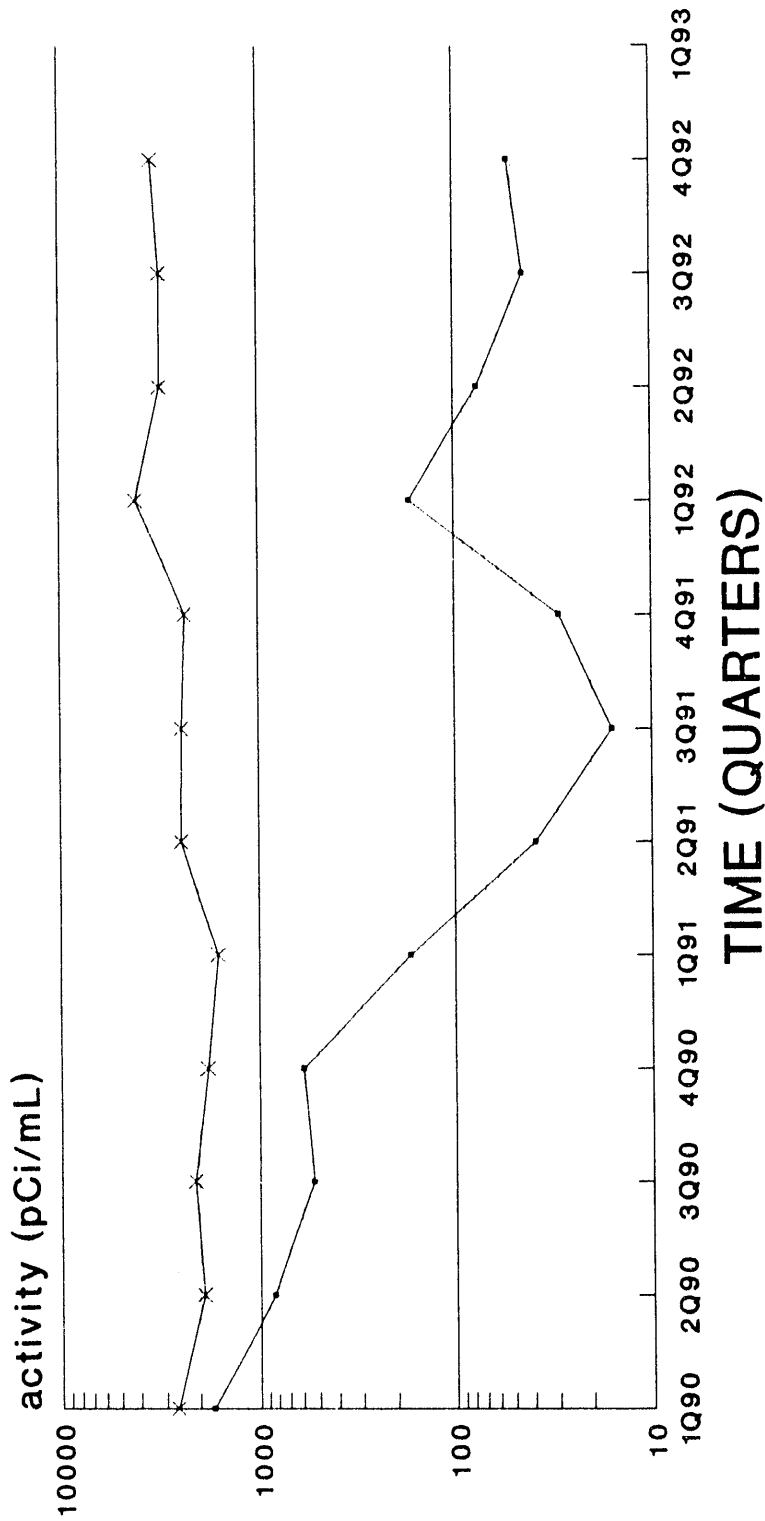


--- WATER TABLE (IIB2)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB 70

## Tritium

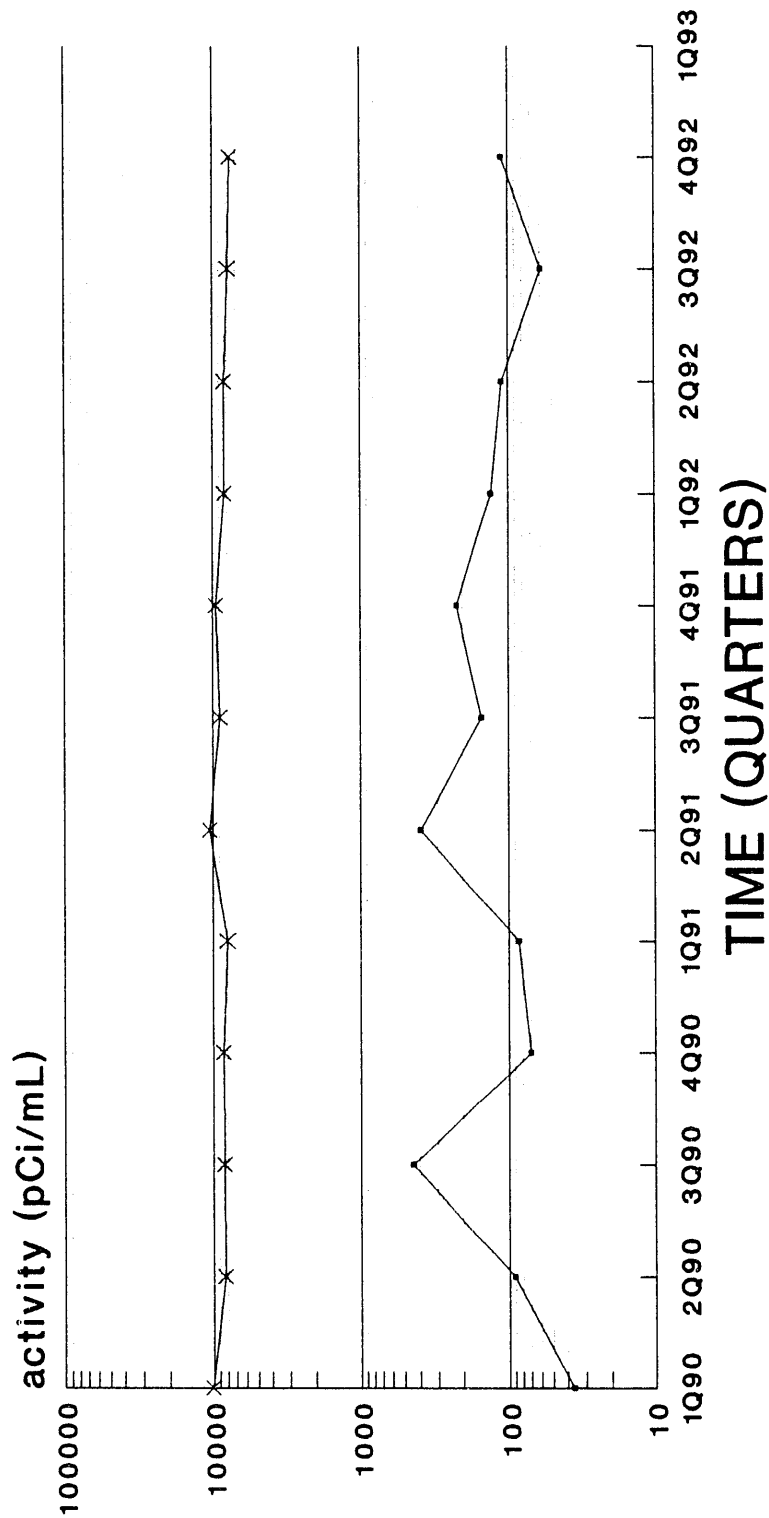


—•— WATER TABLE (IIB2) —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB 71

## Tritium

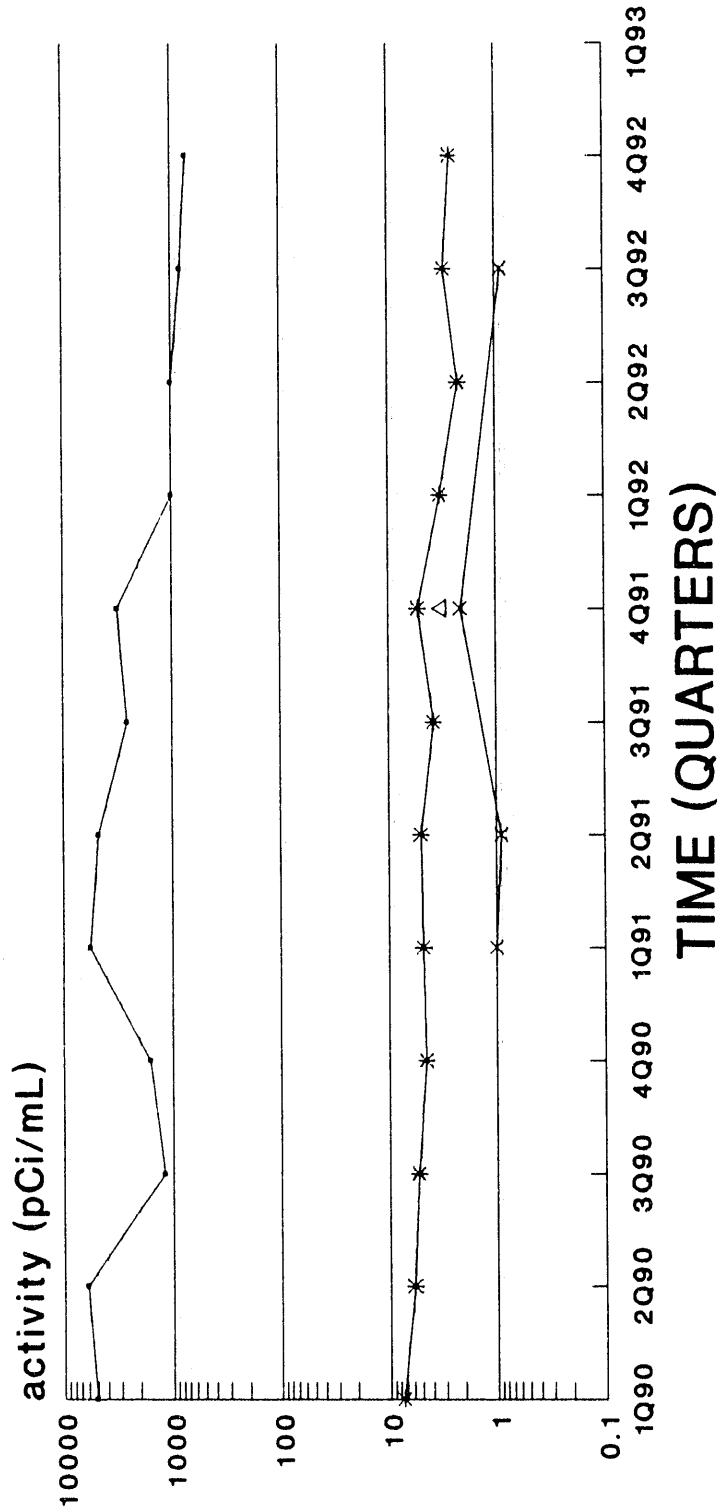


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB 83

## Tritium



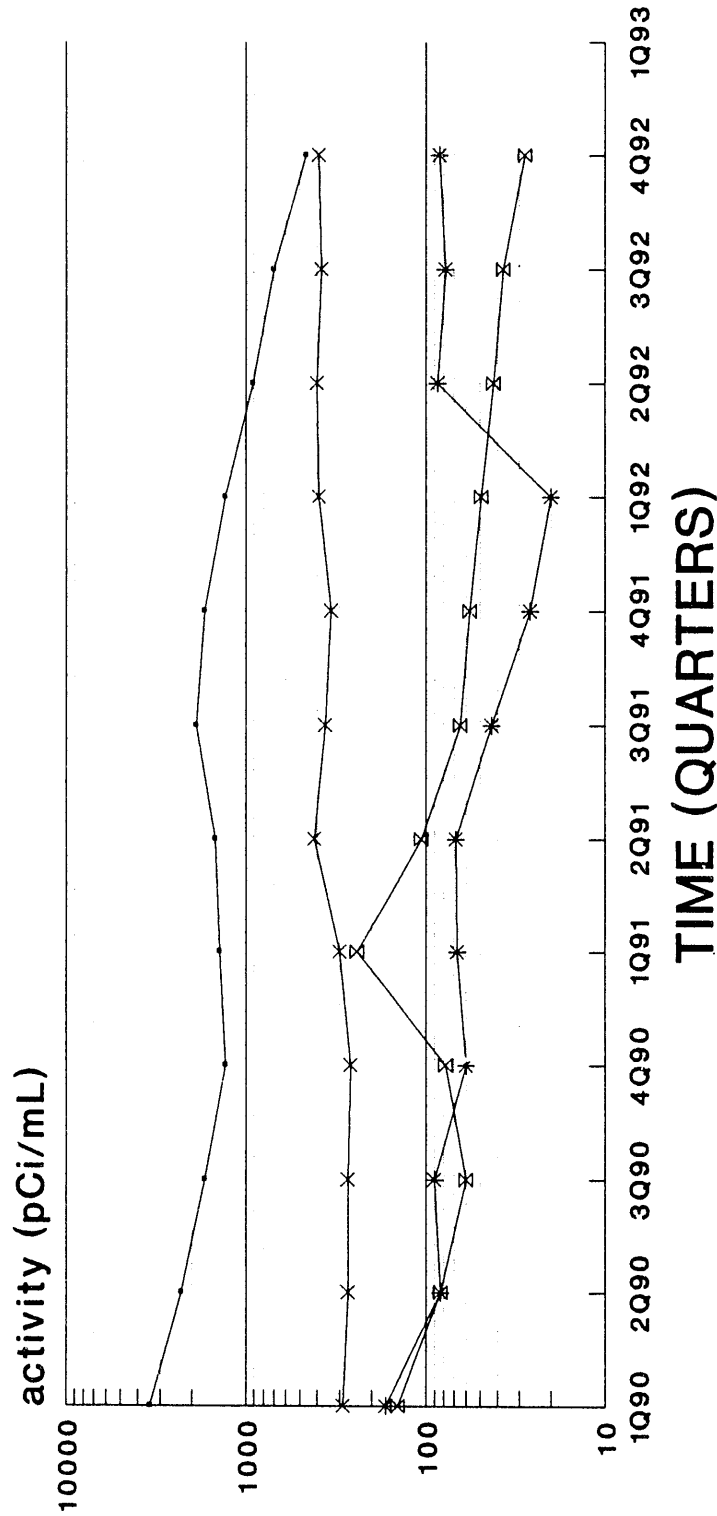
—●— WATER TABLE (IIB2)      \*— McBEAN (IIB1)  
 —\*— BARNWELL (IIB1)      —△— M.CONGAREE (IIA)

PDWS 20 pCi/mL  
empty space denotes no data or dry well



# CLUSTER - HSB 84

## Tritium

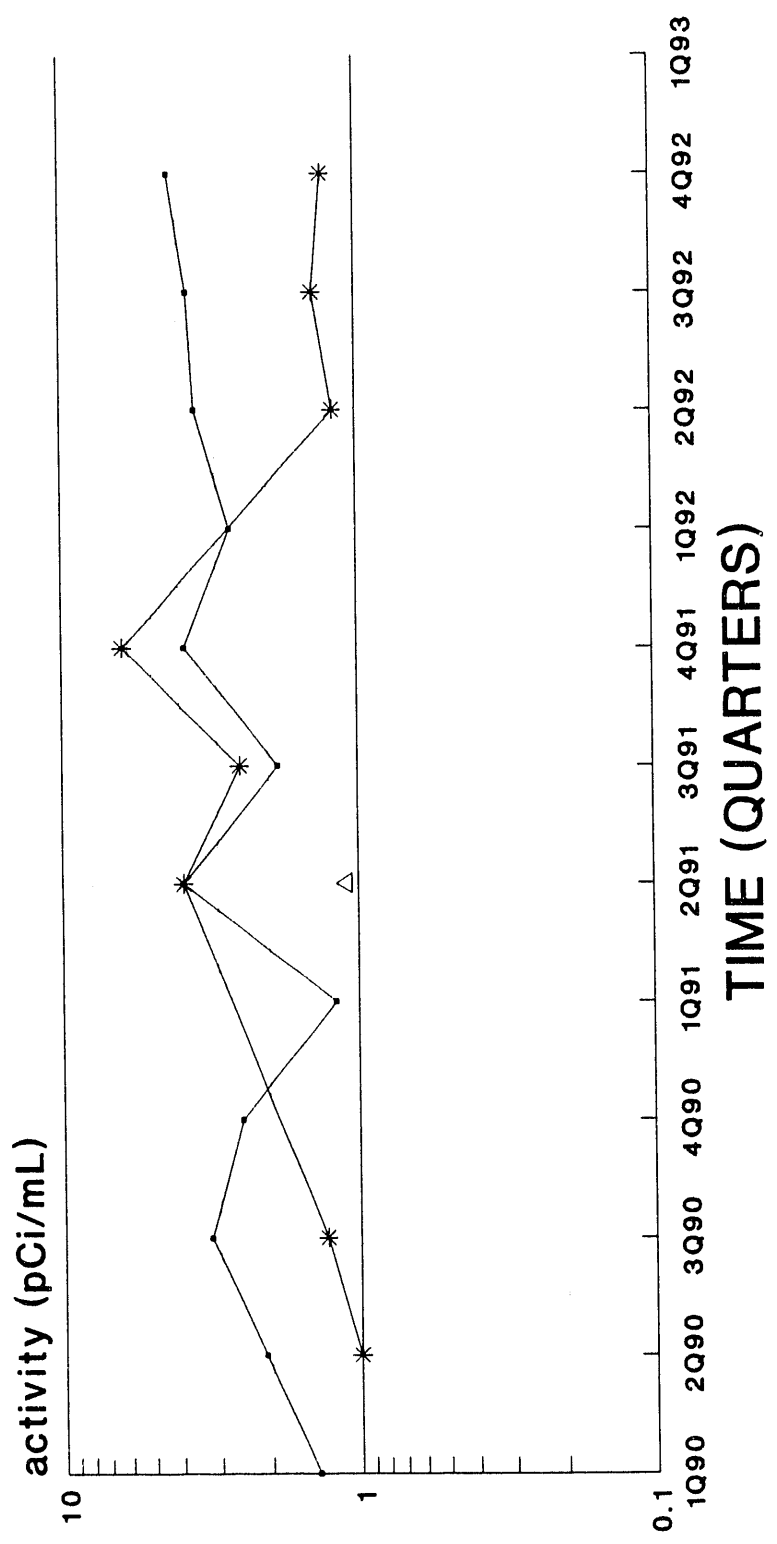


- WATER TABLE (IIB2)
- \*— McBEAN (IIB1)
- x— BARNWELL (IIB1)
- z— L. CONGAREE (IIA)

PDWS 20 pCi/mL  
 empty space denotes no data or dry well

# CLUSTER - HSB 85

## Tritium

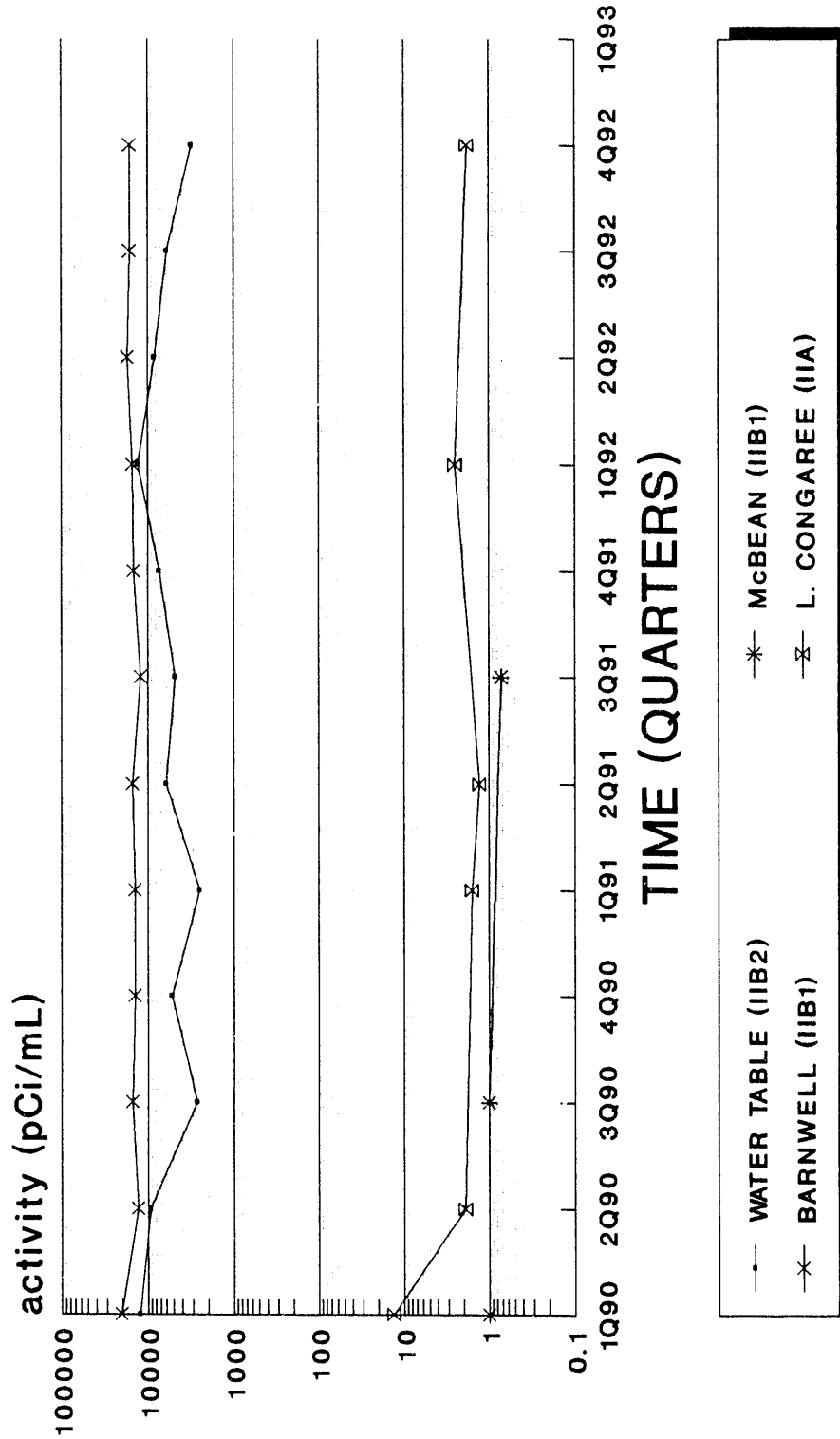


—●— WATER TABLE (IIB2)    \*— McBEAN (IIB1)    △— U. CONGAREE (IIA)

PDWS 20 pCi/mL  
 empty space denotes no data or dry well

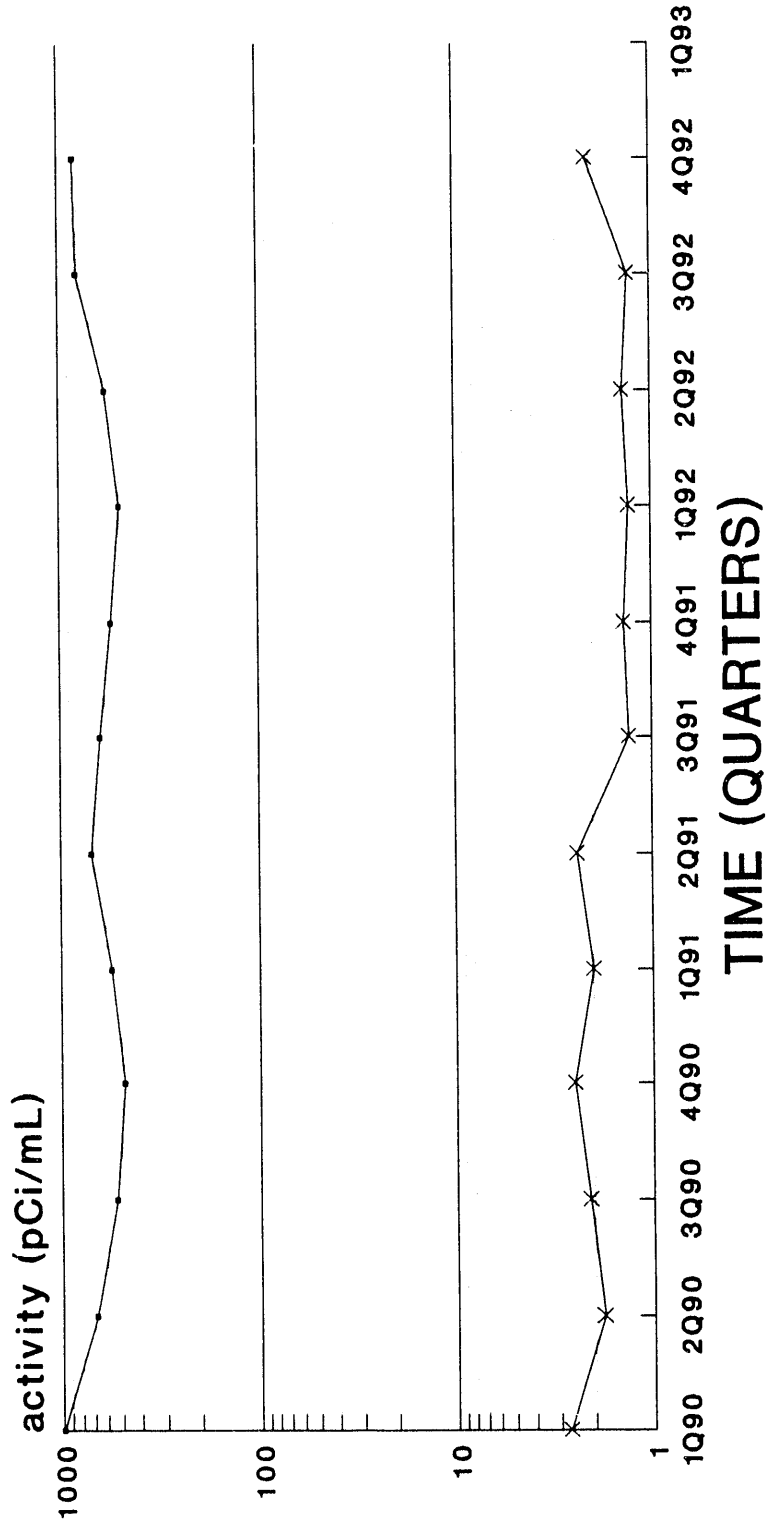
# CLUSTER - HSB 86

## Tritium



PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB100 Tritium

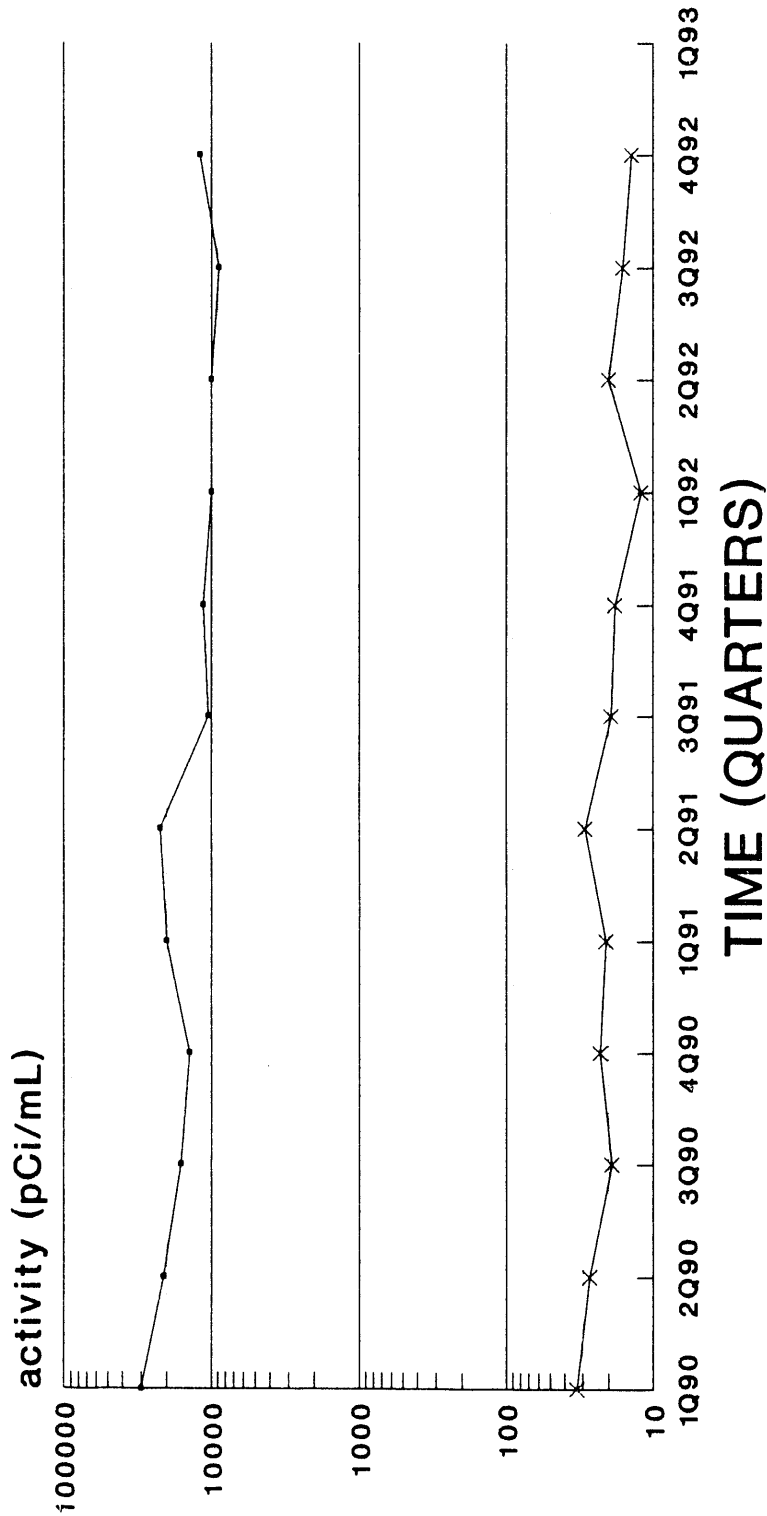


—●— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB101

## Tritium

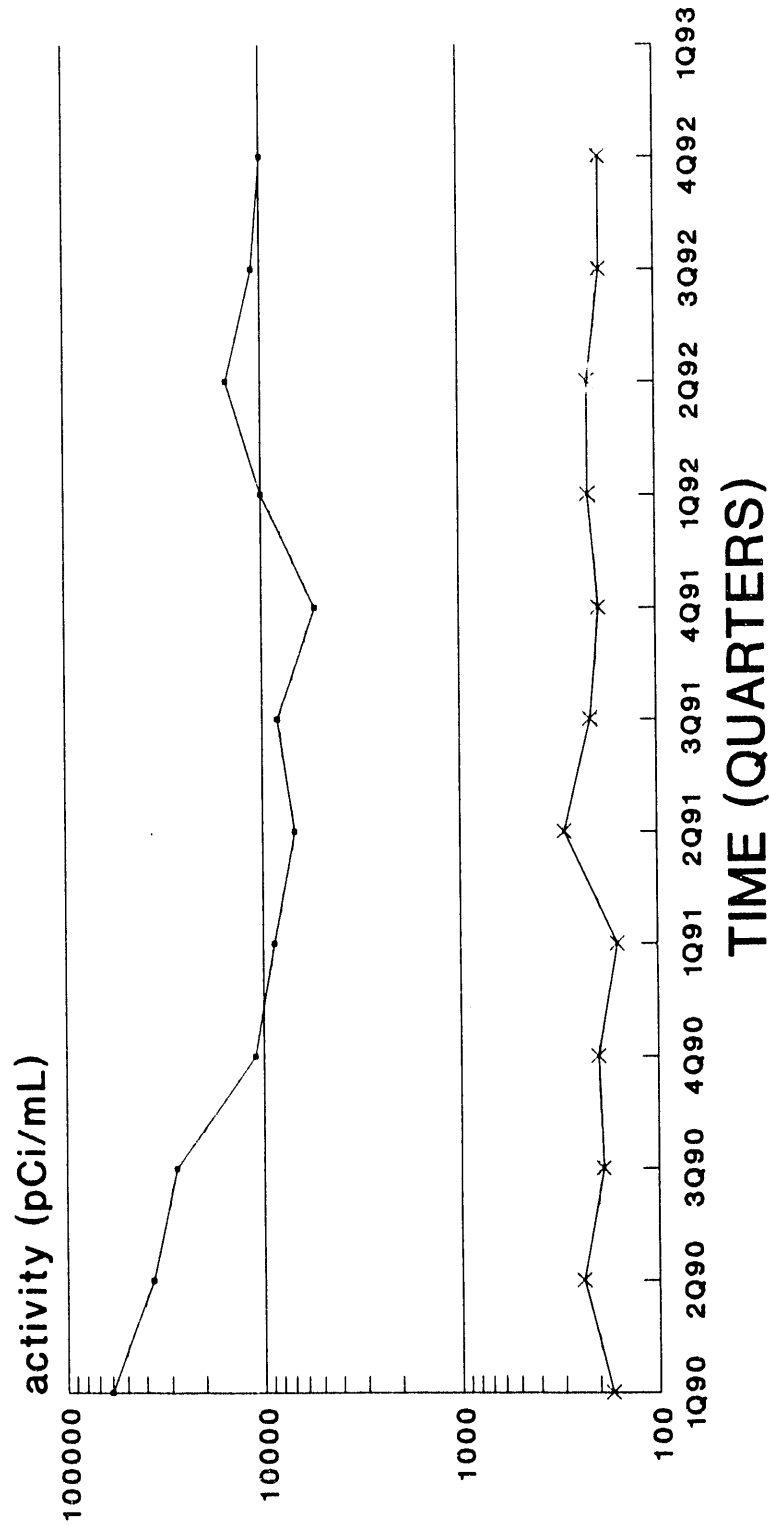


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB102

## Tritium

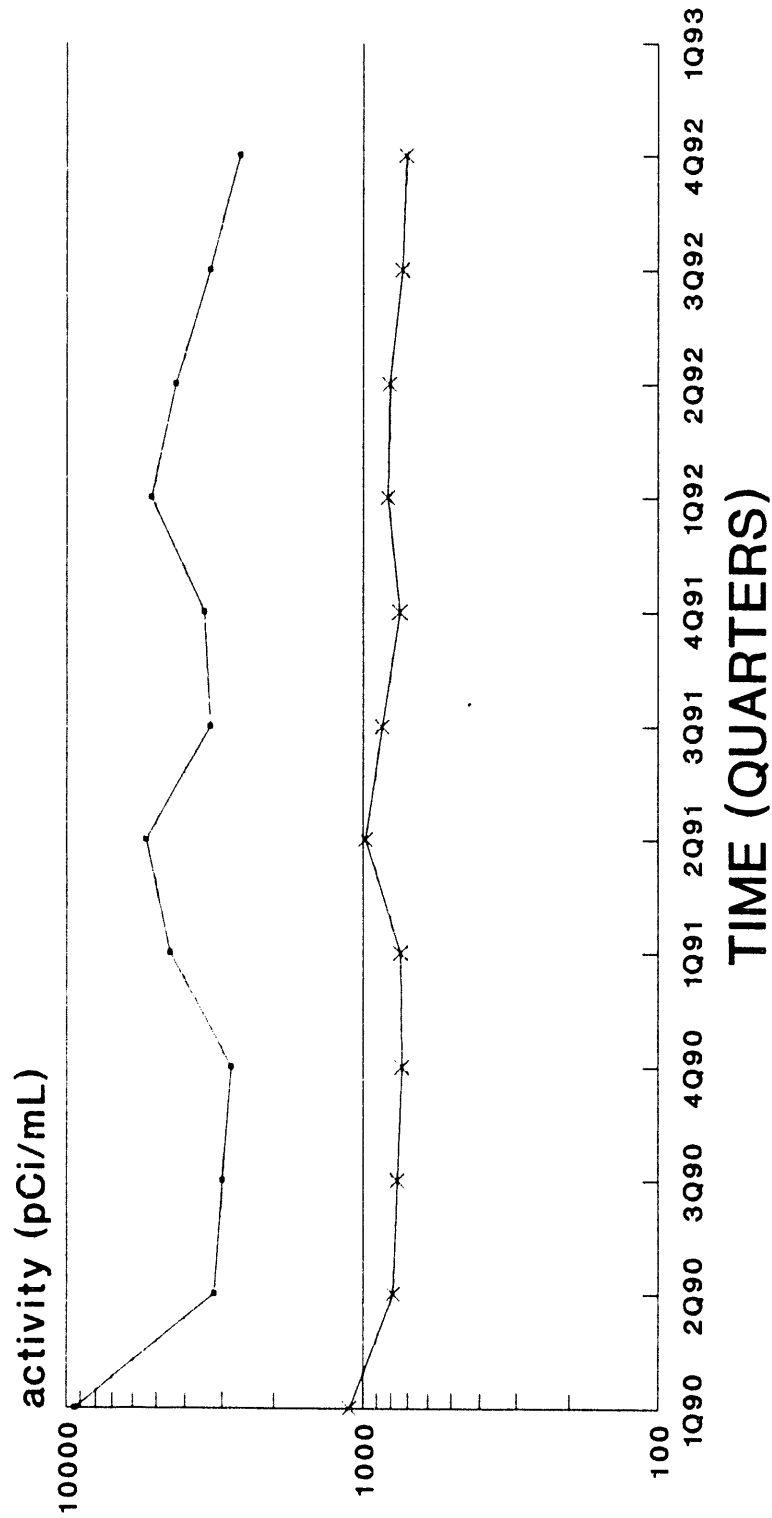


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB103

## Tritium

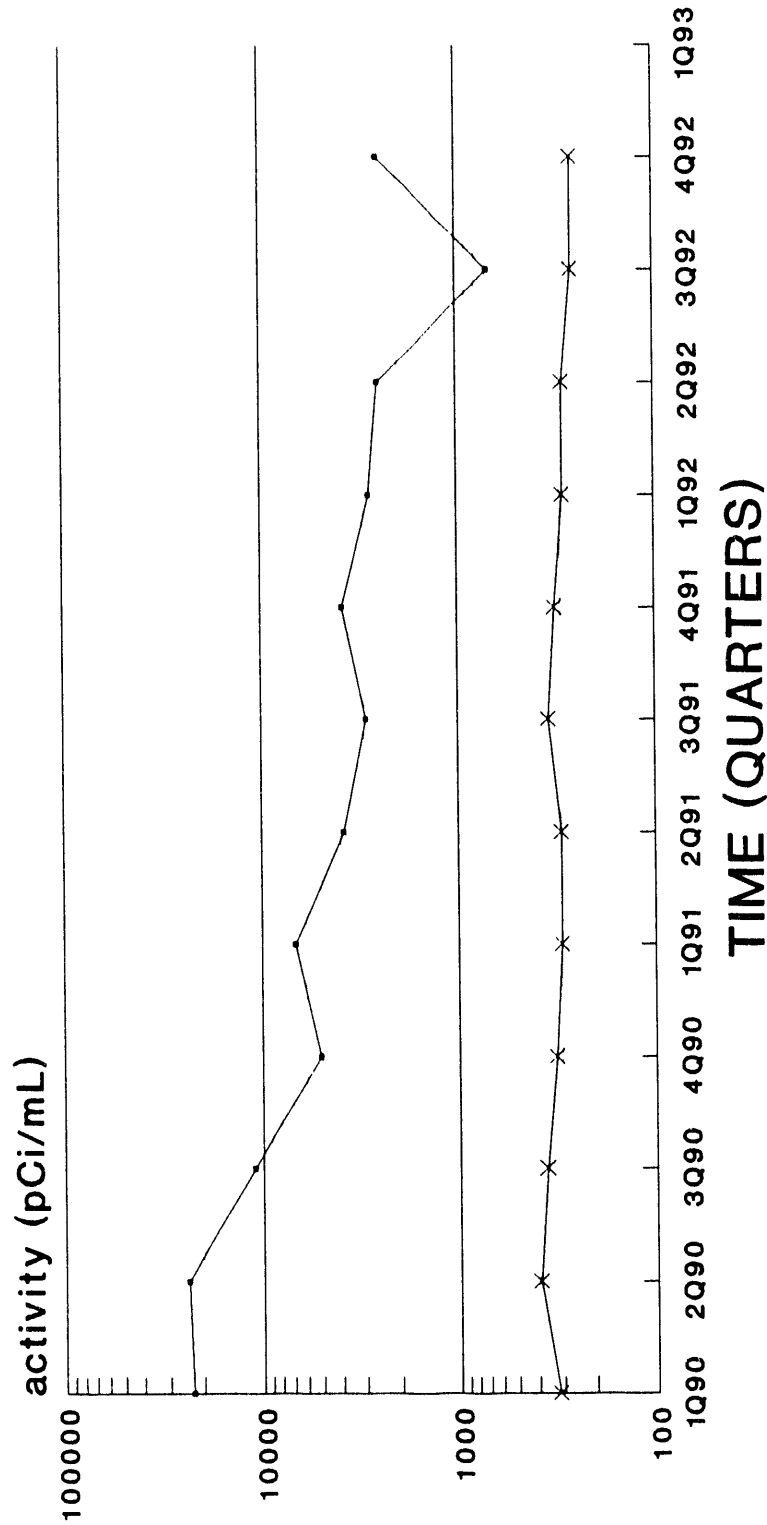


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB104

## Tritium

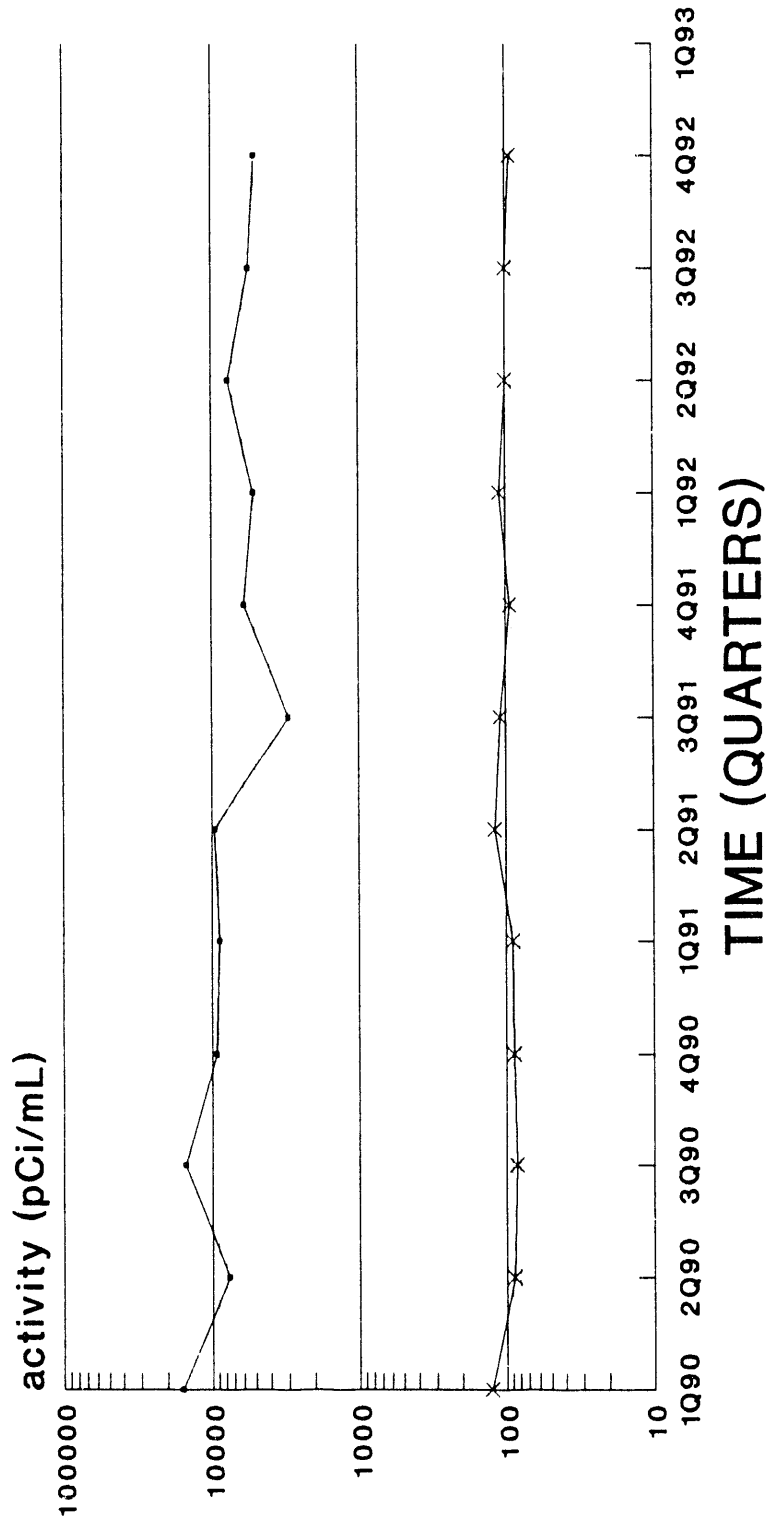


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well



# CLUSTER - HSB105 Tritium

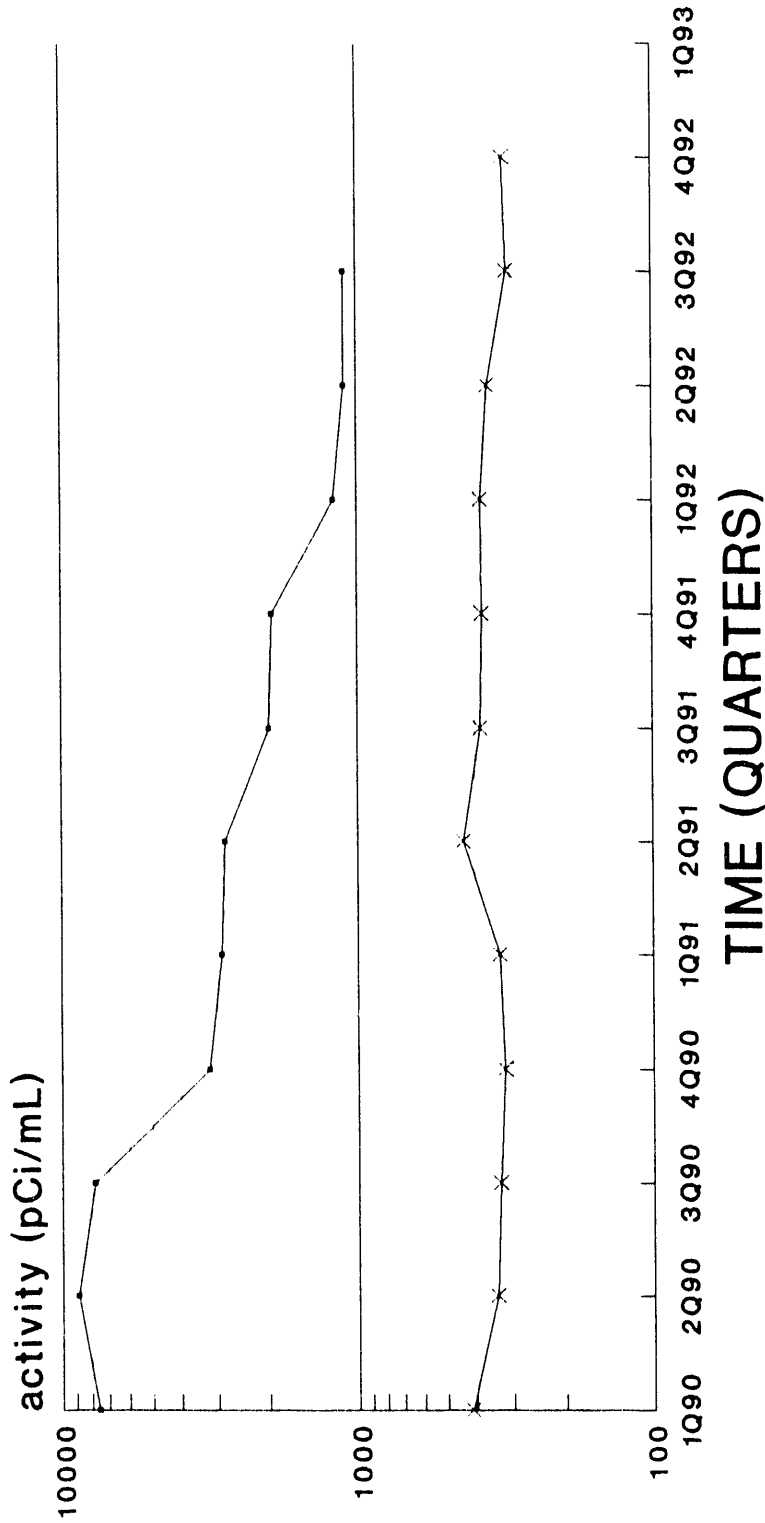


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB106

## Tritium

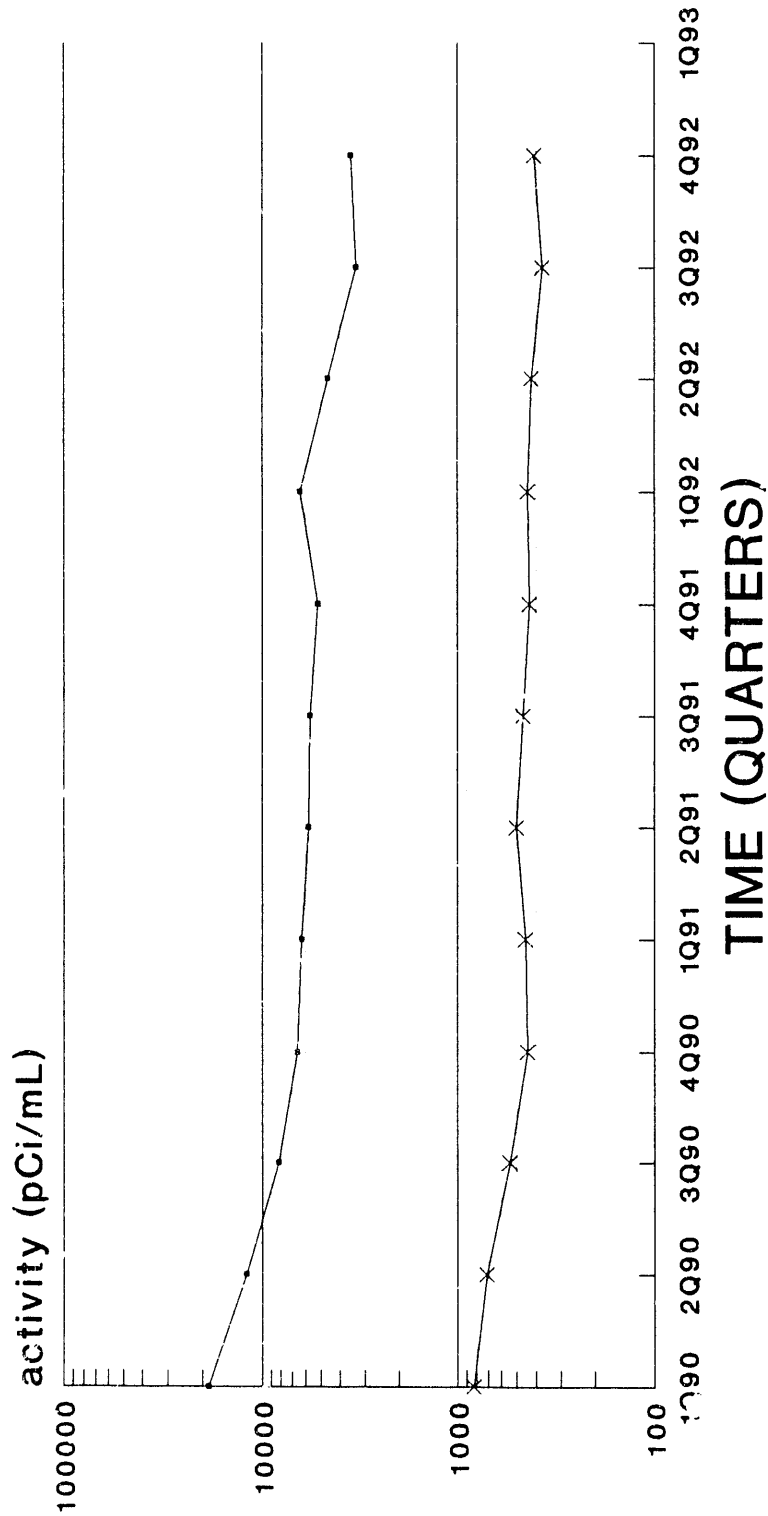


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB107

## Tritium

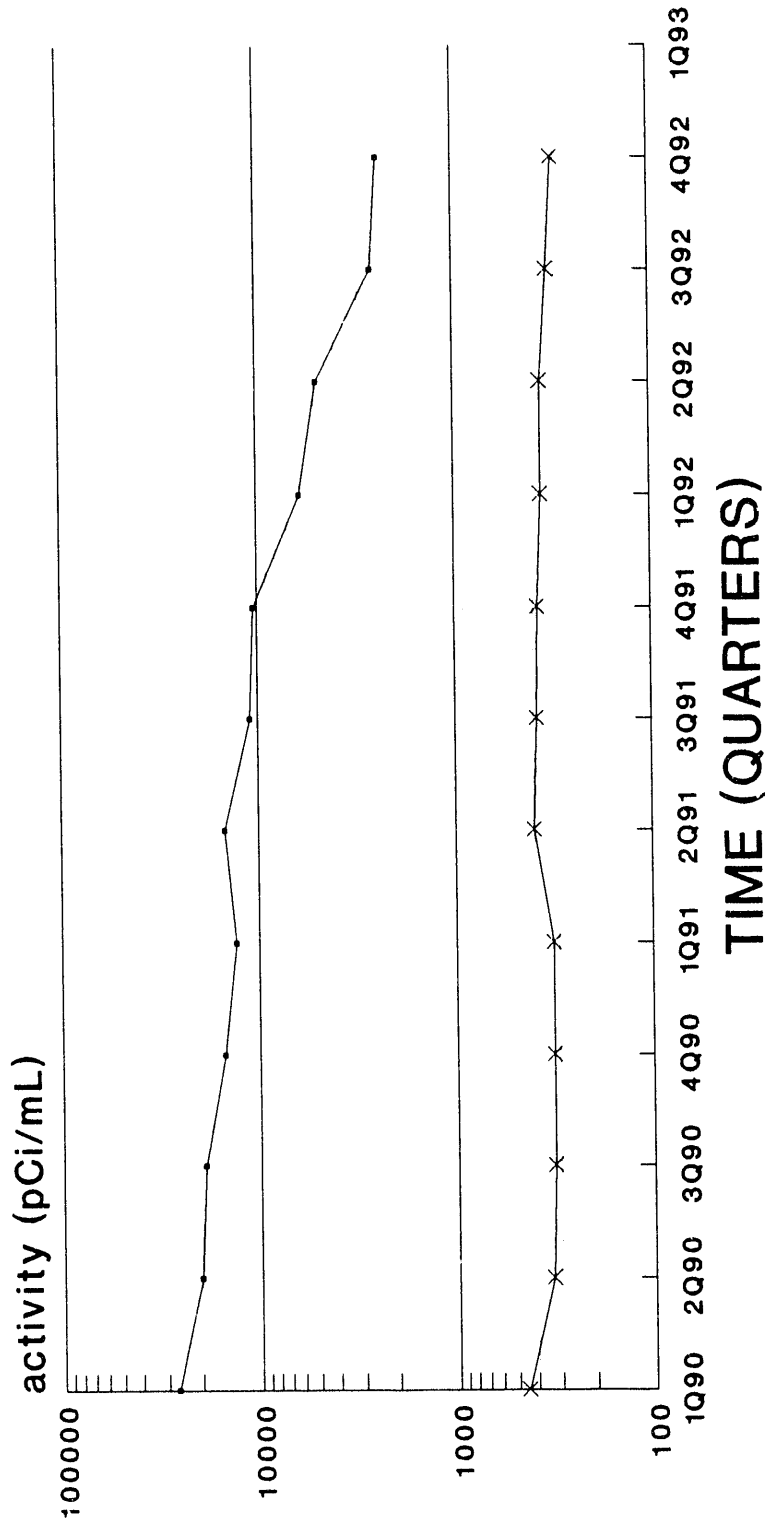


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB108

## Tritium

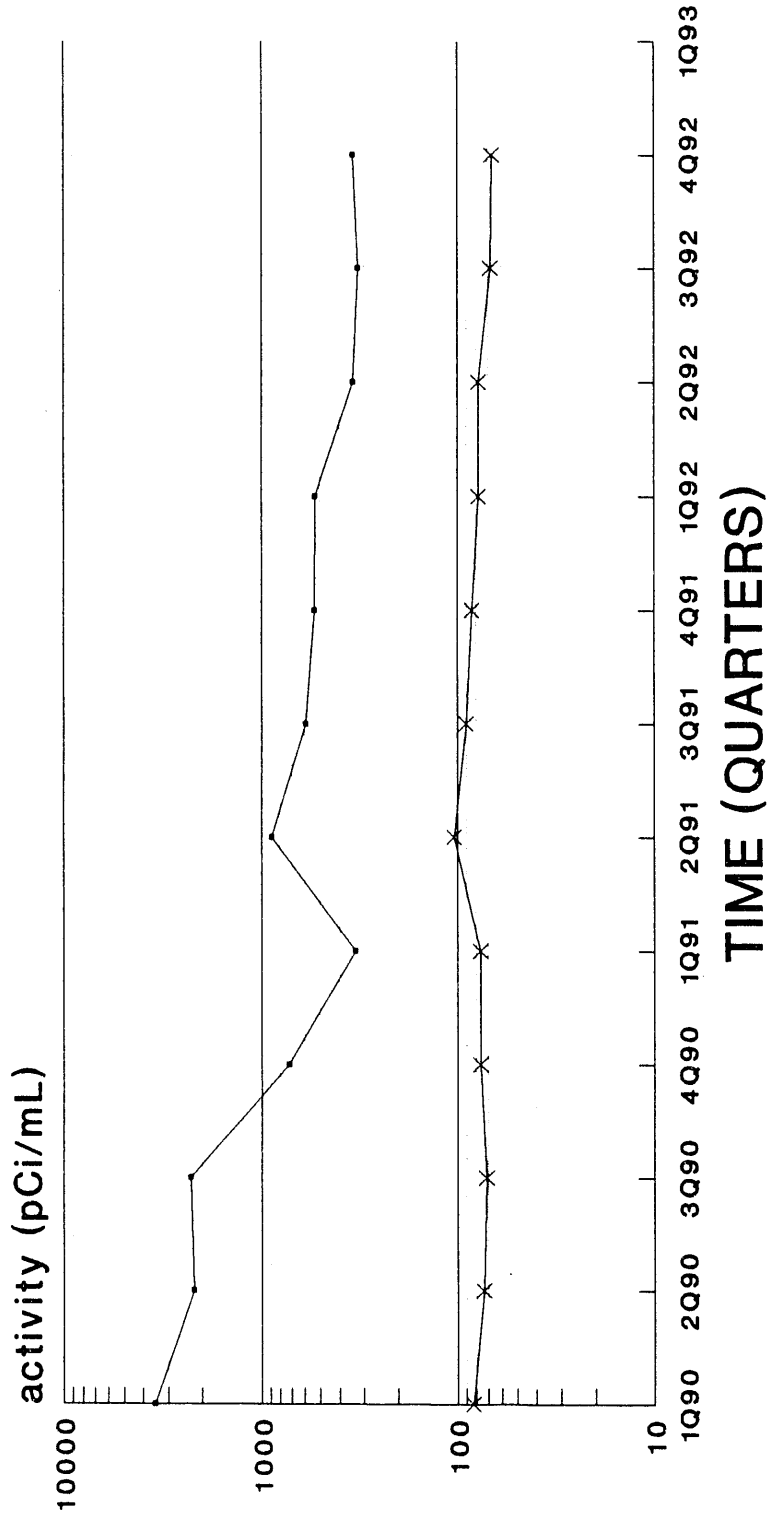


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB109

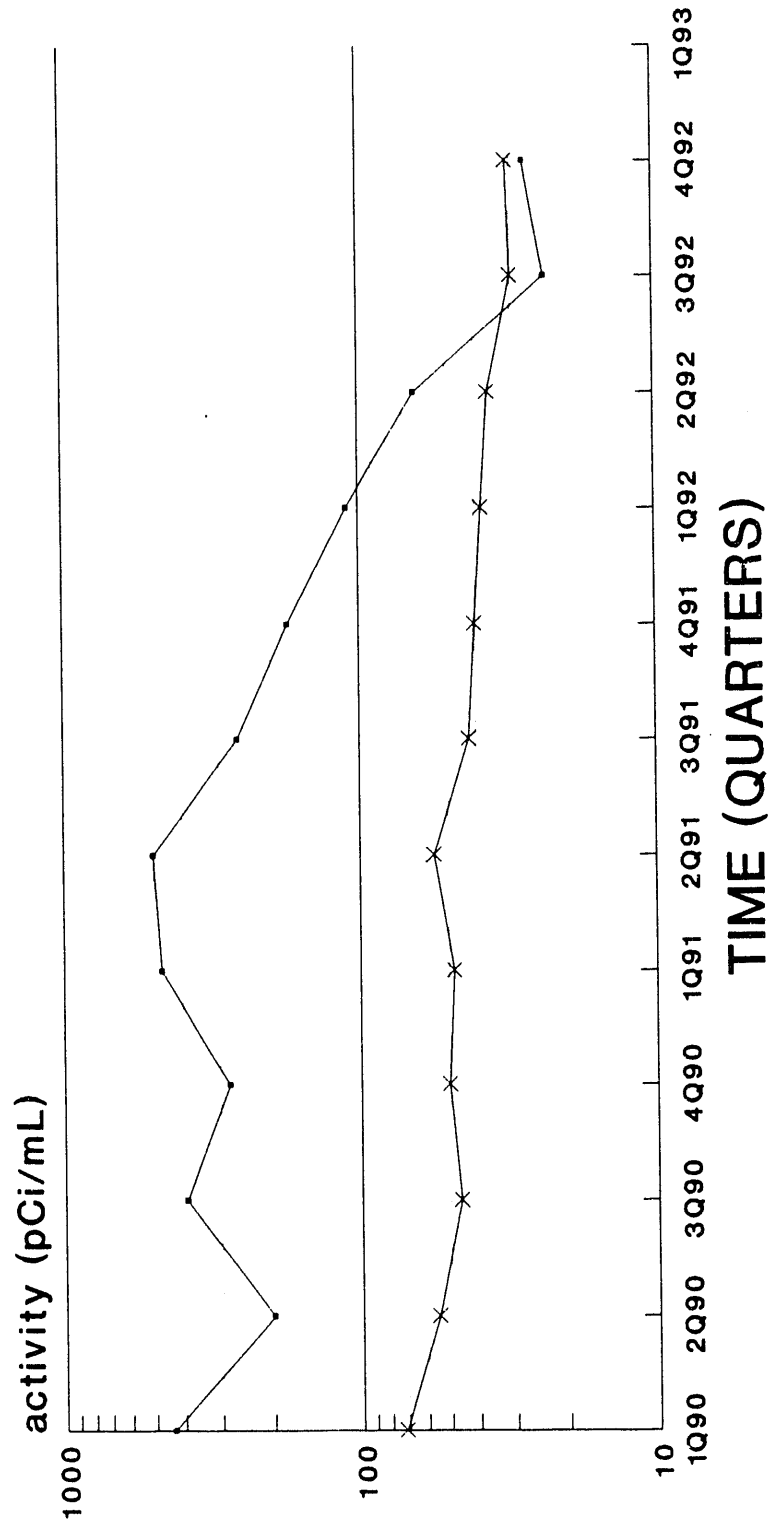
## Tritium



—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB110 Tritium

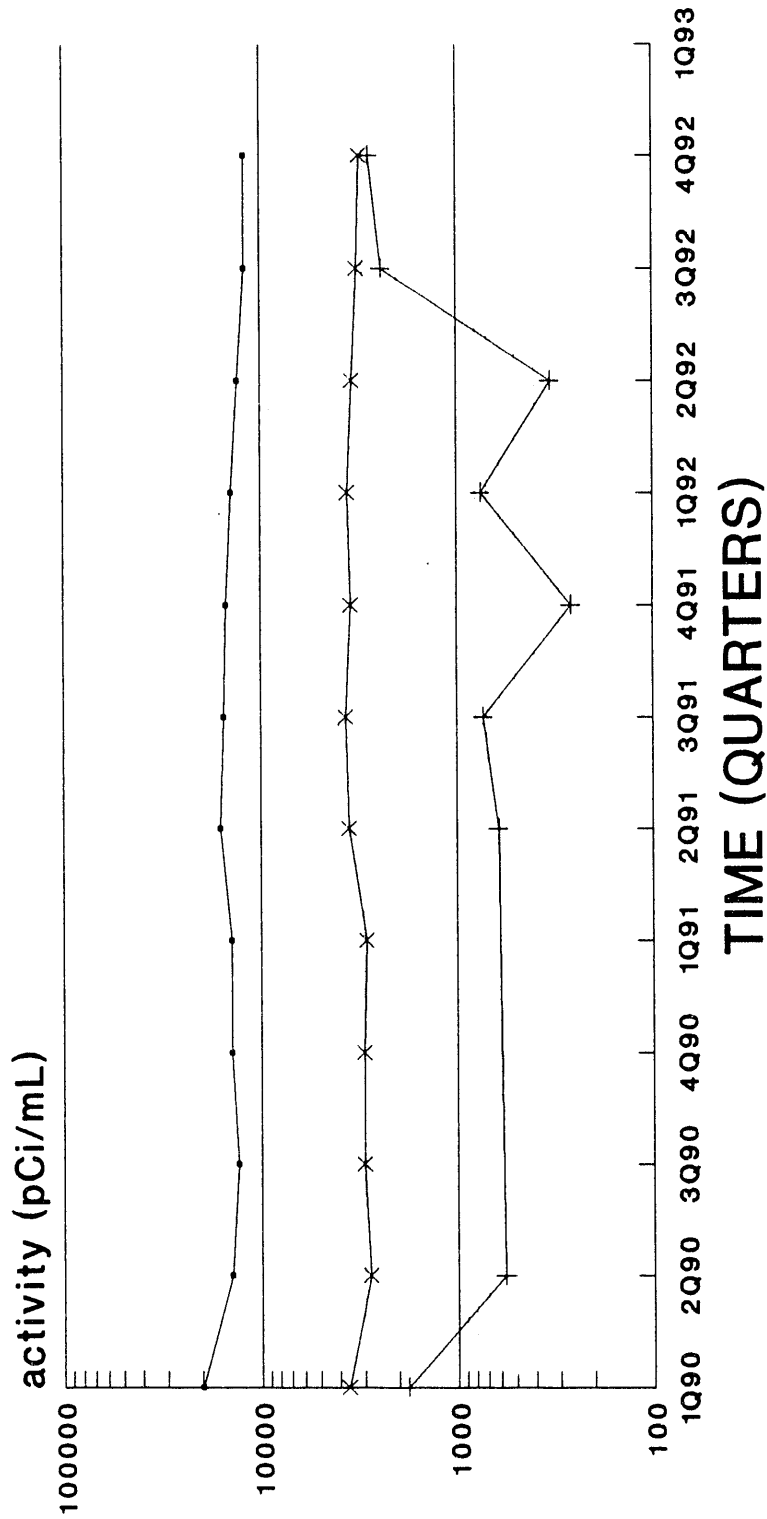


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB111

## Tritium

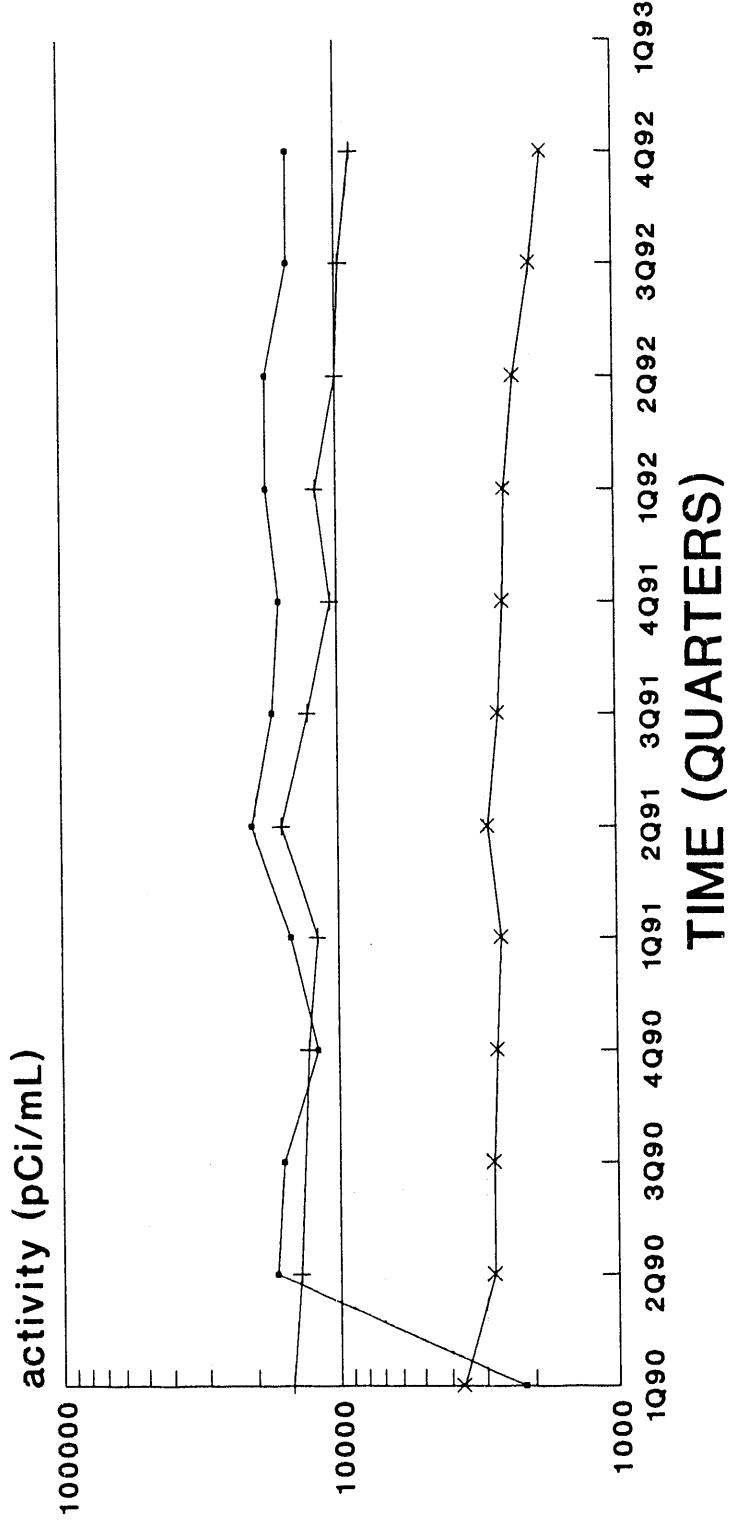


—●— WATER TABLE (IIB2)    —+— WATER TABLE (IIB1)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB112

## Tritium



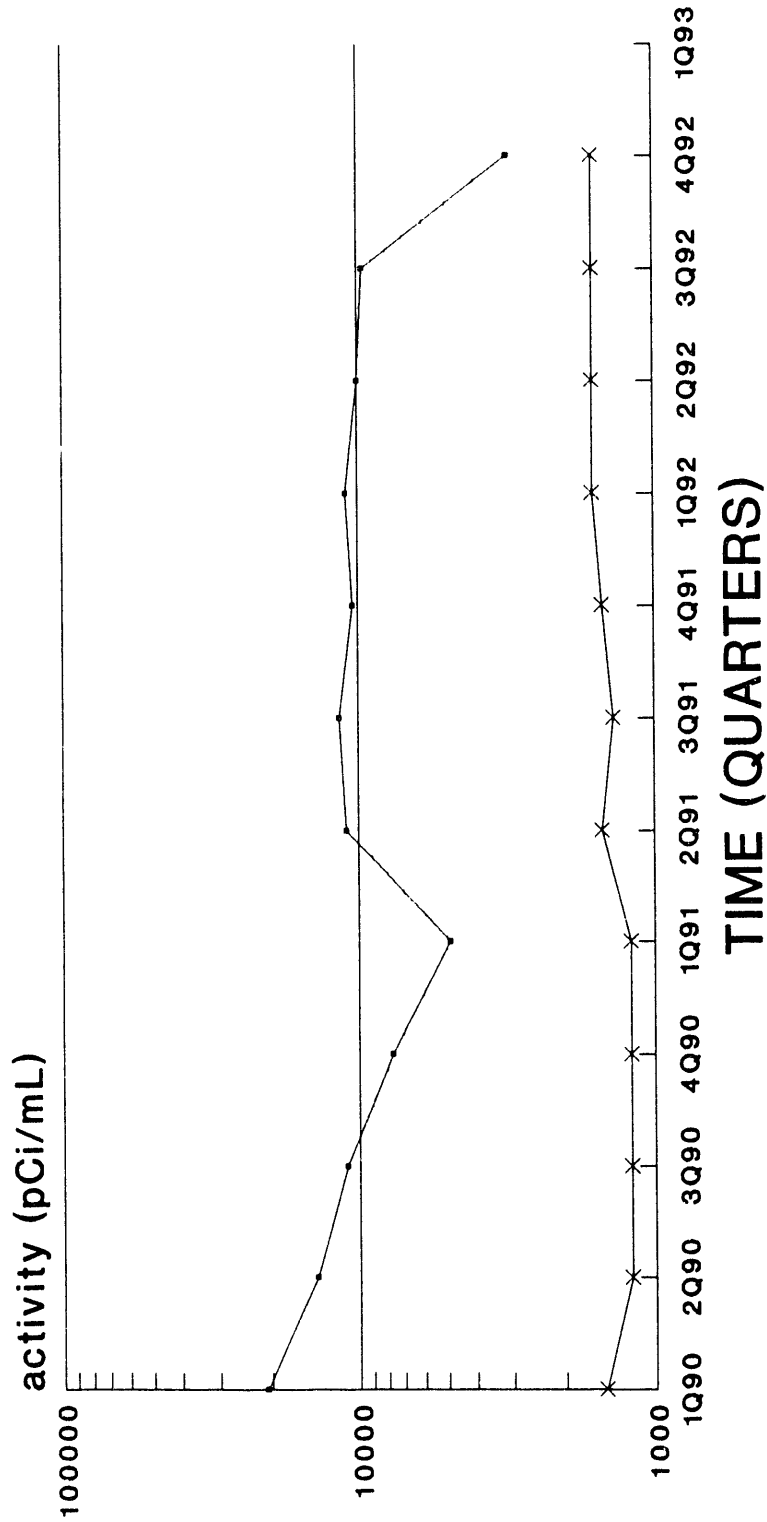
—●— WATER TABLE (IIB2)    —+— WATER TABLE (IIB1)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well  
1st water table: HSB 65; 2nd: HSB 65C



# CLUSTER - HSB113

## Tritium

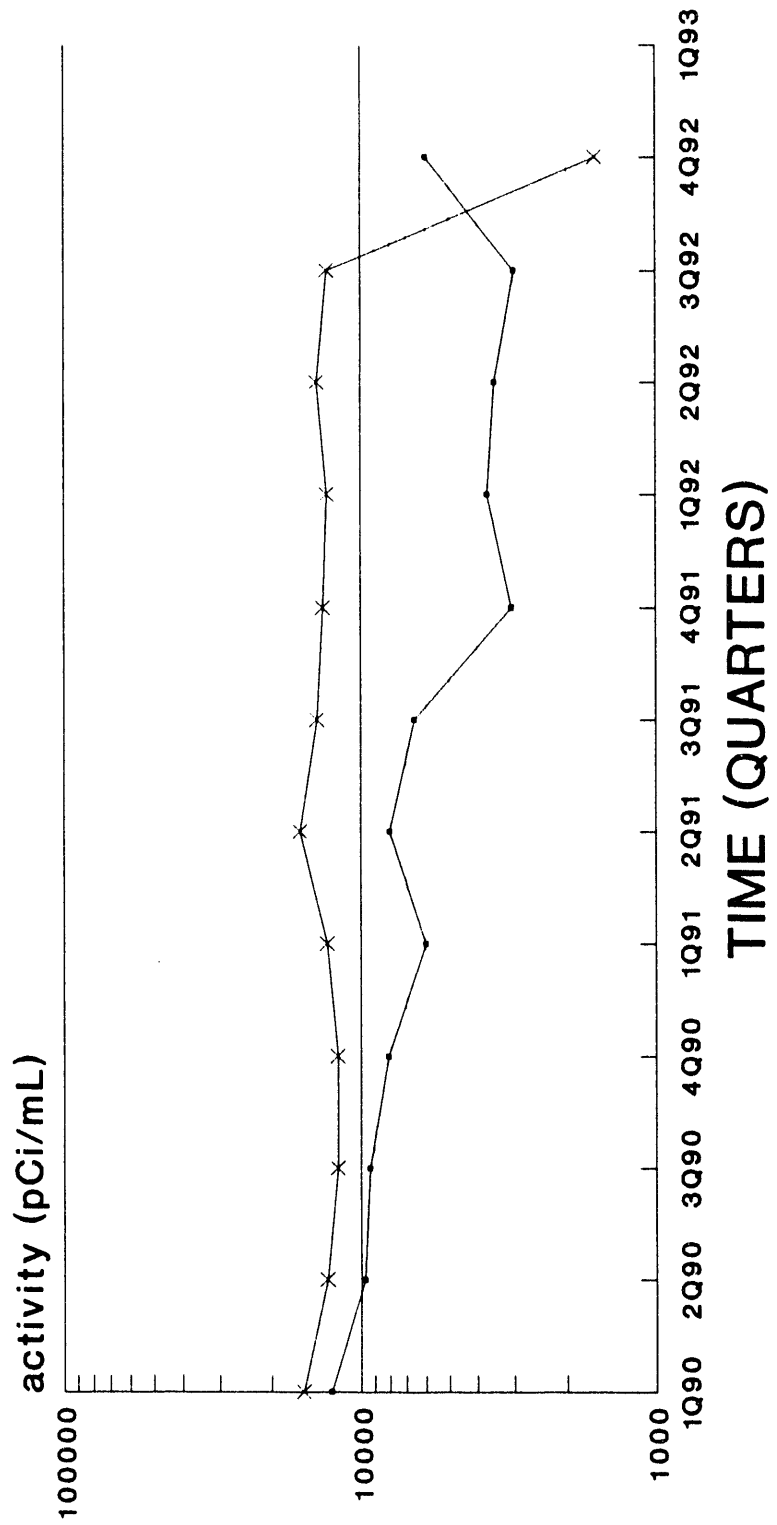


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB114

## Tritium

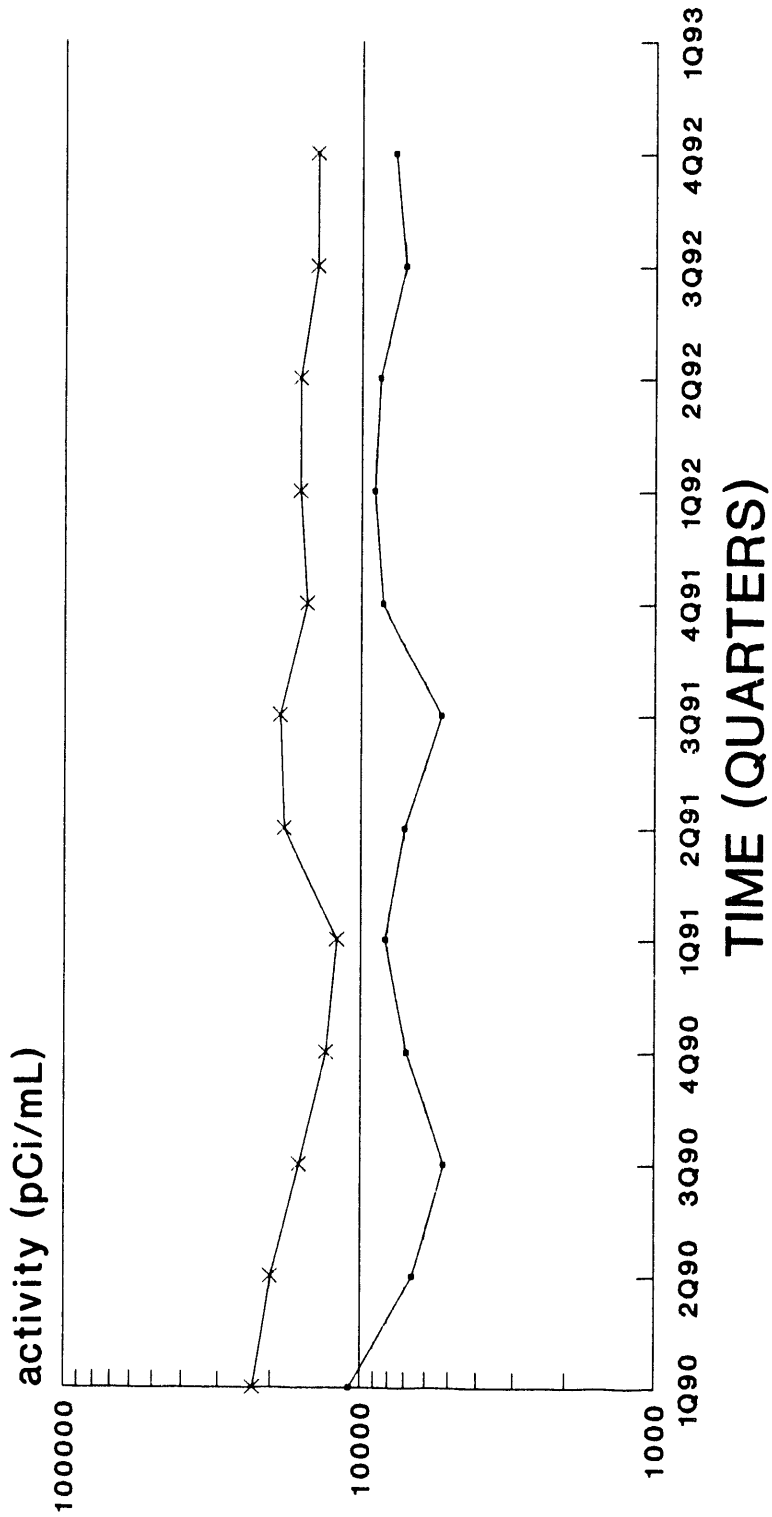


—•— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB115

## Tritium

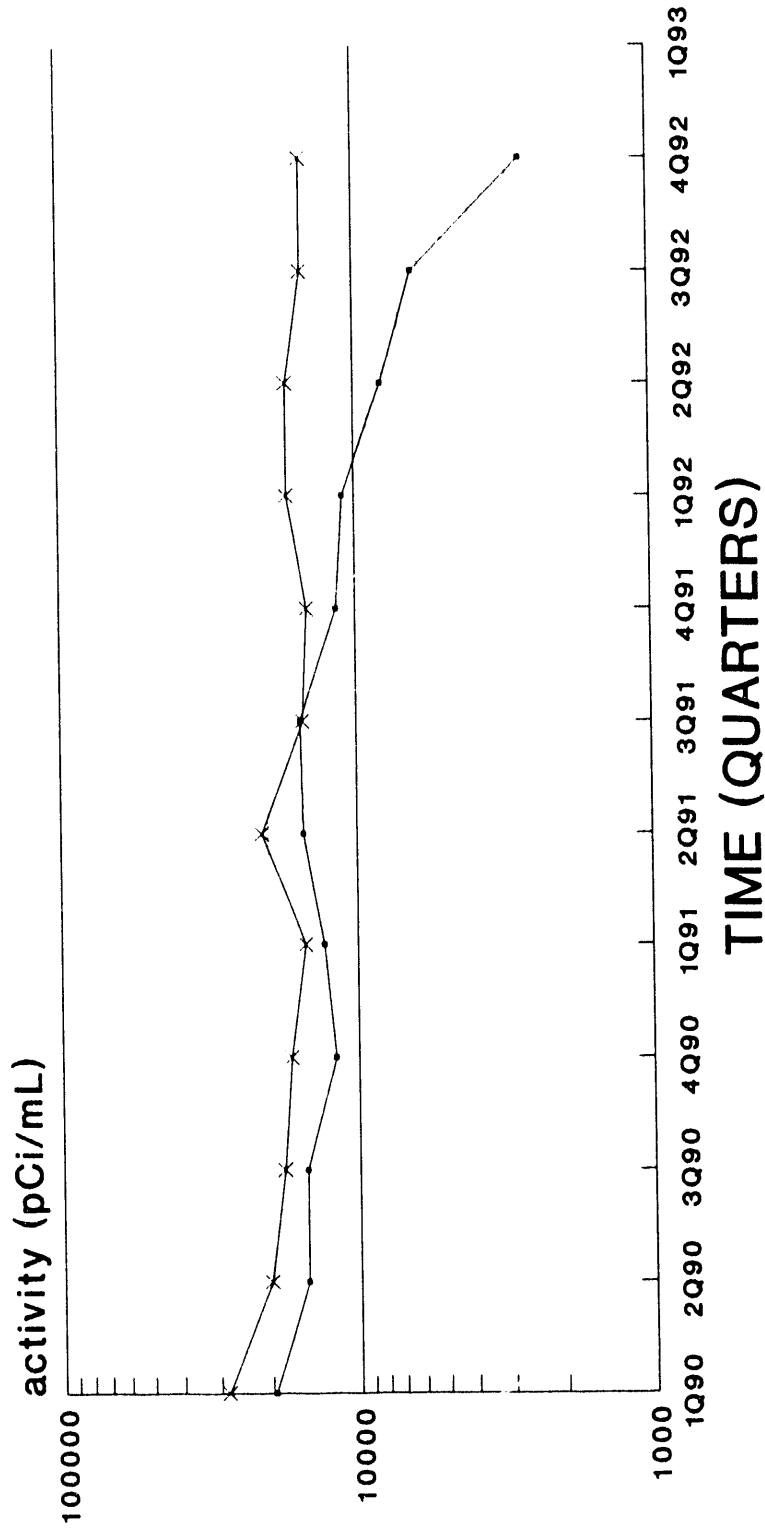


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB116

## Tritium

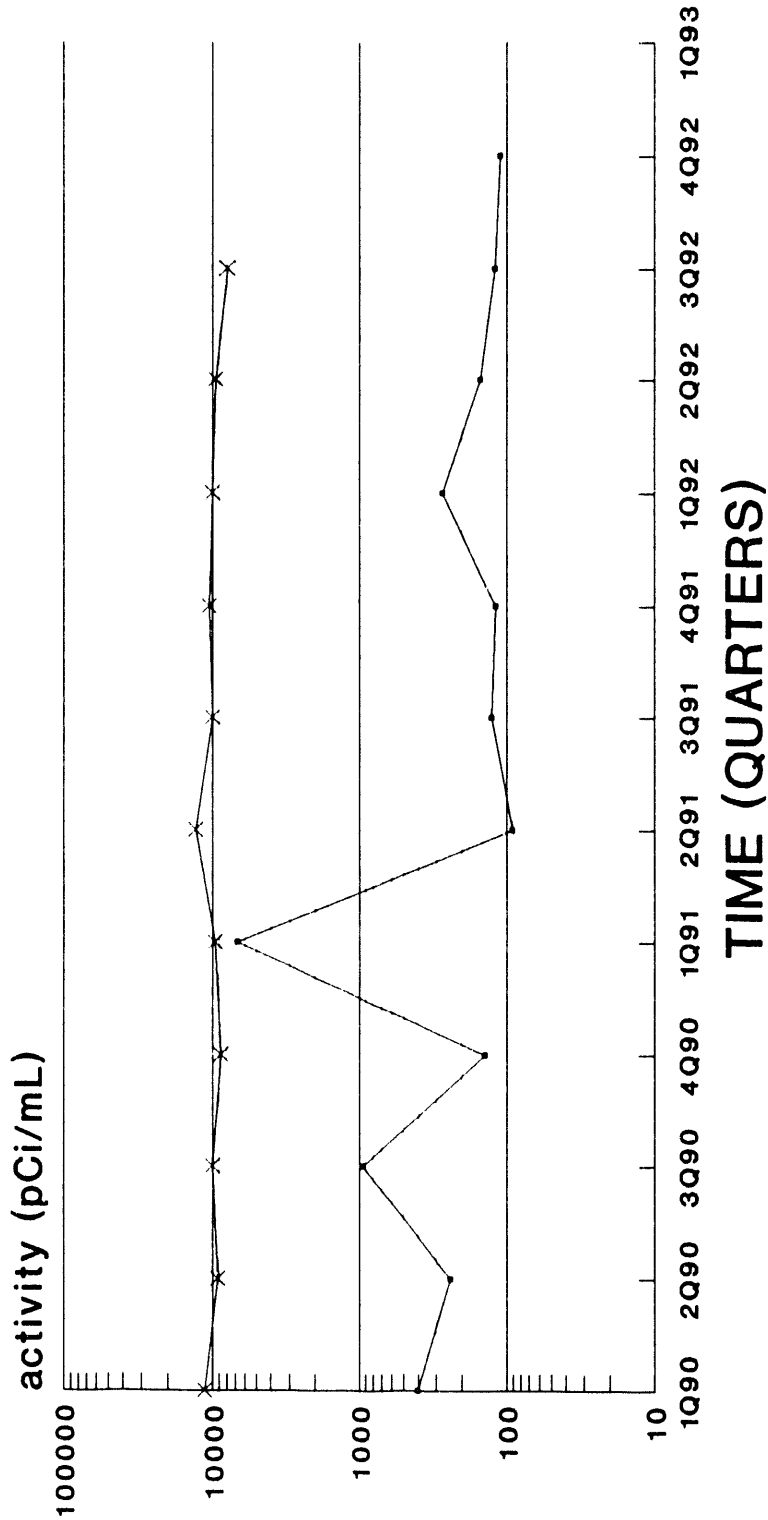


--- WATER TABLE (IIB2)    \* BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB117

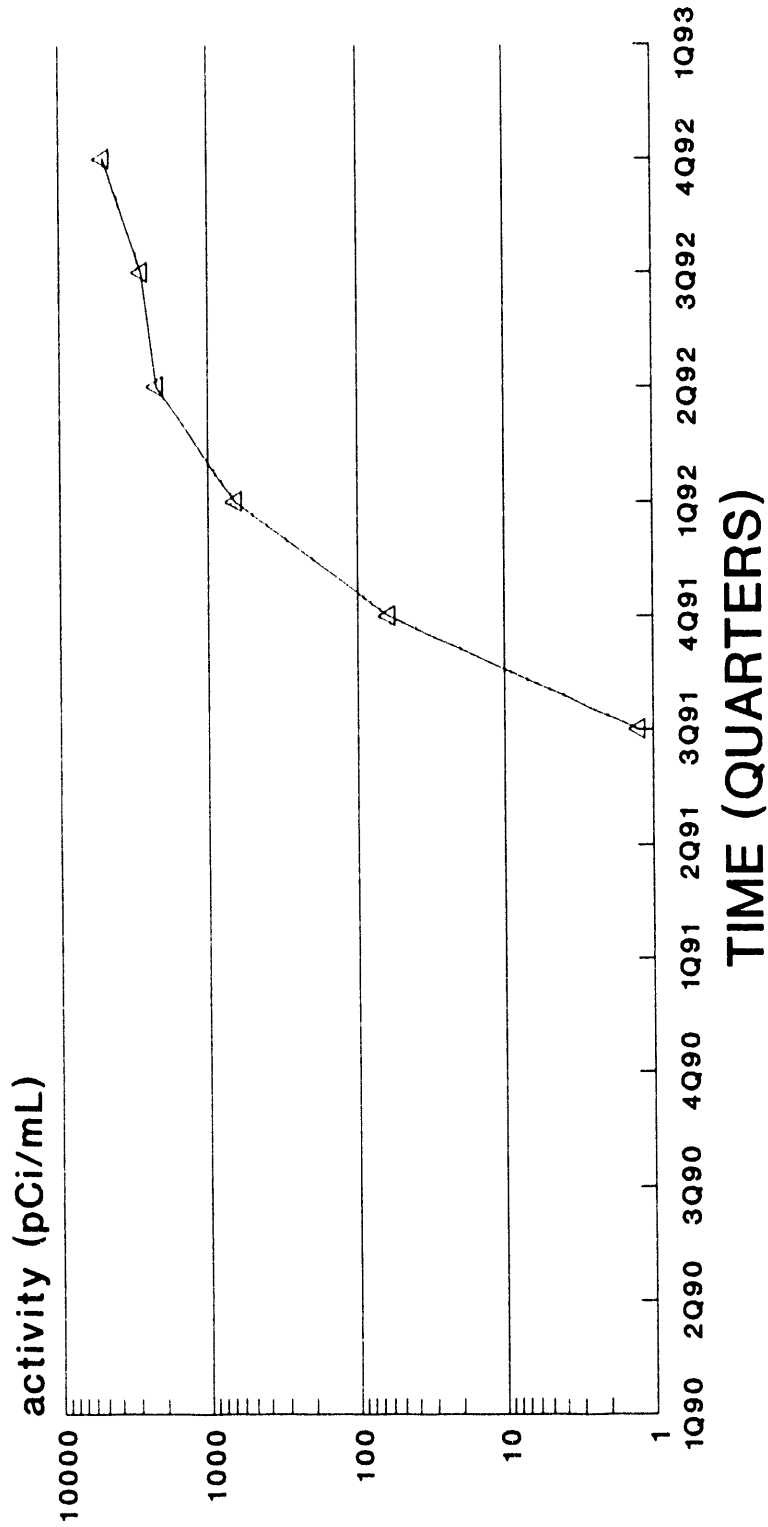
## Tritium



—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

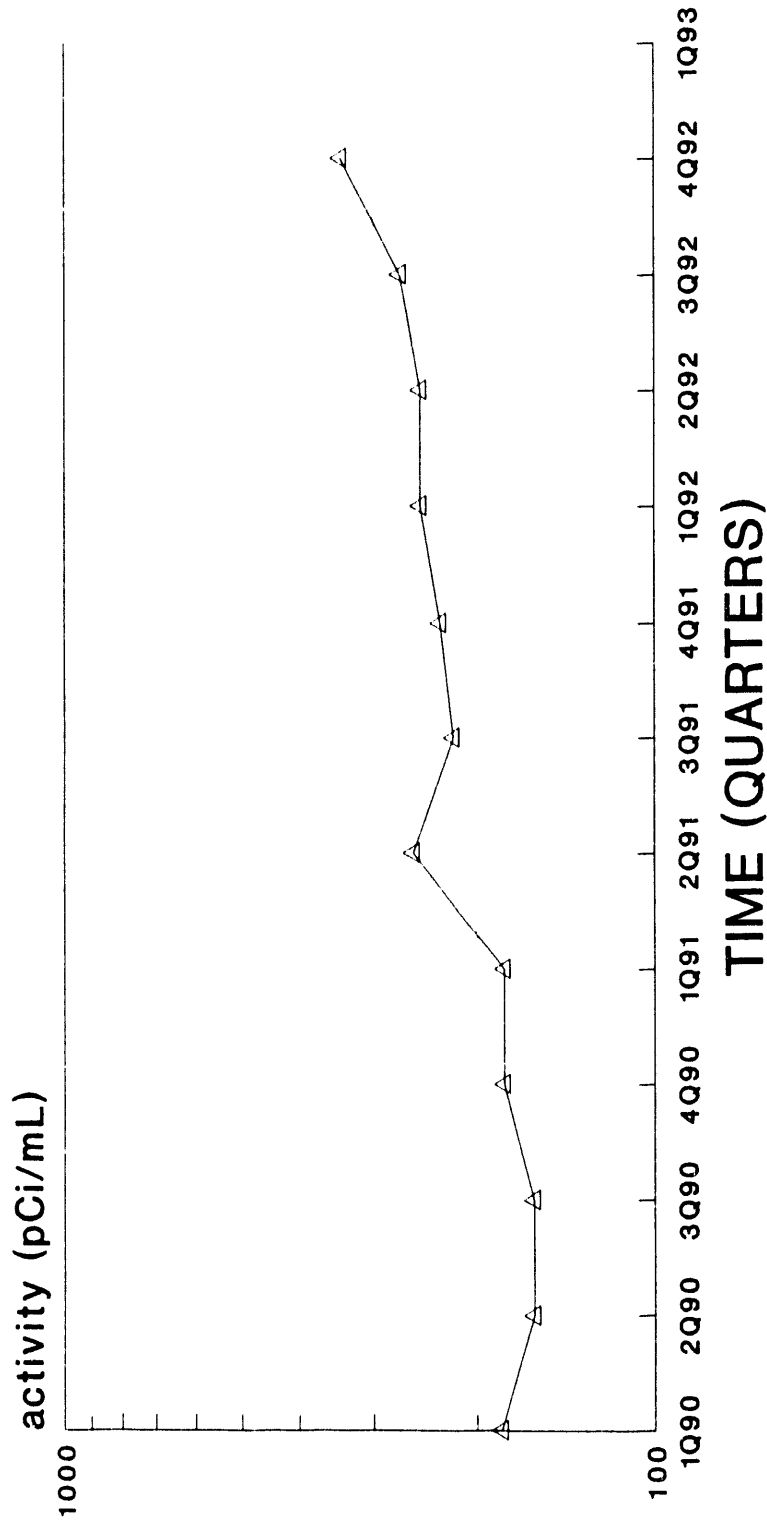
# HSB118A Tritium



△ U. CONGAREE (IIA)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

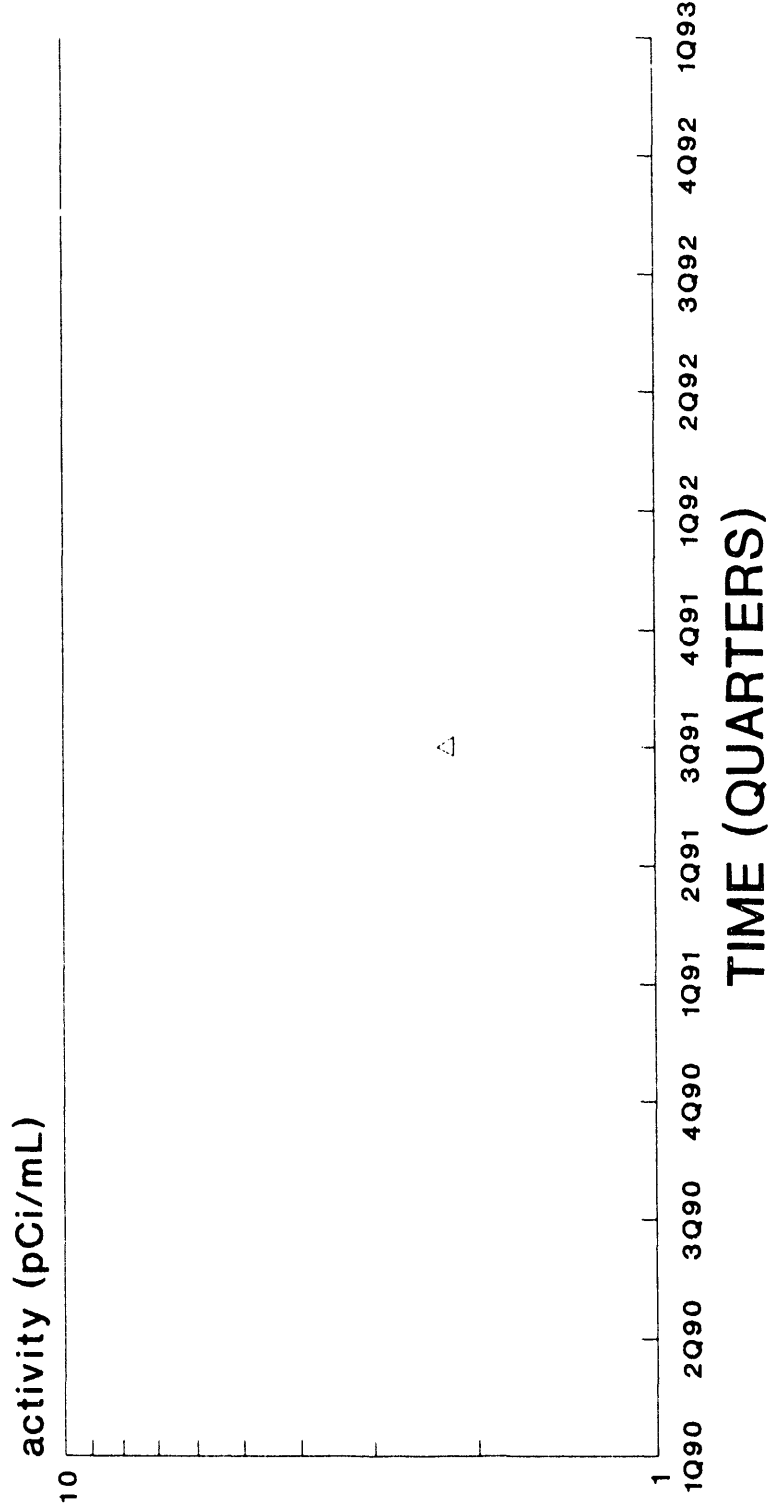
# HSB119A Tritium



△ U. CONGAREE (IIA)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# HSB122A Tritium

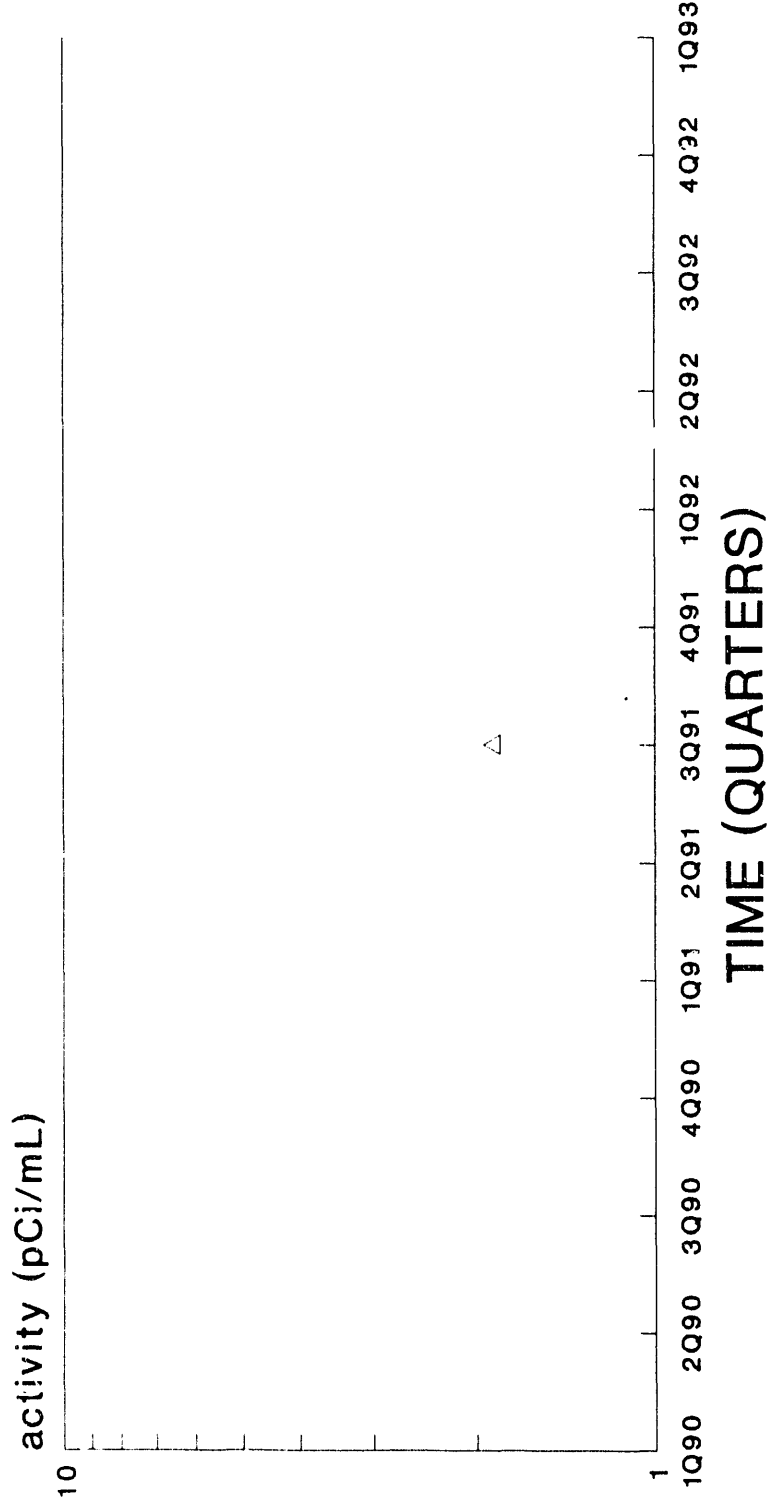


U. CONGAREE (IIA)

PDWS 20 pCi/mL  
empty space denotes no data or dry well



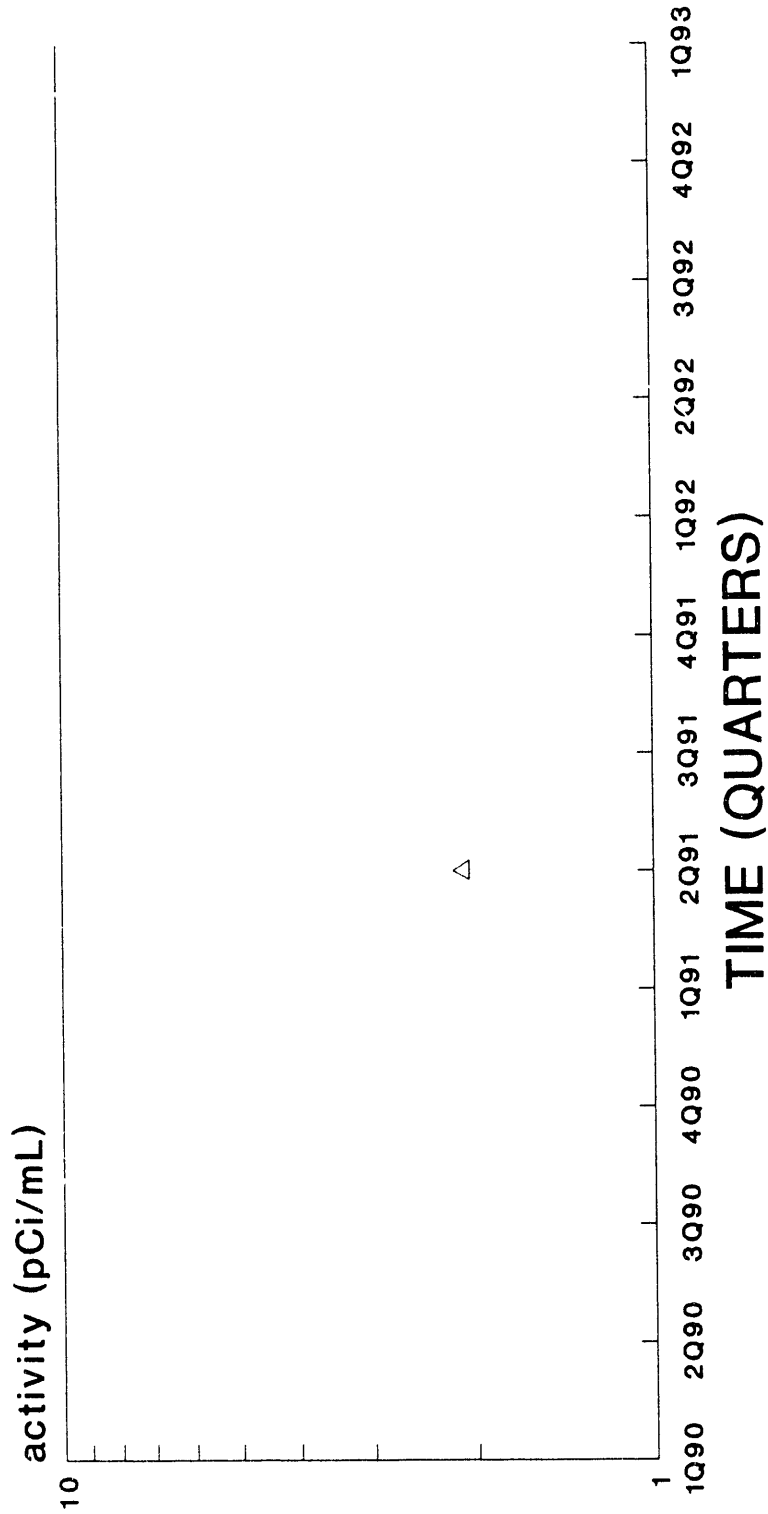
# HSB123A Tritium



△ U. CONGAREE (IIA)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

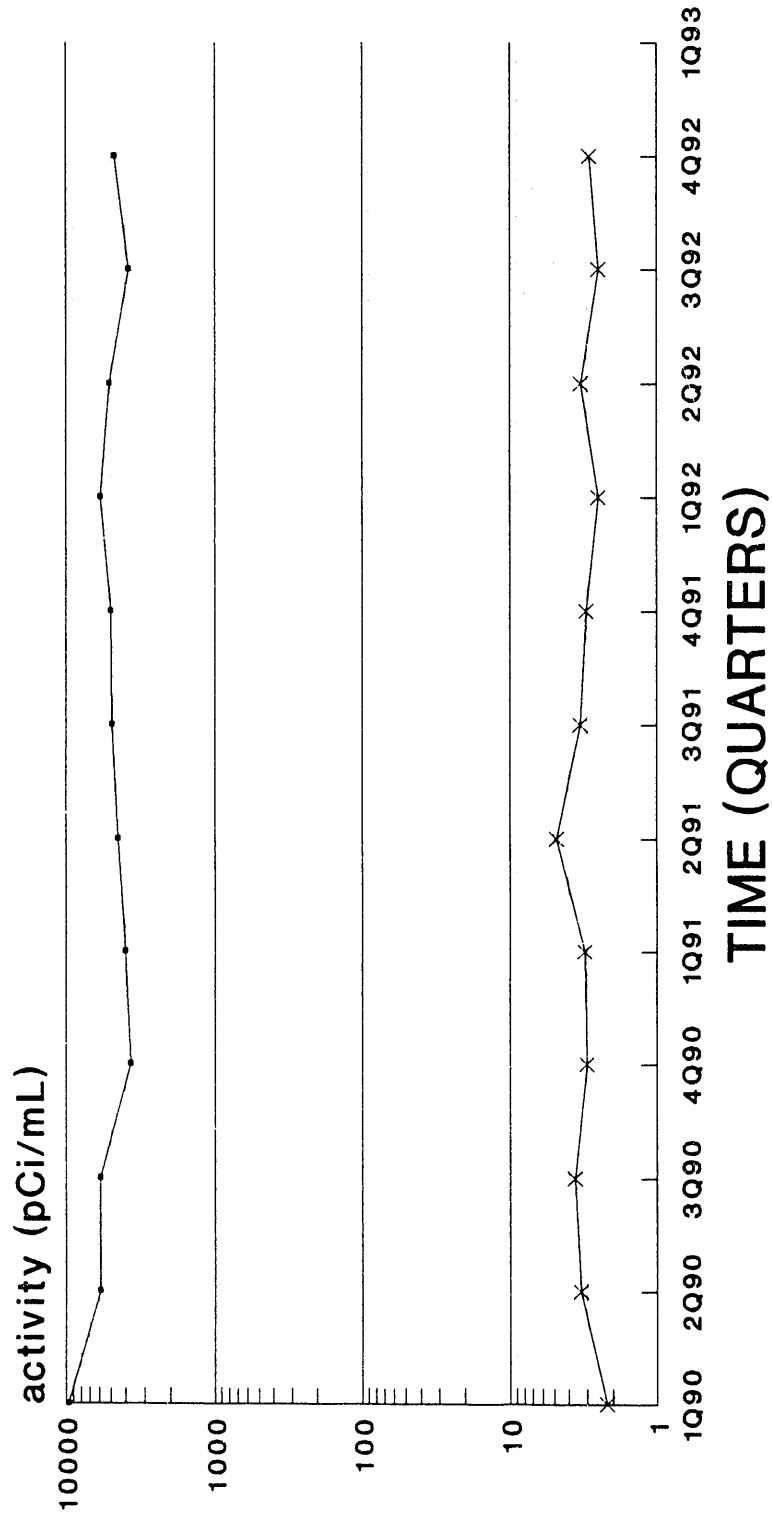
# HSB124A Tritium



PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB125

## Tritium

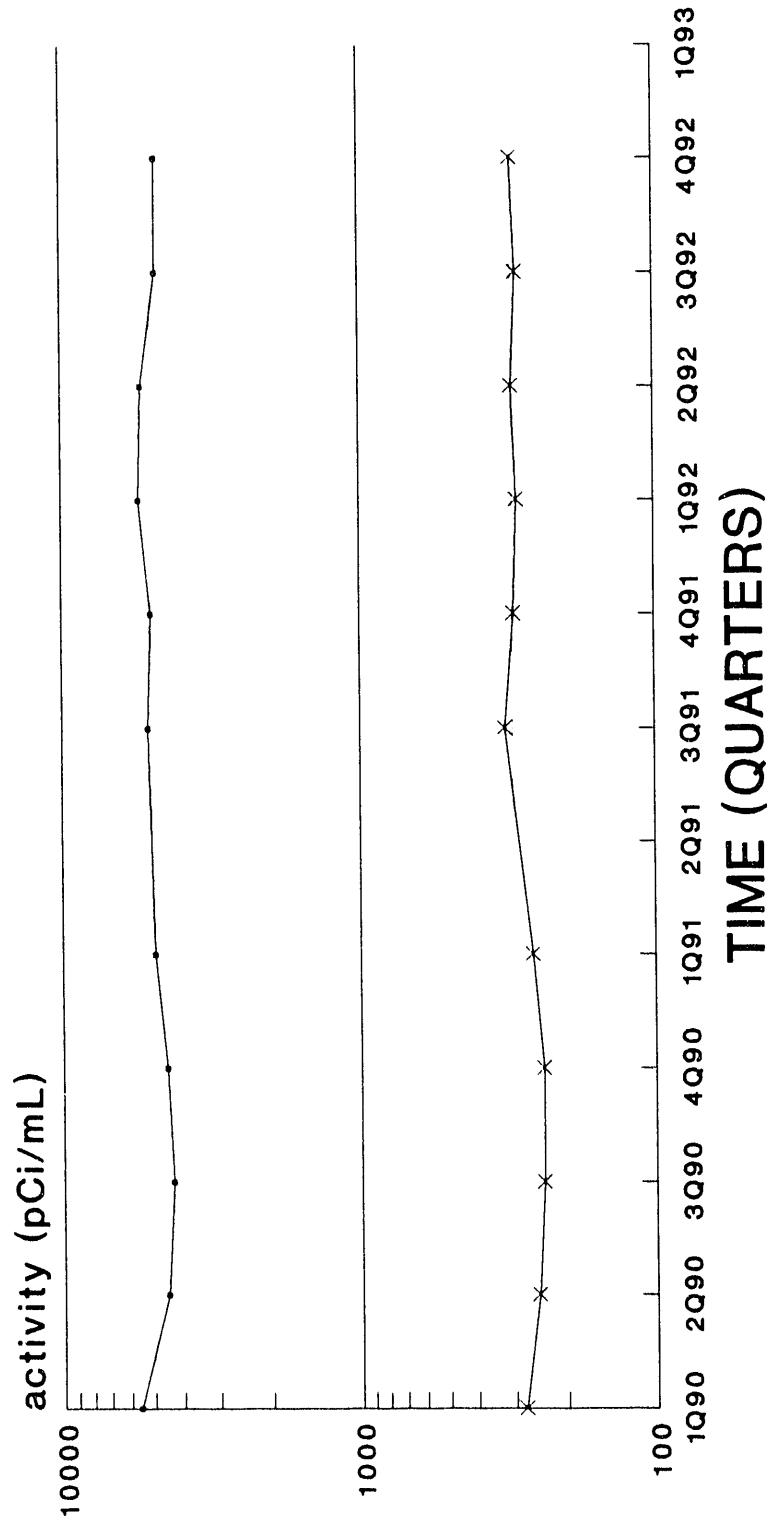


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB126

## Tritium

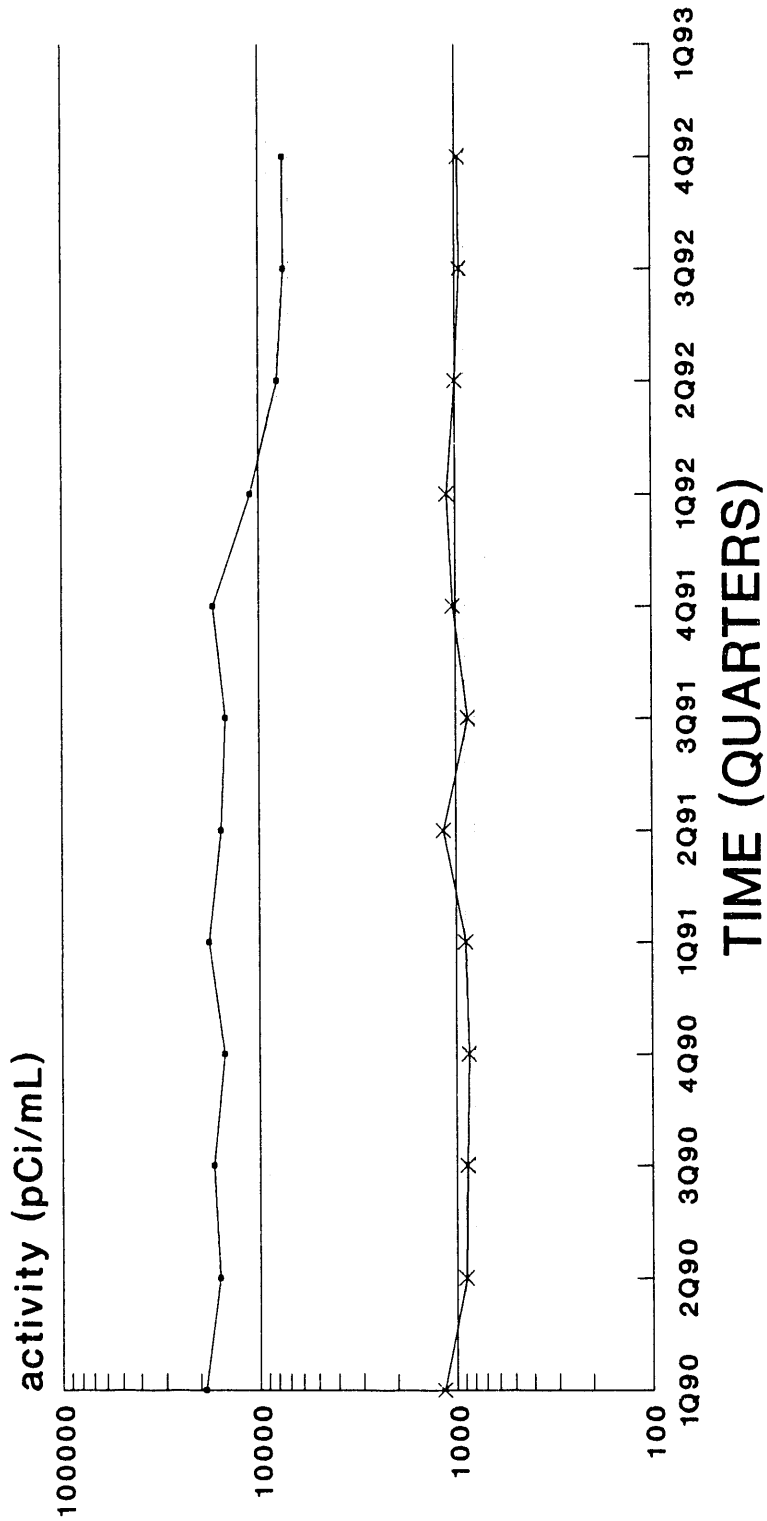


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB127

## Tritium

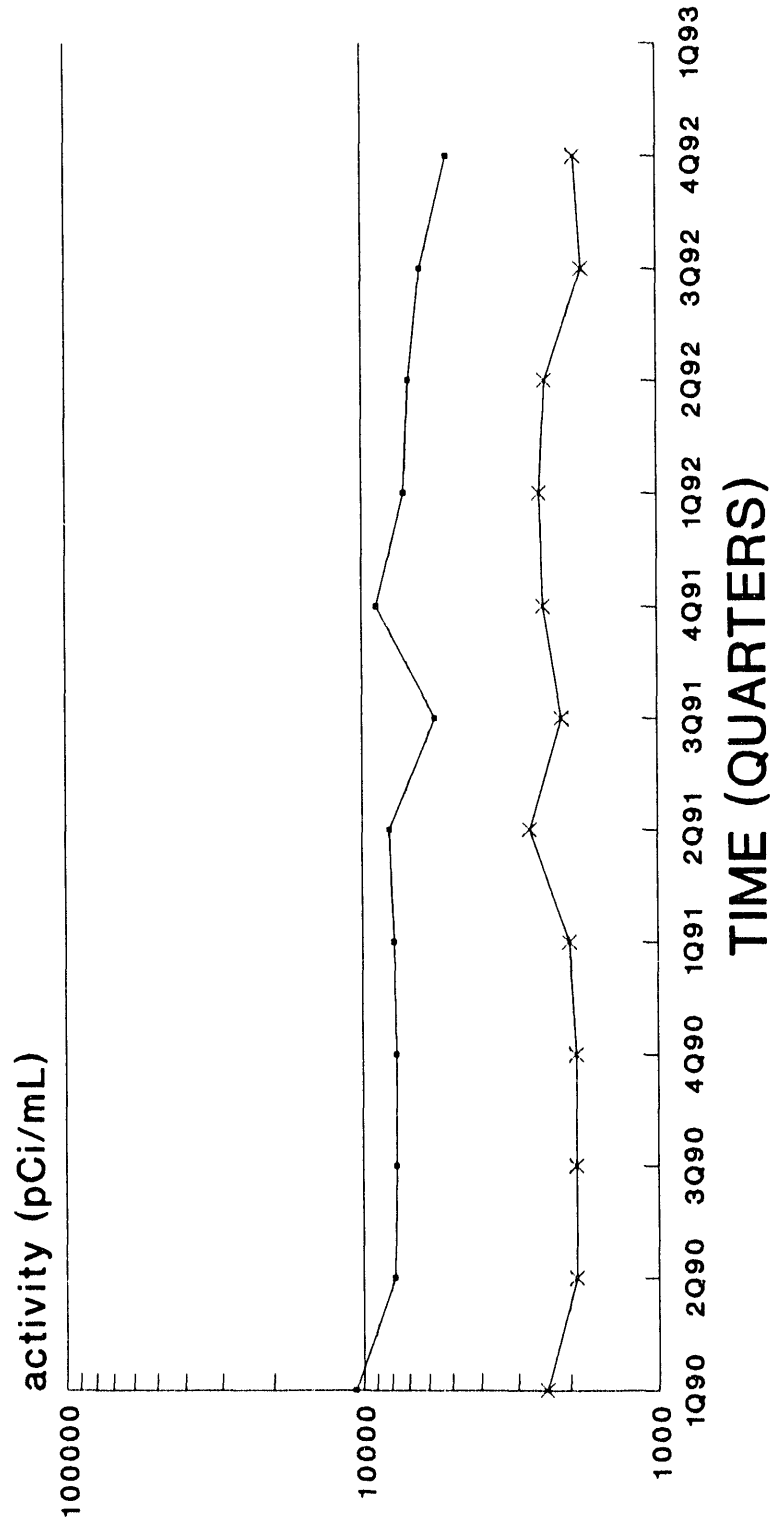


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB129

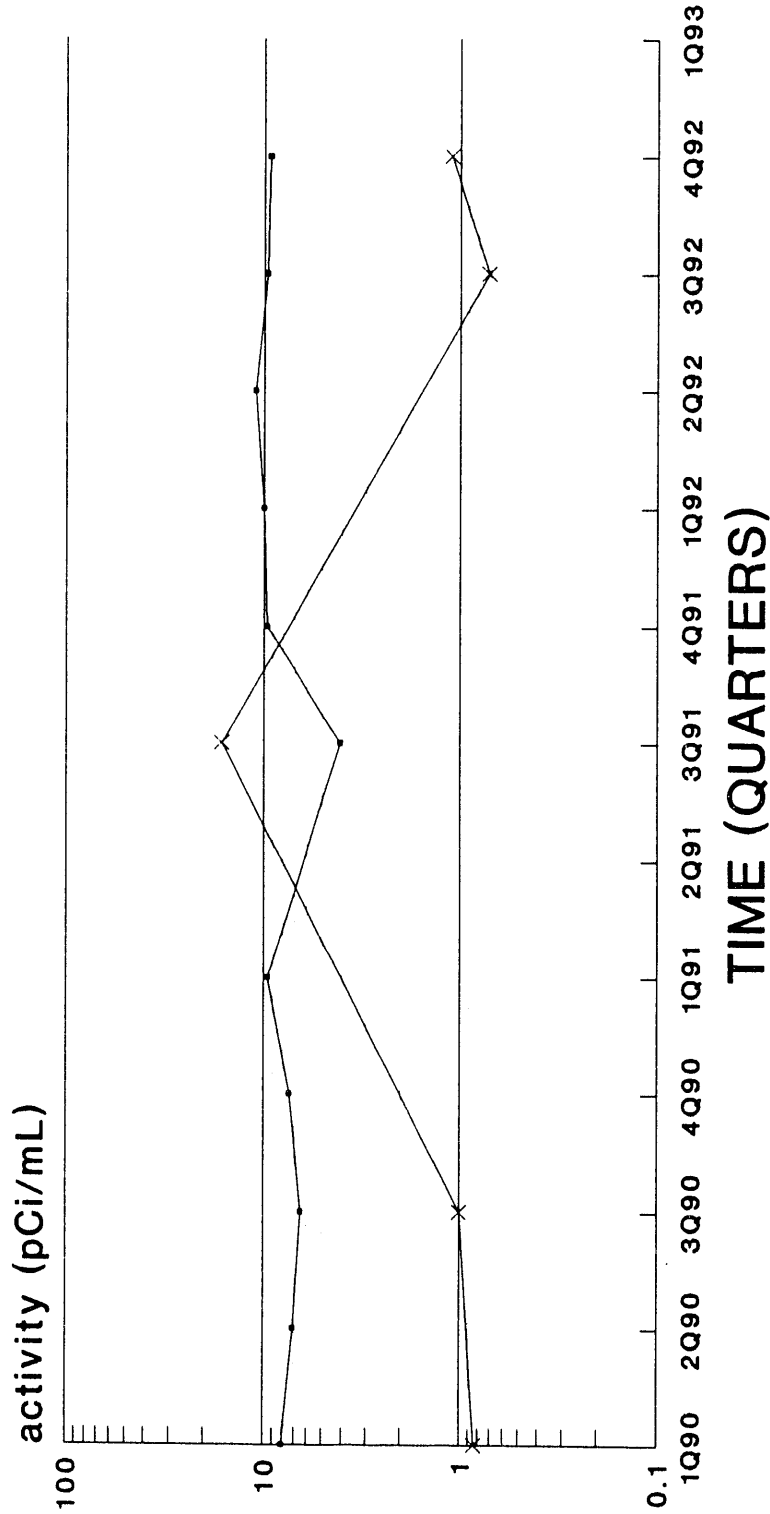
## Tritium



—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB130 Tritium

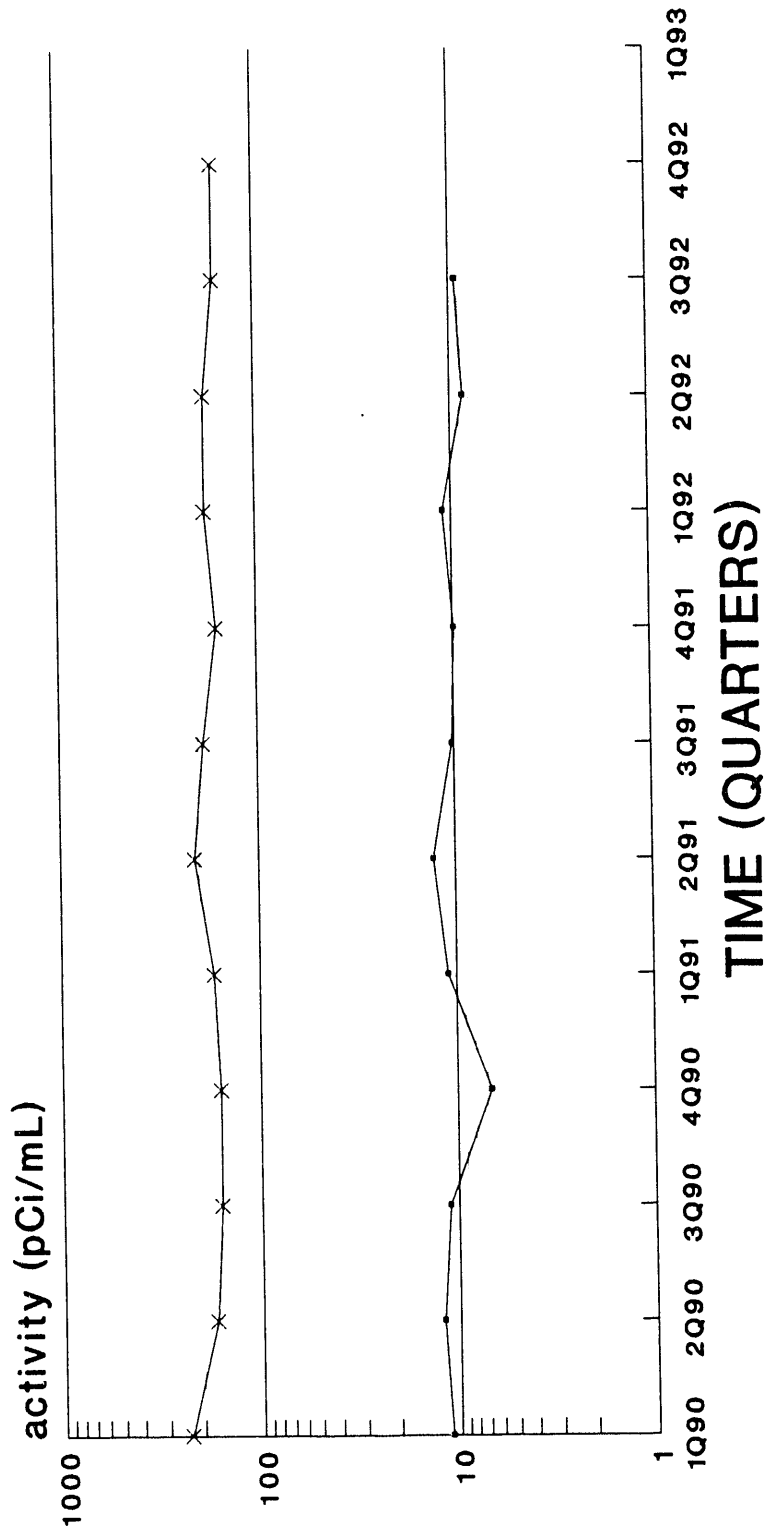


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB131

## Tritium



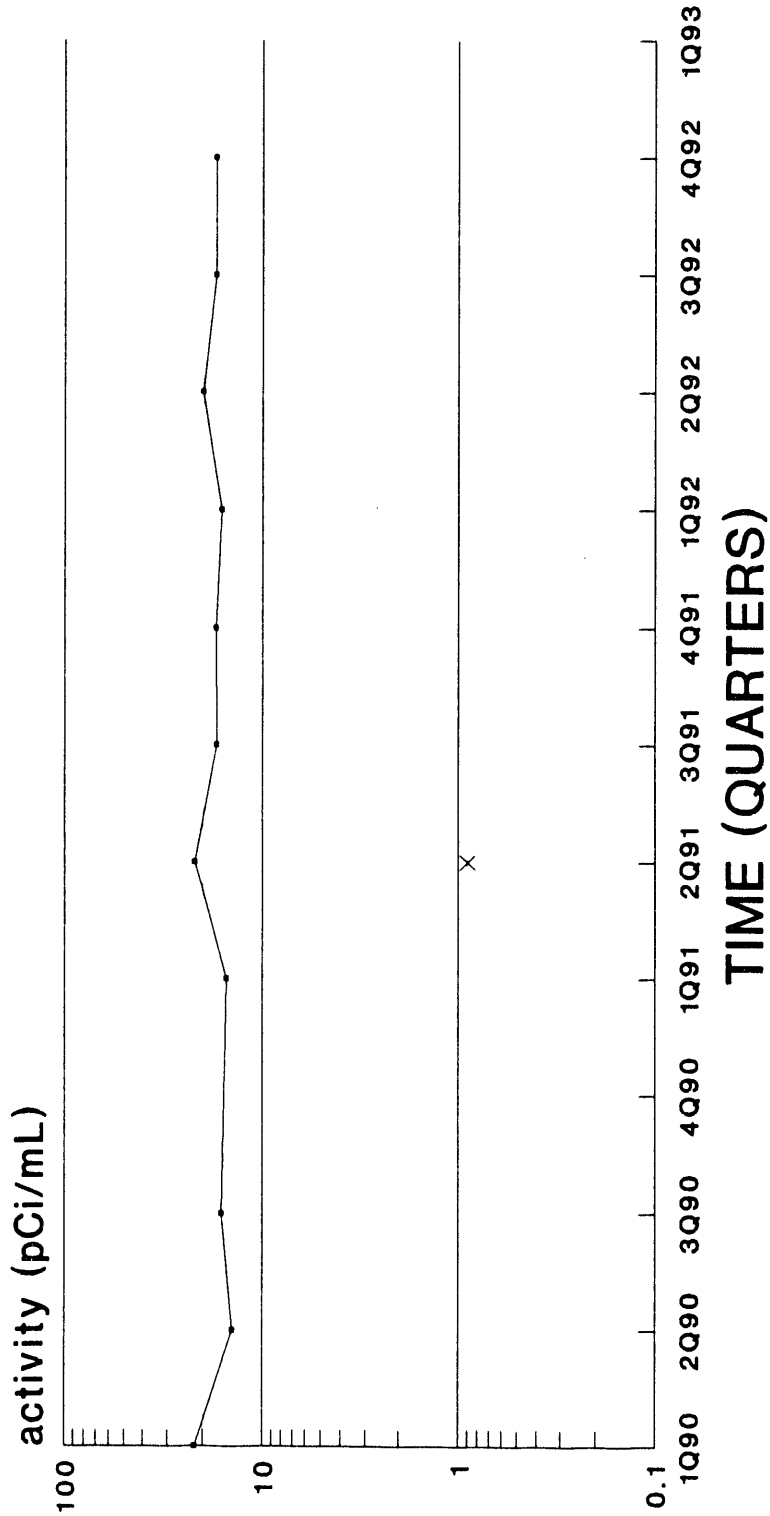
—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well



# CLUSTER - HSB132

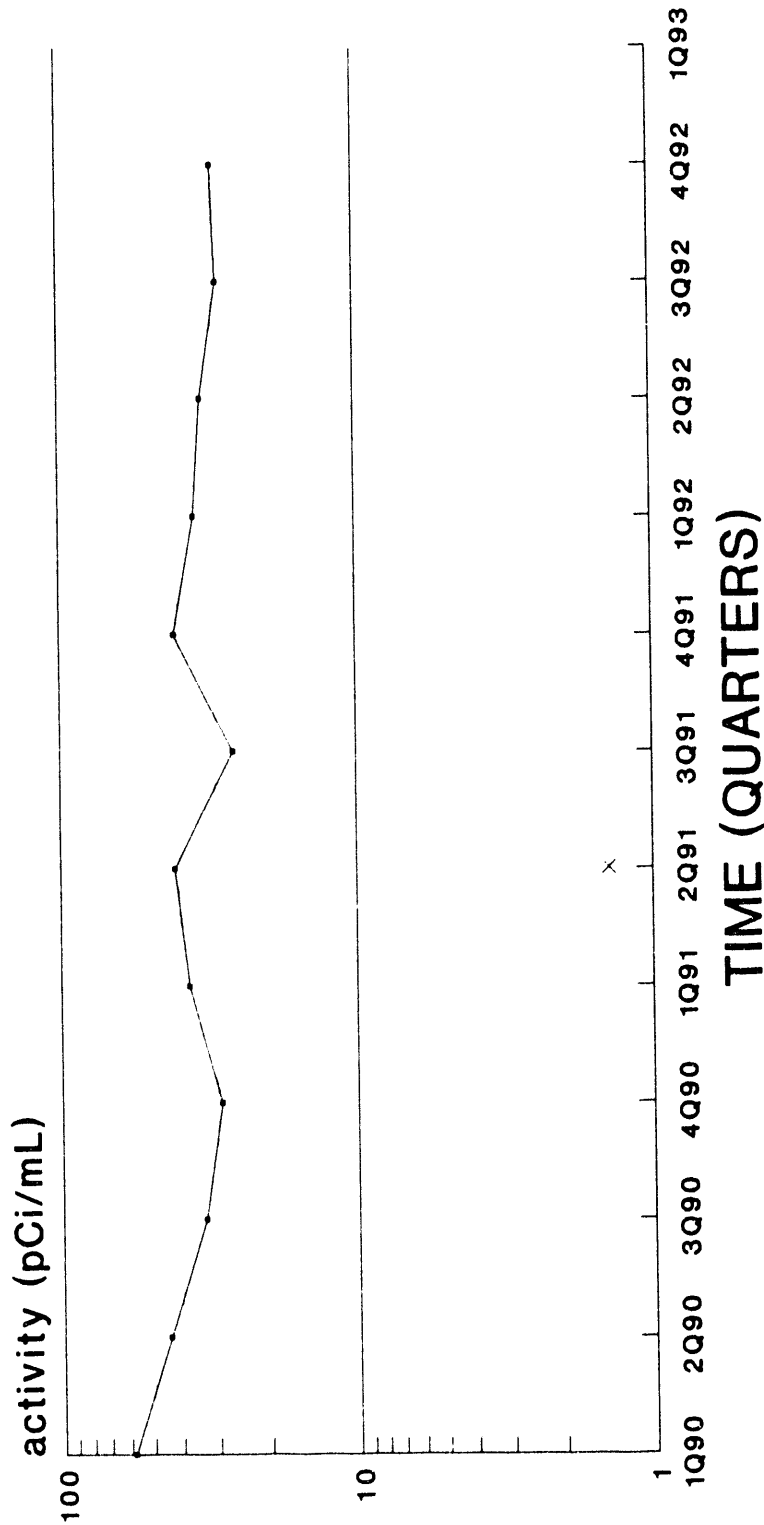
## Tritium



—•— WATER TABLE (IIB2)    \*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB133 Tritium

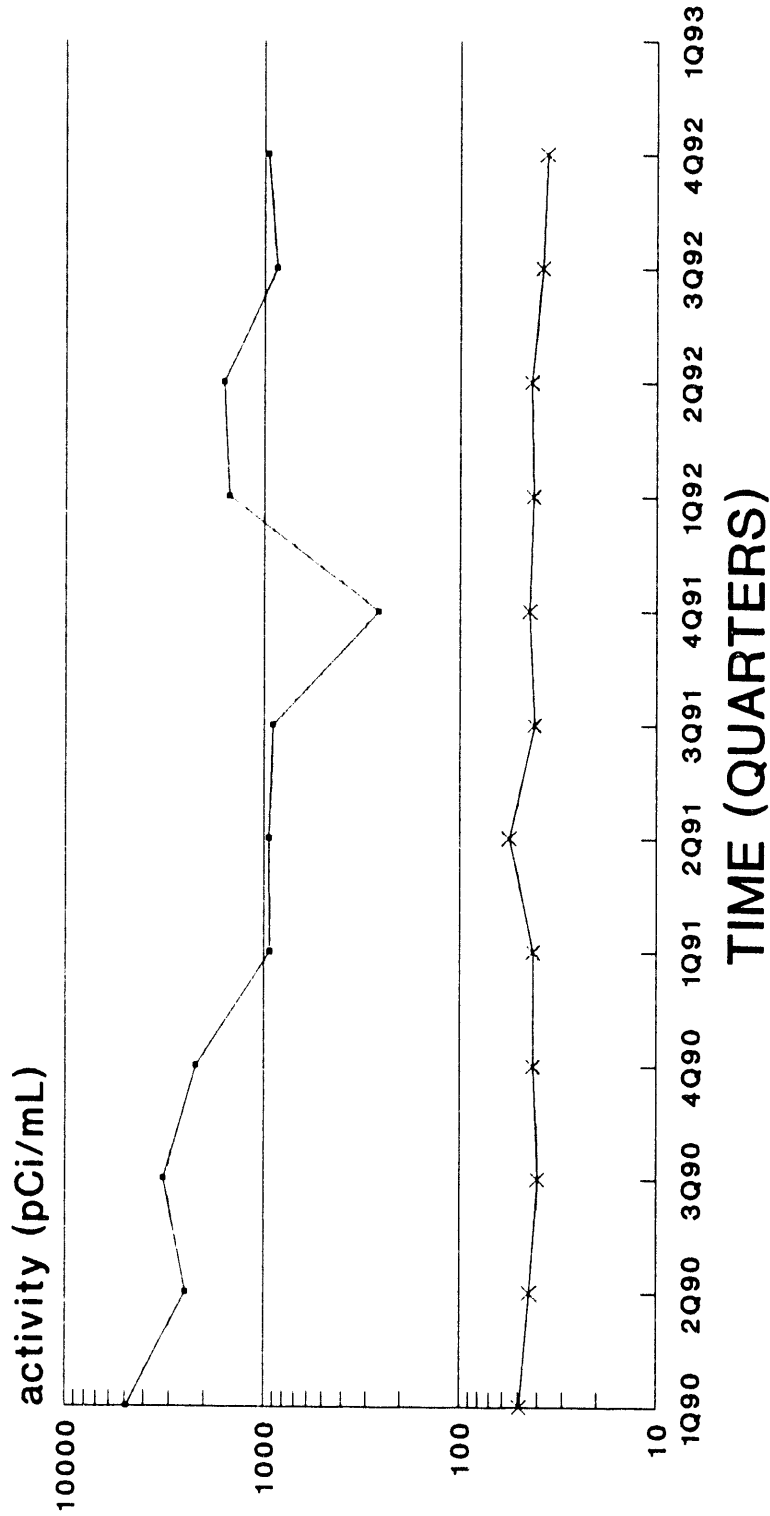


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB134

## Tritium

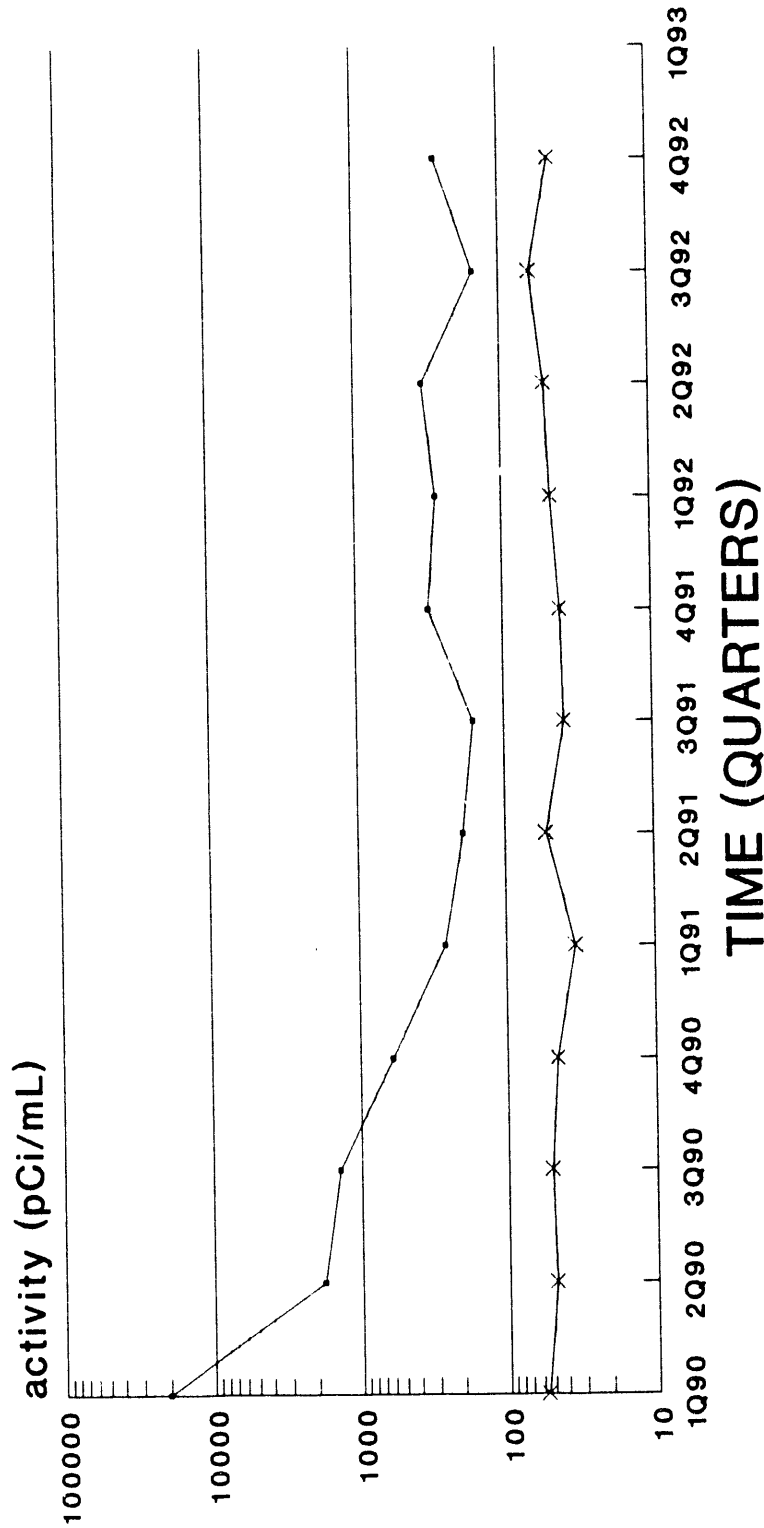


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB135

## Tritium

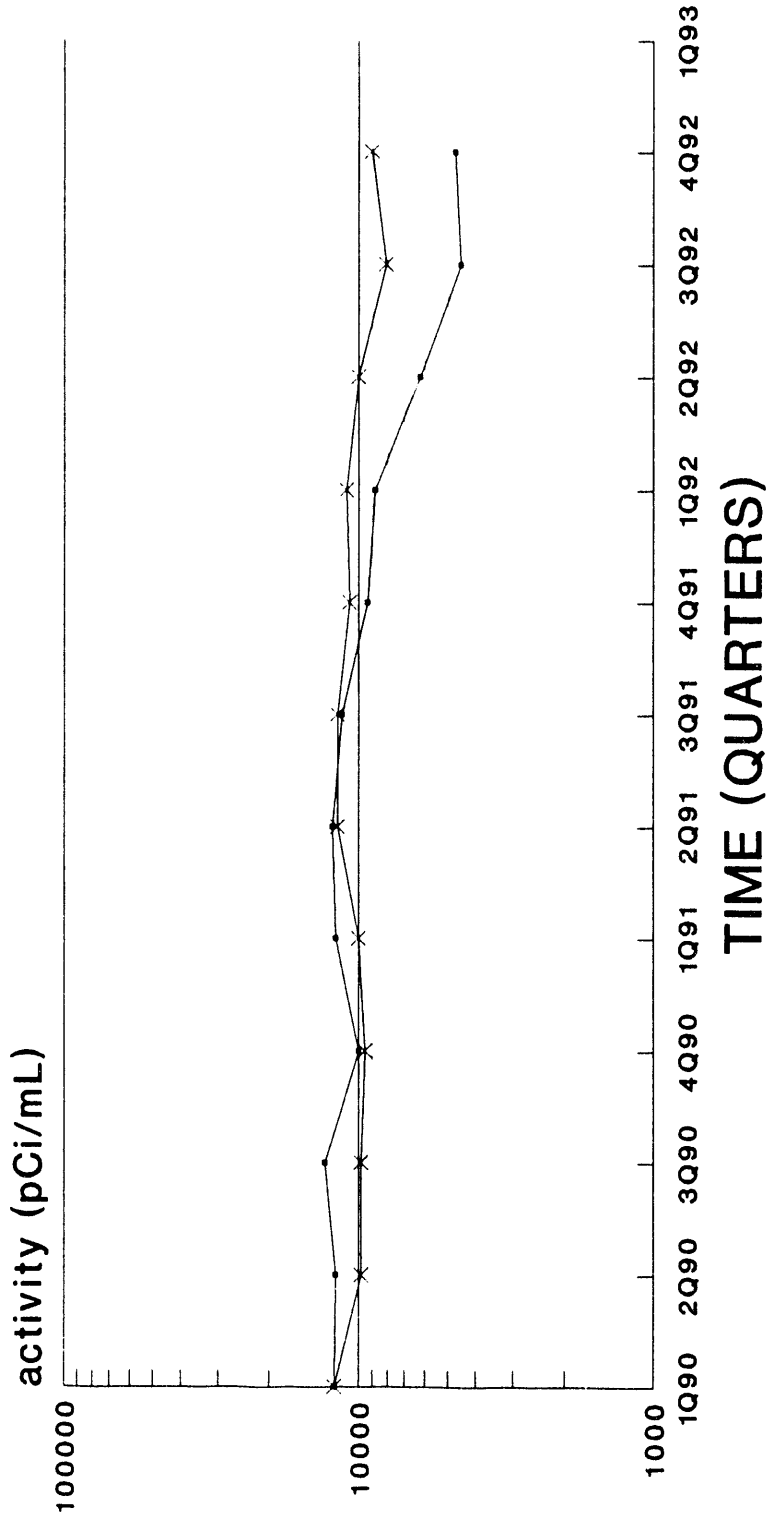


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB136

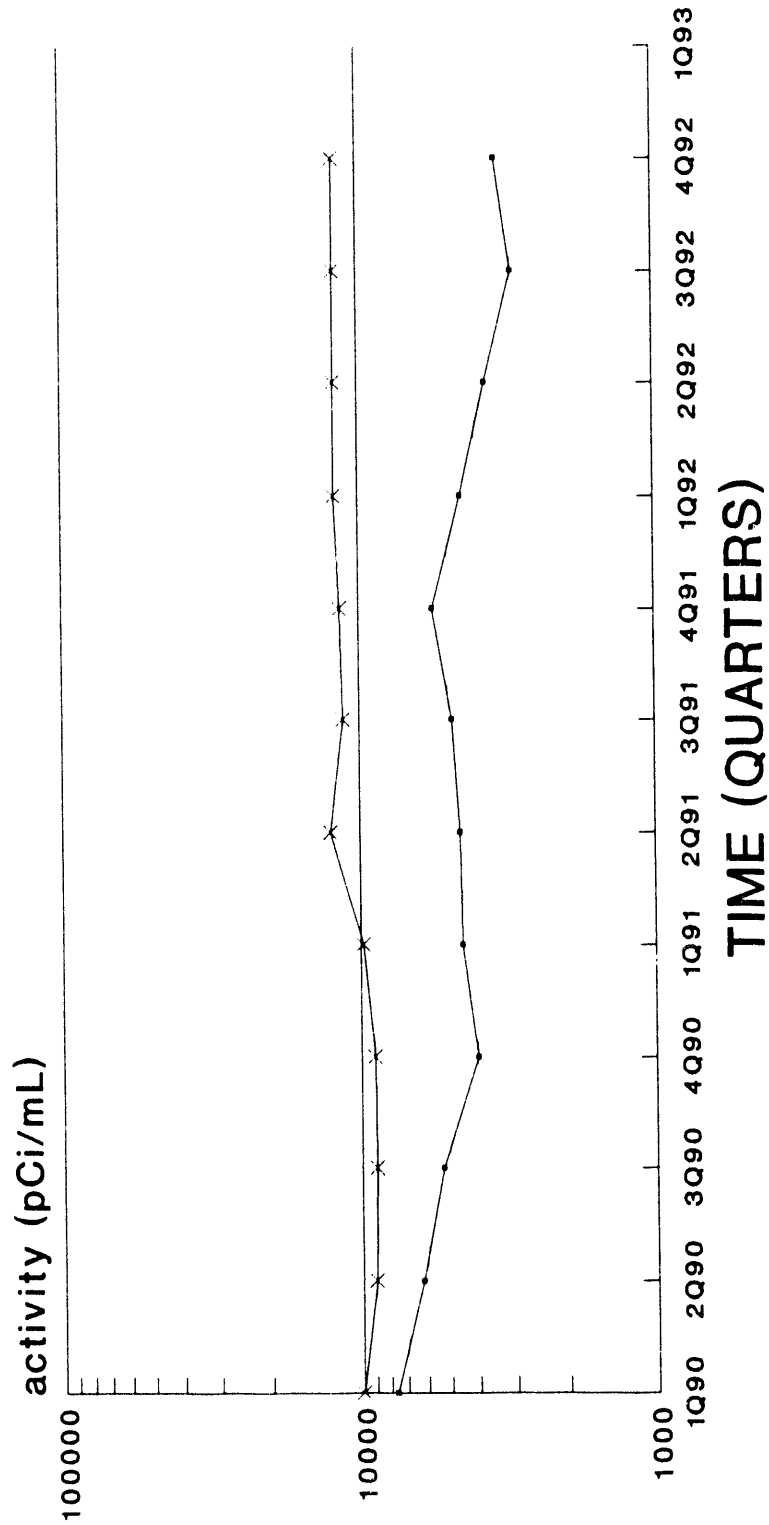
## Tritium



—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

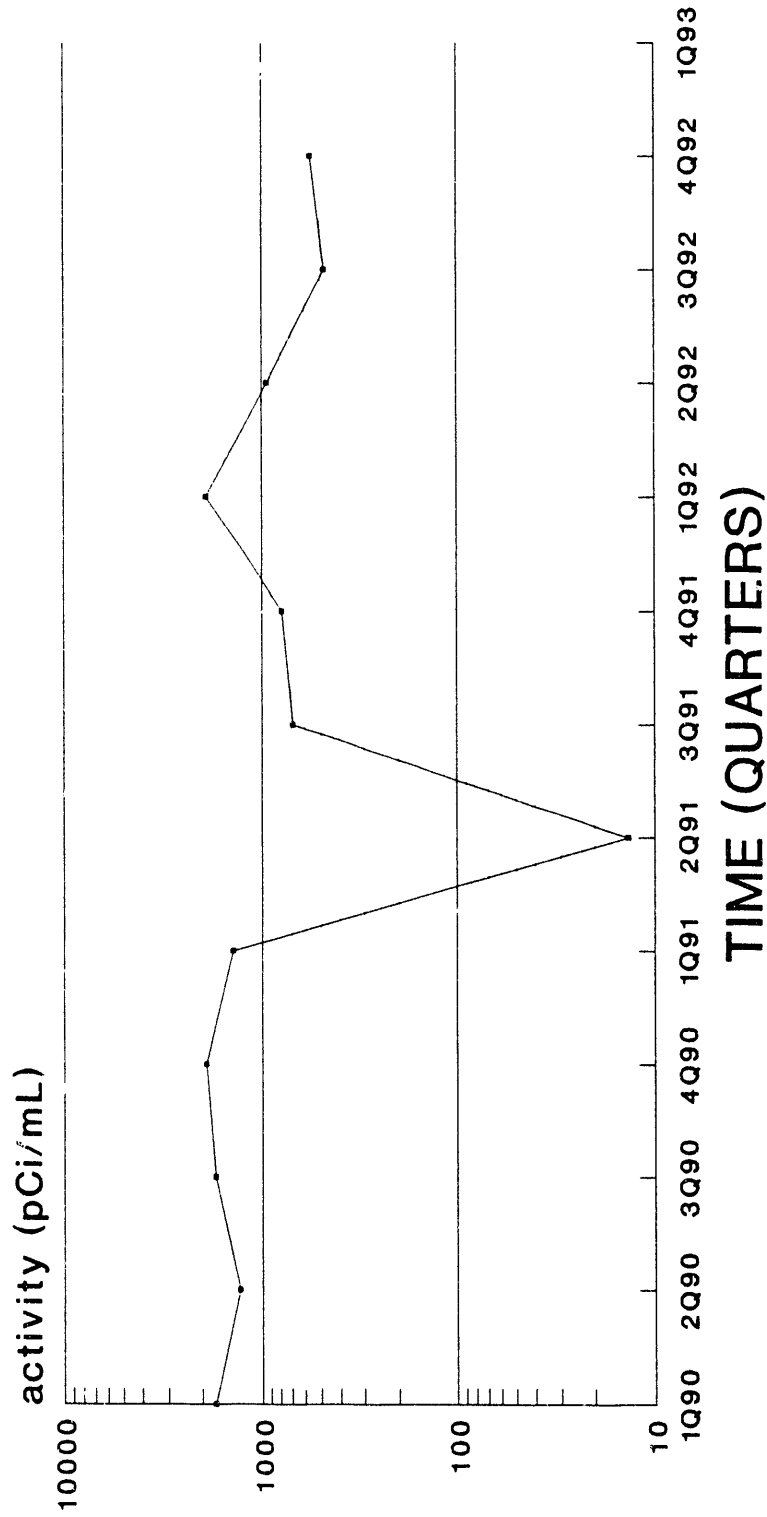
# CLUSTER - HSB137 Tritium



—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# HSB138D Tritium

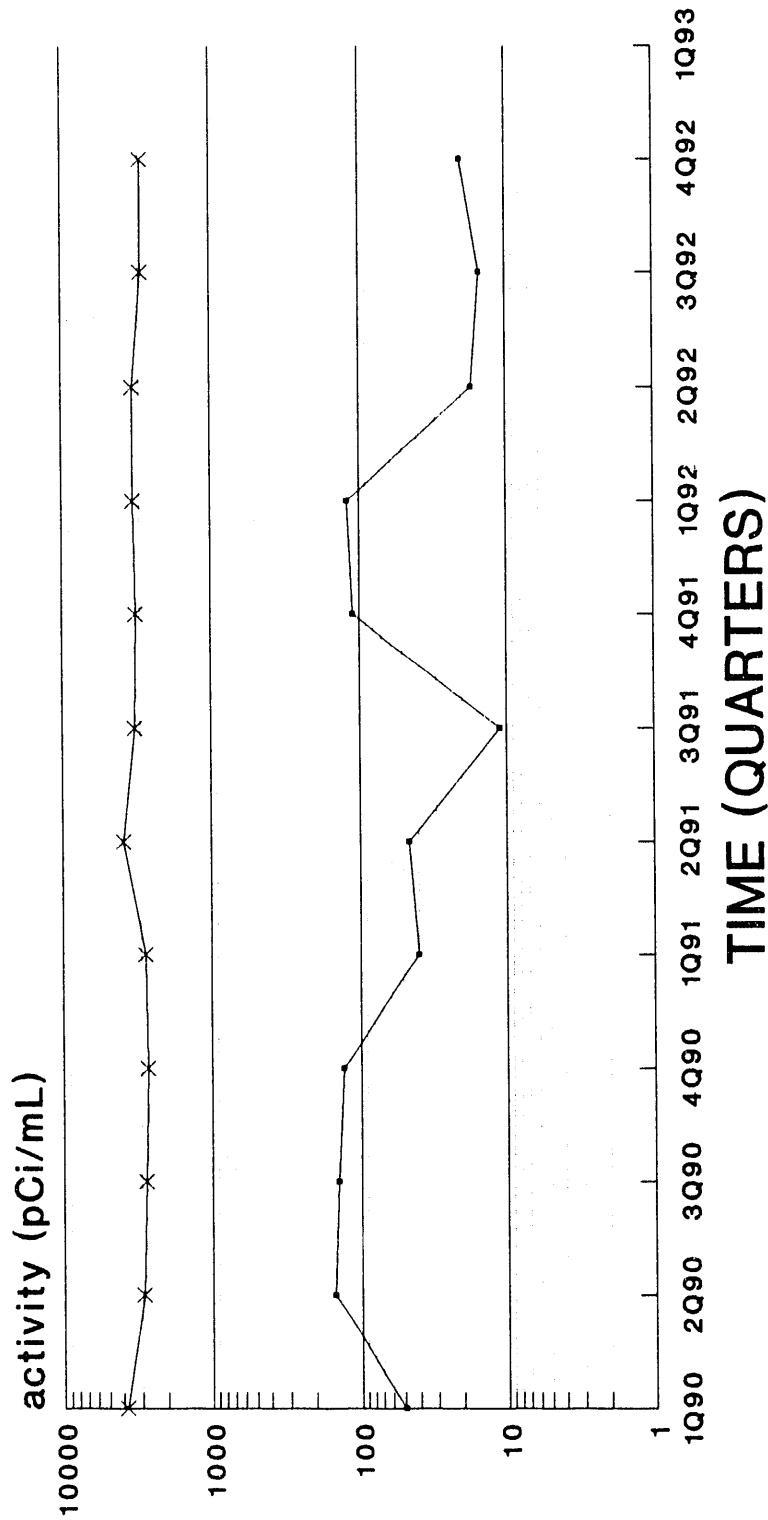


WATER TABLE (IIB2)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB139

## Tritium



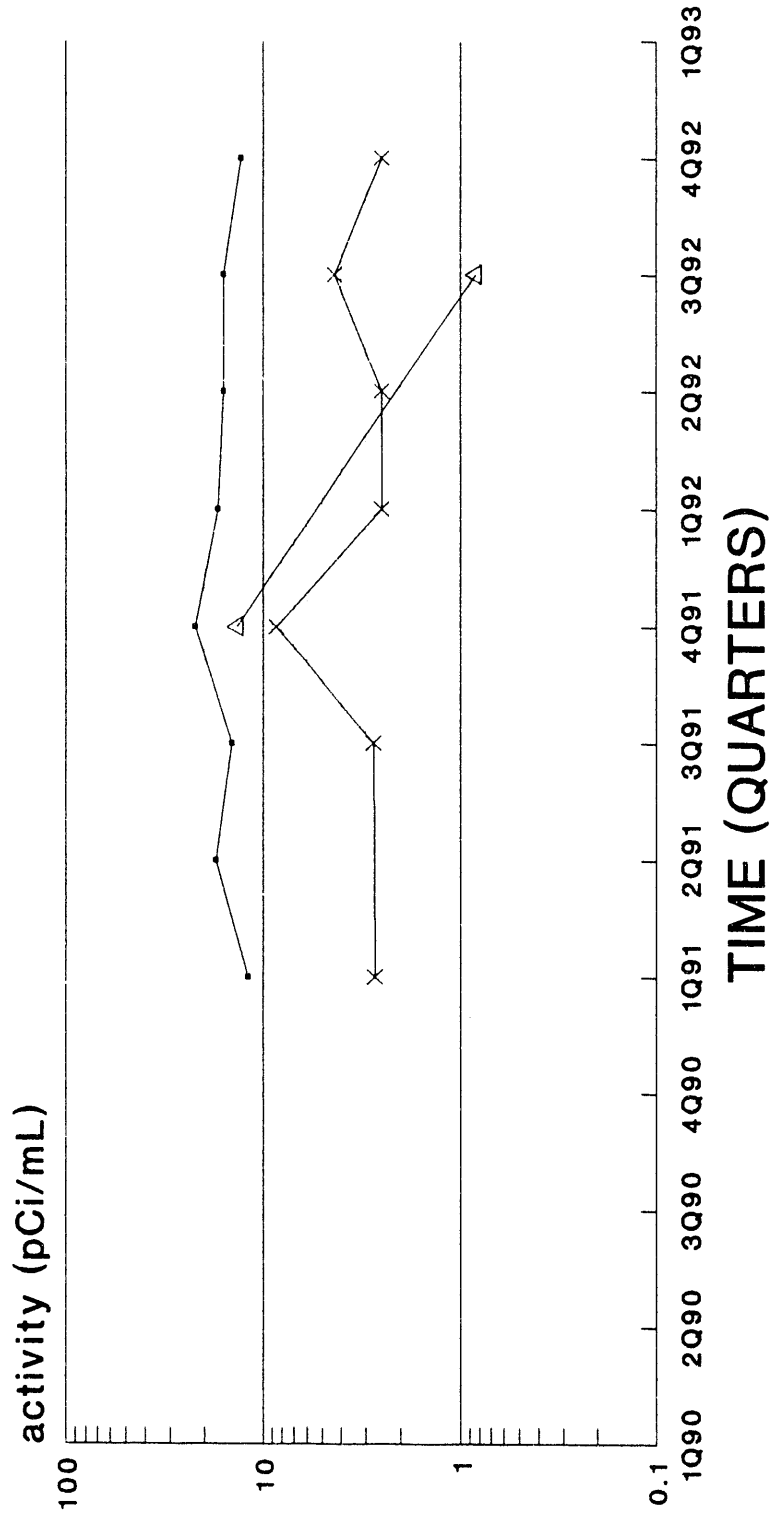
—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well



# CLUSTER - HSB140

## Tritium

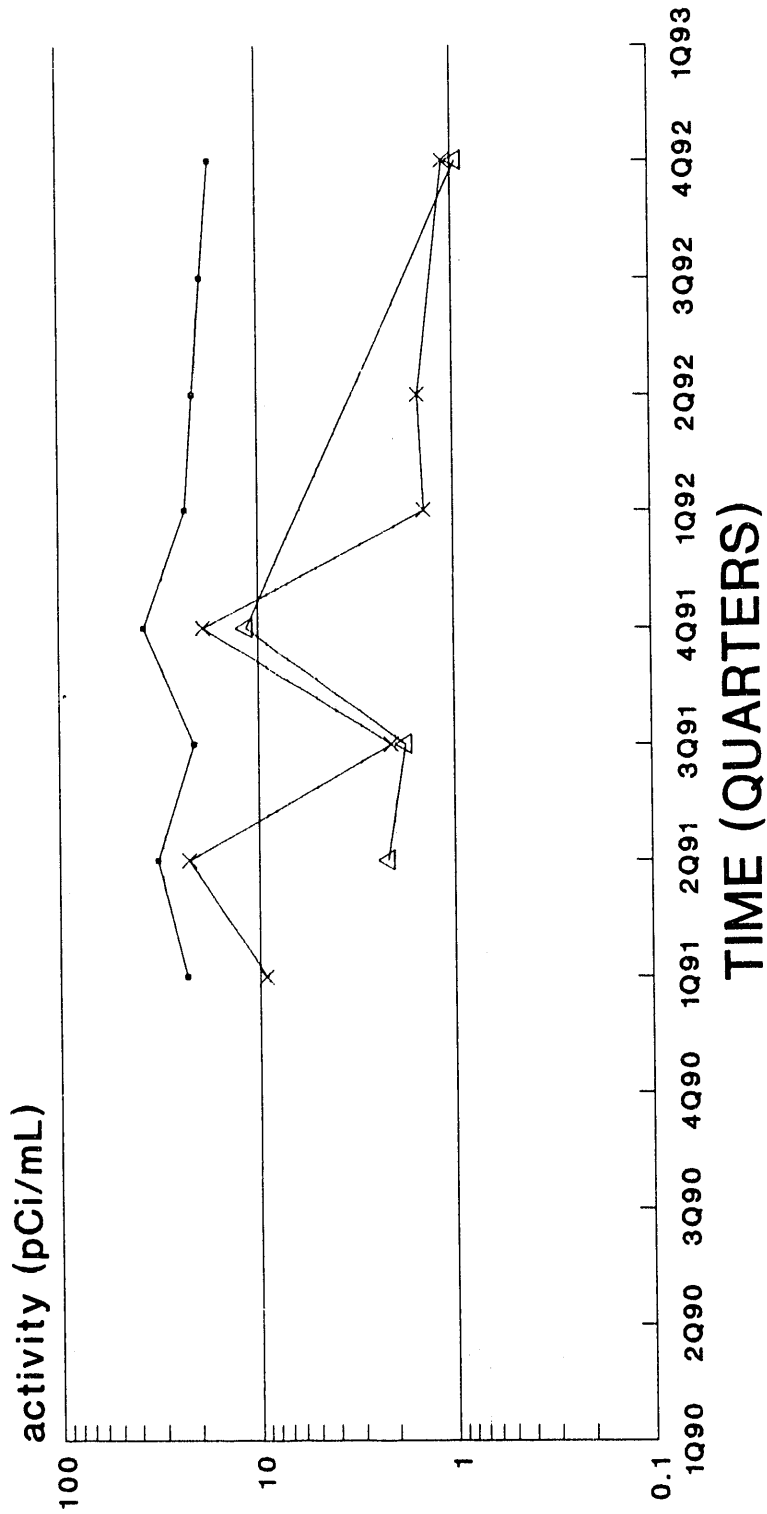


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)    —△— U. CONGAREE (IIA)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB141

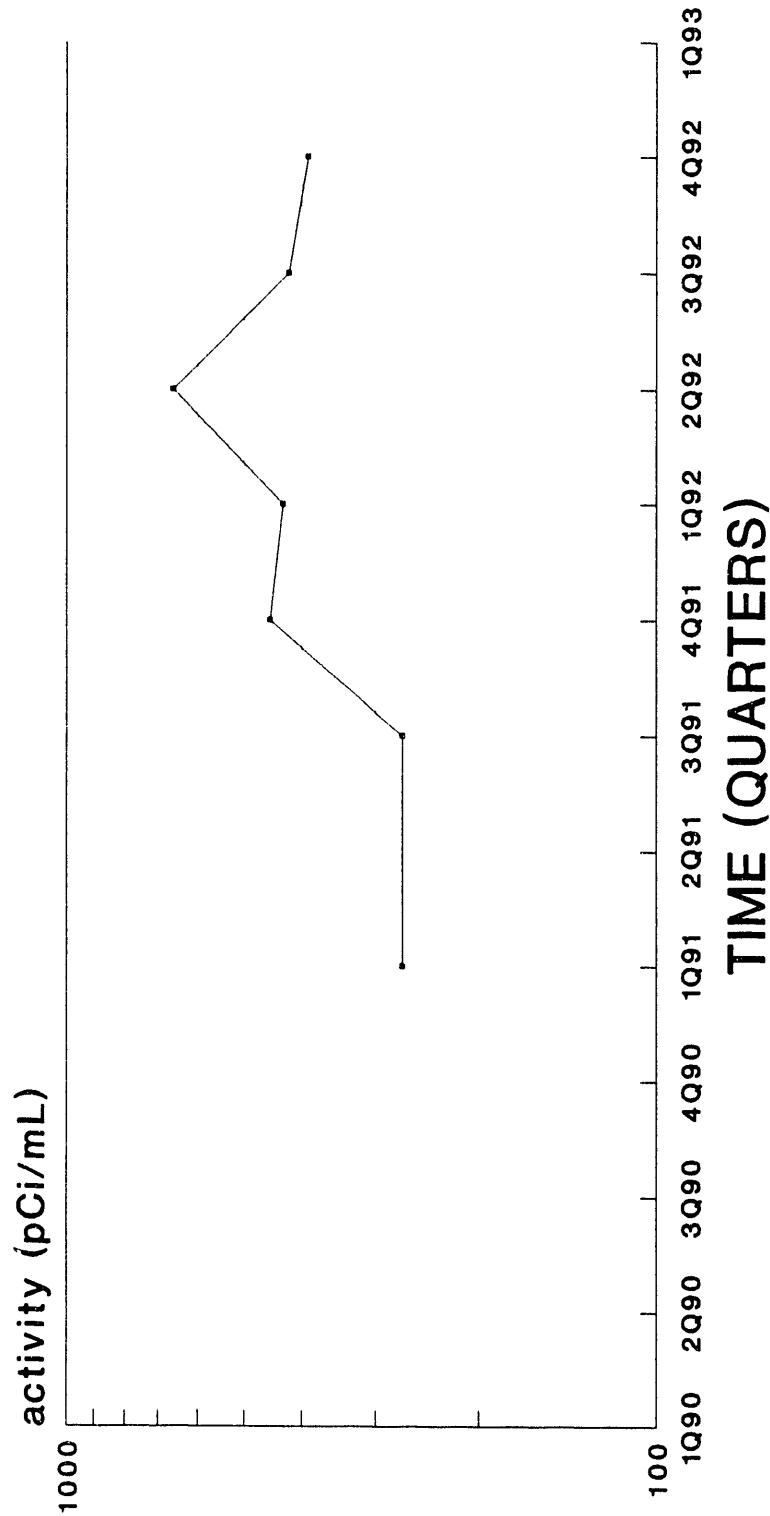
## Tritium



● WATER TABLE (IIB2)    × BARNWELL (IIB1)    △ U. CONGAREE (IIA)

PDWS 20 pCi/mL  
 empty space denotes no data or dry well

# HSB142D Tritium

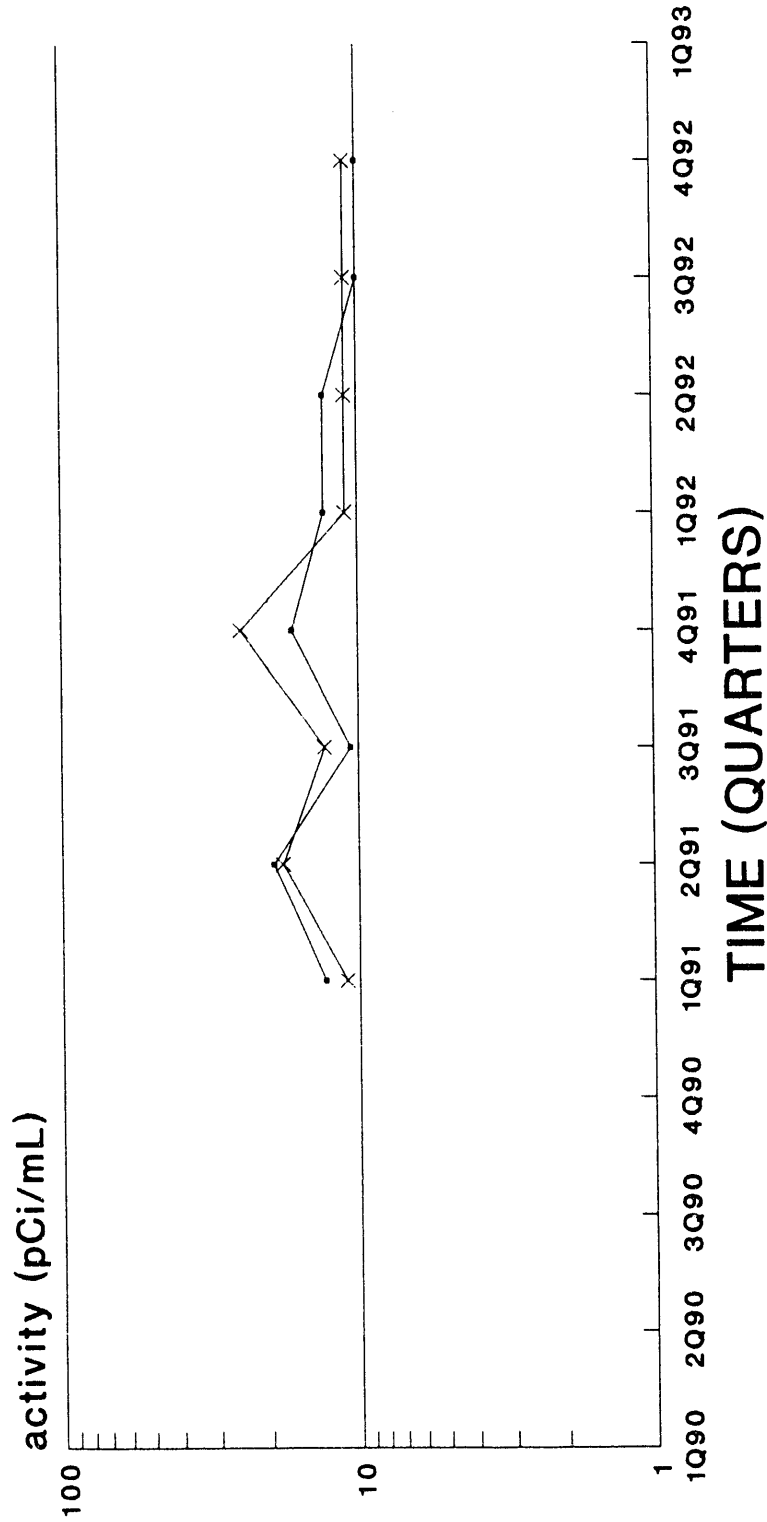


WATER TABLE (IIB2)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

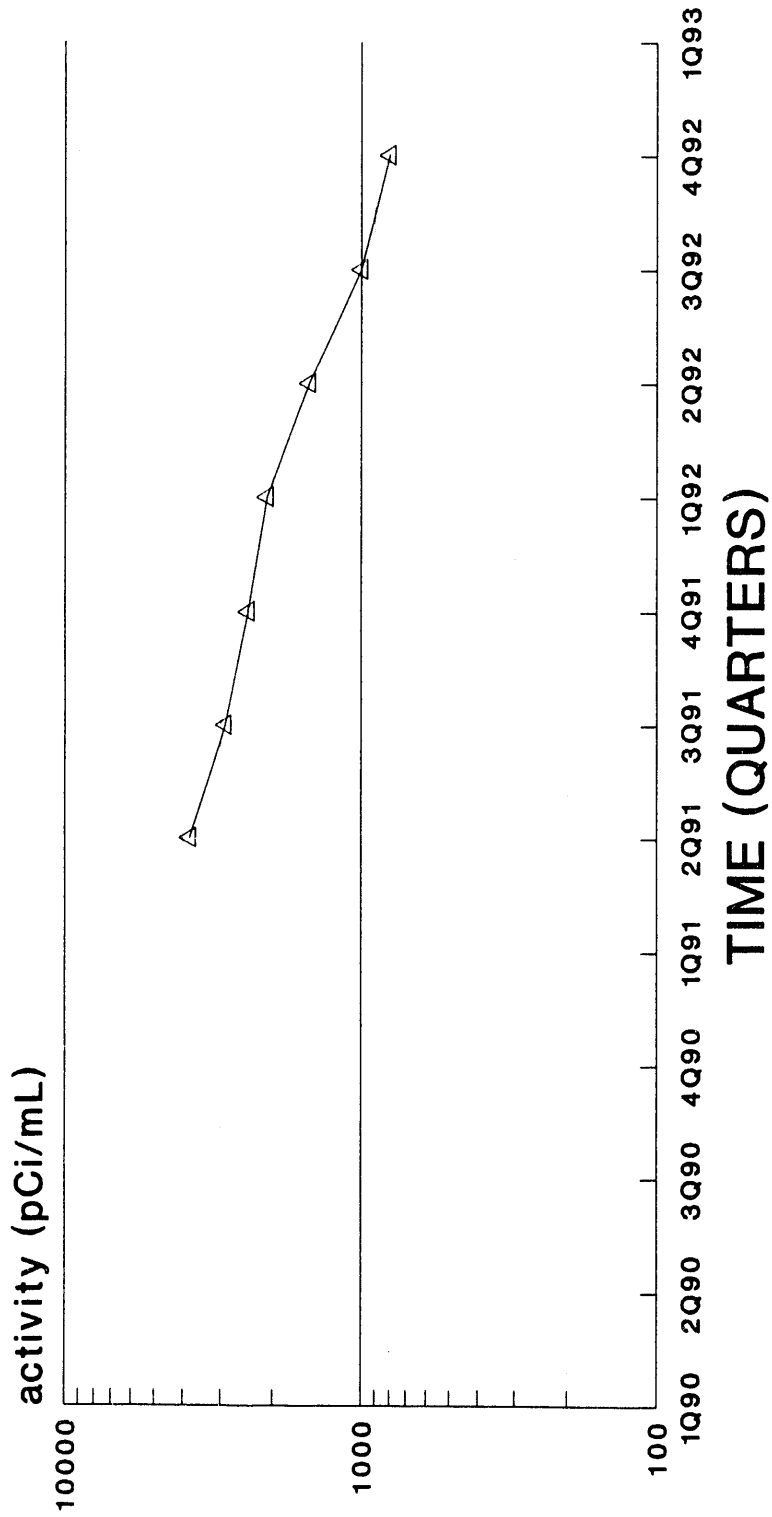
# CLUSTER - HSB143

## Tritium



PDWS 20 pCi/mL  
empty space denotes no data or dry well

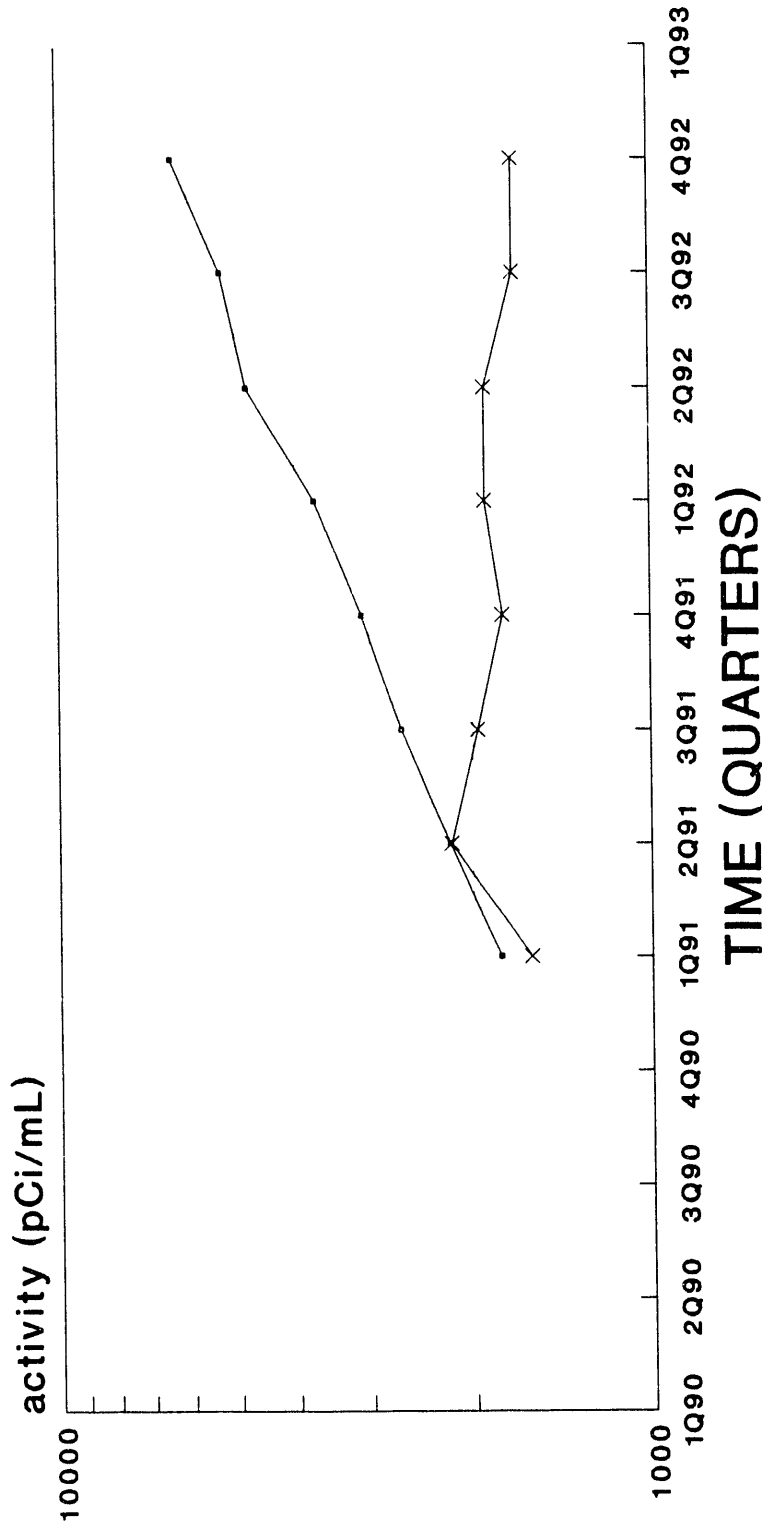
# HSB144A Tritium



U. CONGAREE (IIA)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB145 Tritium

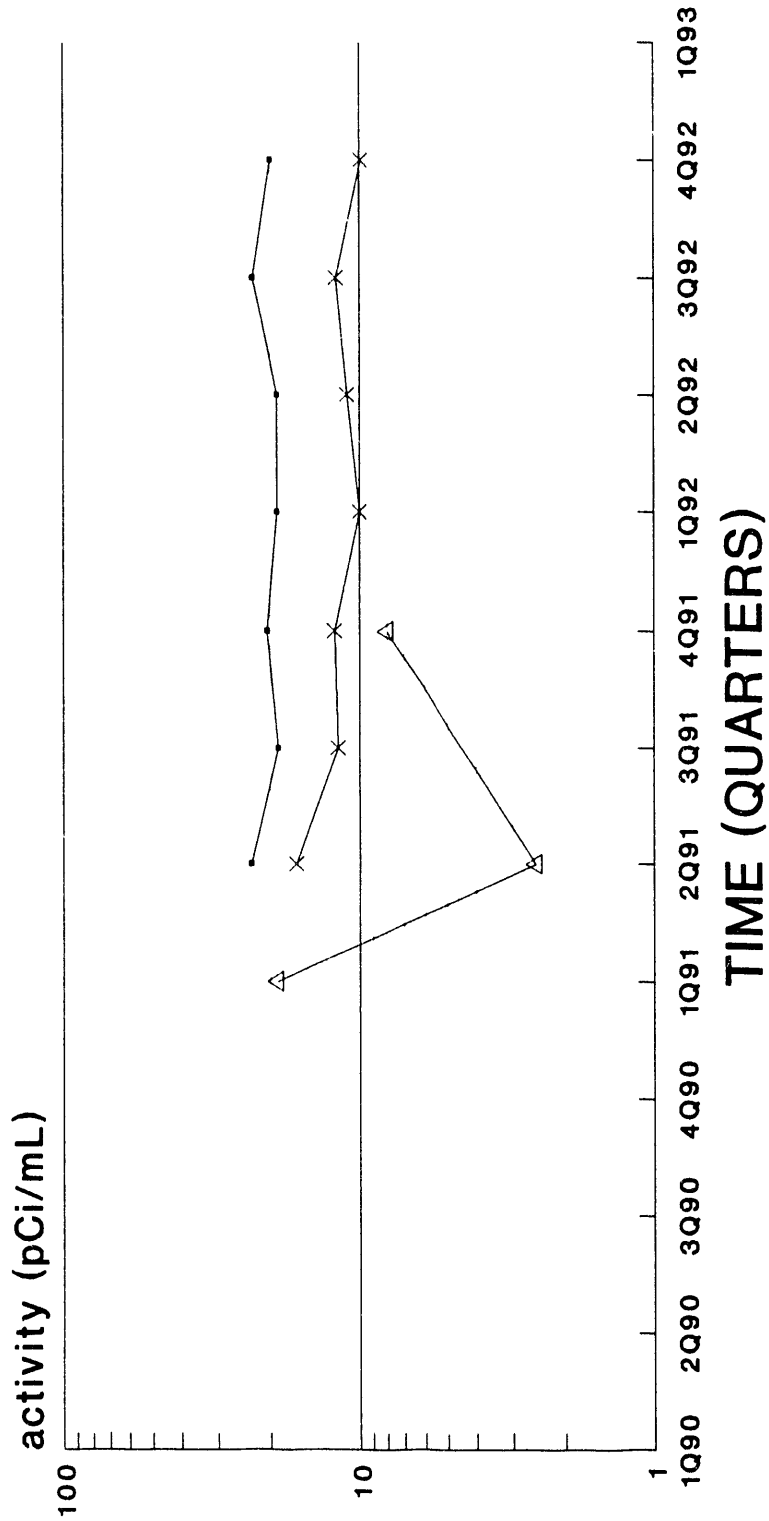


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB146

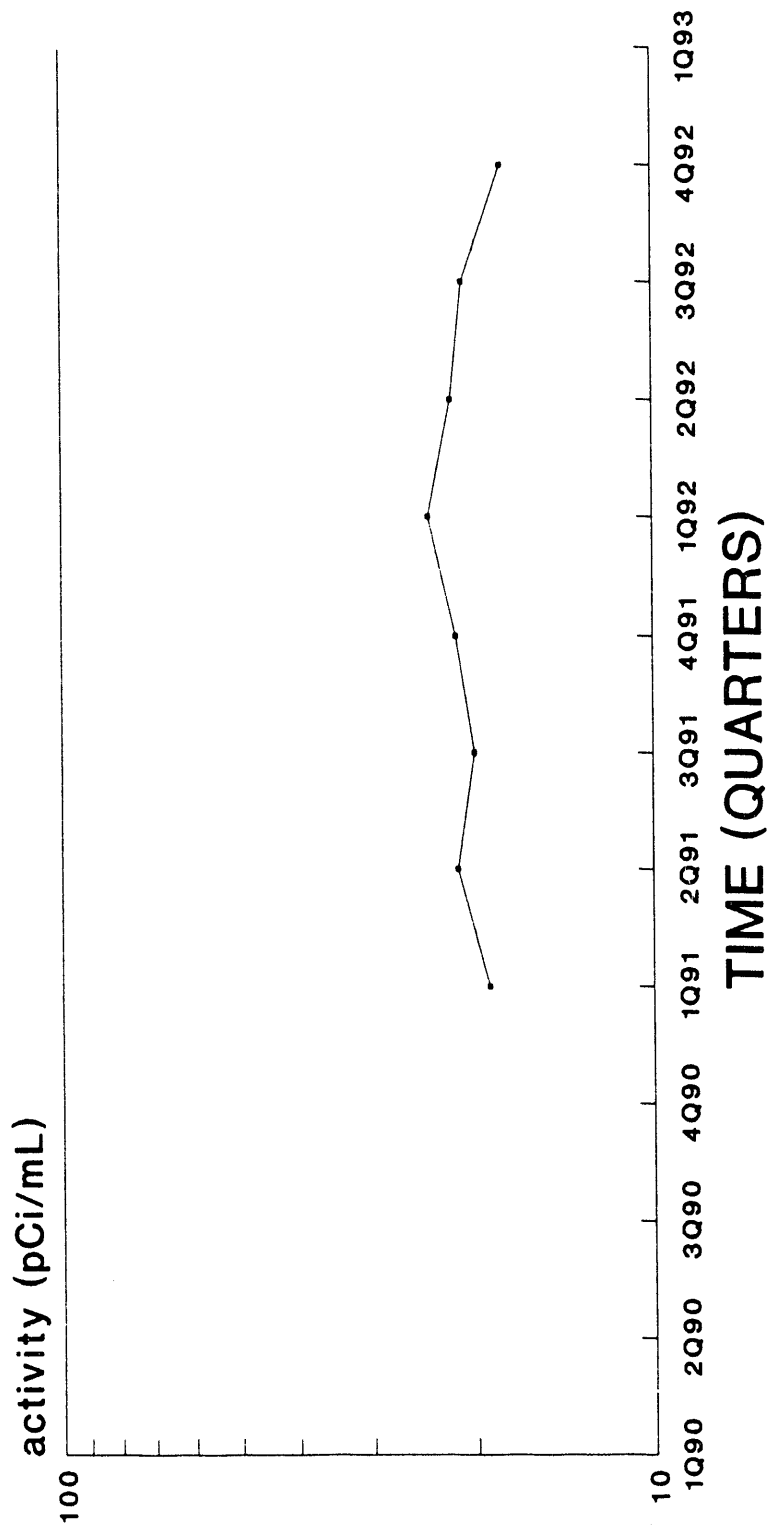
## Tritium



—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)    —△— U. CONGAREE (IIA)

PDWS 20 pCi/mL  
 empty space denotes no data or dry well

# HSB147D Tritium

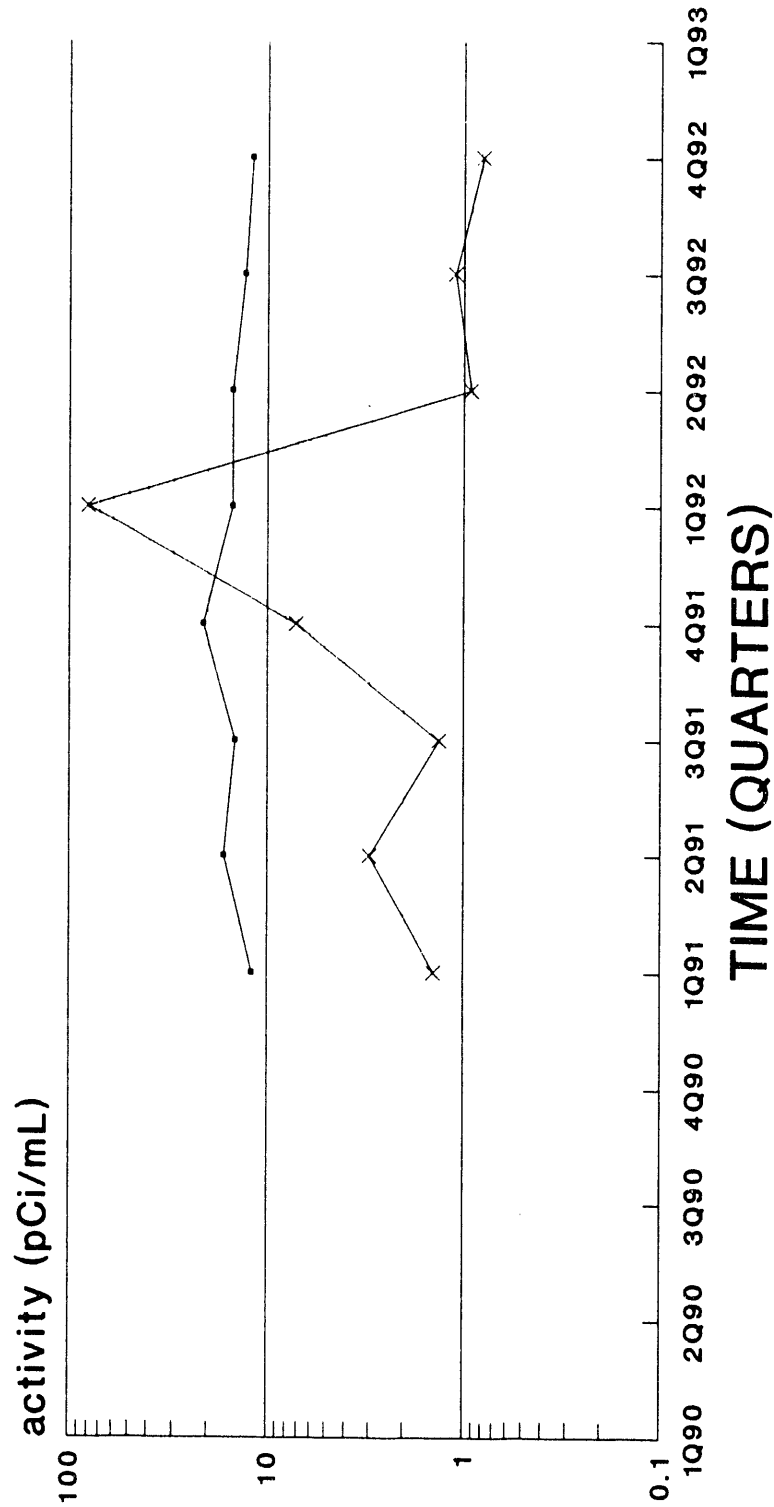


PDWS 20 pCi/mL  
empty space denotes no data or dry well



# CLUSTER - HSB148

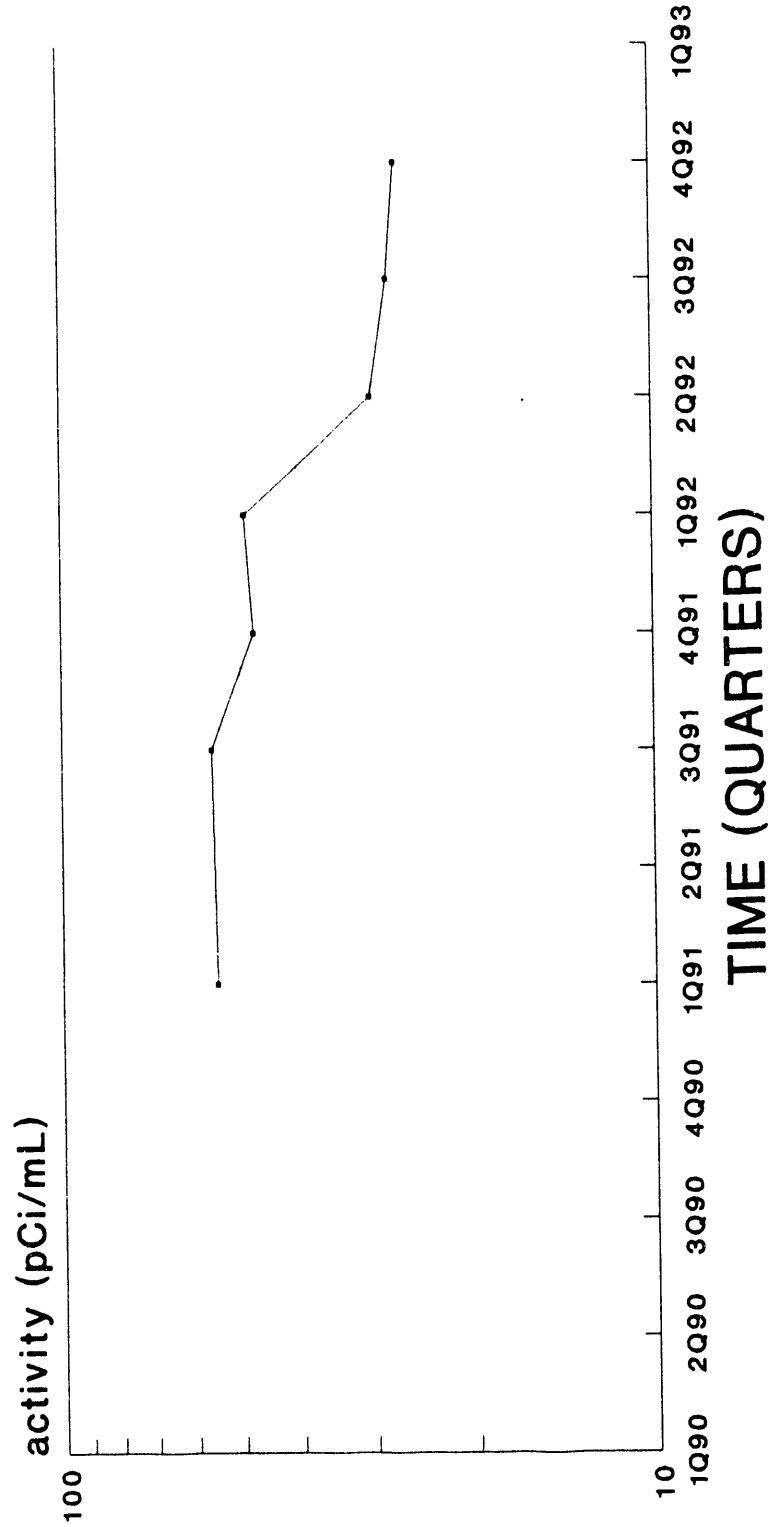
## Tritium



—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

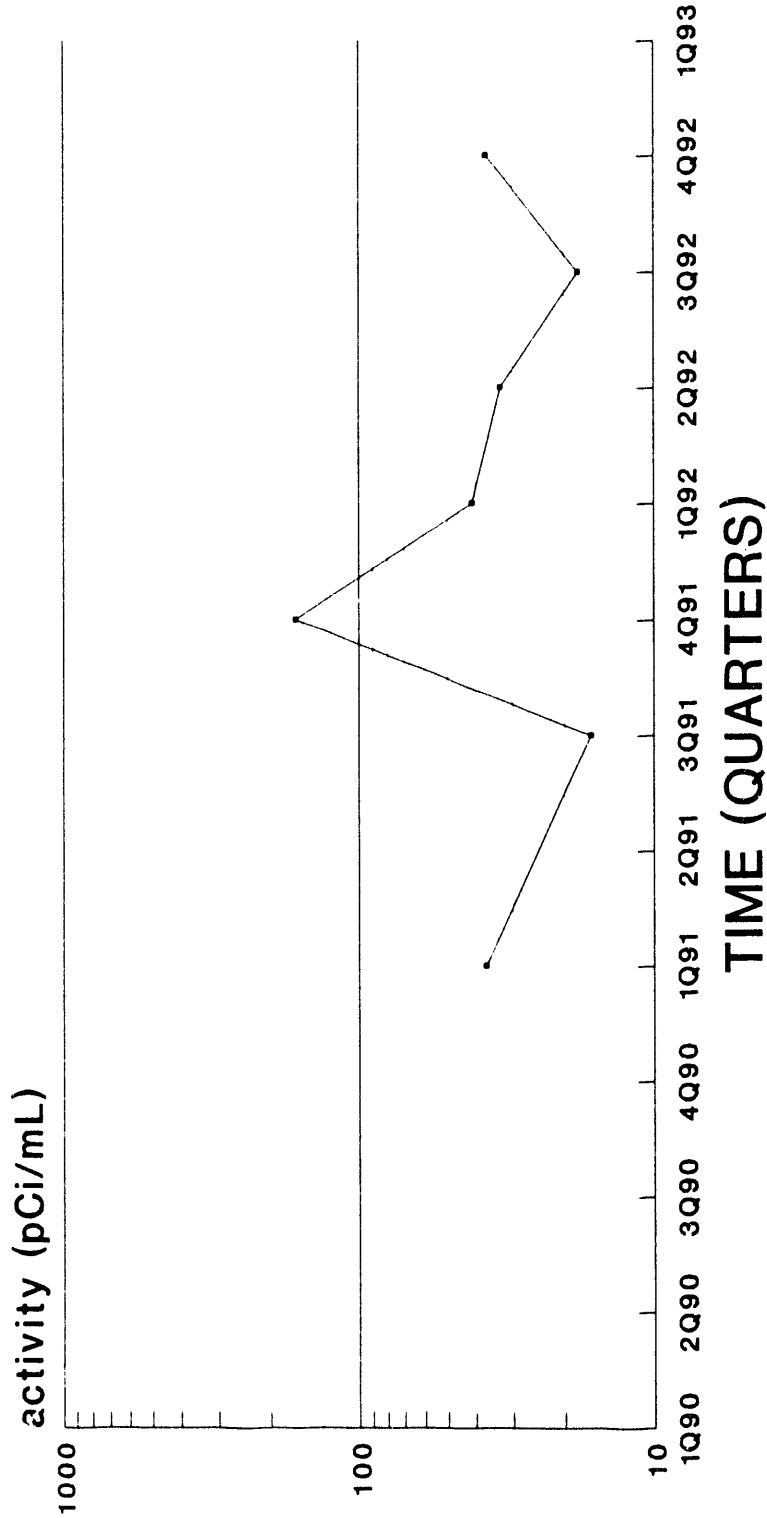
PDWS 20 pCi/mL  
empty space denotes no data or dry well

# HSB149D Tritium



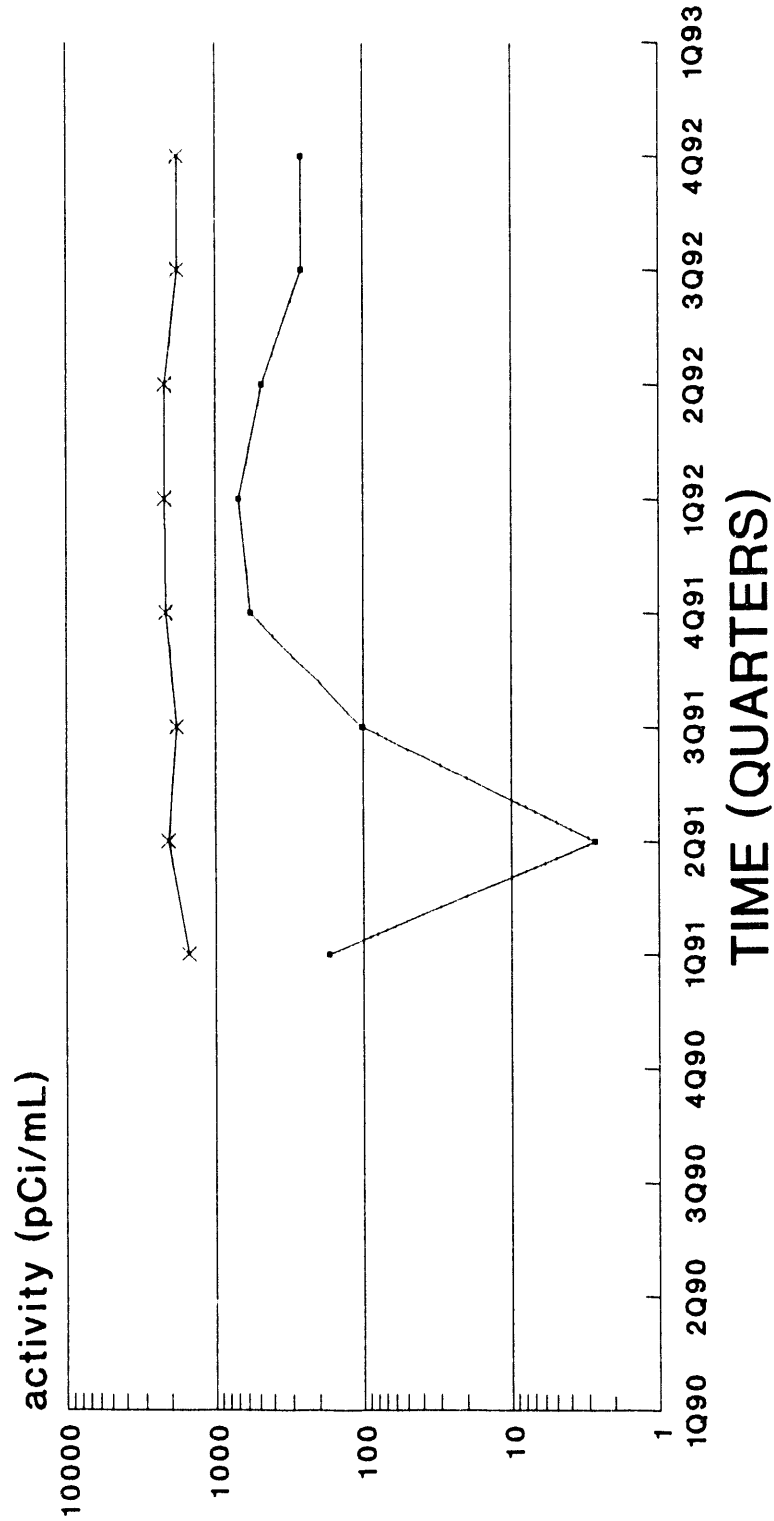
PDWS 20 pCi/mL  
empty space denotes no data or dry well

# HSB150D Tritium



PDWS 20 pCi/mL  
empty space denotes no data or dry well

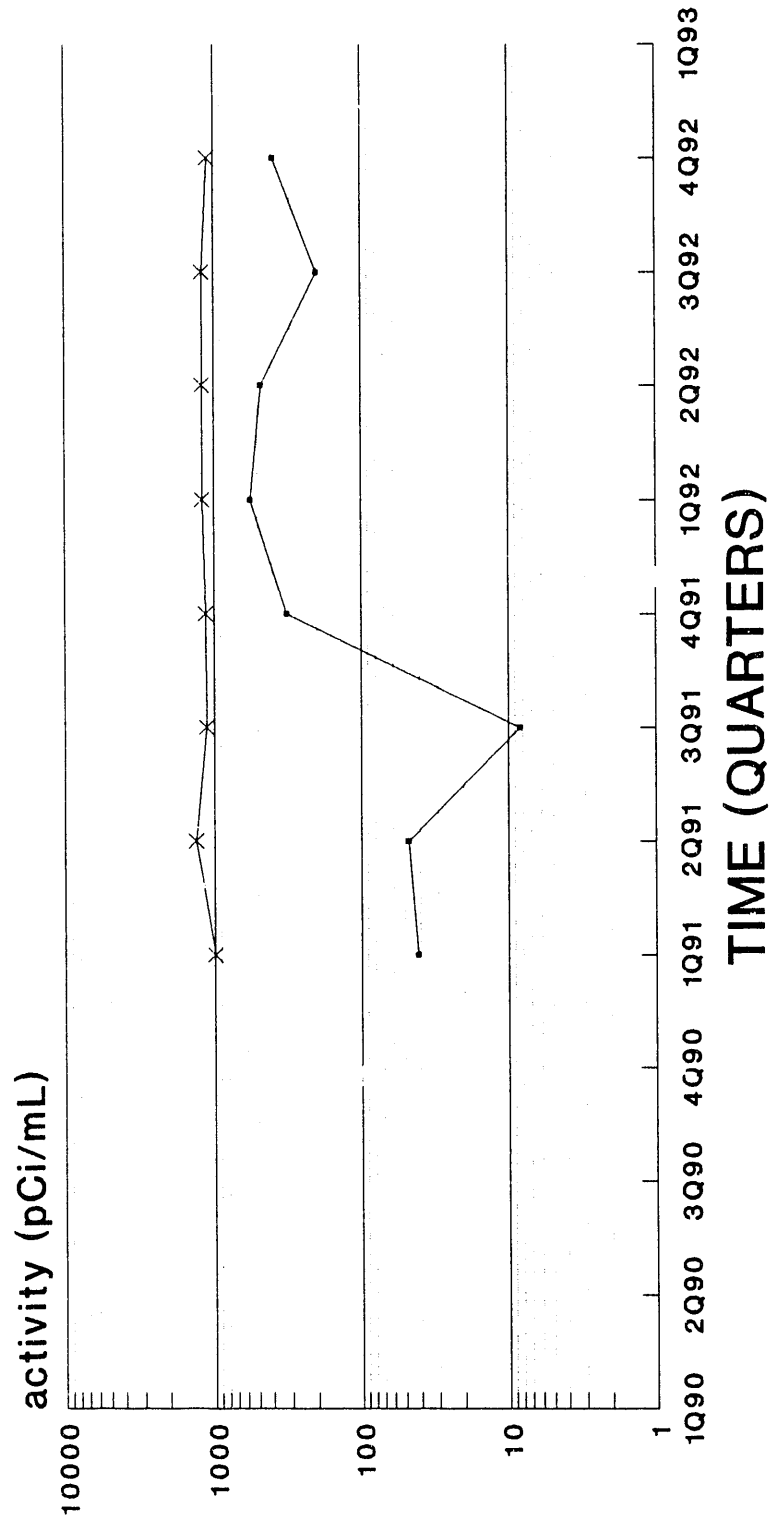
# CLUSTER - HSB151 Tritium



—•— WATER TABLE (IIB2)    \*—\* BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

# CLUSTER - HSB152 Tritium



--- WATER TABLE (IIB2)    x BARNWELL (IIB1)

PDWS 20 pCi/mL  
empty space denotes no data or dry well

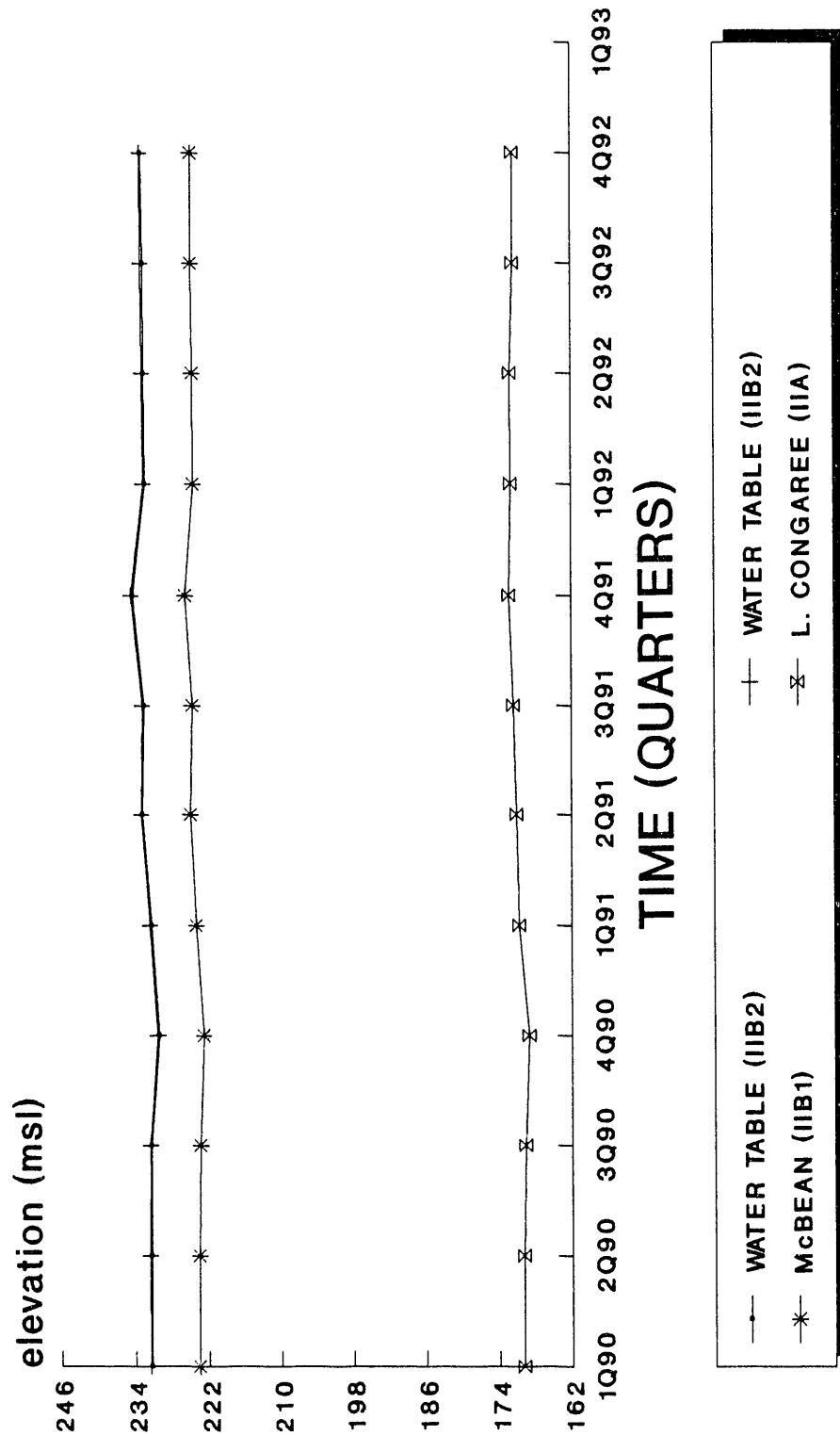


# **Appendix G – Hydrographs**

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# CLUSTER - HSB 65

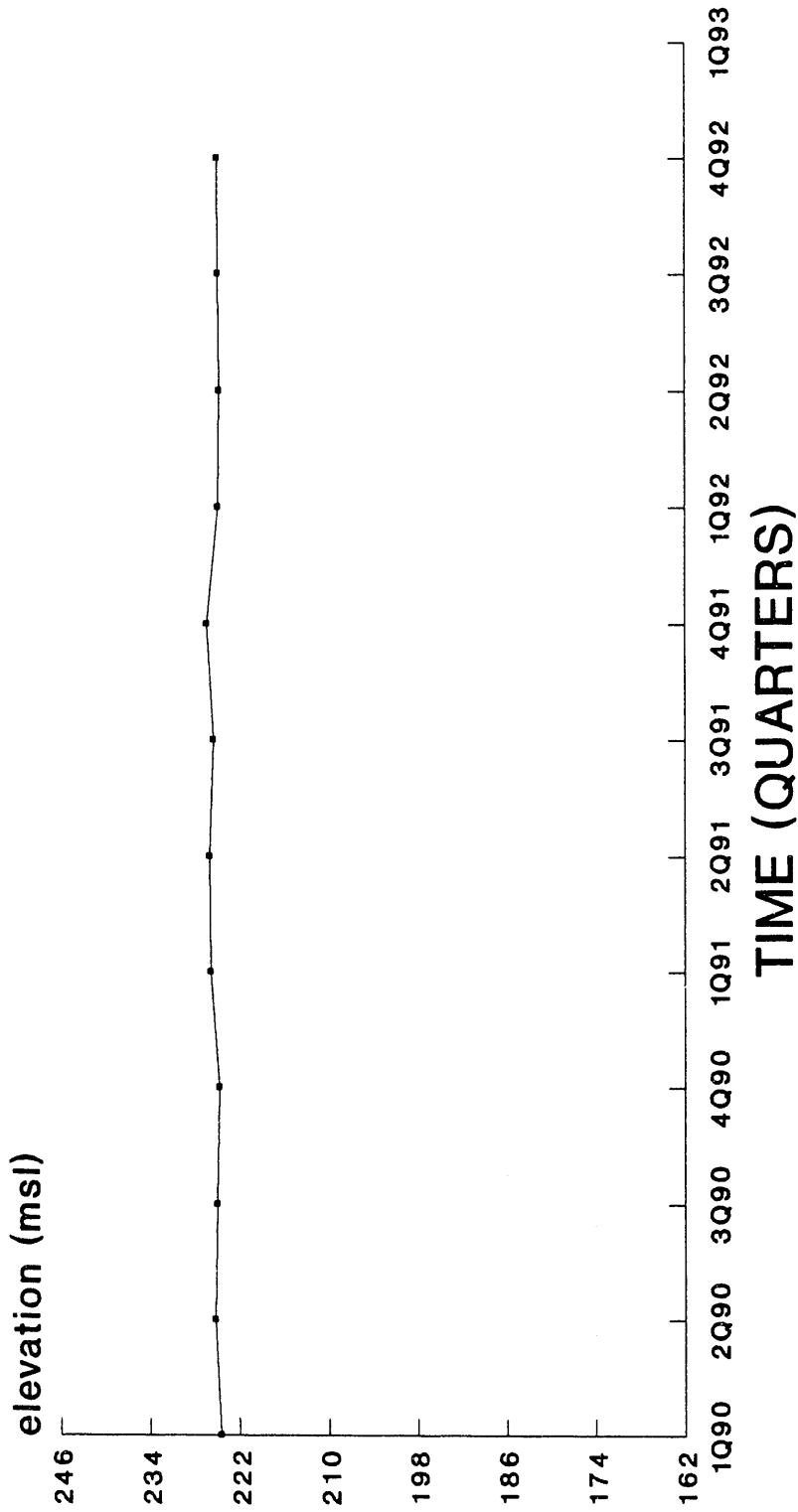
## Water Elevation



empty space denotes no data or dry well  
 1st water table: HSB 65; 2nd: HSB 65C



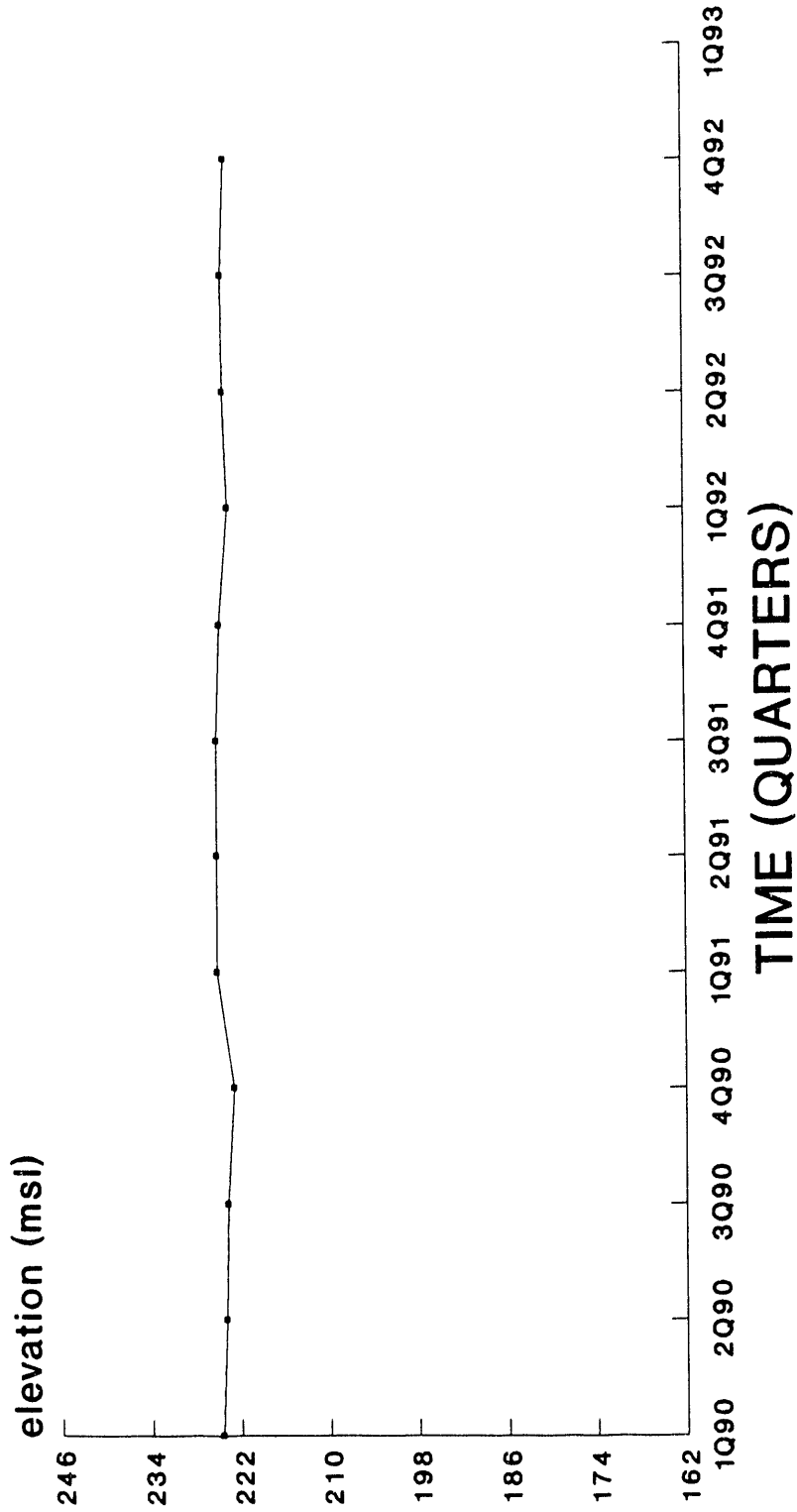
# HSB 66 Water Elevation



—•— WATER TABLE (IIB2)

empty space denotes no data or dry well

# HSB 67 Water Elevation

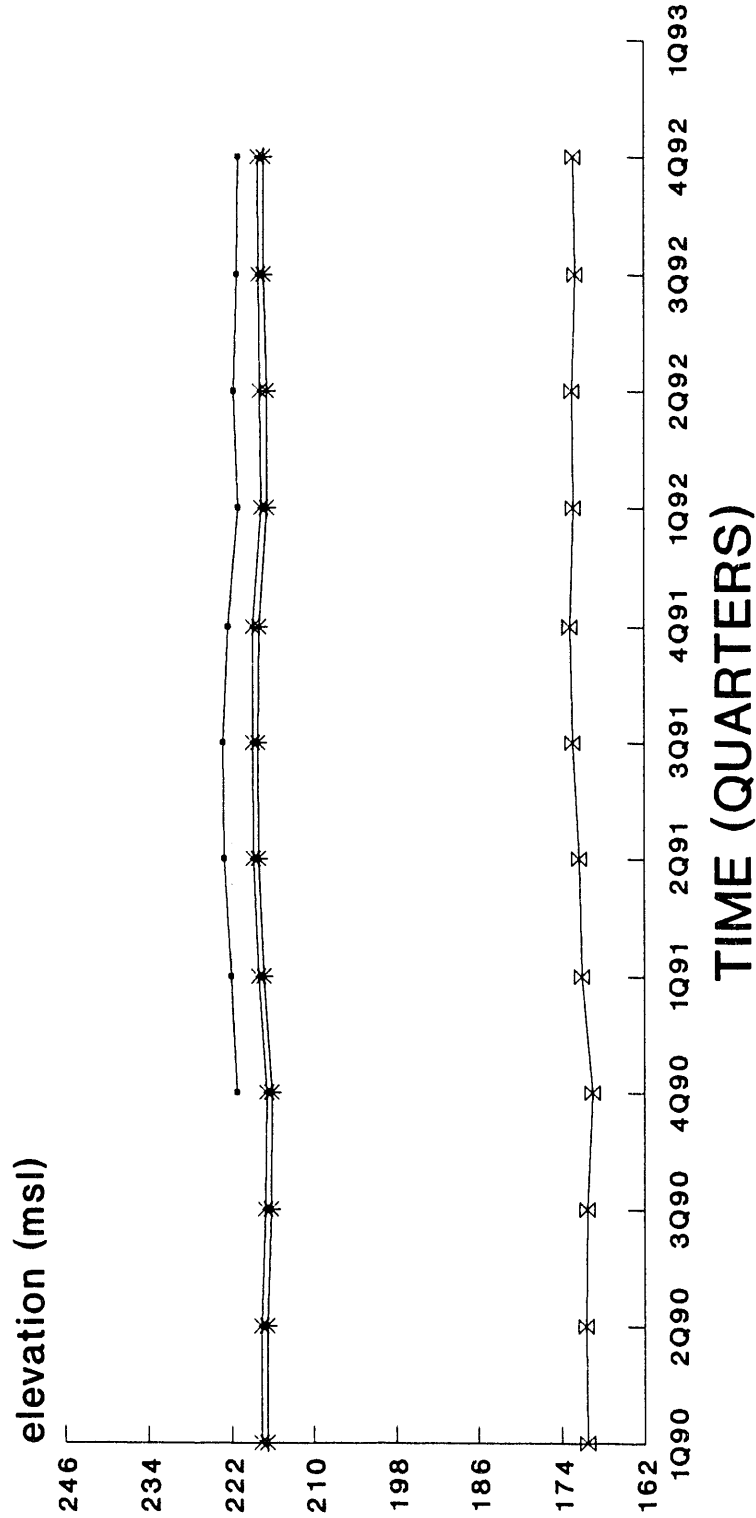


—•— WATER TABLE (IIB2)

empty space denotes no data or dry well

# CLUSTER - HSB 68

## Water Elevation

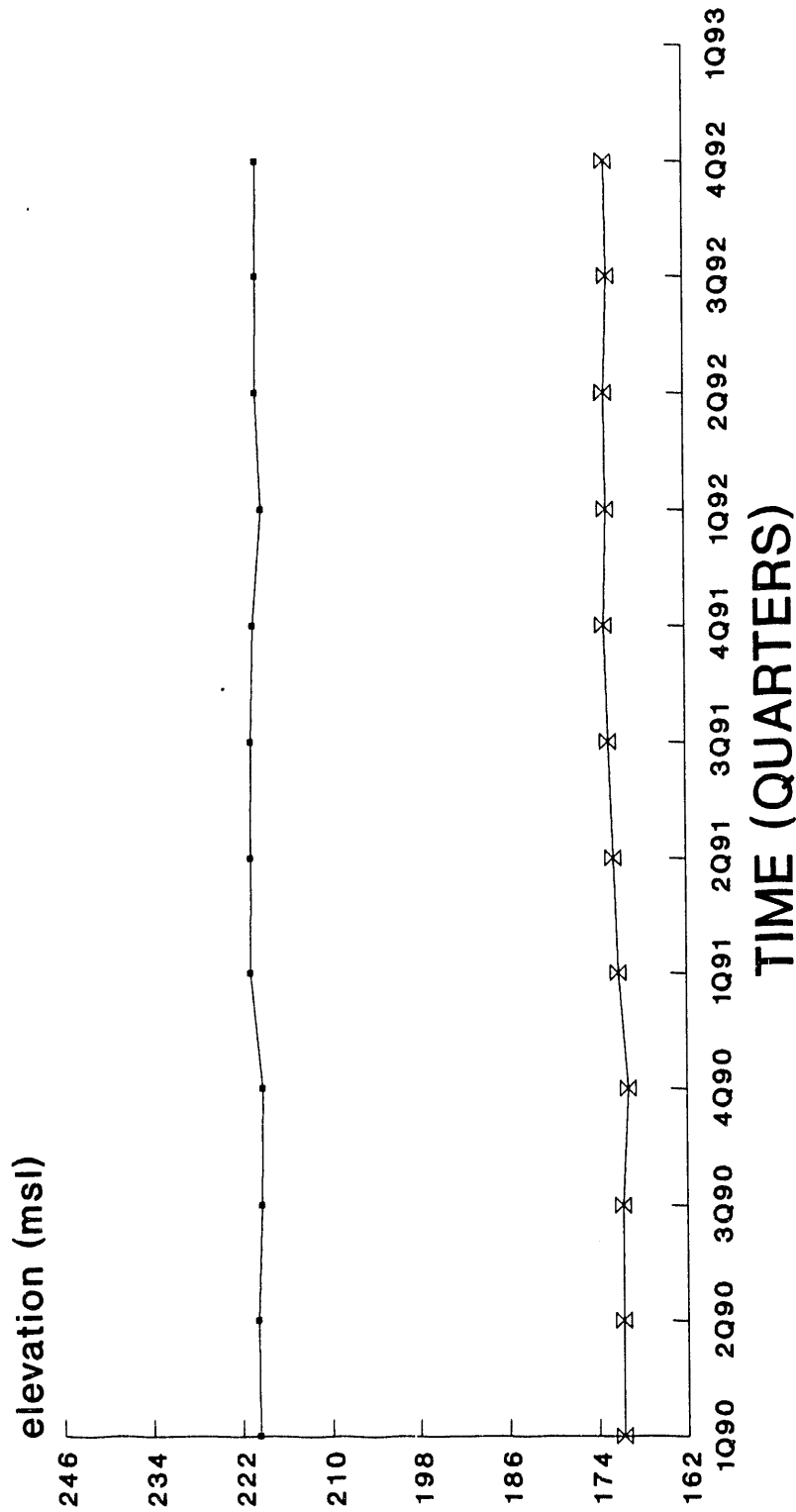


WATER TABLE (IIB2)  
 BARNWELL (IIB1)  
 McBEAN (IIB1)  
 L. CONGAREE (IIA)

empty space denotes no data or dry well

# CLUSTER - HSB 69

## Water Elevation

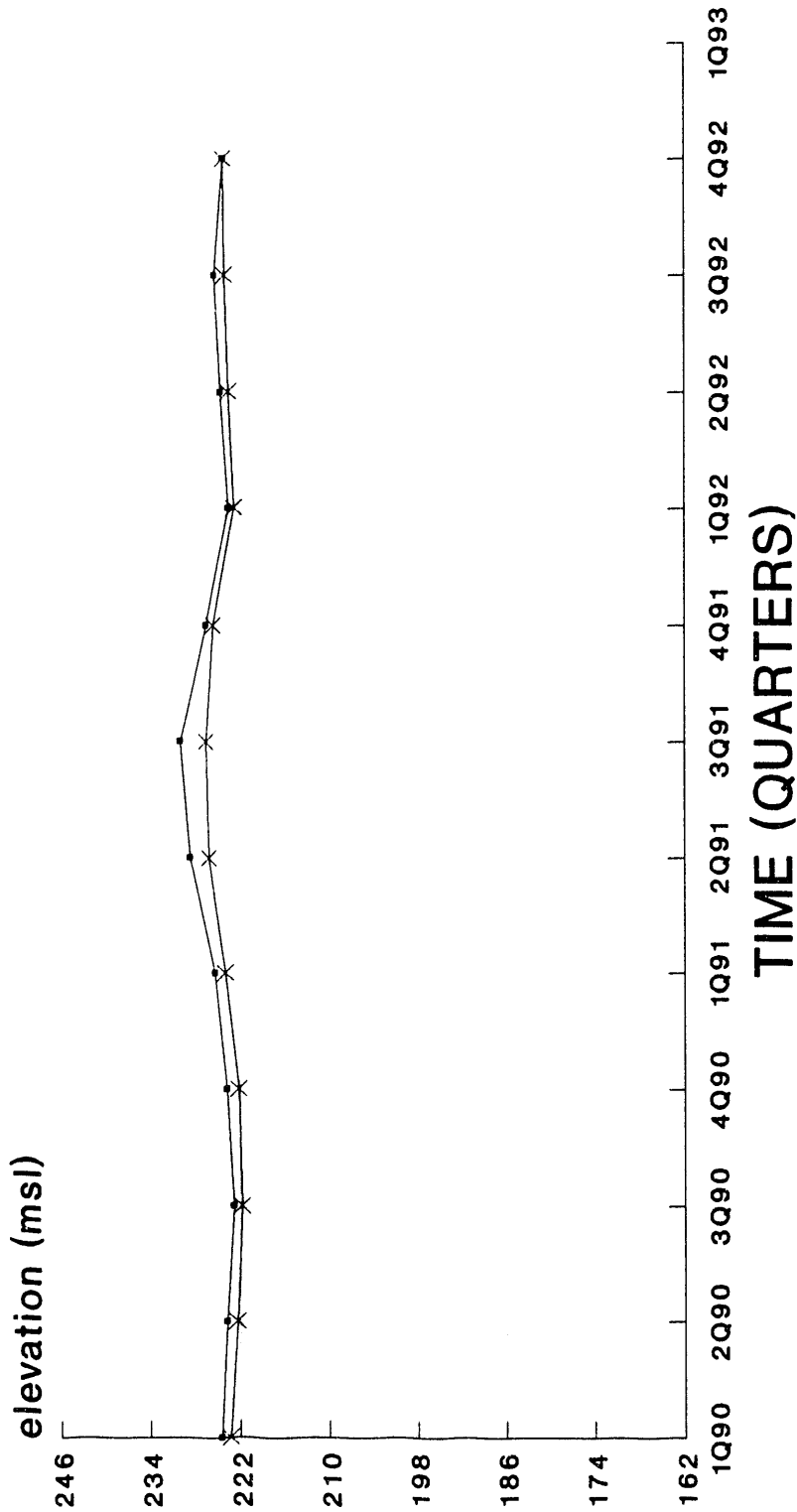


—•— WATER TABLE (IIB2)    —x— M. CONGAREE (IIA)

empty space denotes no data or dry well

# CLUSTER - HSB 70

## Water Elevation

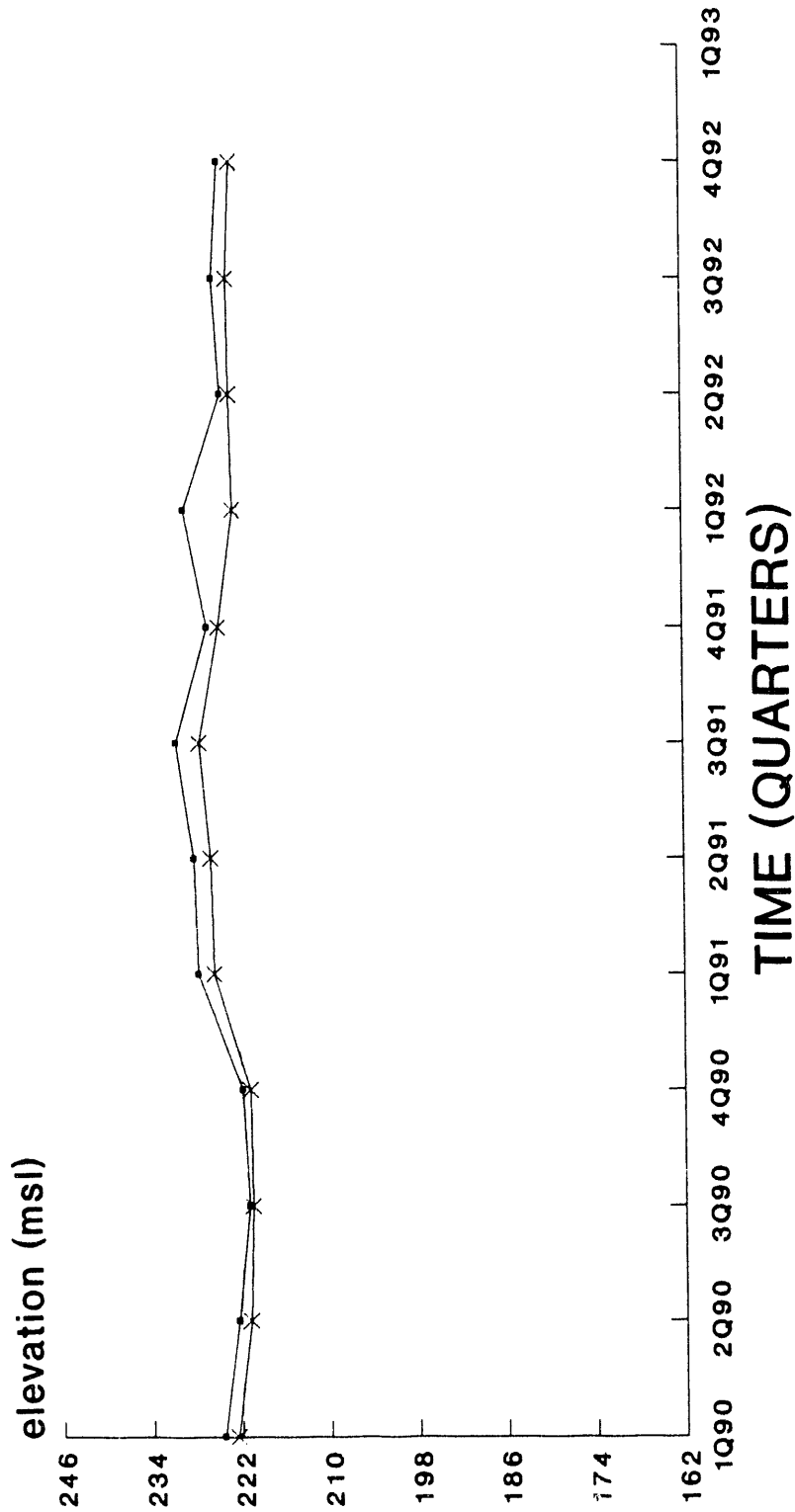


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB 71

## Water Elevation

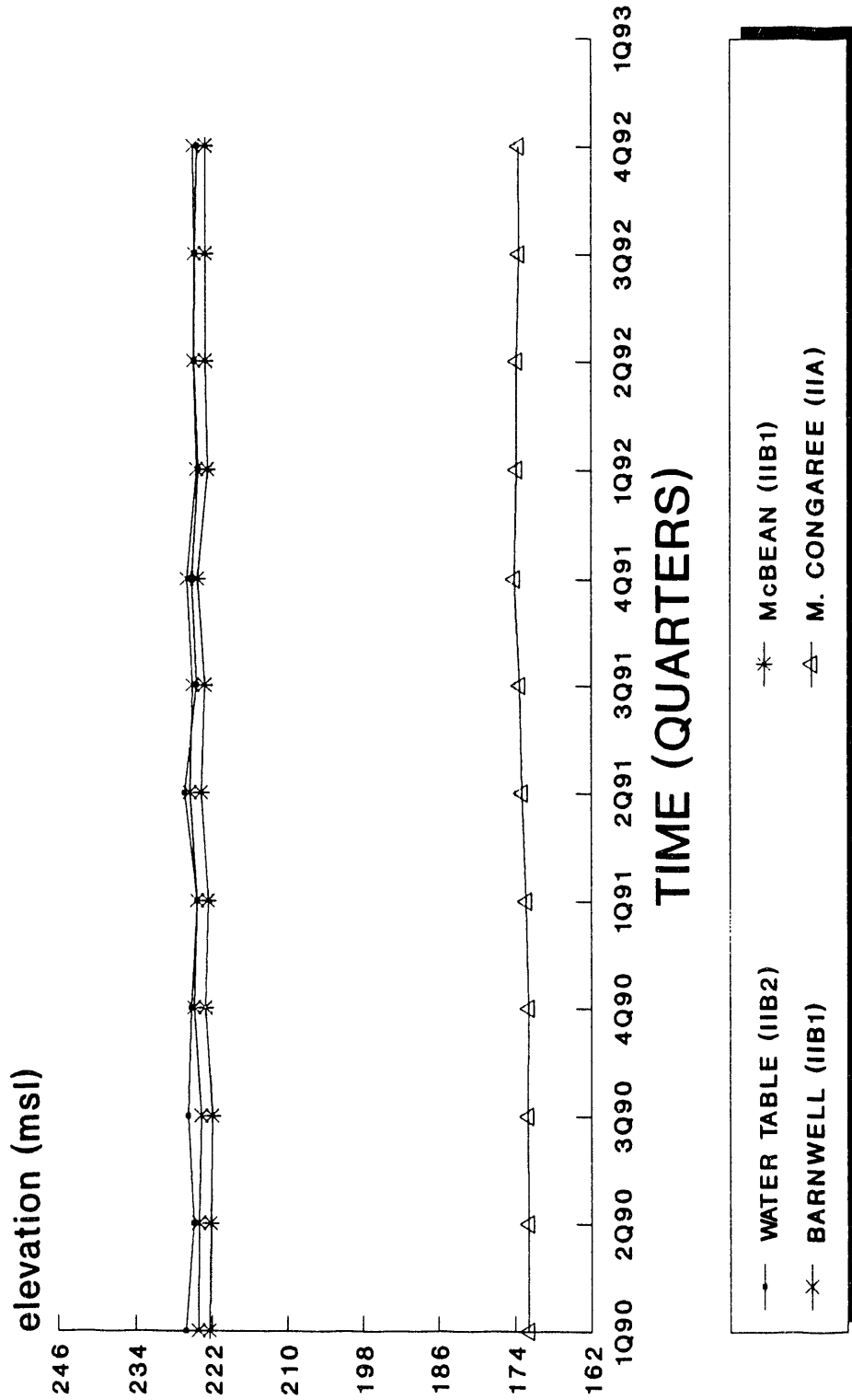


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB 83

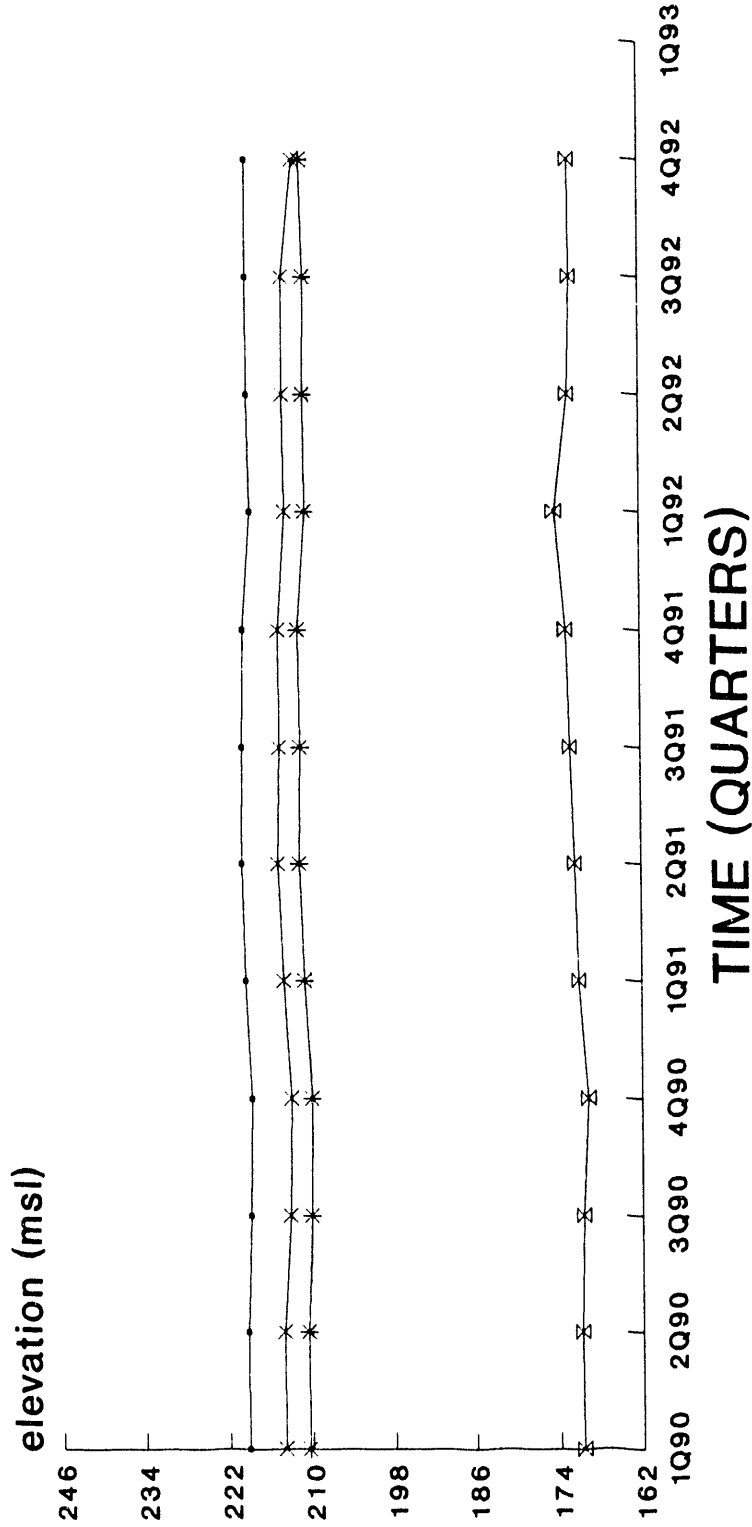
## Water Elevation



empty space denotes no data or dry well

# CLUSTER - HSB 84

## Water Elevation



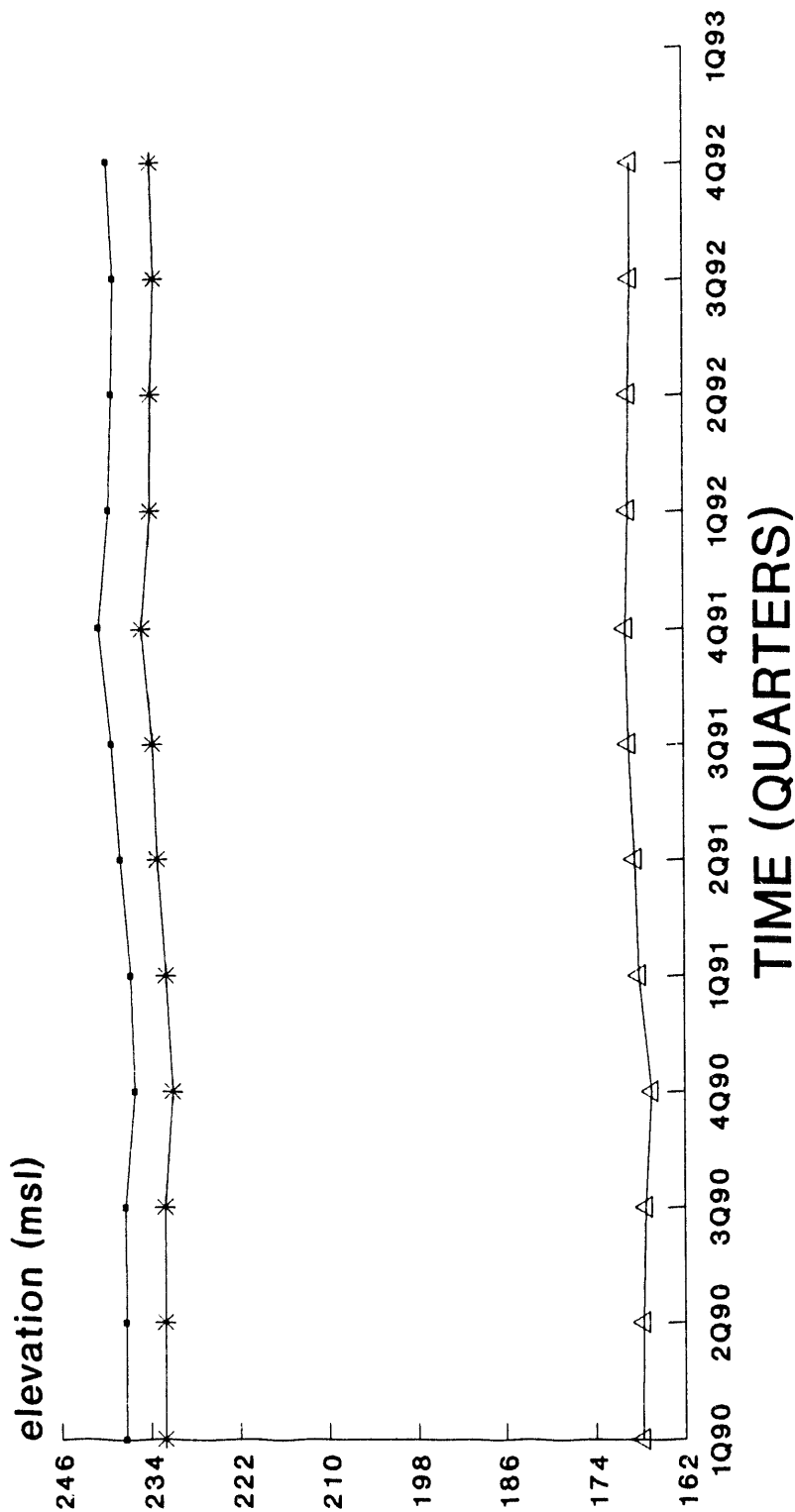
WATER TABLE (IIB2)  
 BARNWELL (IIB1)  
 McBEAN (IIB1)  
 L. CONGAREE (IIA)

empty space denotes no data or dry well



# CLUSTER - HSB 85

## Water Elevation

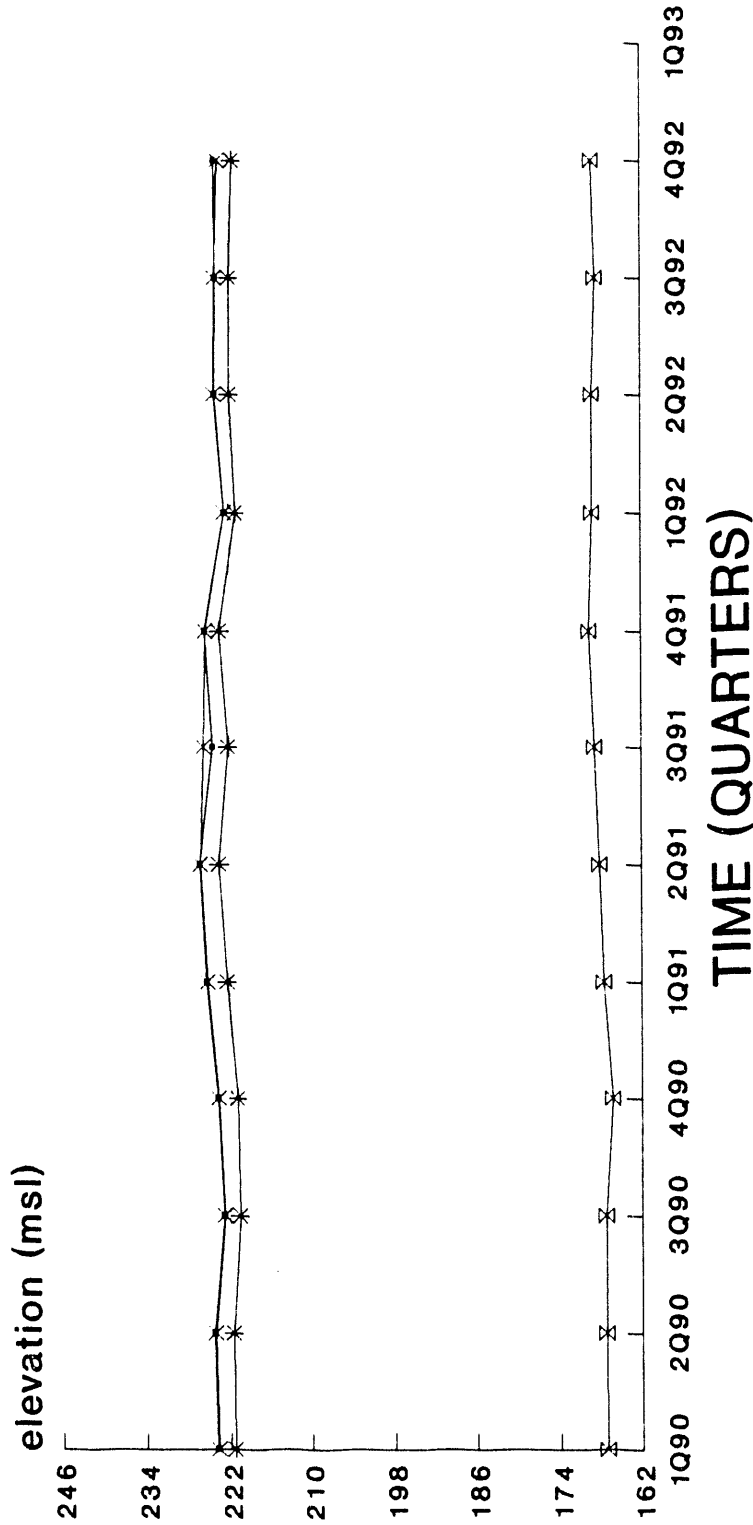


—•— WATER TABLE (IIB2)    \*—\* McBEAN (IIB1)    —△— U. CONGAREE (IIIA)

empty space denotes no data or dry well

# CLUSTER - HSB 86

## Water Elevation

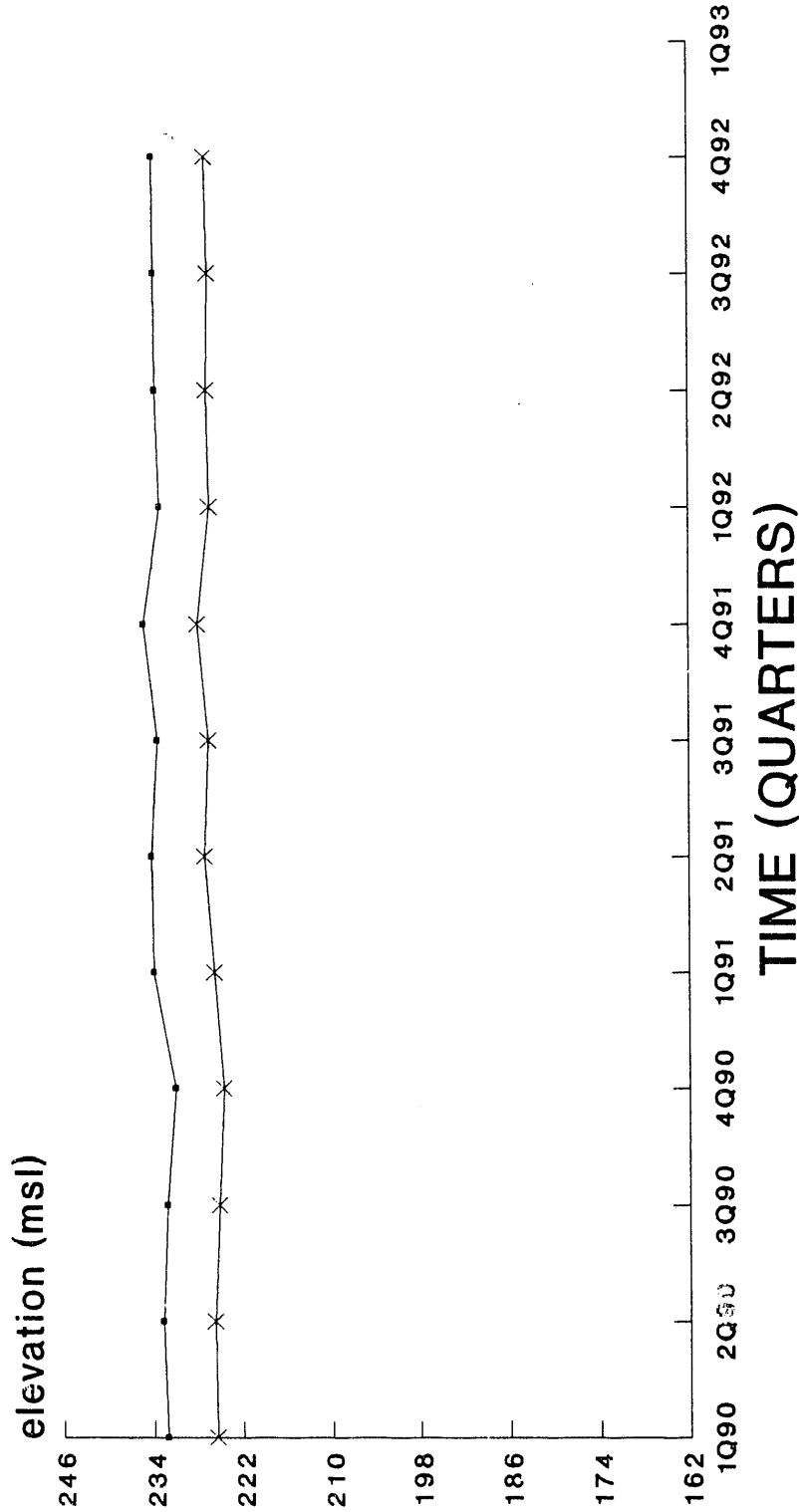


WATER TABLE (IIB2)  
 BARNWELL (IIB1)  
 McBEAN (IIB1)  
 L. CONGAREE (IIA)

empty space denotes no data or dry well

# CLUSTER - HSB100

## Water Elevation

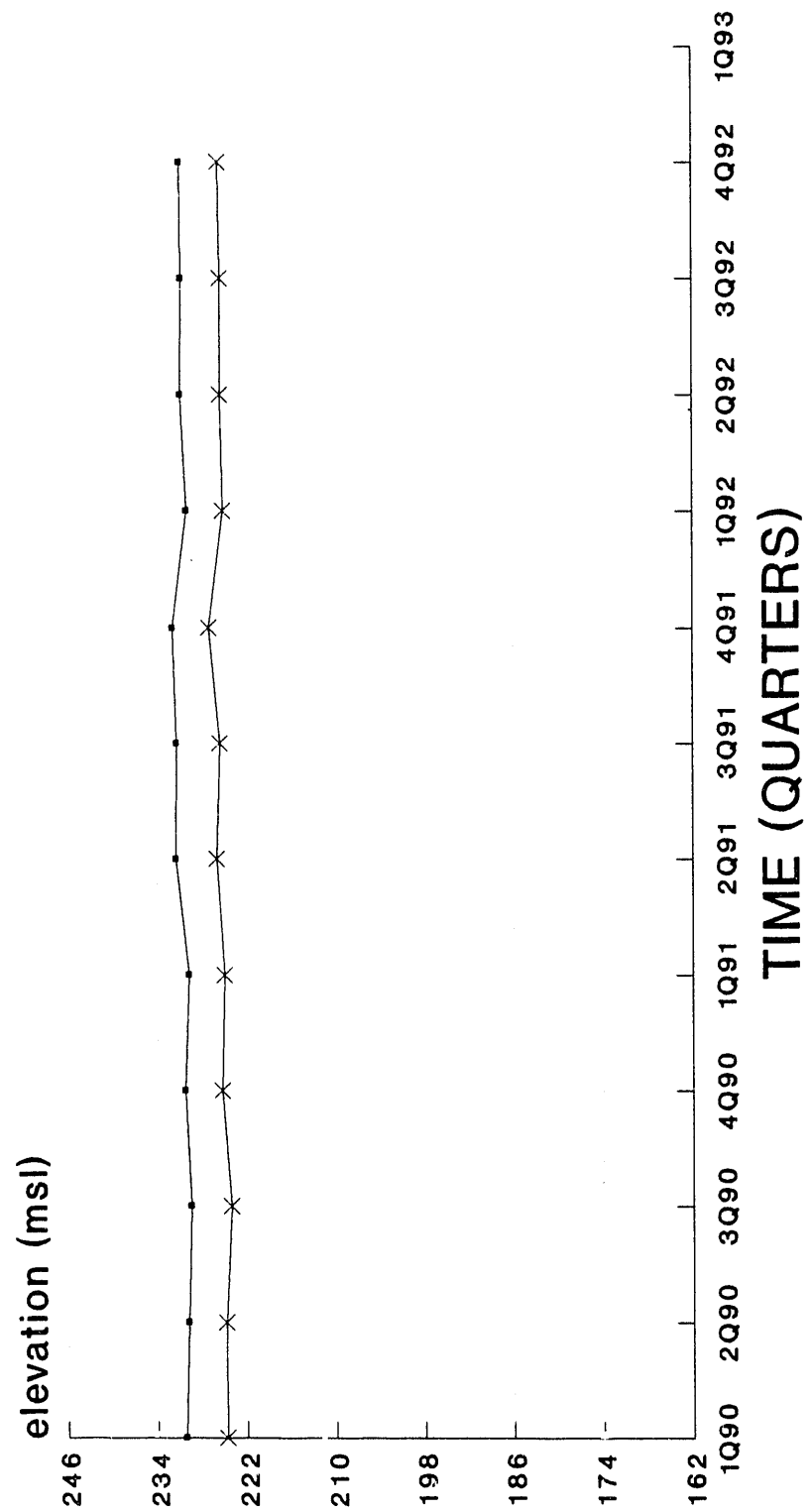


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB101

## Water Elevation

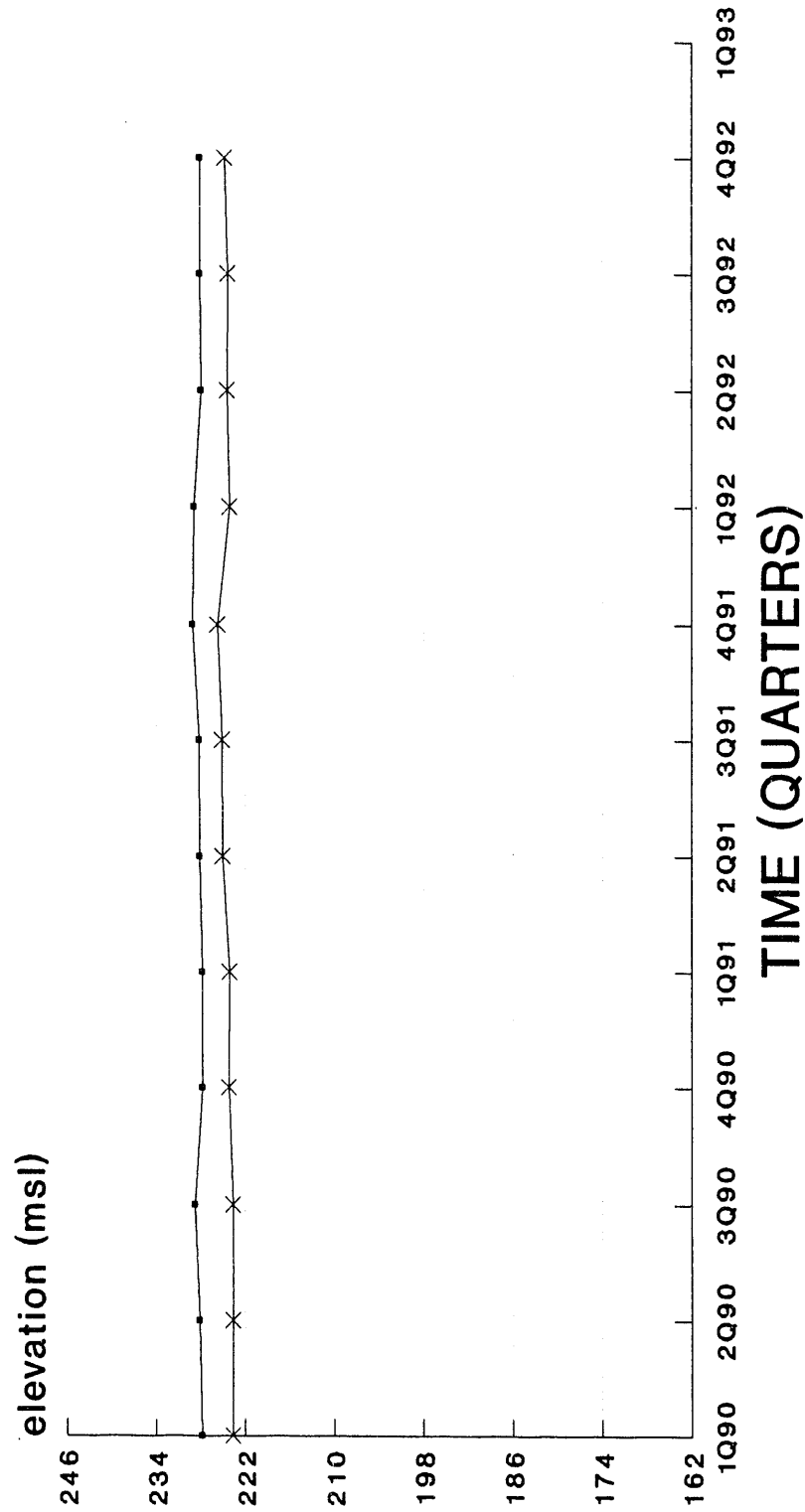


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB102

## Water Elevation

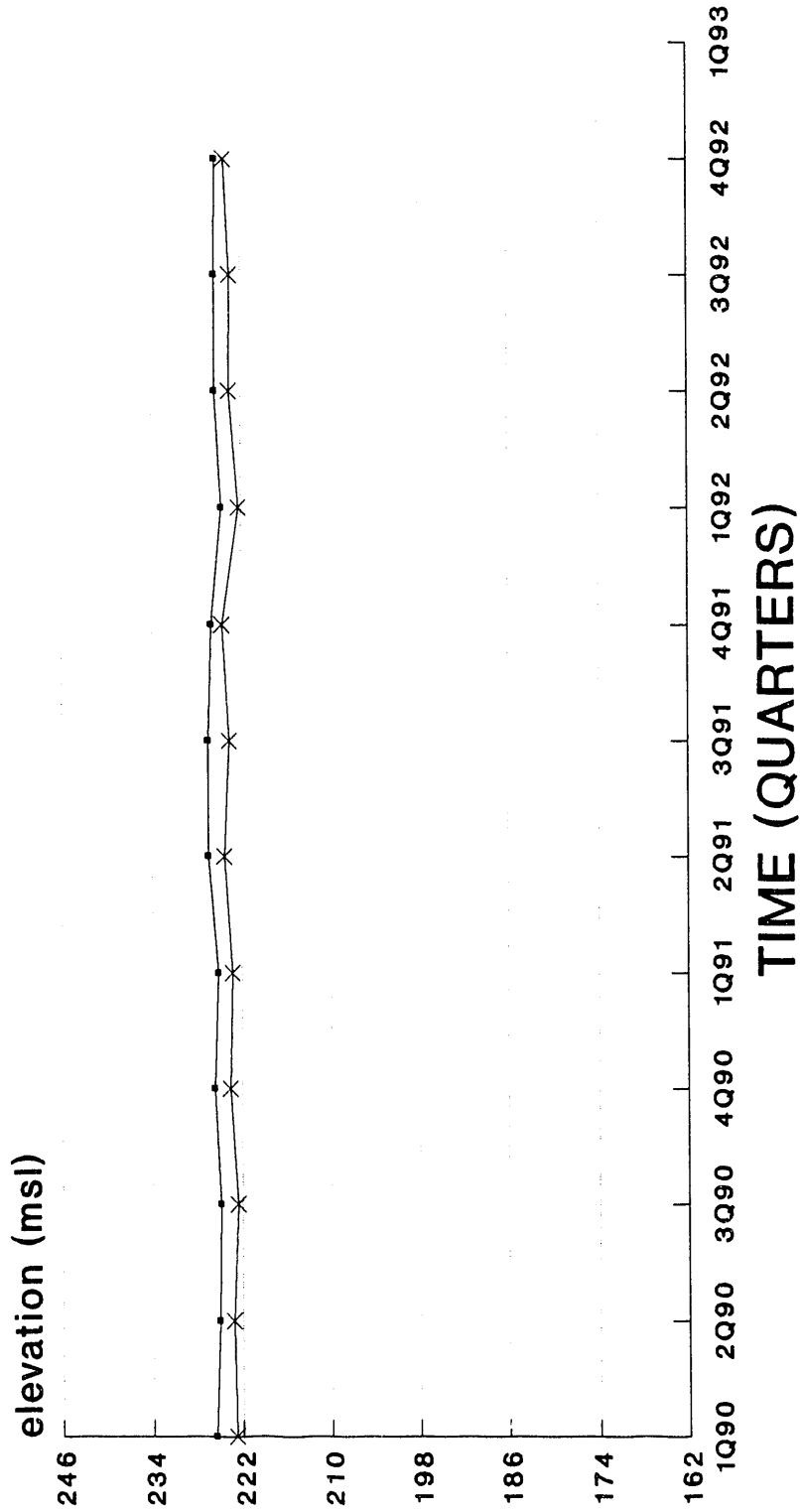


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB103

## Water Elevation

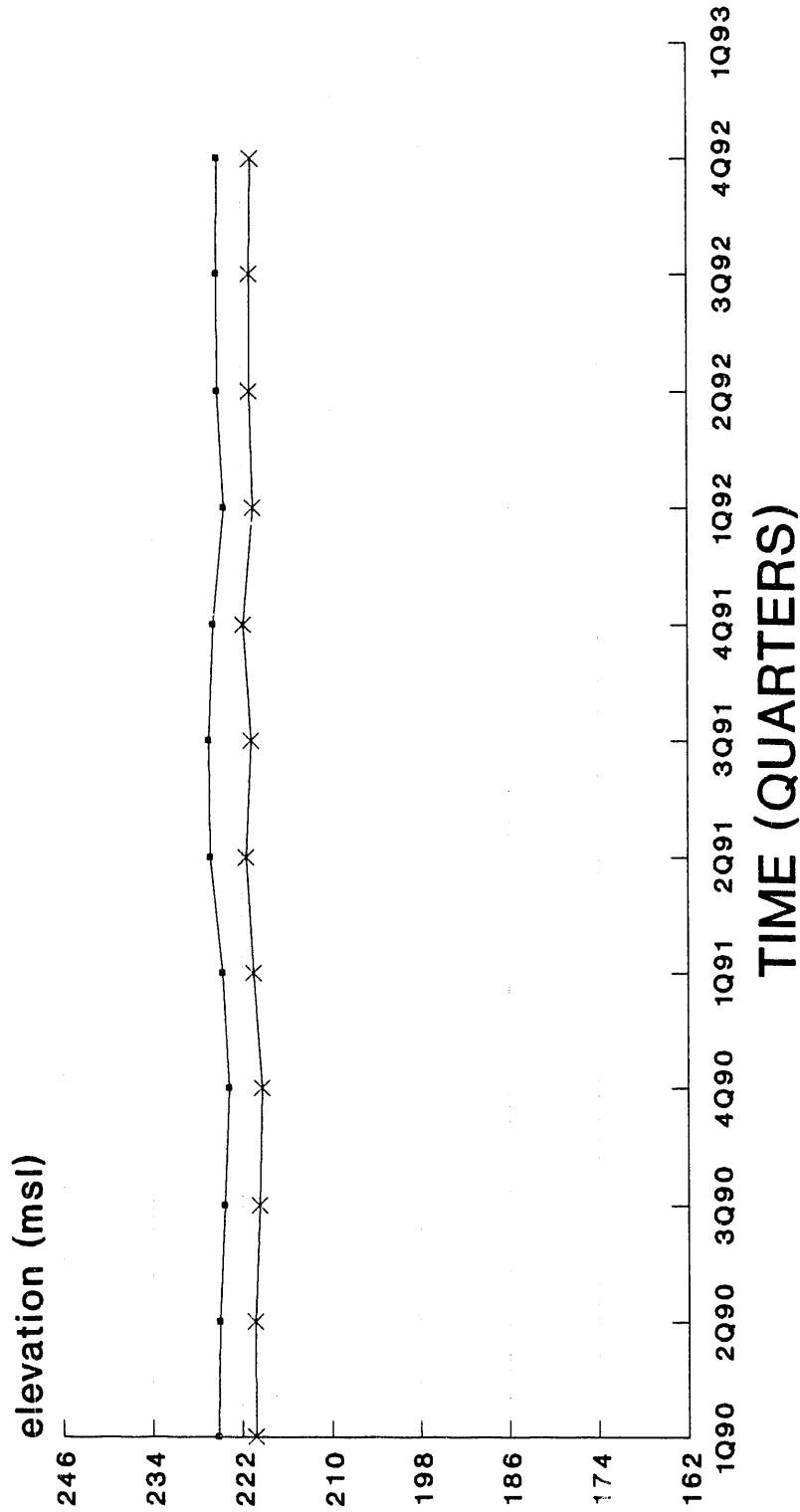


--- WATER TABLE (IIB2)    \*--- BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB104

## Water Elevation

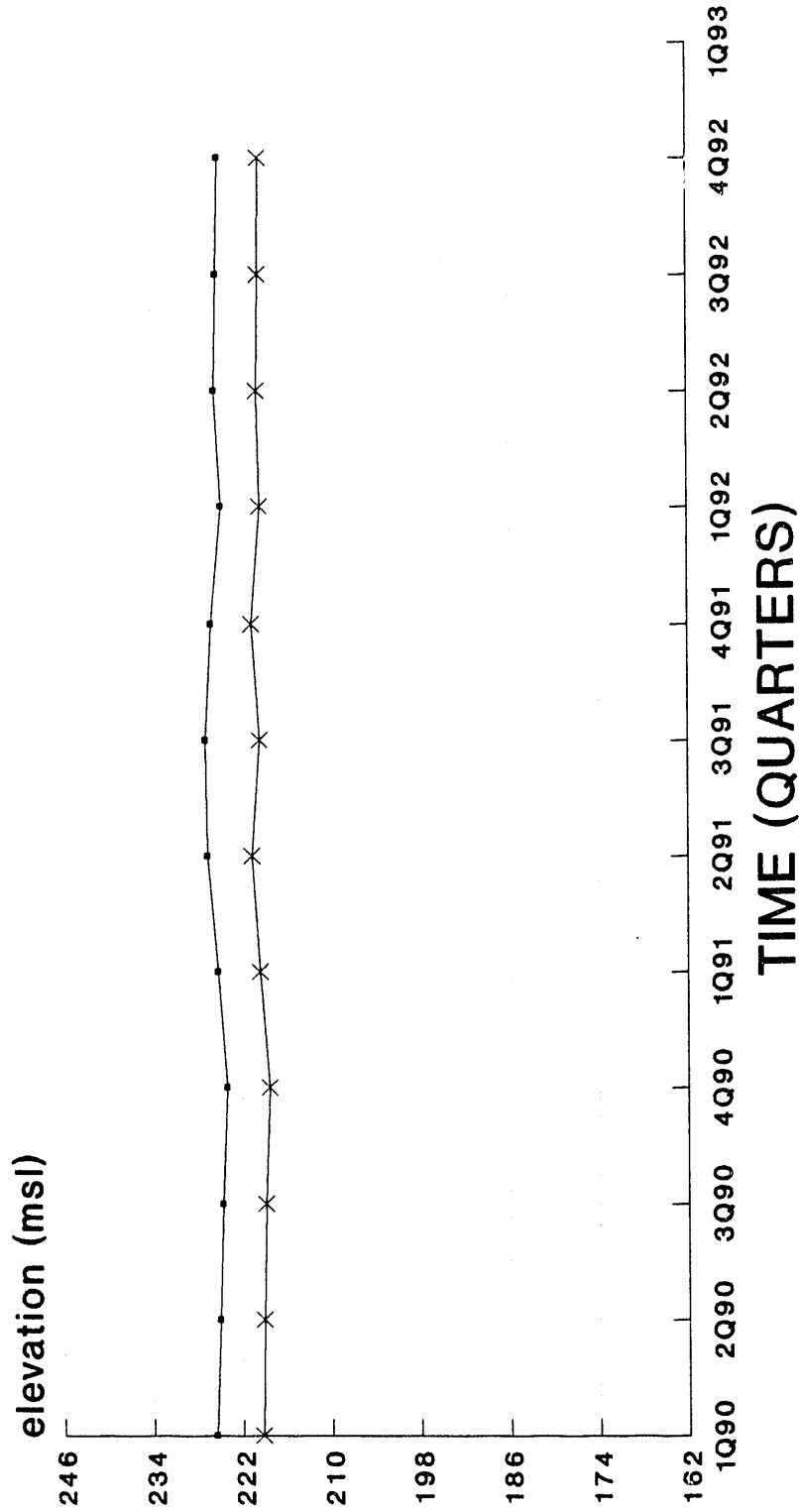


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB105

## Water Elevation



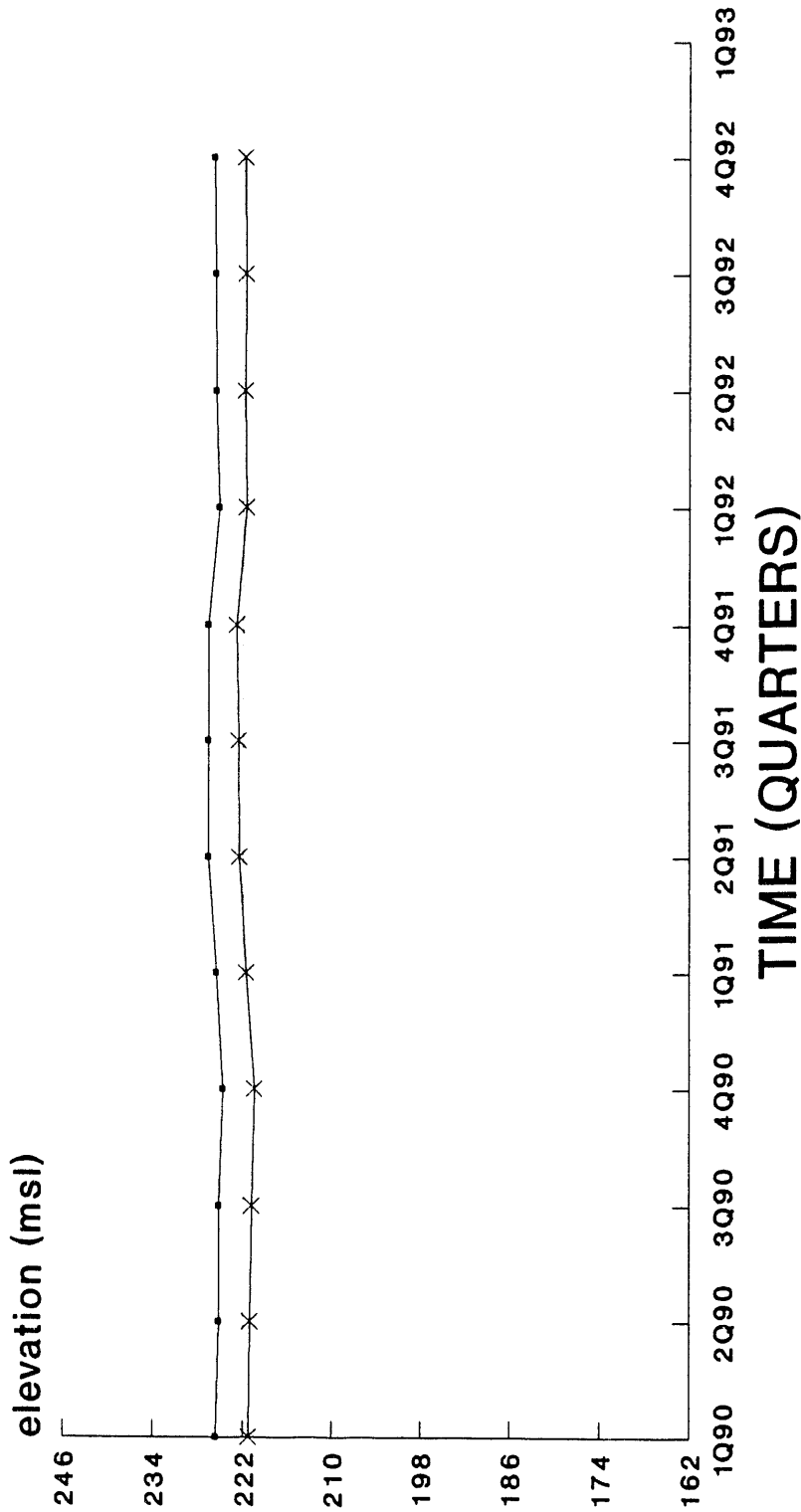
—○— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well



# CLUSTER - HSB106

## Water Elevation

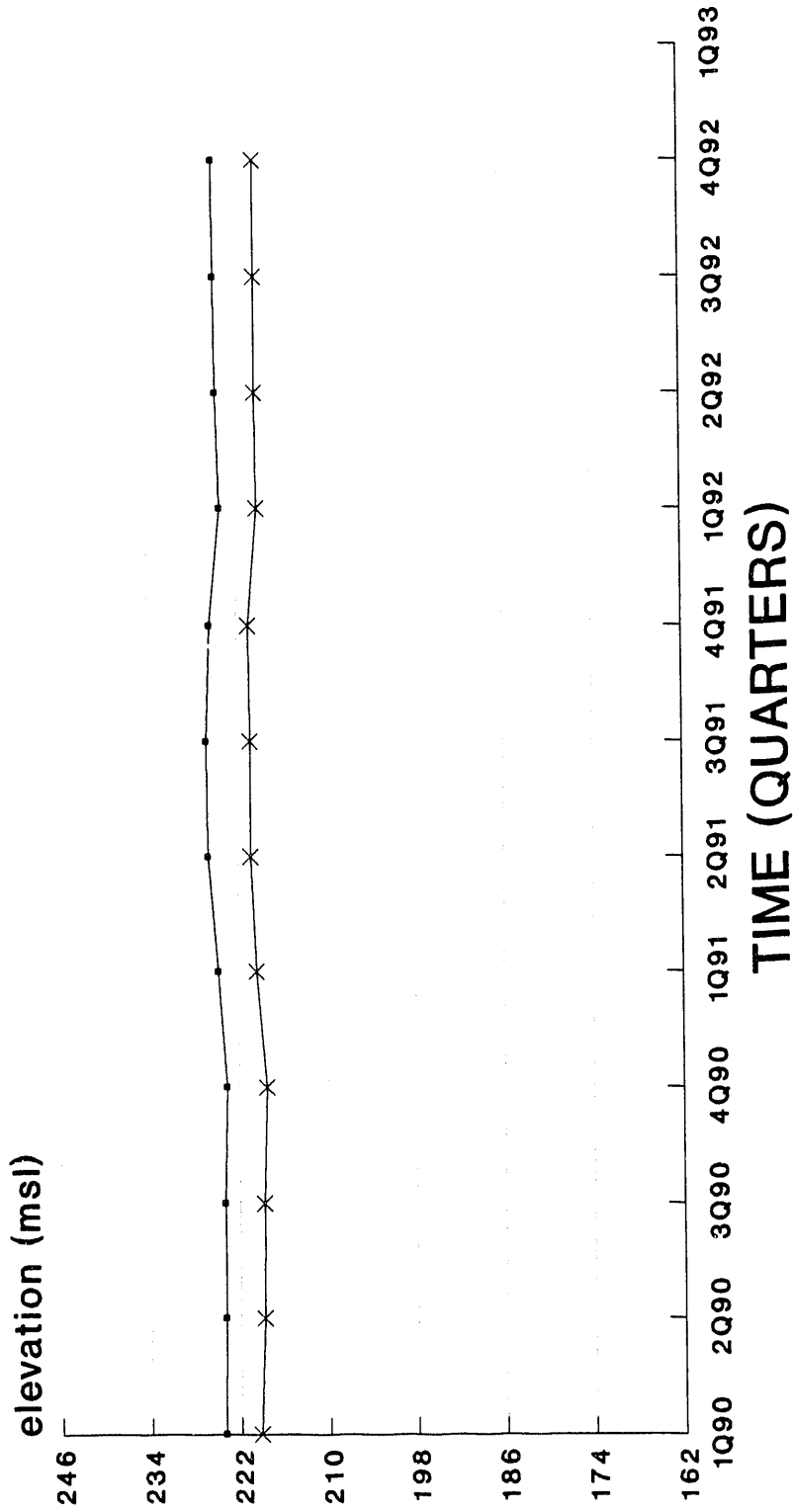


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB107

## Water Elevation

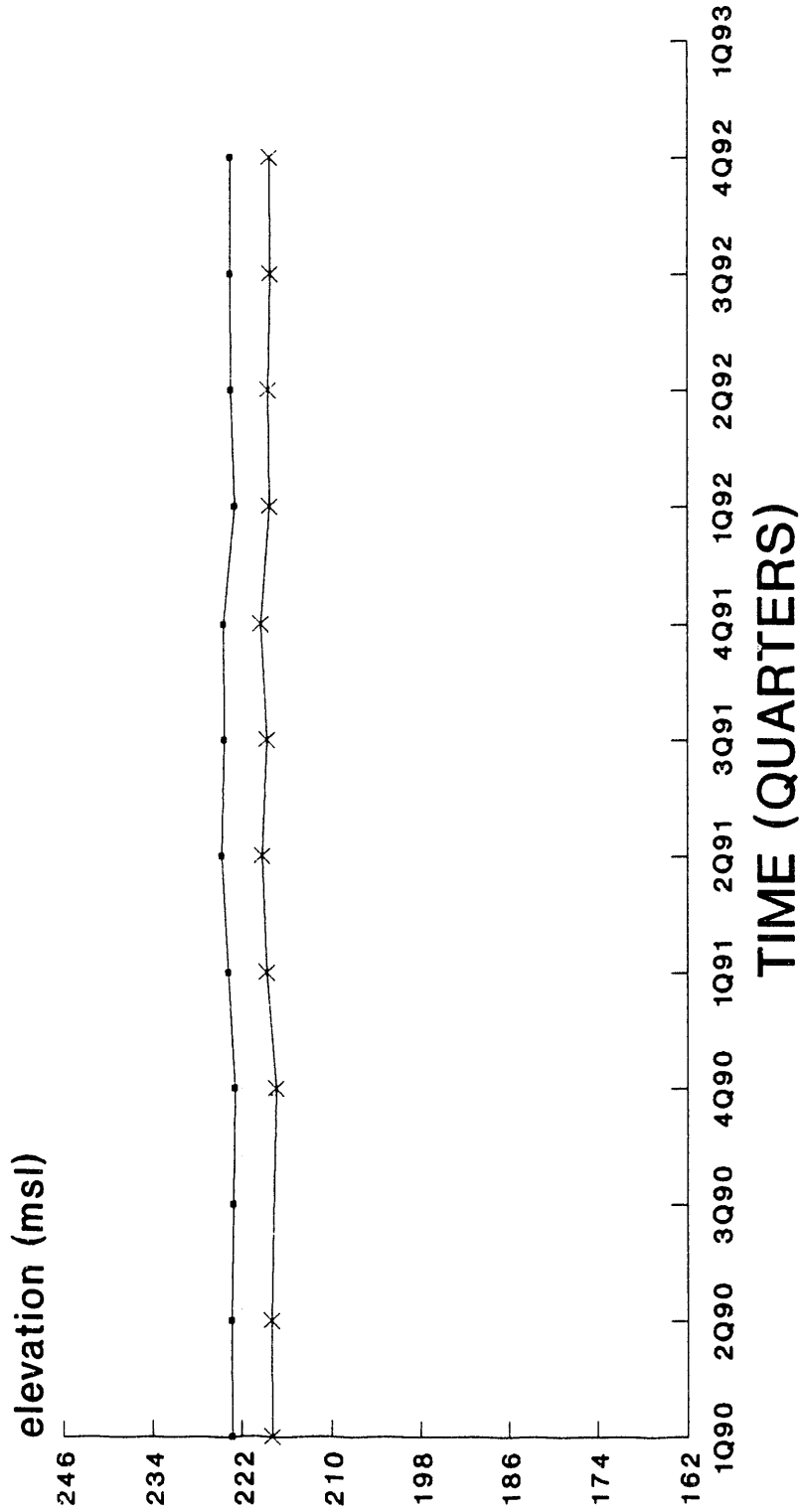


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB108

## Water Elevation

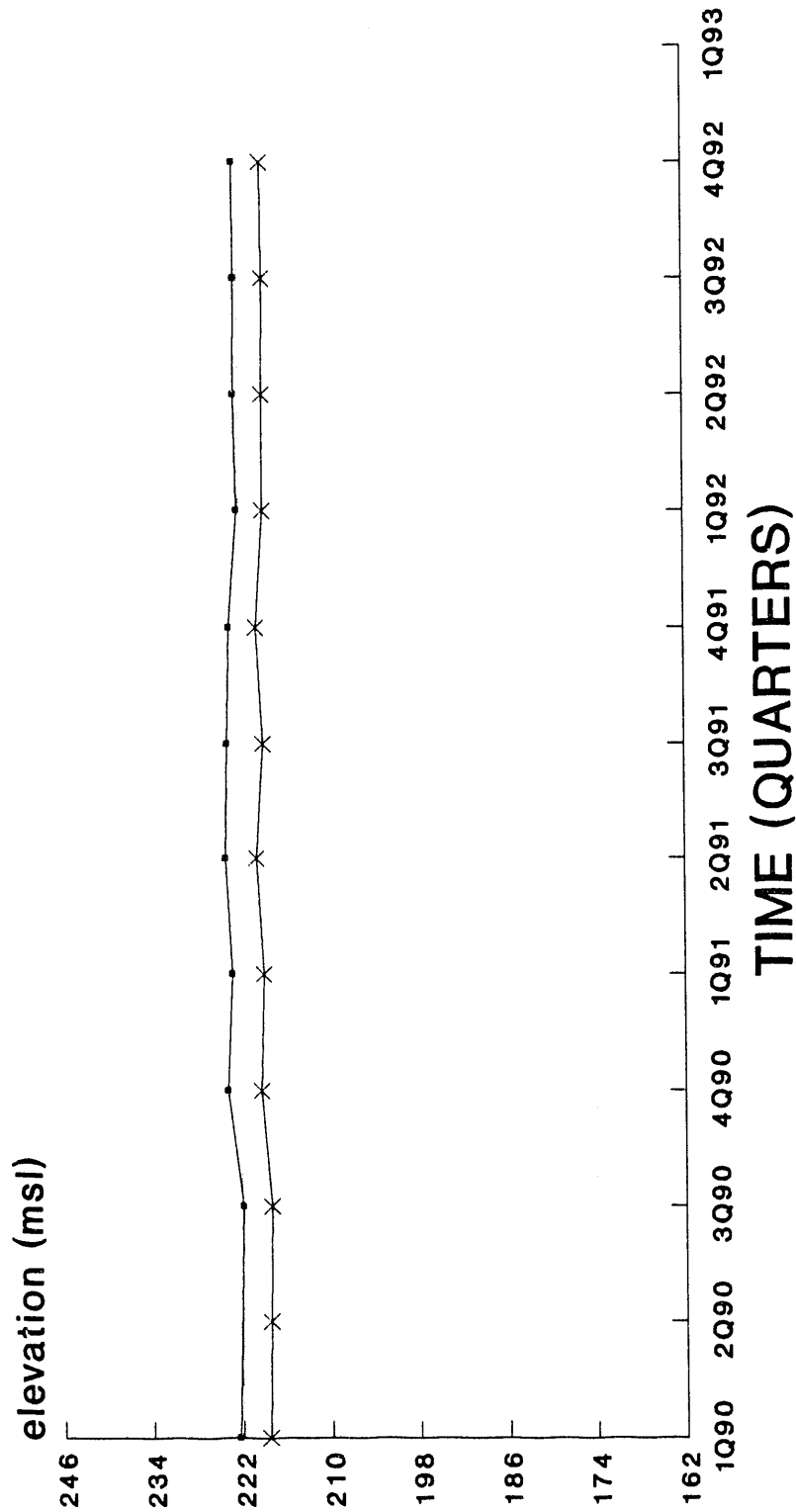


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB109

## Water Elevation

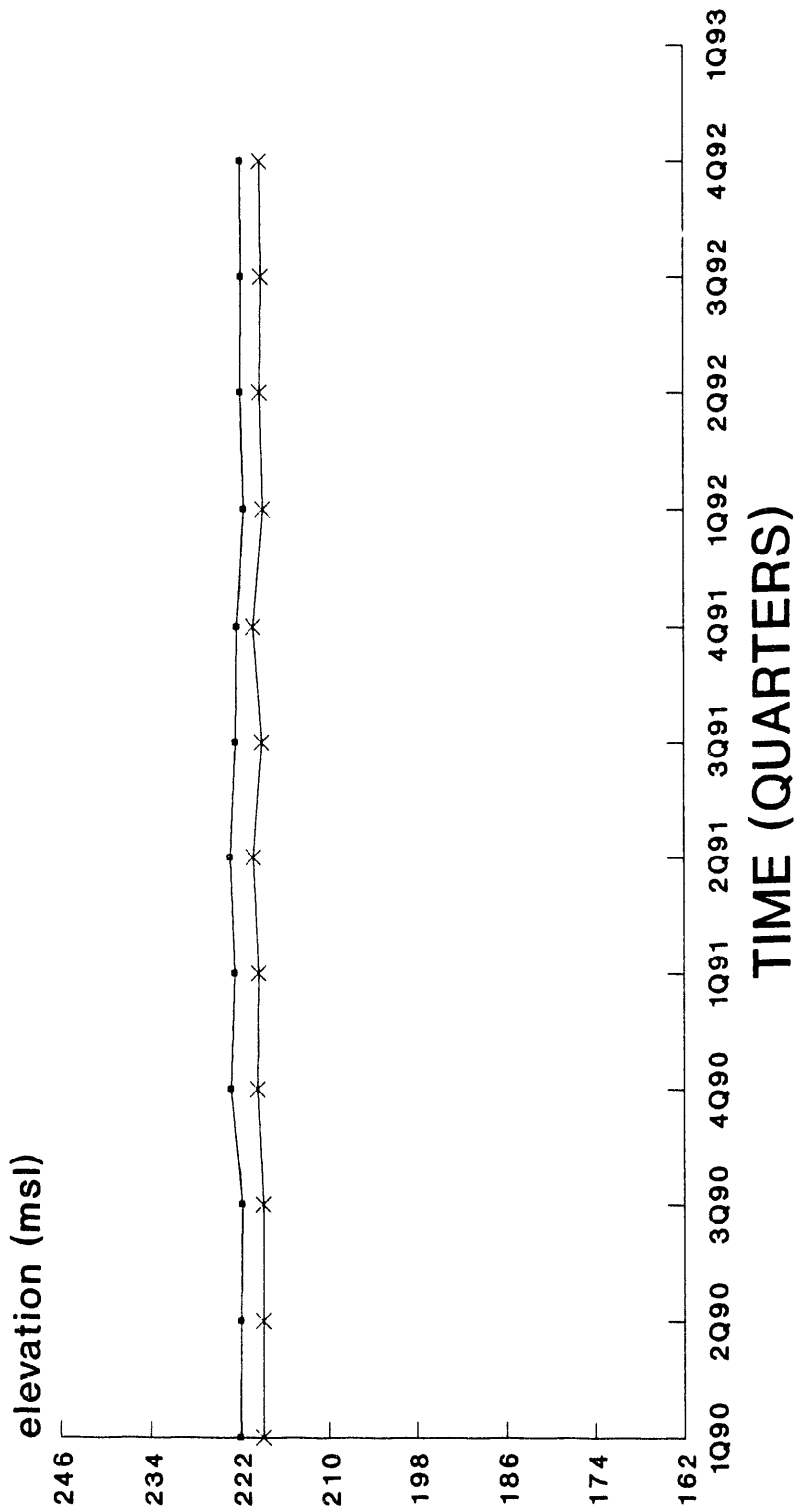


—•— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB110

## Water Elevation

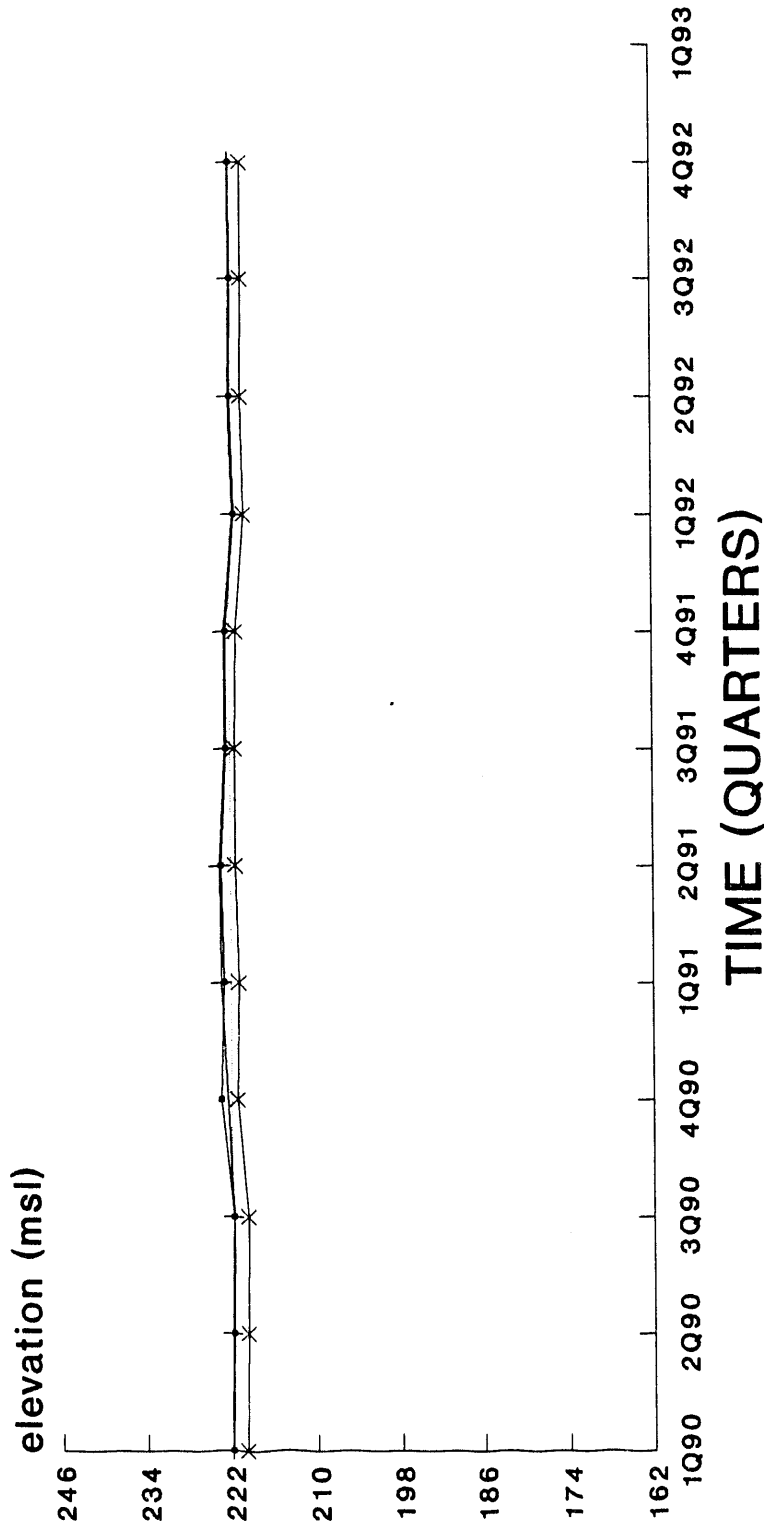


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB111

## Water Elevation

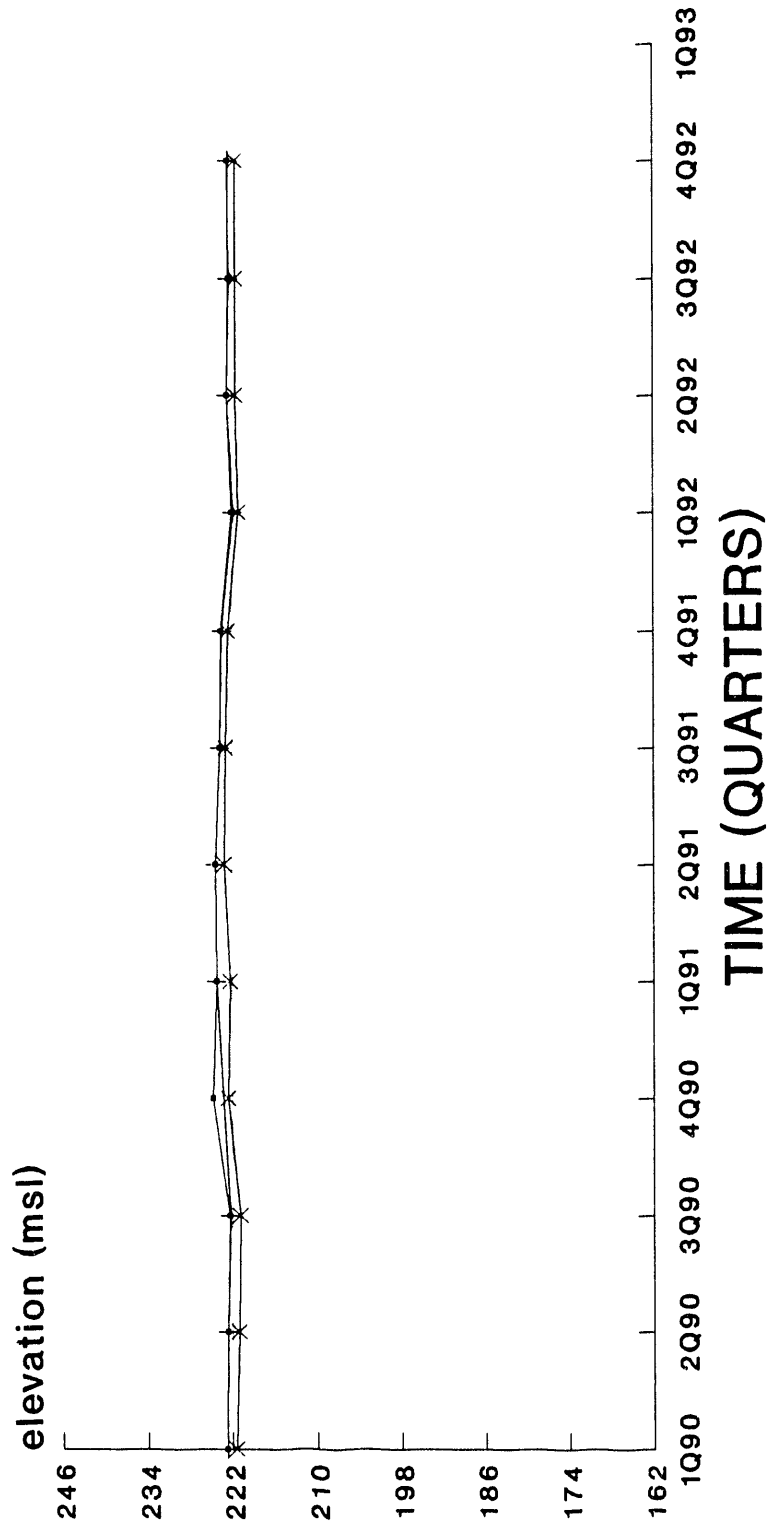


--- WATER TABLE (IIB2)    + WATER TABLE (IIB2)    \* BARNWELL (IIB1)

empty space denotes no data or dry well  
1st water table: HSB 111D; 2nd: HSB 111E

# CLUSTER - HSB112

## Water Elevation

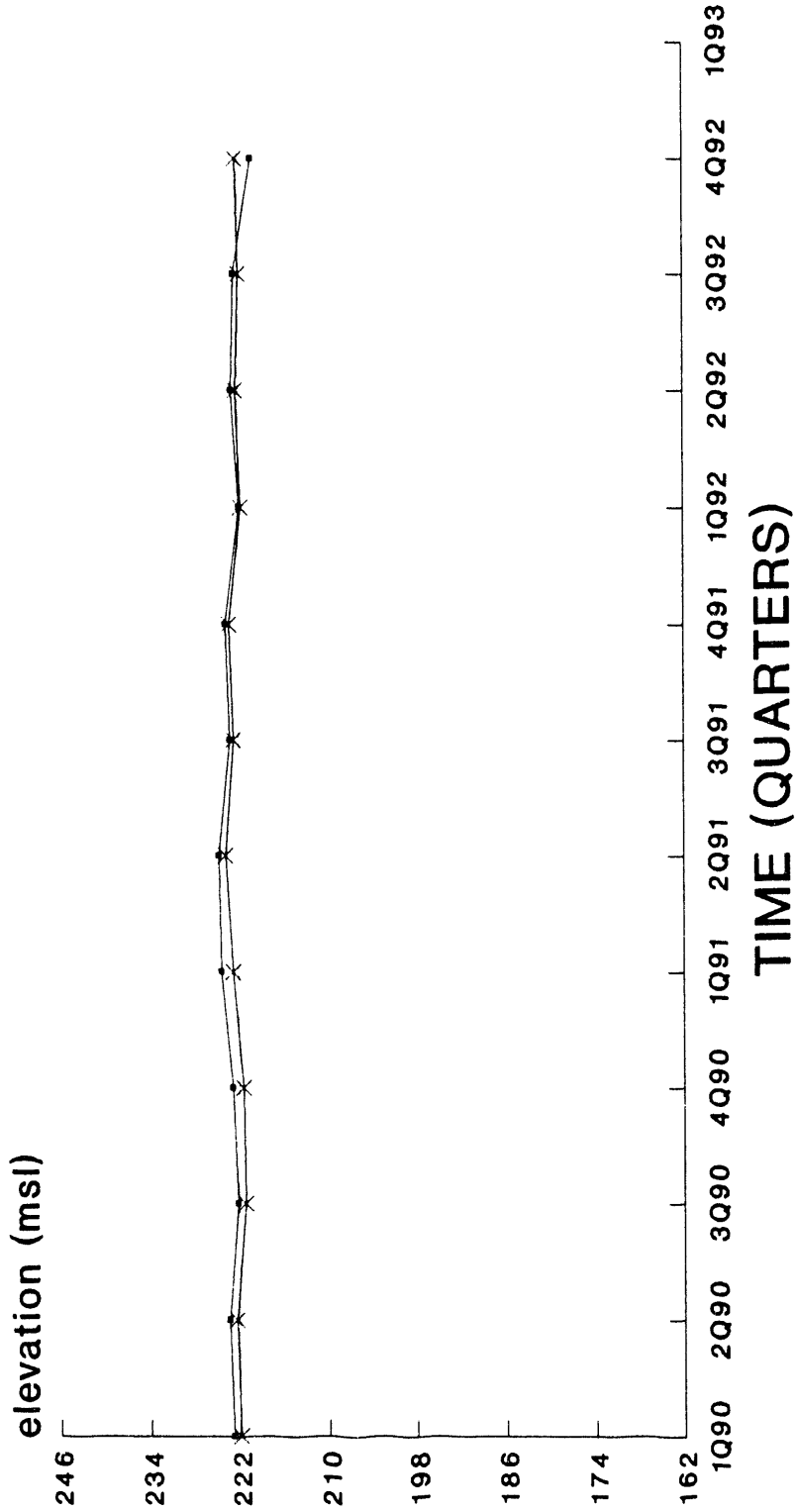


—+— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

empty space denotes no data or dry well  
 1st water table: HSB 112D; 2nd: HSB 112E

# CLUSTER - HSB113

## Water Elevation



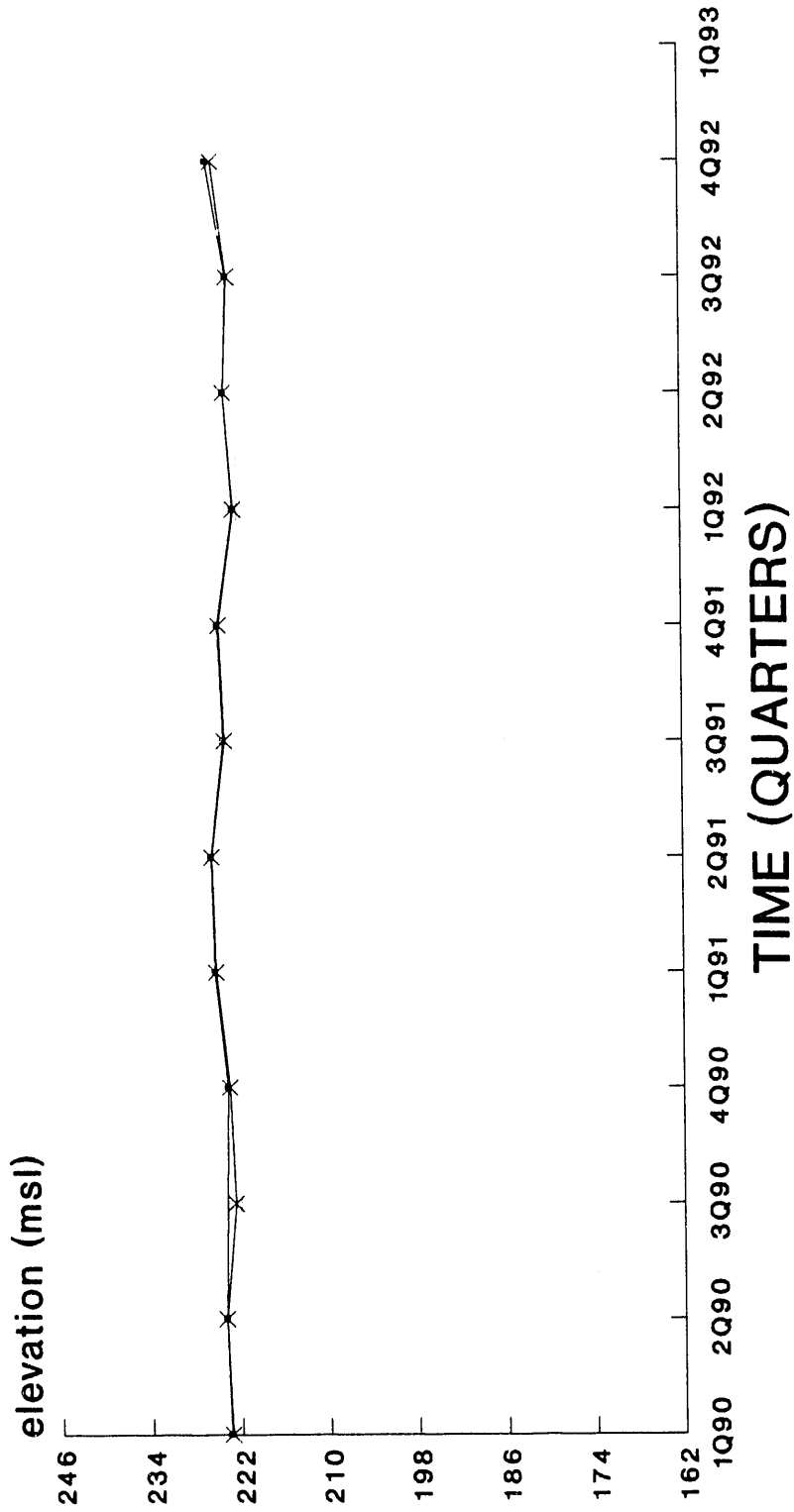
—•— WATER TABLE (IIB2)    -\*- BARNWELL (IIB1)

empty space denotes no data or dry well



# CLUSTER - HSB114

## Water Elevation

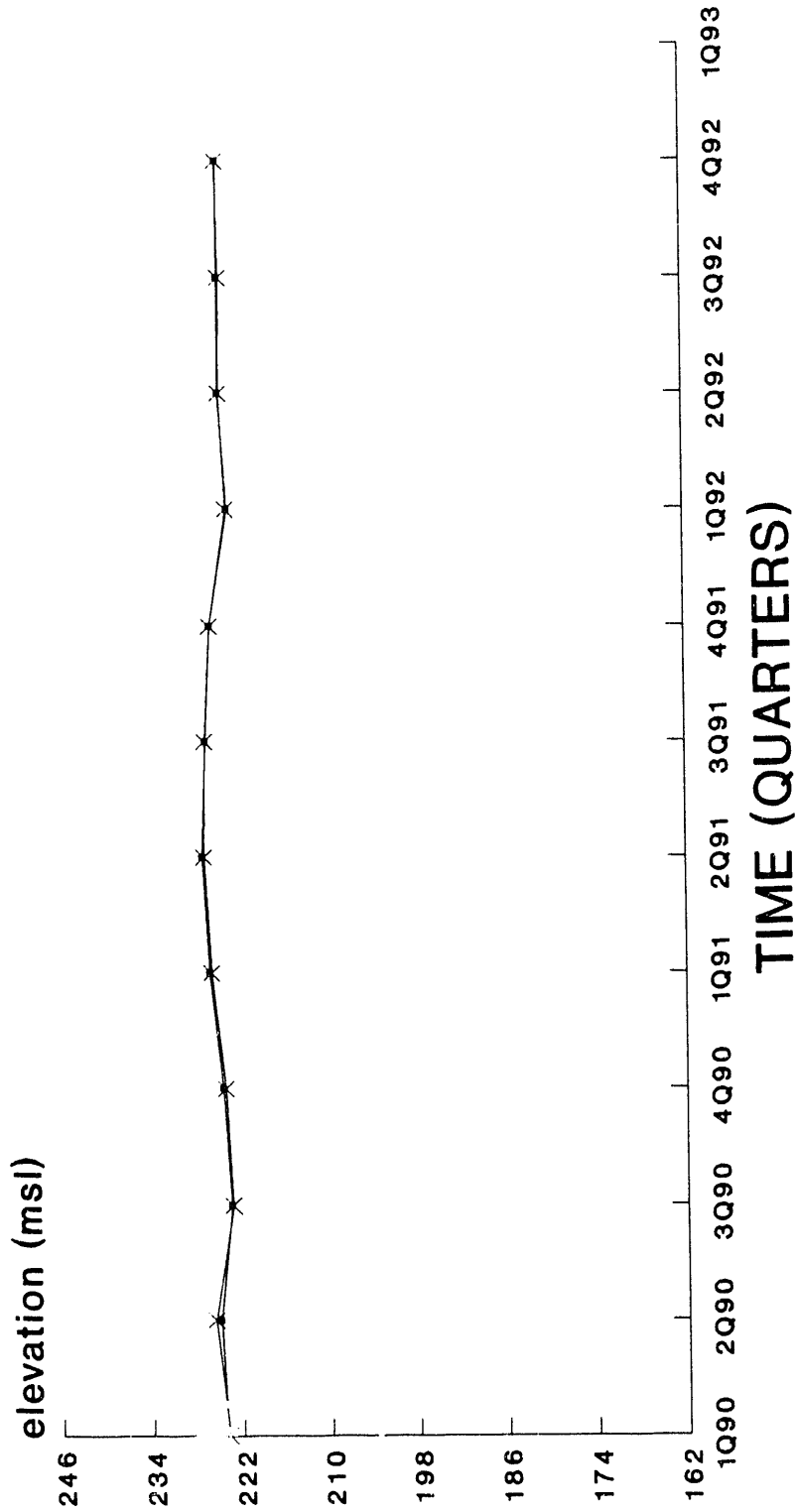


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB115

## Water Elevation

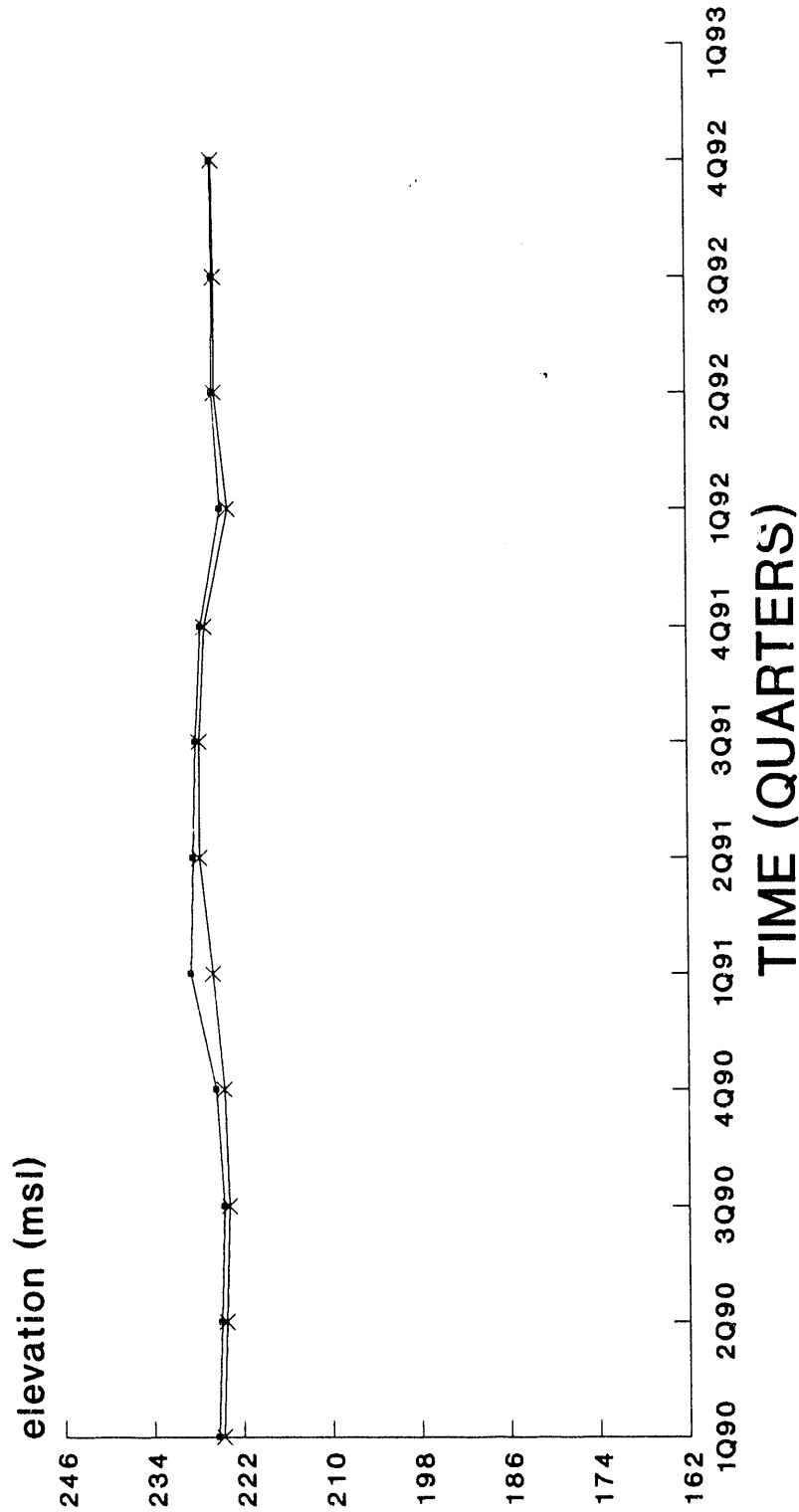


--- WATER TABLE (IIB2)    \*--- BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB116

## Water Elevation

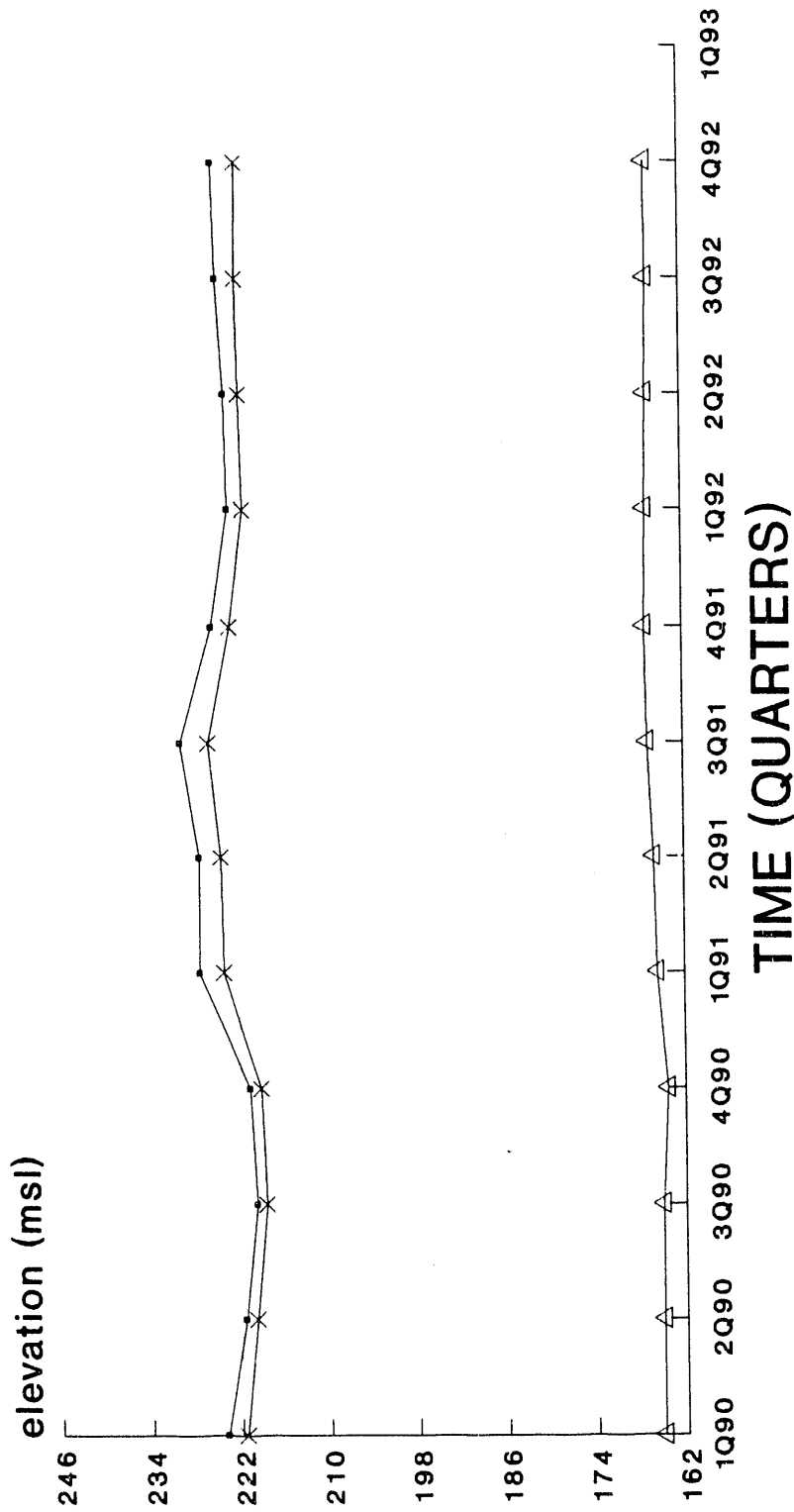


—■— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB117

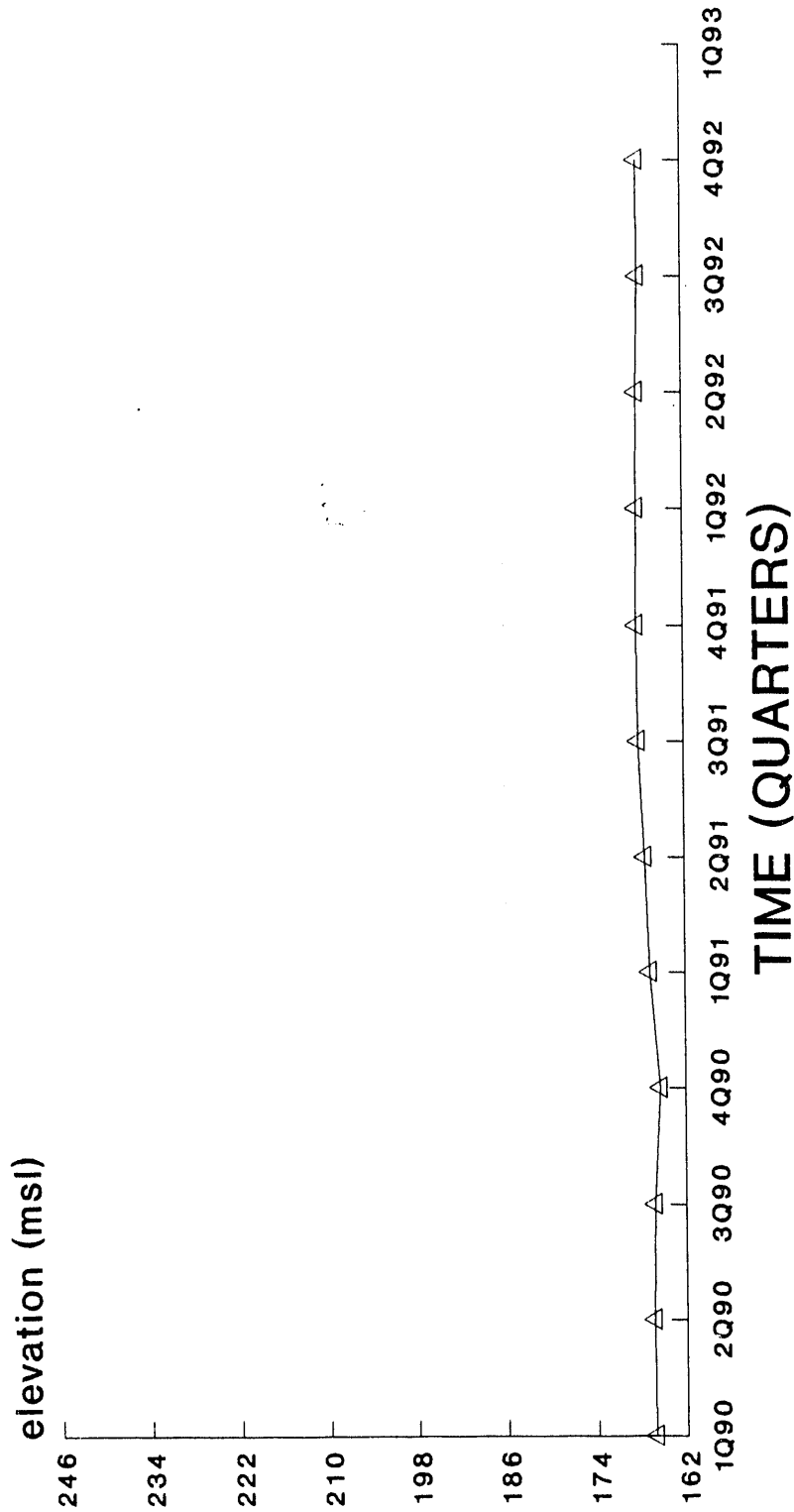
## Water Elevation



● WATER TABLE (IIB2)    × BARNWELL (IIB1)    △ M. CONGAREE (IIA)

empty space denotes no data or dry well

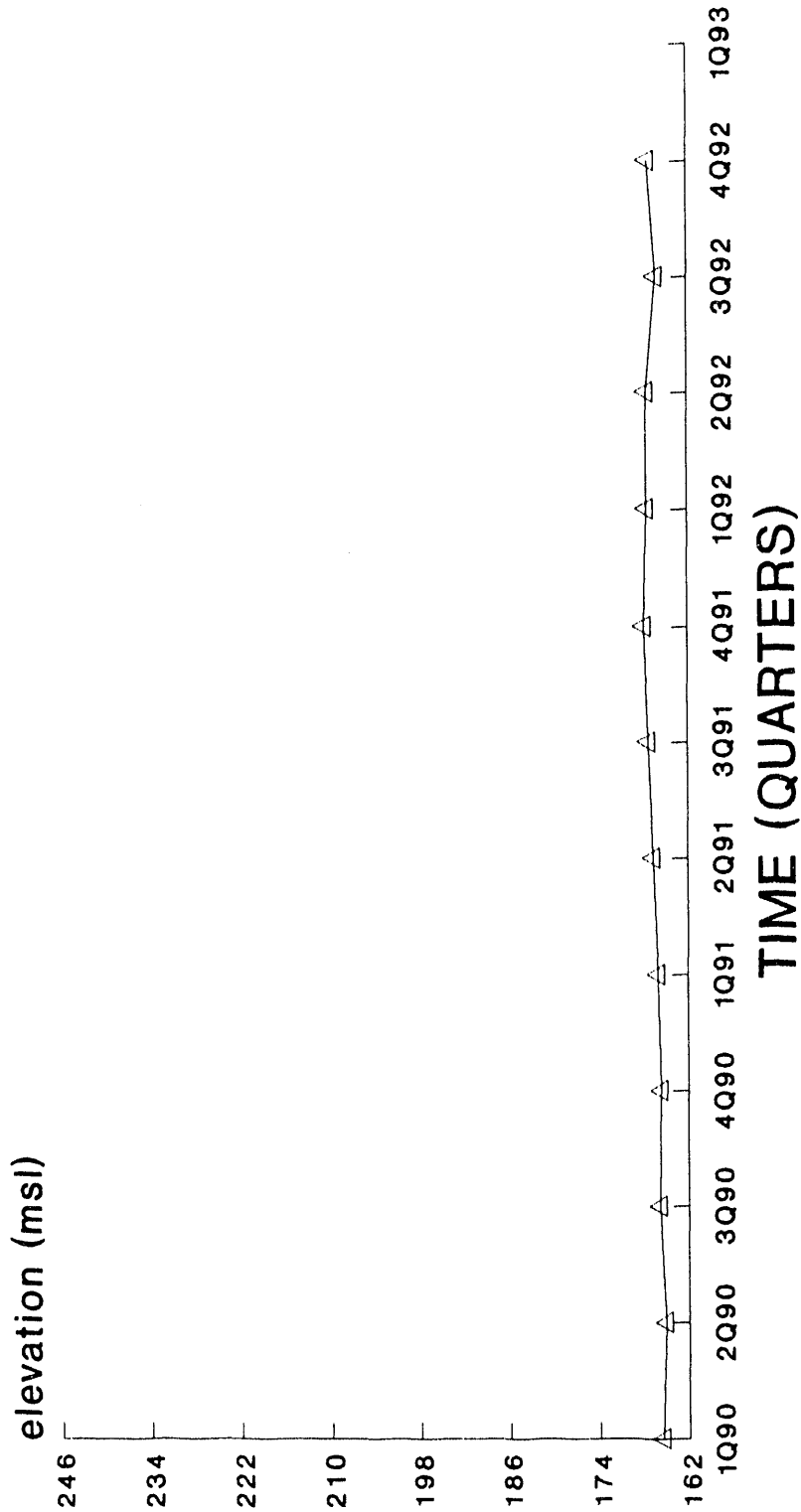
# HSB118A Water Elevation



△ U. CONGAREE (IIA)

empty space denotes no data or dry well

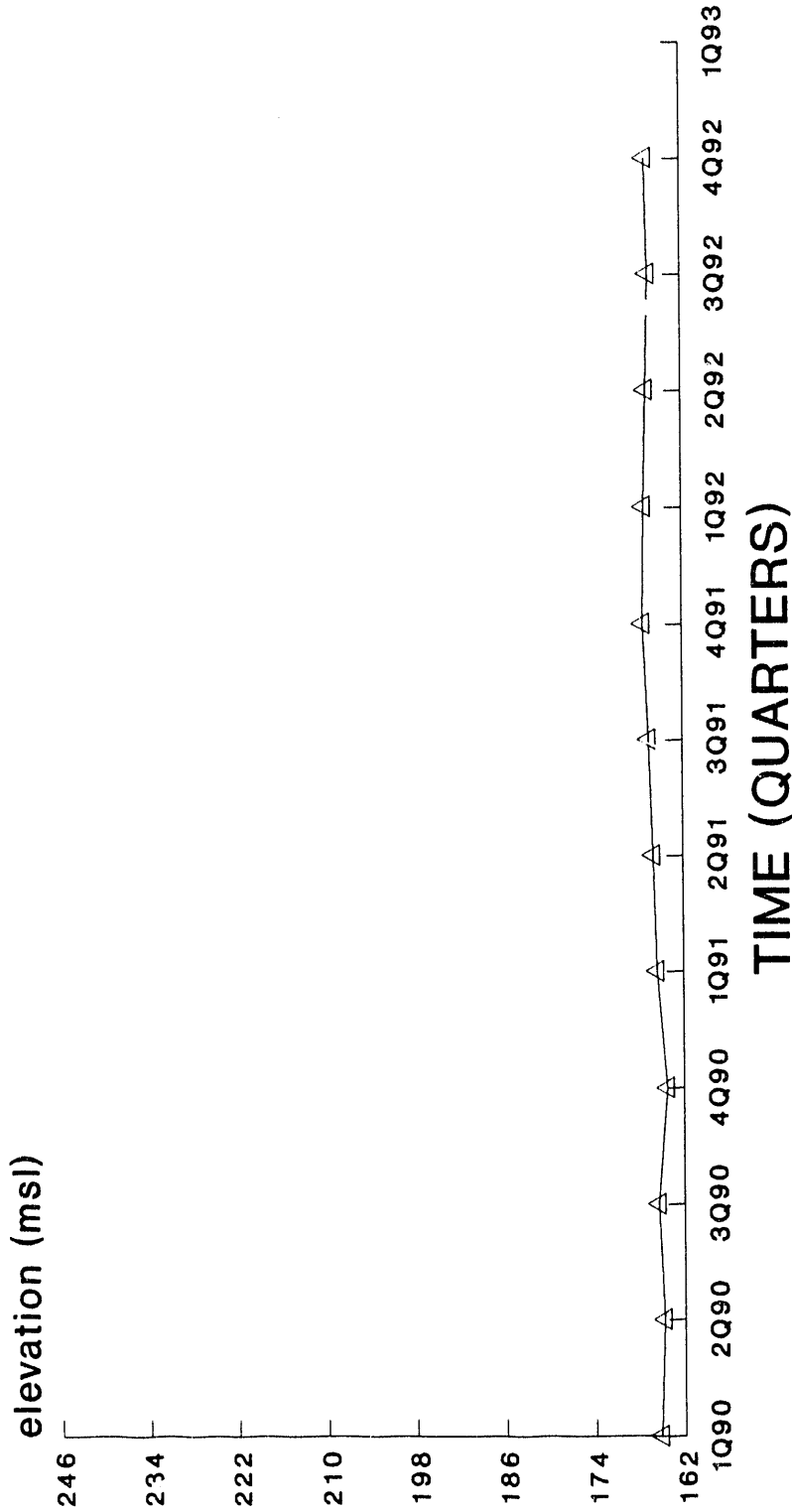
# HSB119A Water Elevation



U. CONGAREE (IIA)

empty space denotes no data or dry well

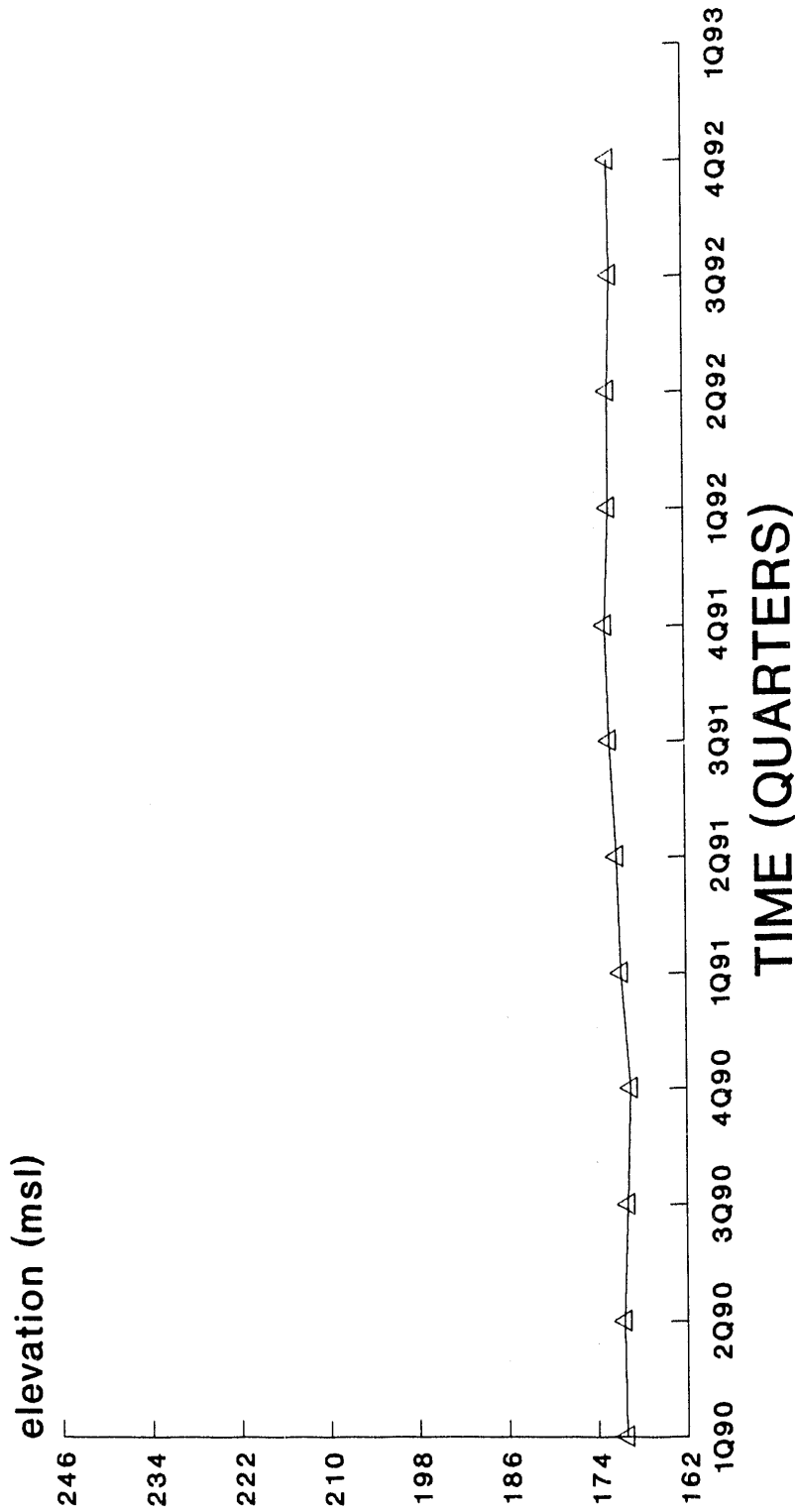
# HSB120A Water Elevation



△ U. CONGAREE (IIA)

empty space denotes no data or dry well

# HSB121A Water Elevation

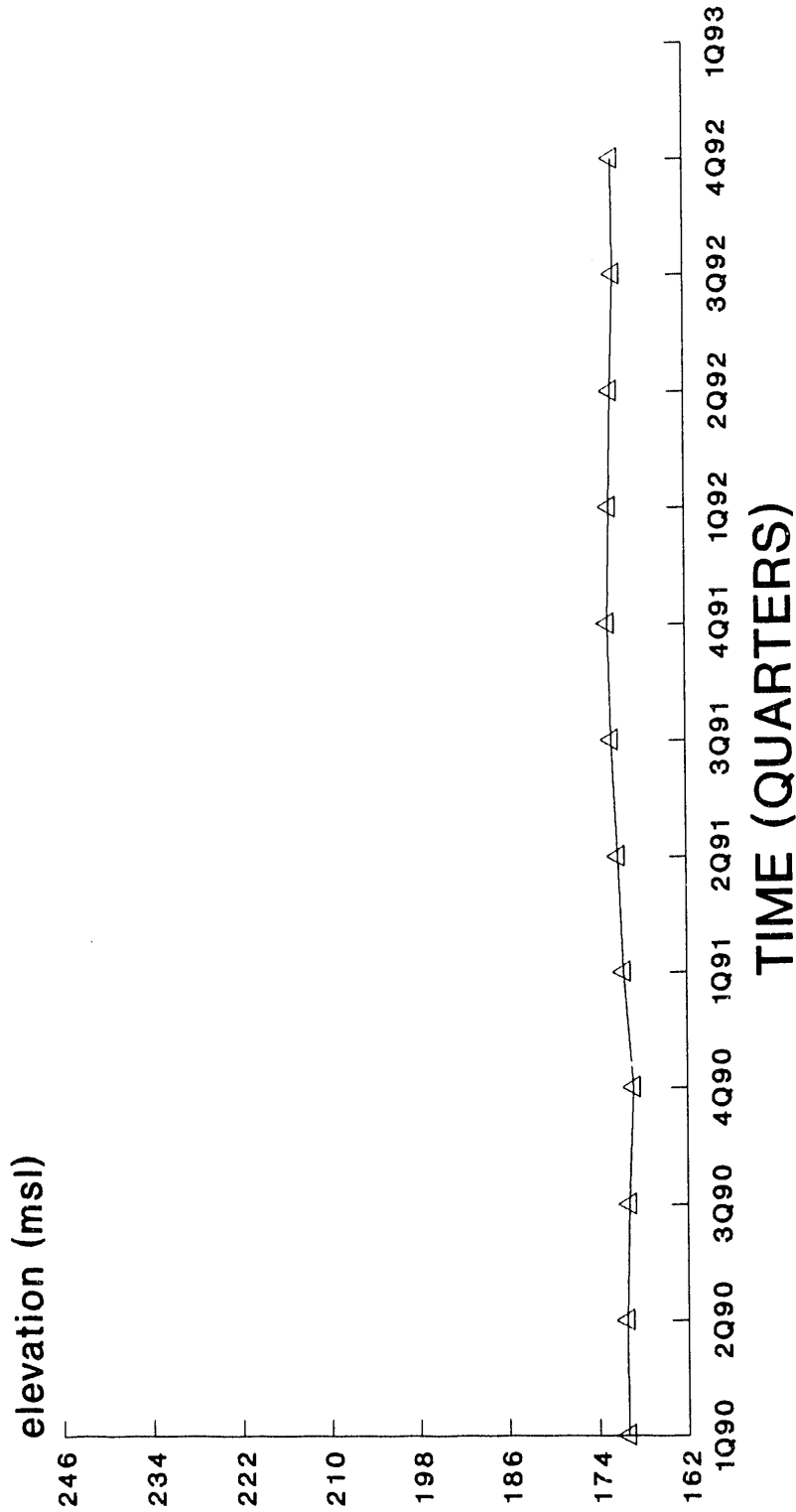


U. CONGAREE (IIA)

empty space denotes no data or dry well



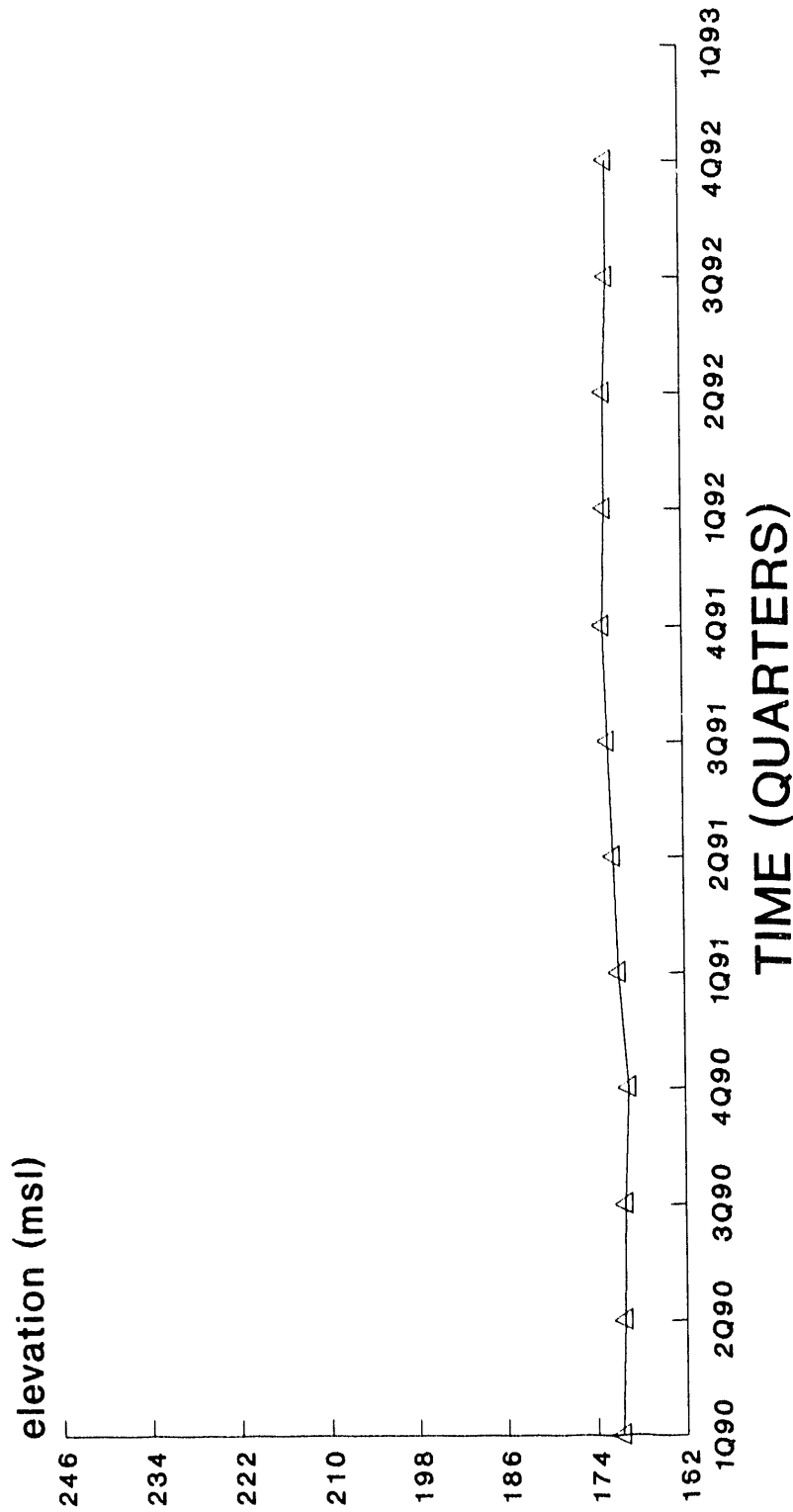
# HSB122A Water Elevation



△ U. CONGAREE (IIA)

empty space denotes no data or dry well

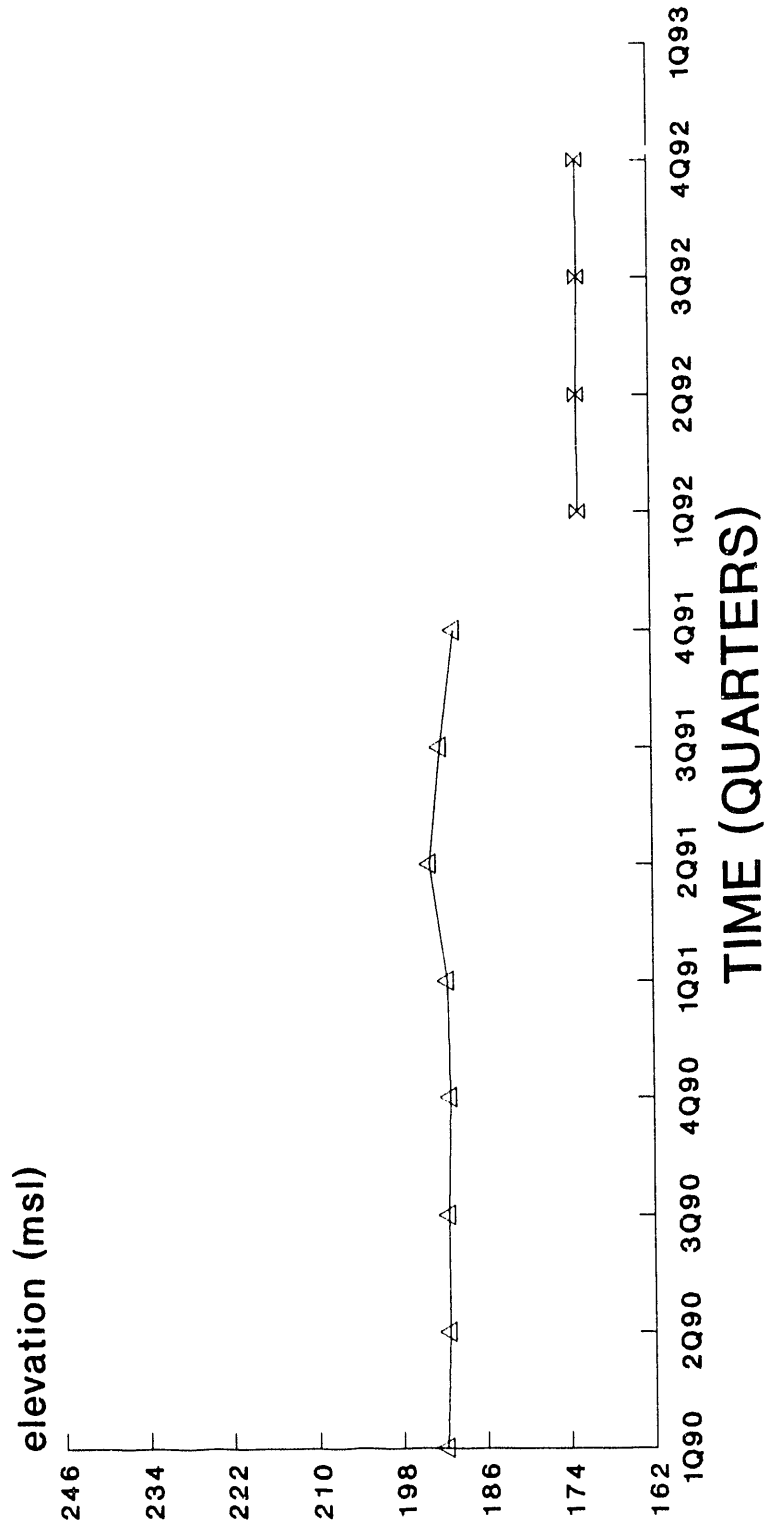
# HSB123A Water Elevation



U. CONGAREE (IIA)

empty space denotes no data or dry well

# HSB124A Water Elevation

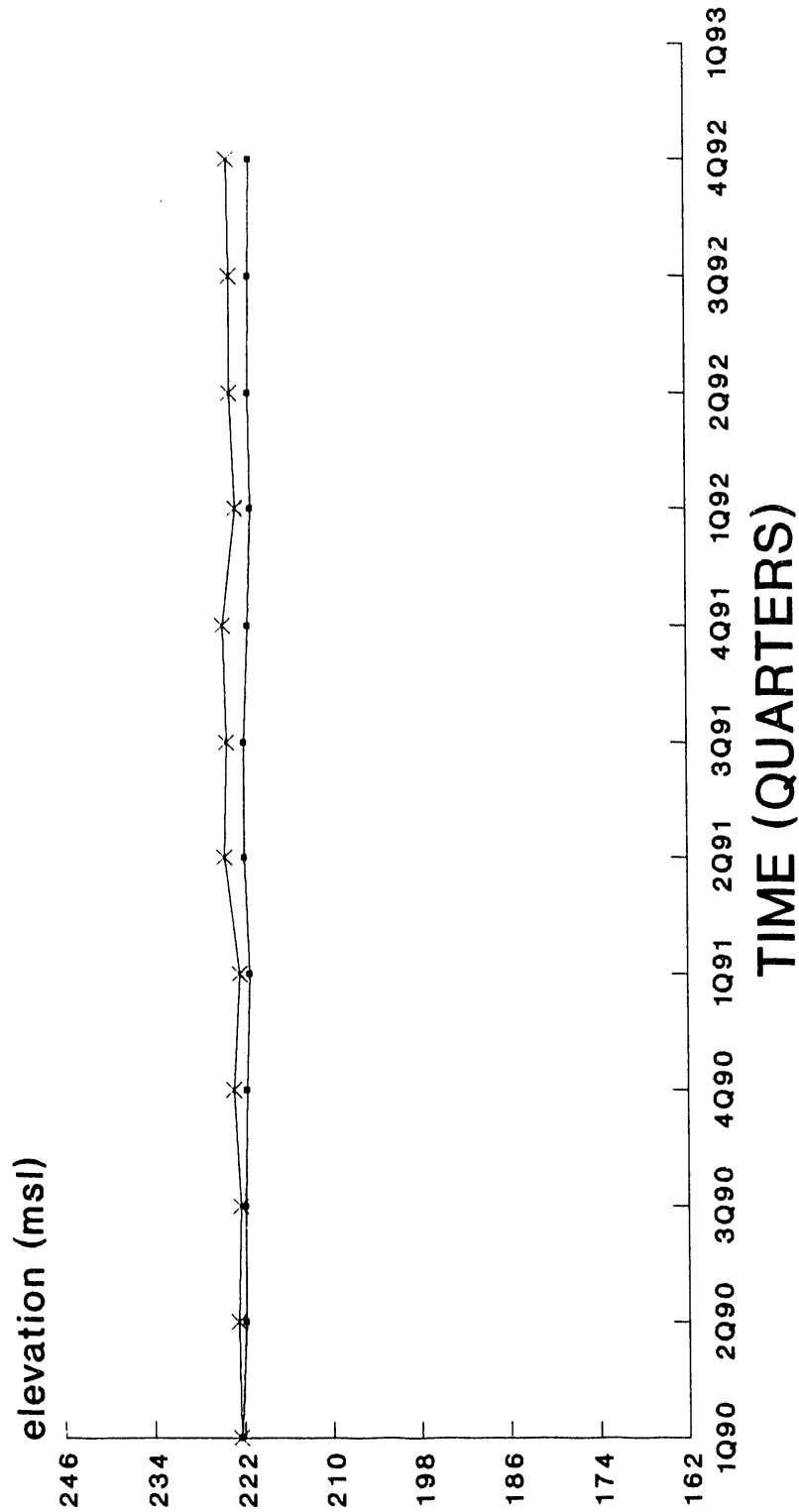


△ U. CONGAREE (IIA)    × U. CONGAREE (IIA)(R)

empty space denotes no data or dry well  
(R) denotes replacement well

# CLUSTER - HSB125

## Water Elevation

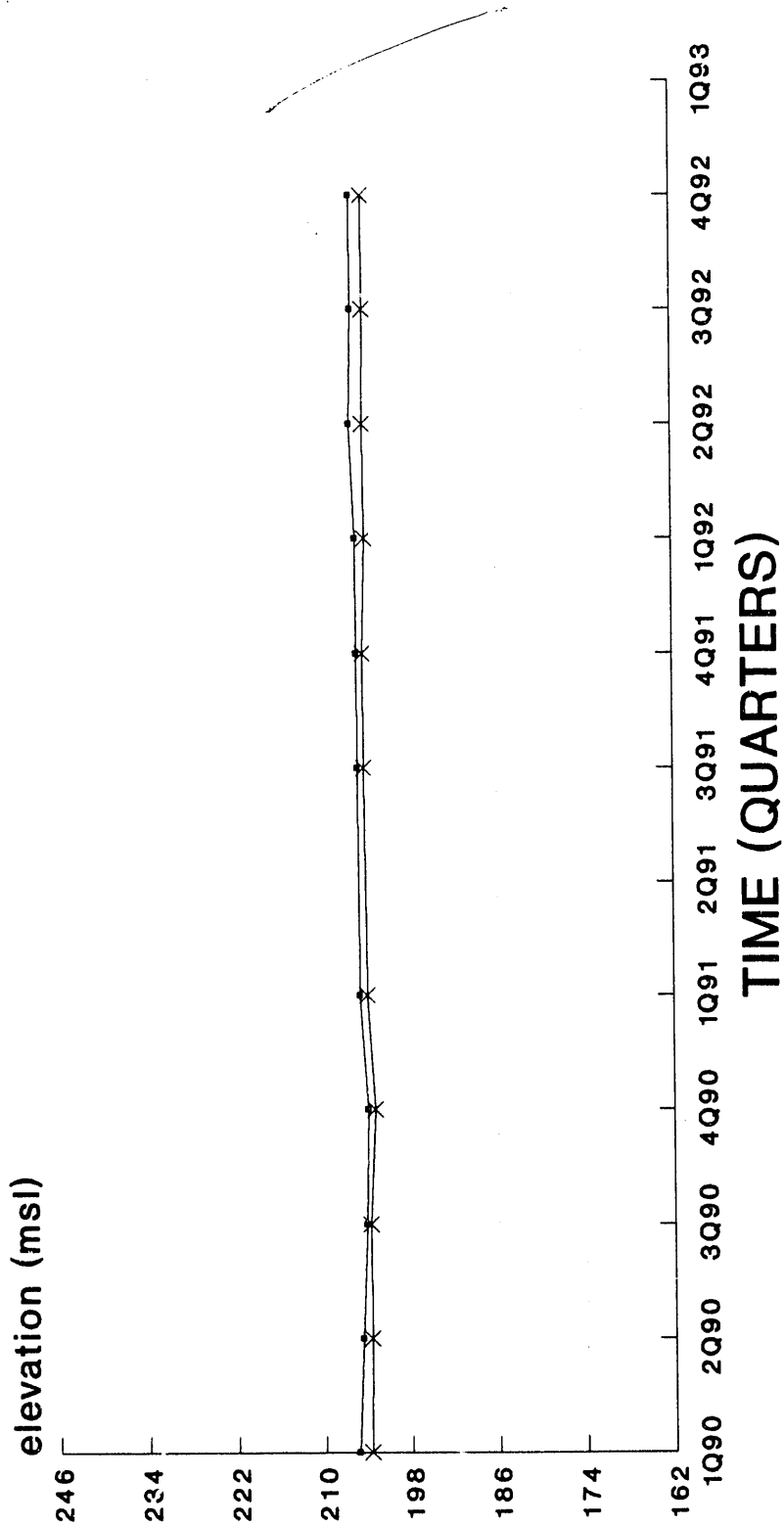


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB126

## Water Elevation

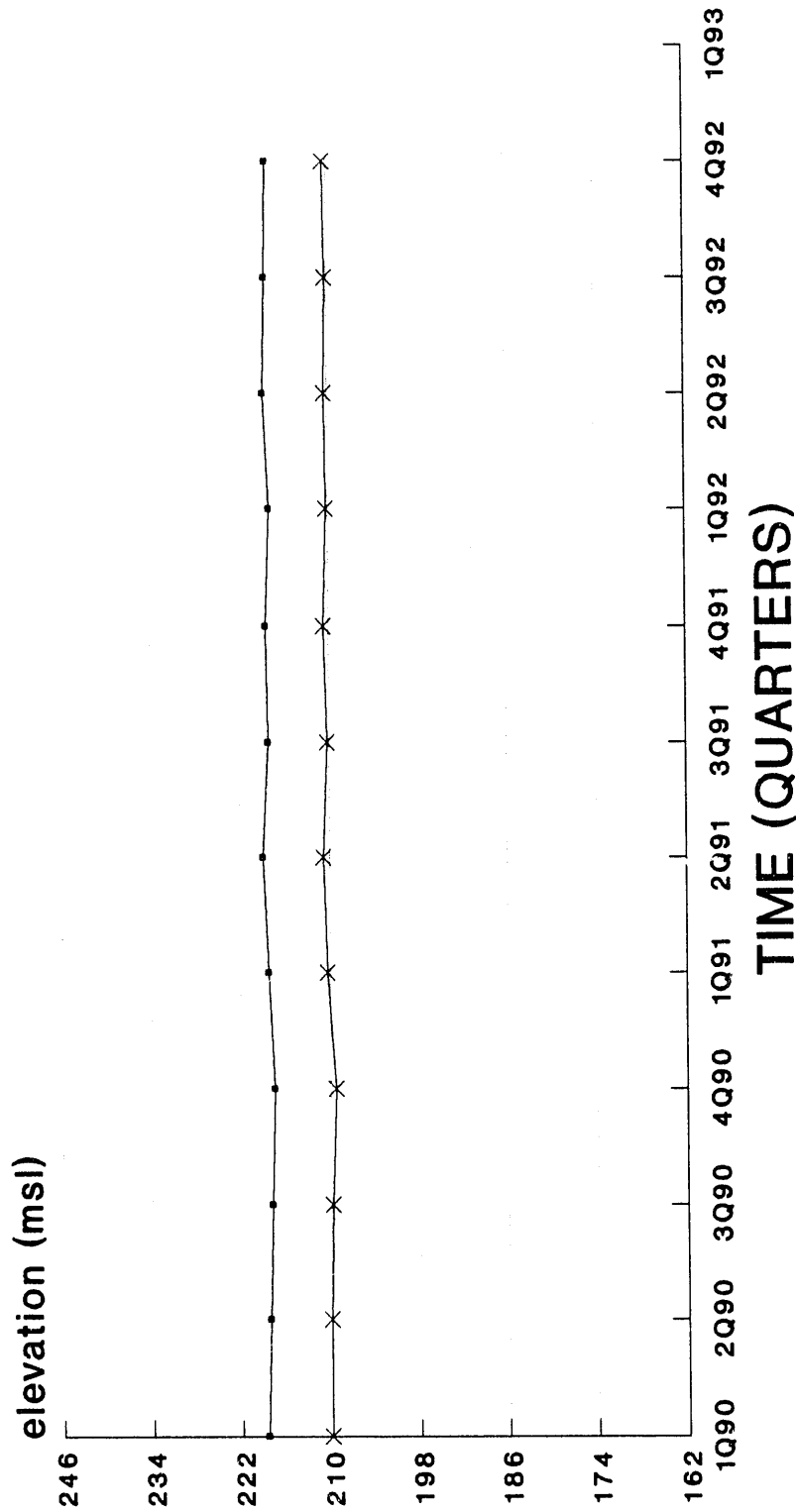


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB127

## Water Elevation

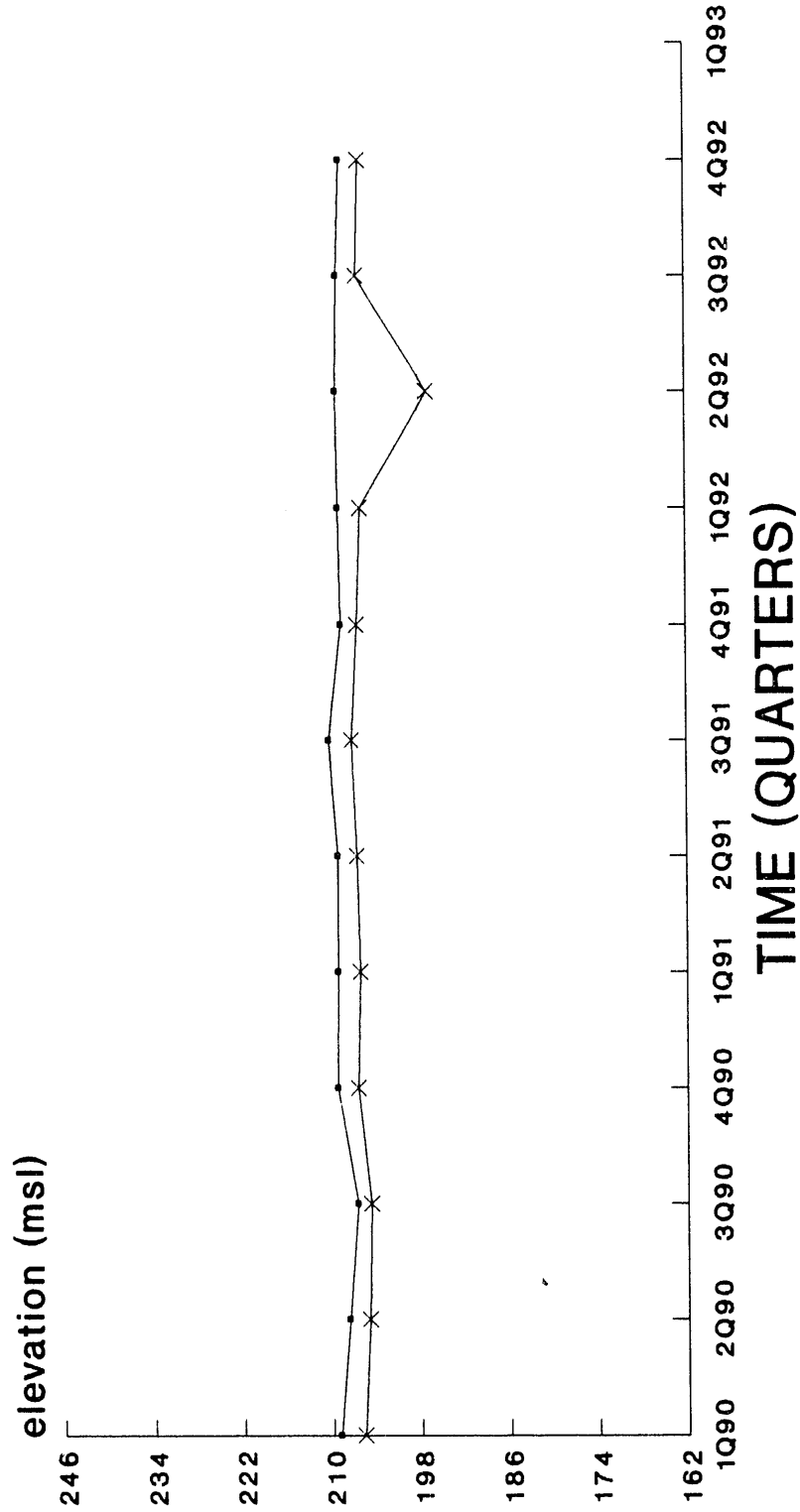


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB129

## Water Elevation

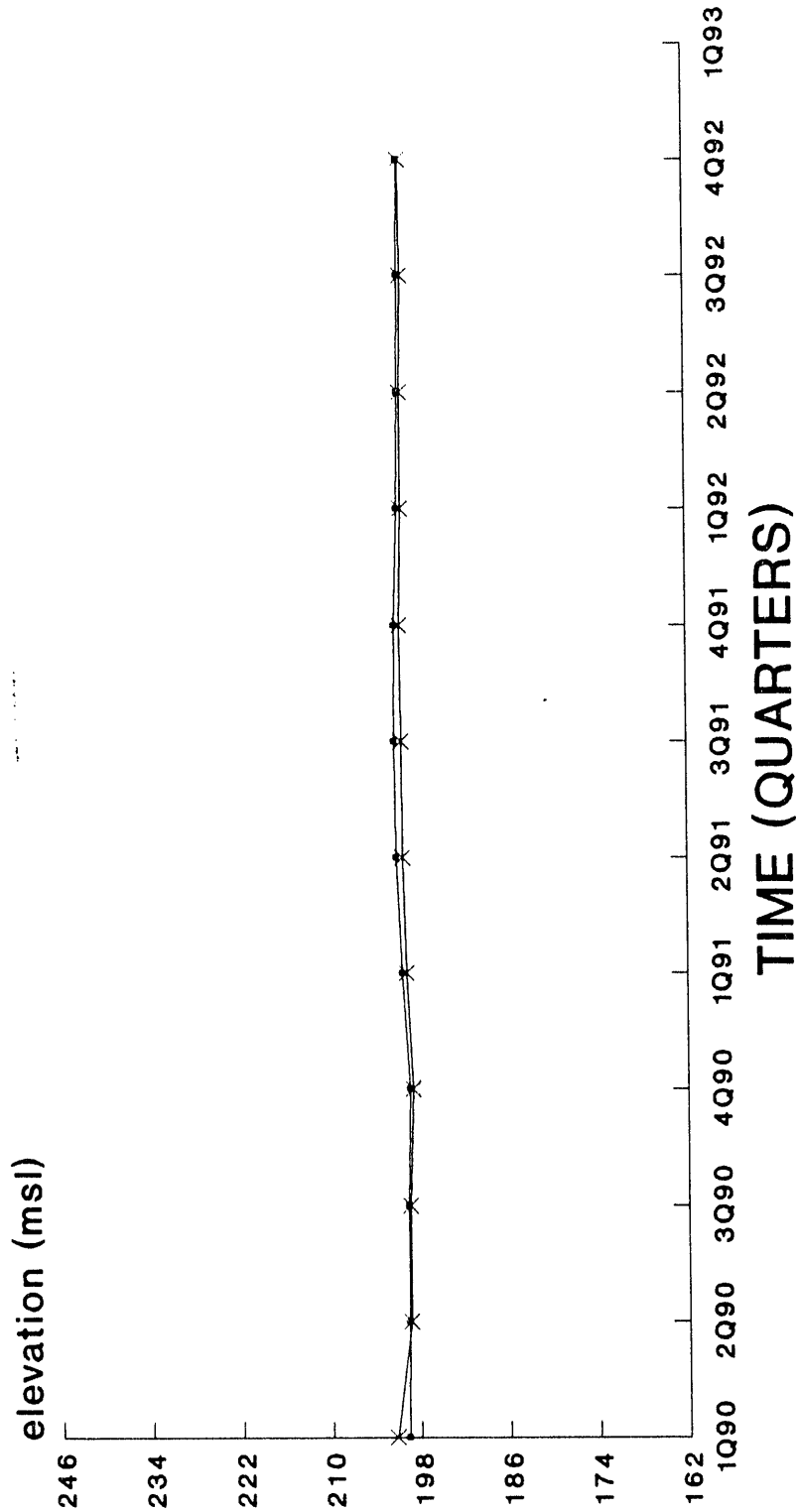


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB130

## Water Elevation



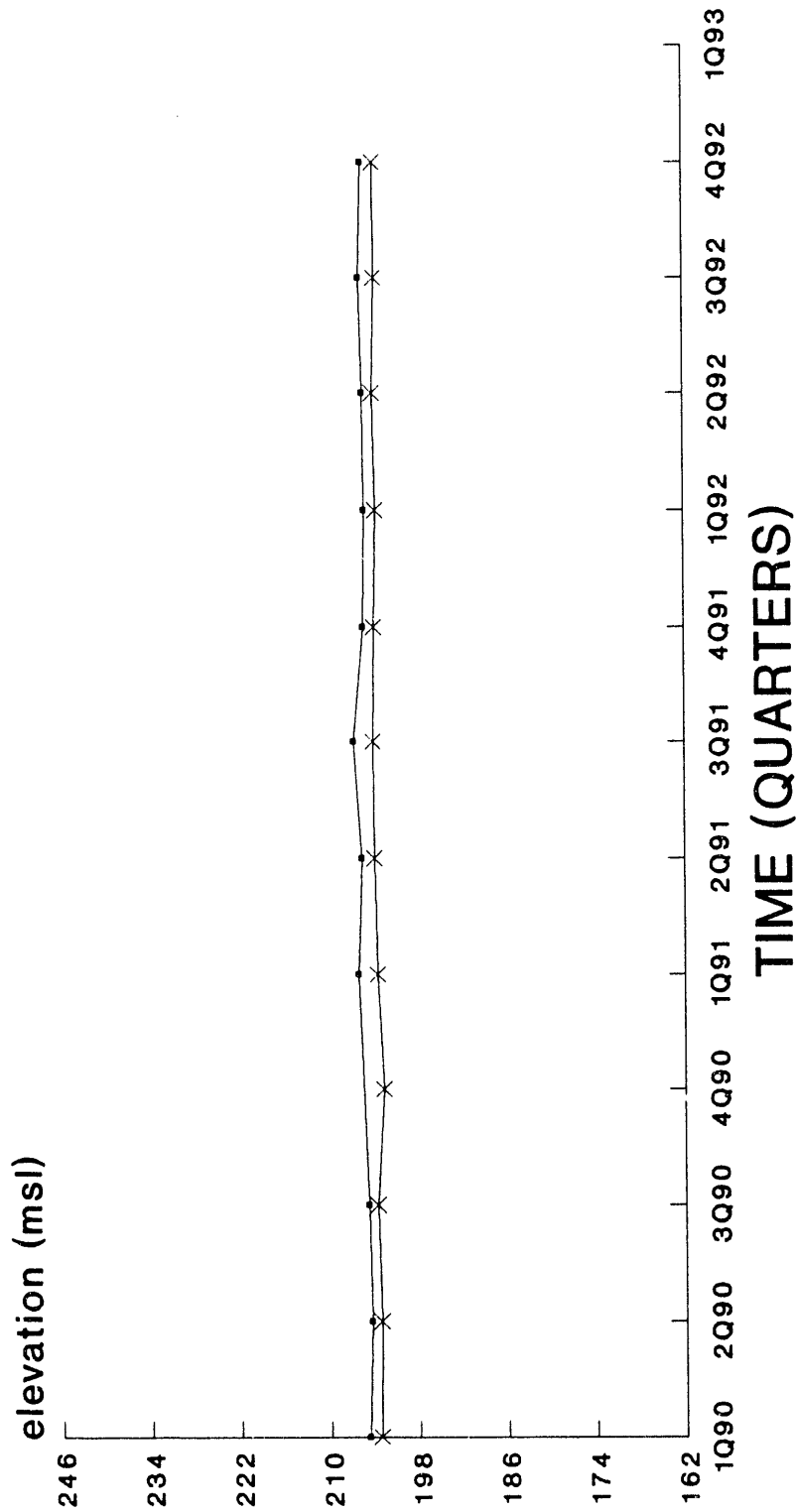
—•— WATER TABLE (IIB2)    -\*- BARNWELL (IIB1)

empty space denotes no data or dry well



# CLUSTER - HSB131

## Water Elevation

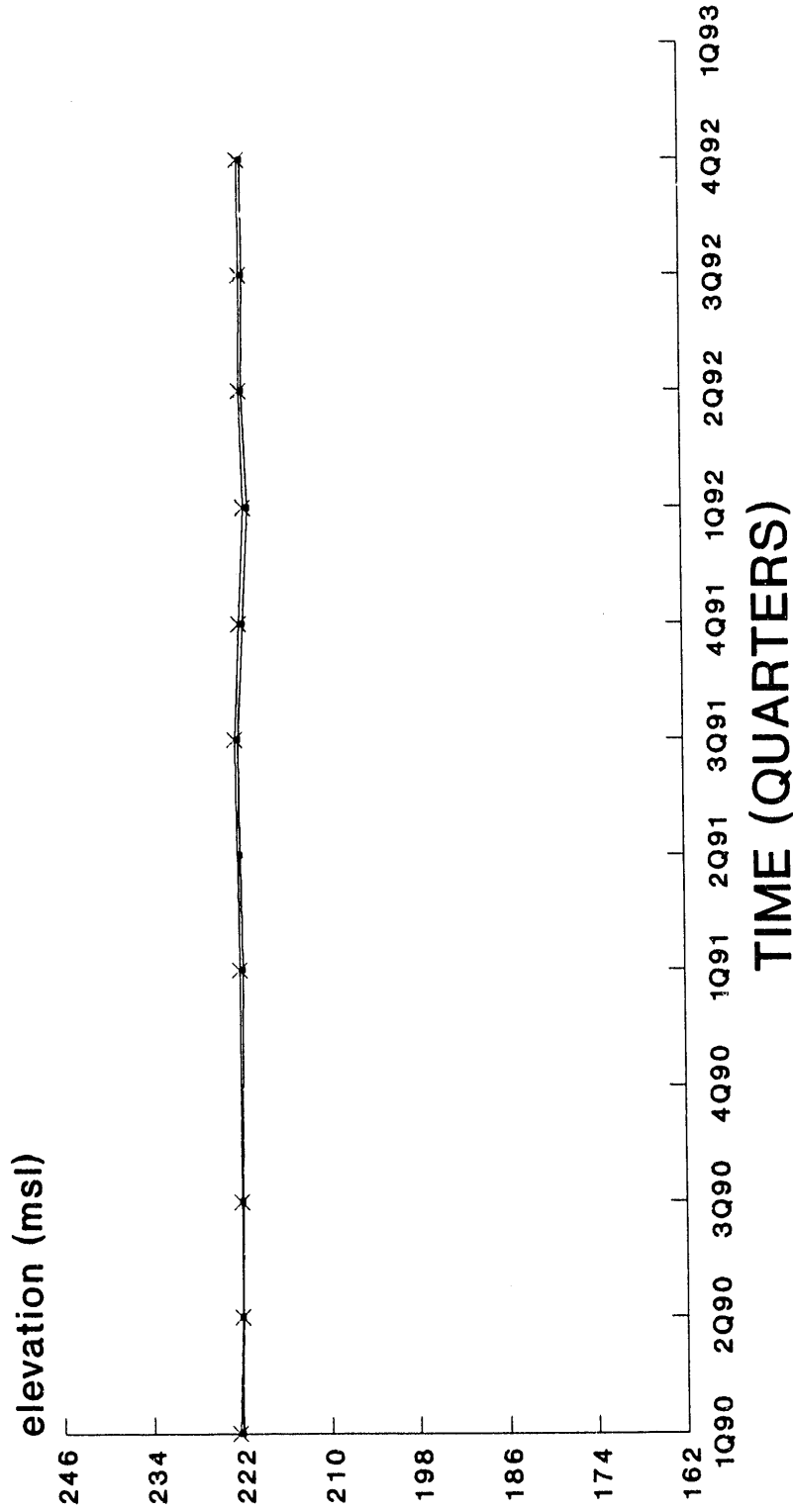


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB132

## Water Elevation

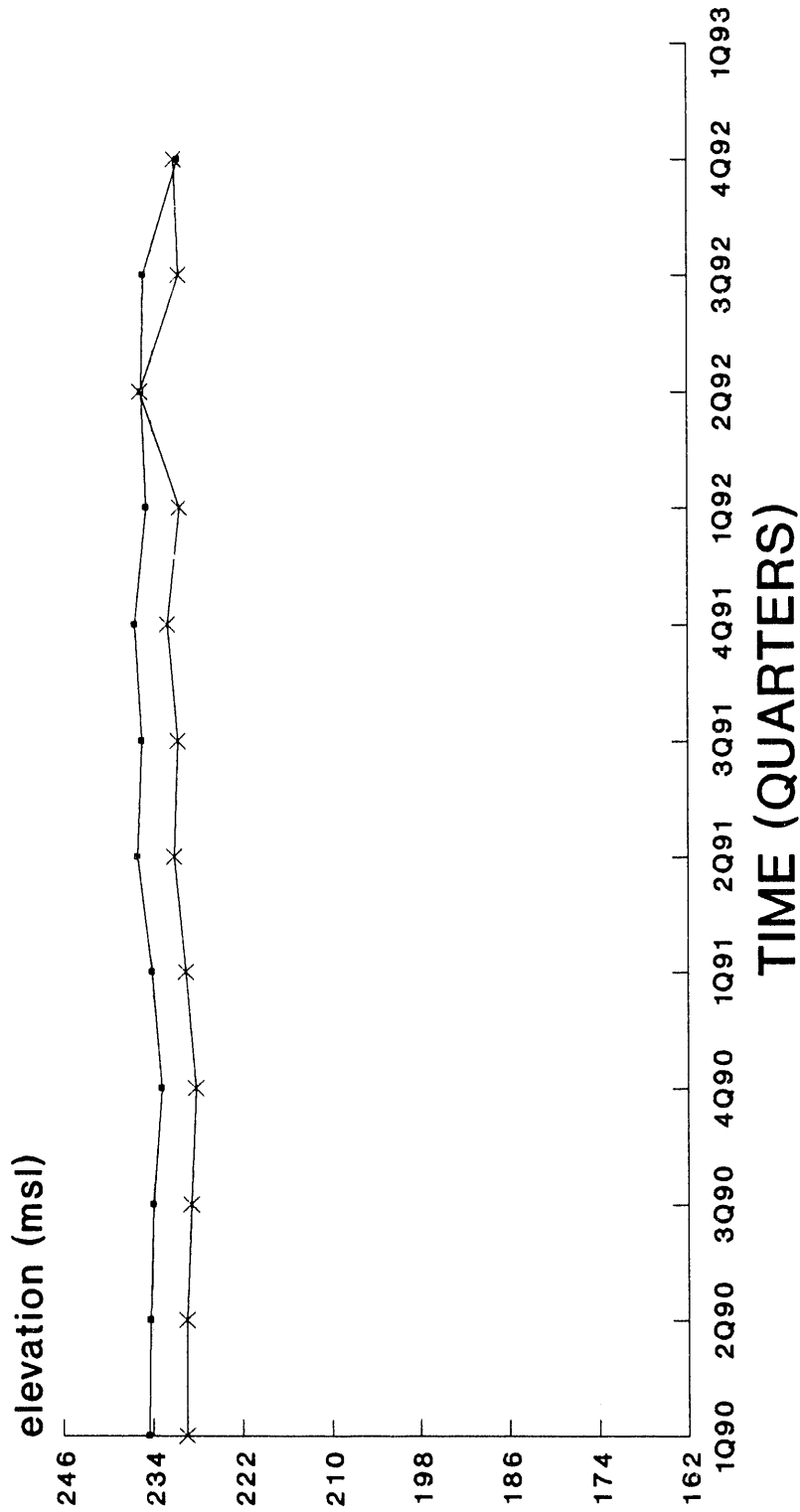


--- WATER TABLE (IIB2)    x BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB133

## Water Elevation

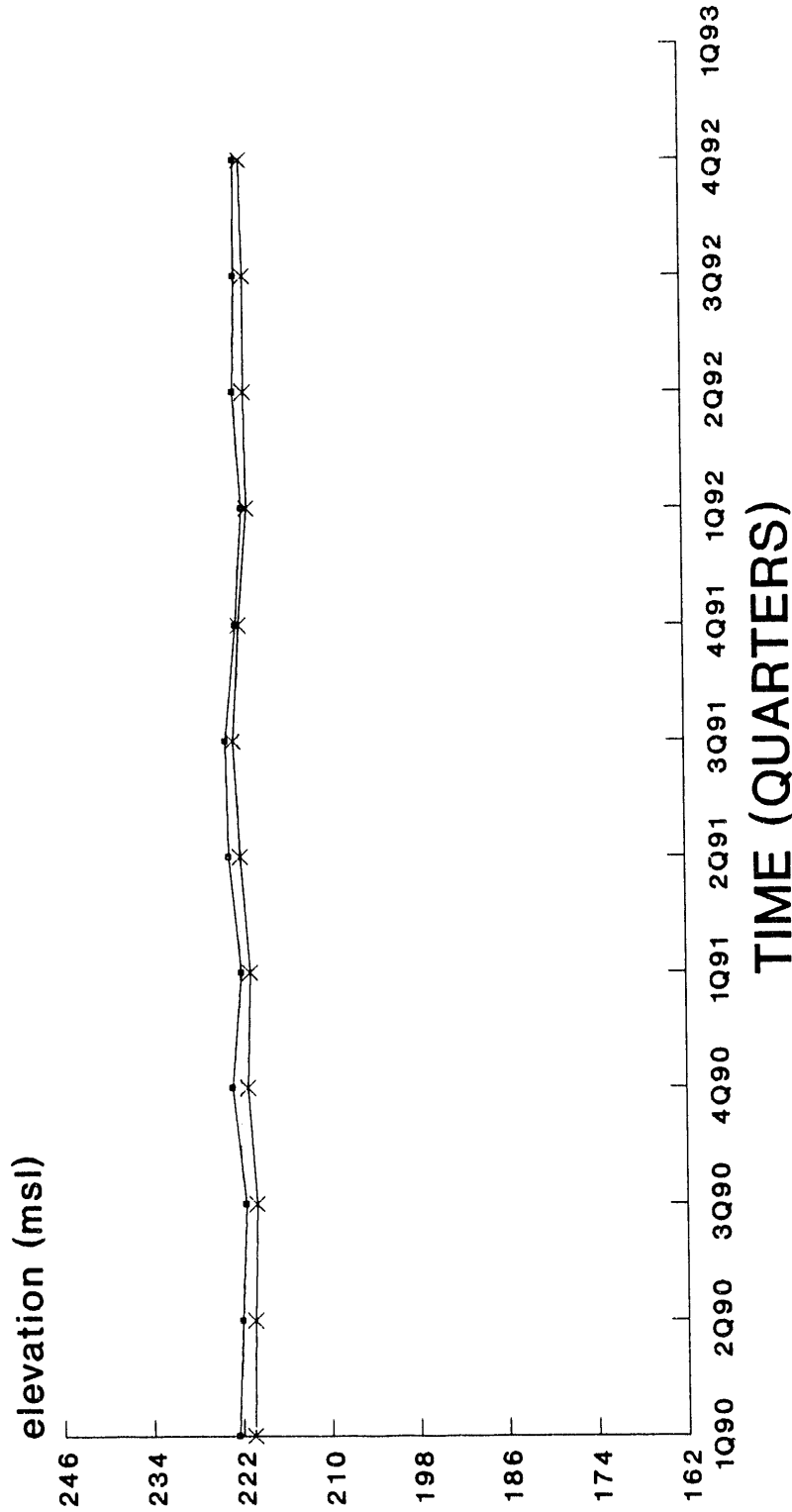


—●— WATER TABLE (IIB2)    -x- BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB134

## Water Elevation

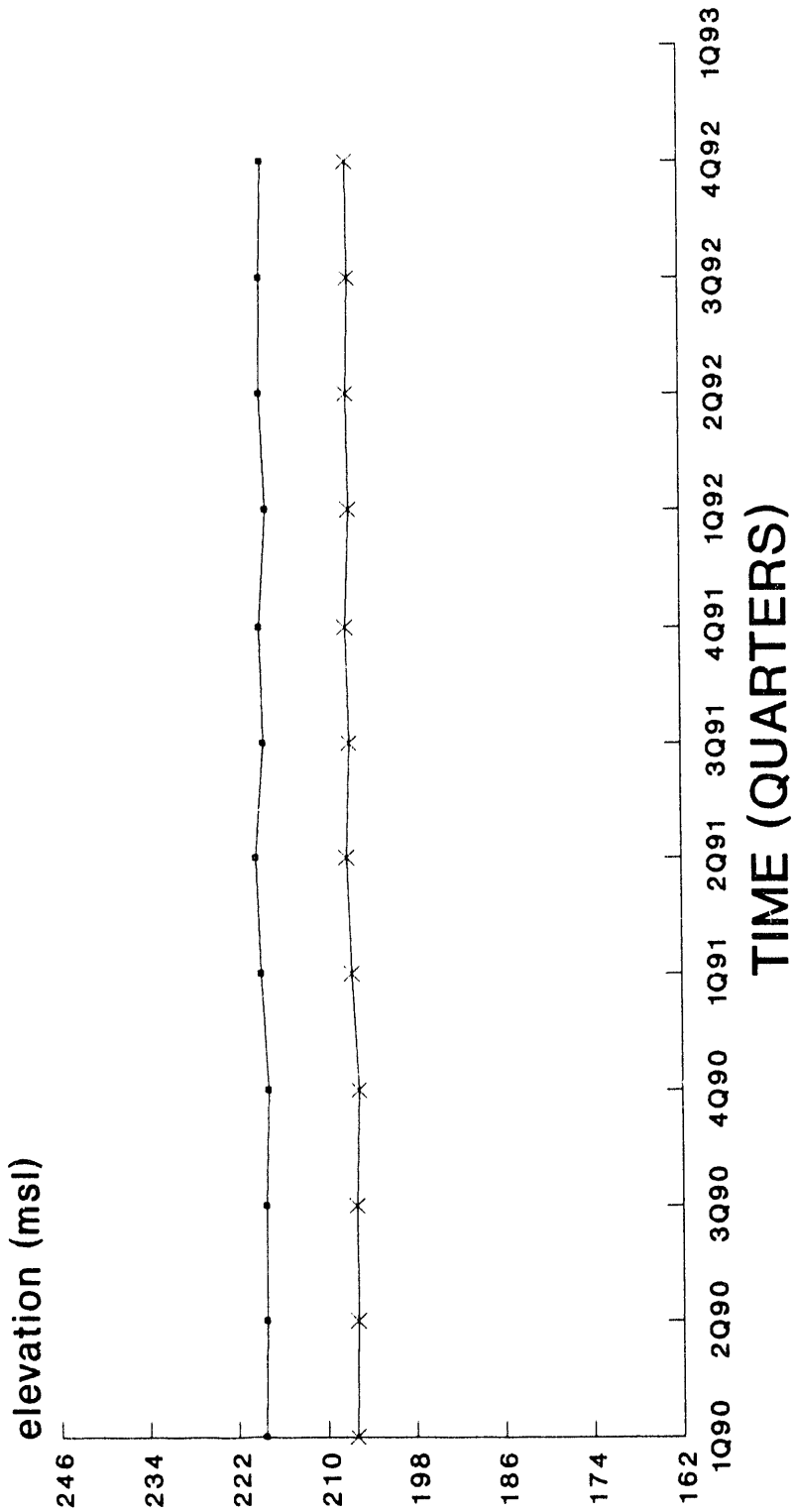


—■— WATER TABLE (IIB2)    -x- BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB135

## Water Elevation

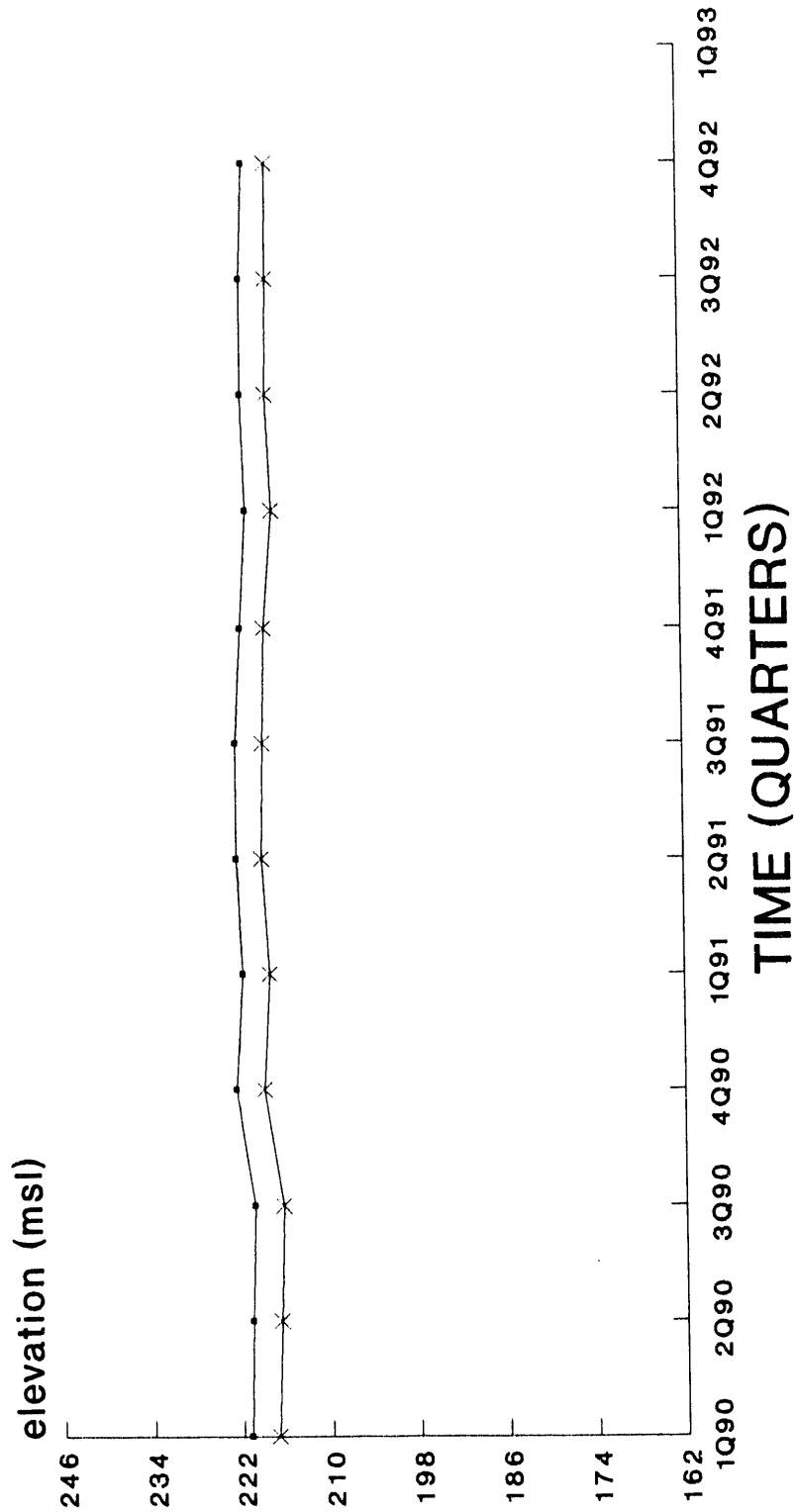


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB136

## Water Elevation

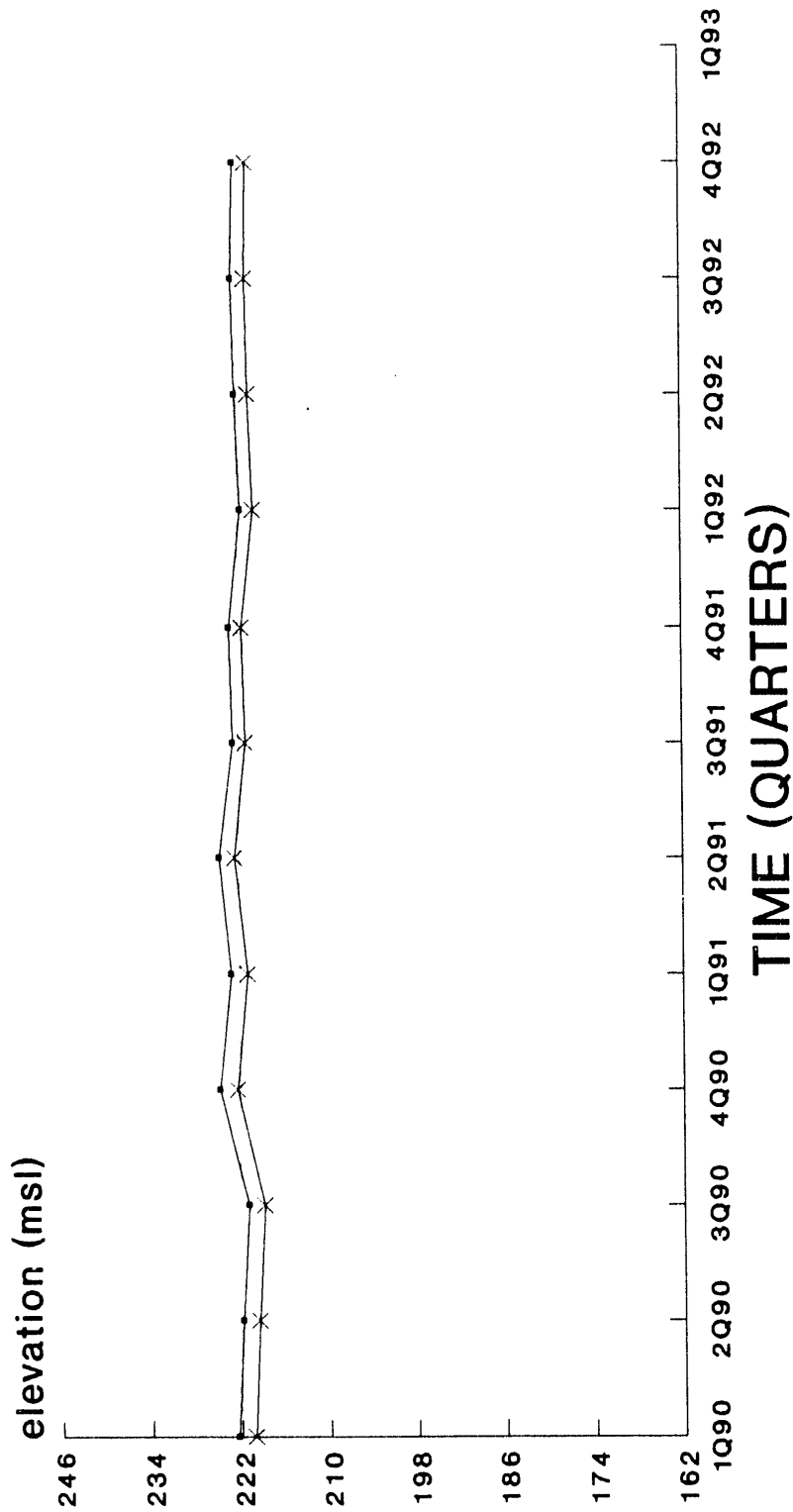


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB137

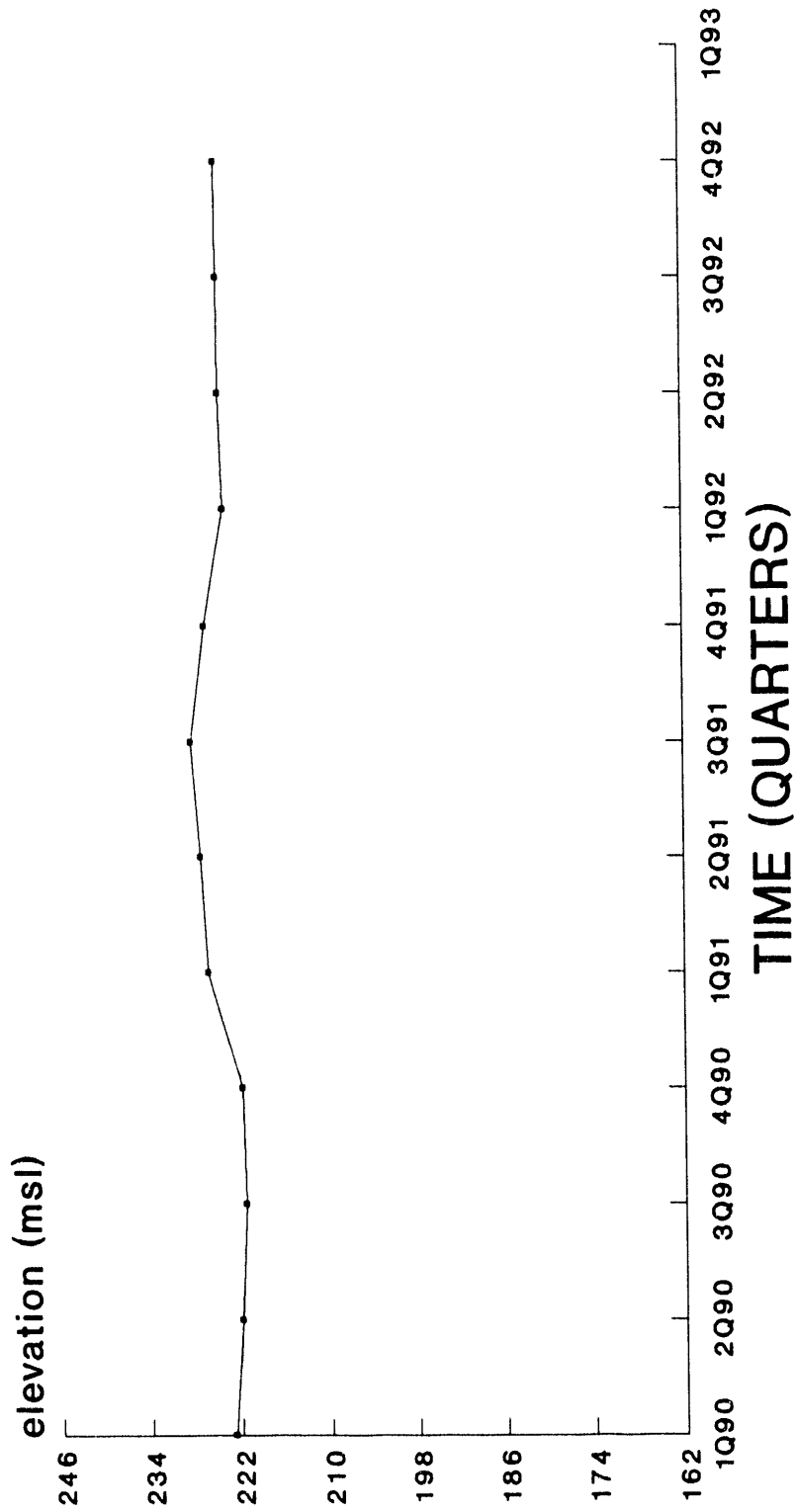
## Water Elevation



—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)

empty space denotes no data or dry well

# HSB138D Water Elevation



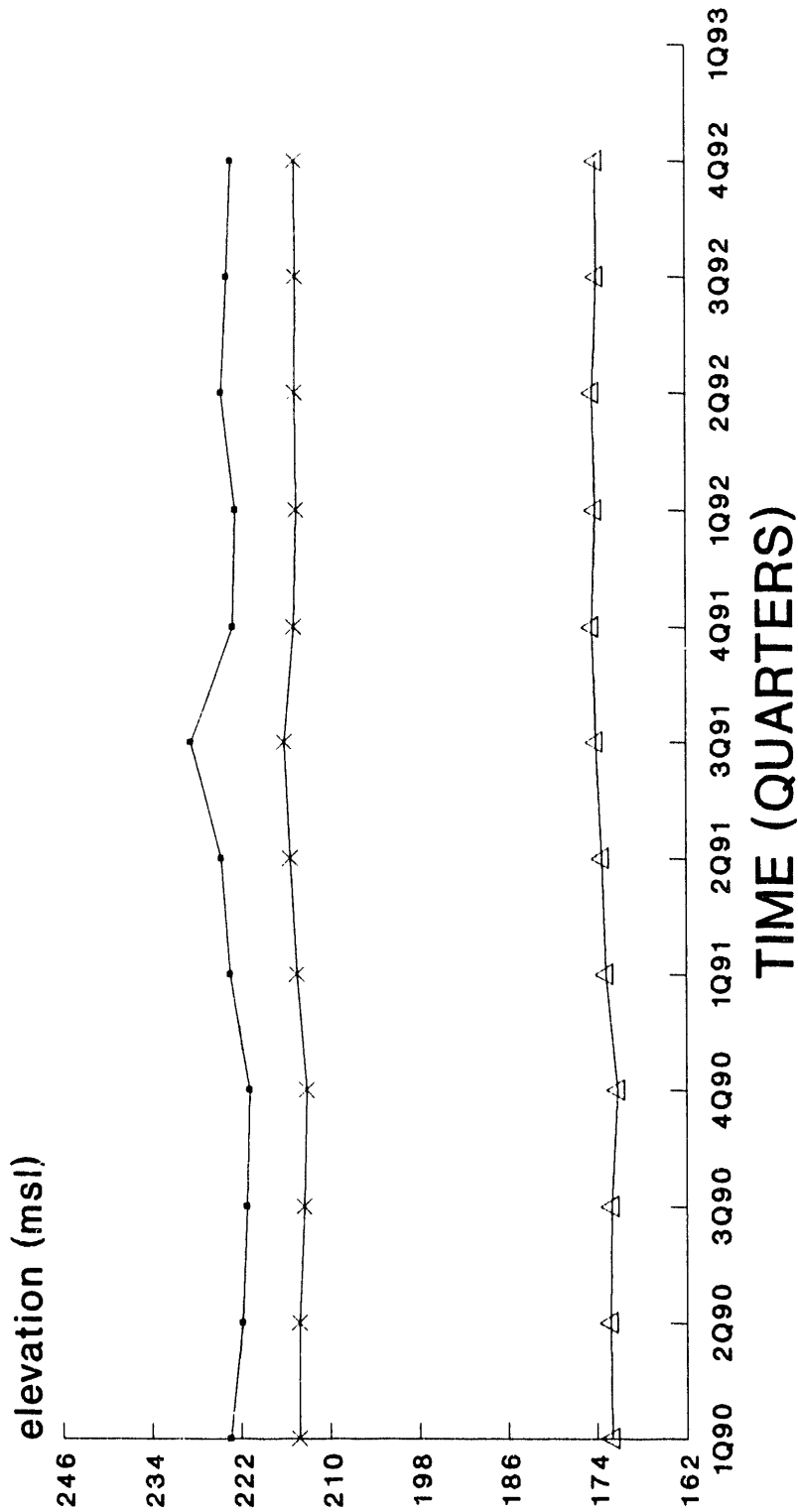
—•— WATER TABLE (IIB2)

empty space denotes no data or dry well



# CLUSTER - HSB139

## Water Elevation

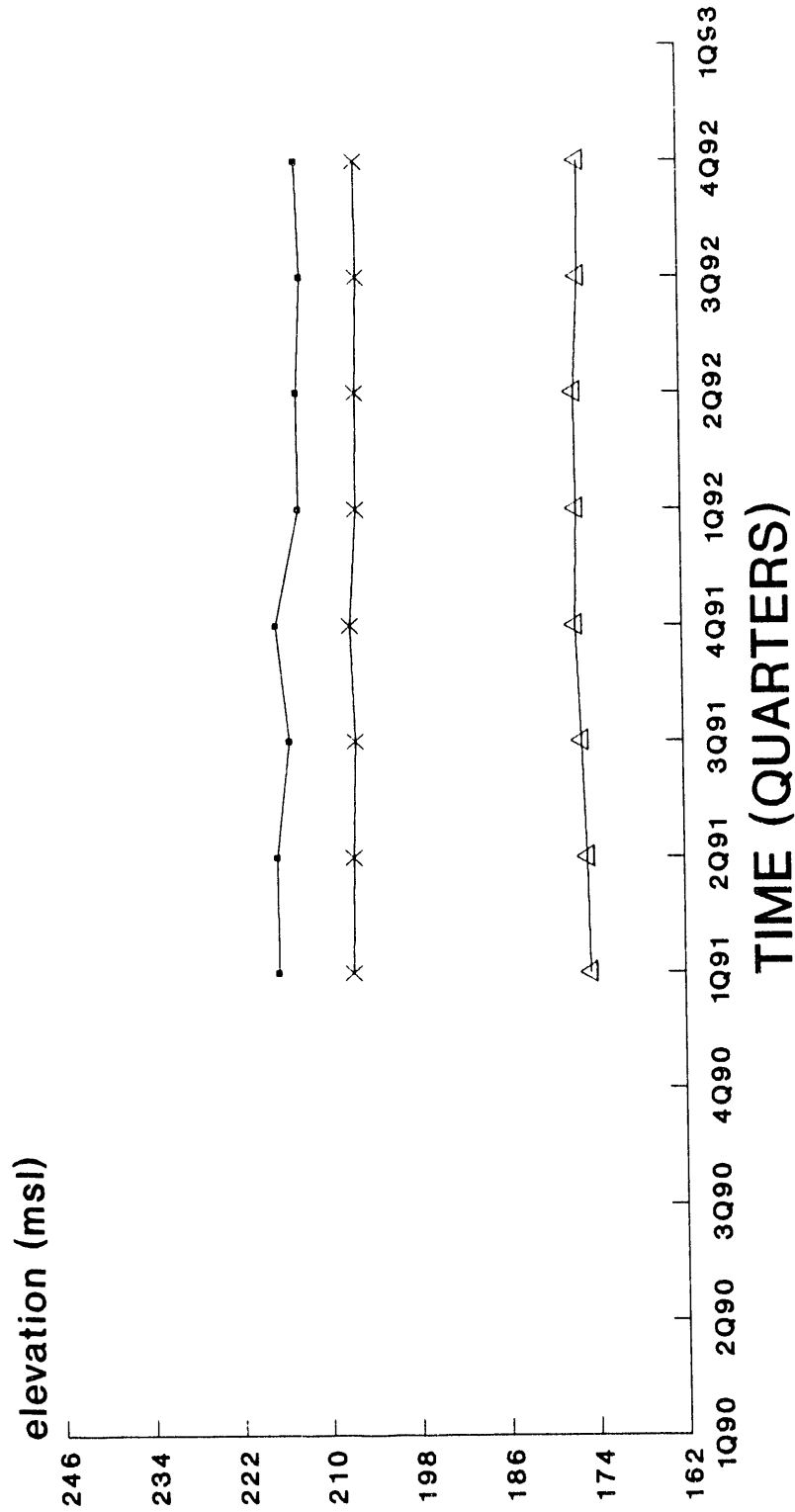


—•— WATER TABLE (IIB2)    —\*— BARNWELL (IIB1)    —△— U. CONGAREE (IIA)

empty space denotes no data or dry well

# CLUSTER - HSB140

## Water Elevation

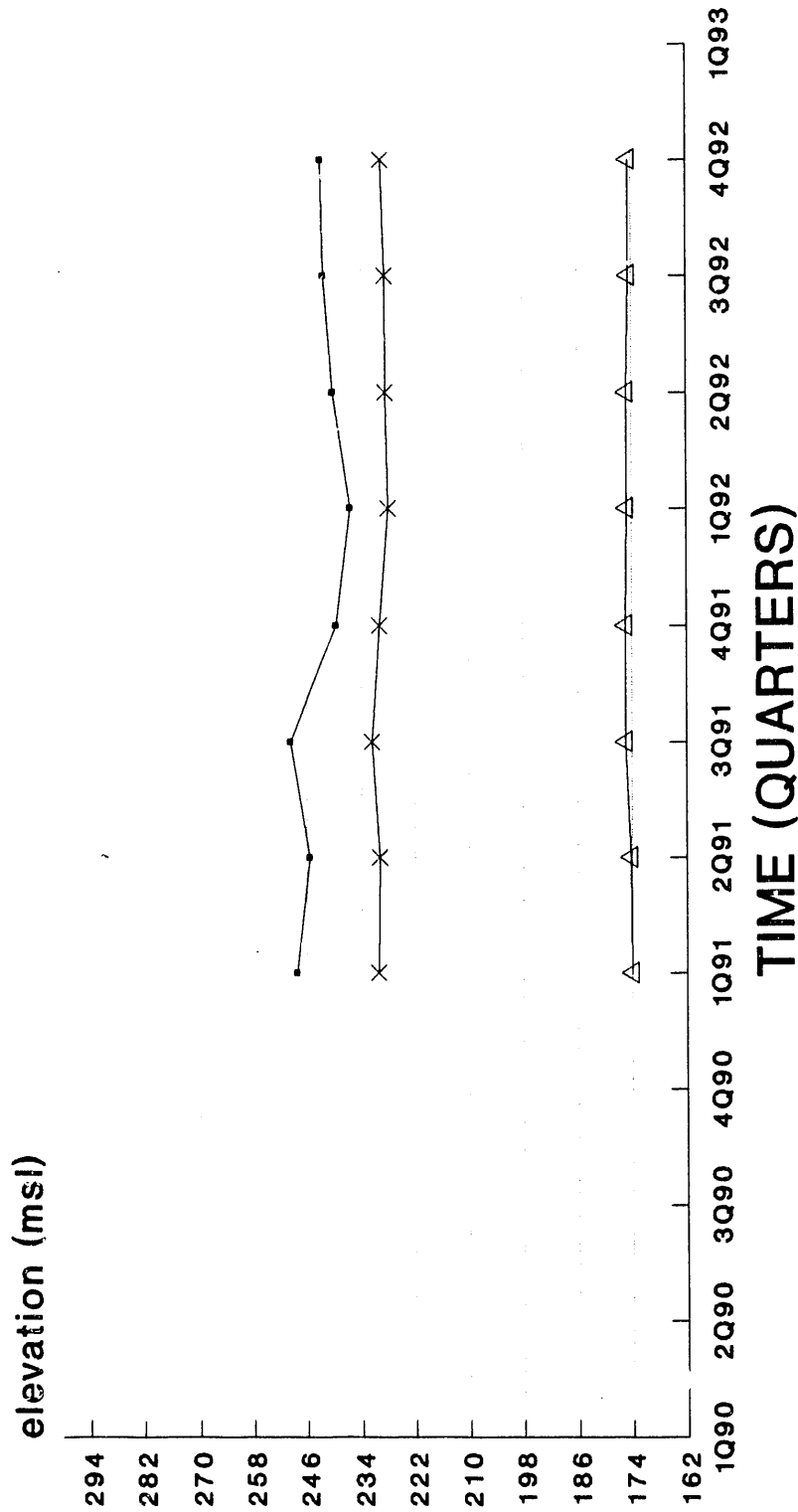


—●— WATER TABLE (IIB2)    —×— BARNWELL (IIB1)    —△— U. CONGAREE (IIA)

empty space denotes no data or dry well

# CLUSTER - HSB141

## Water Elevation

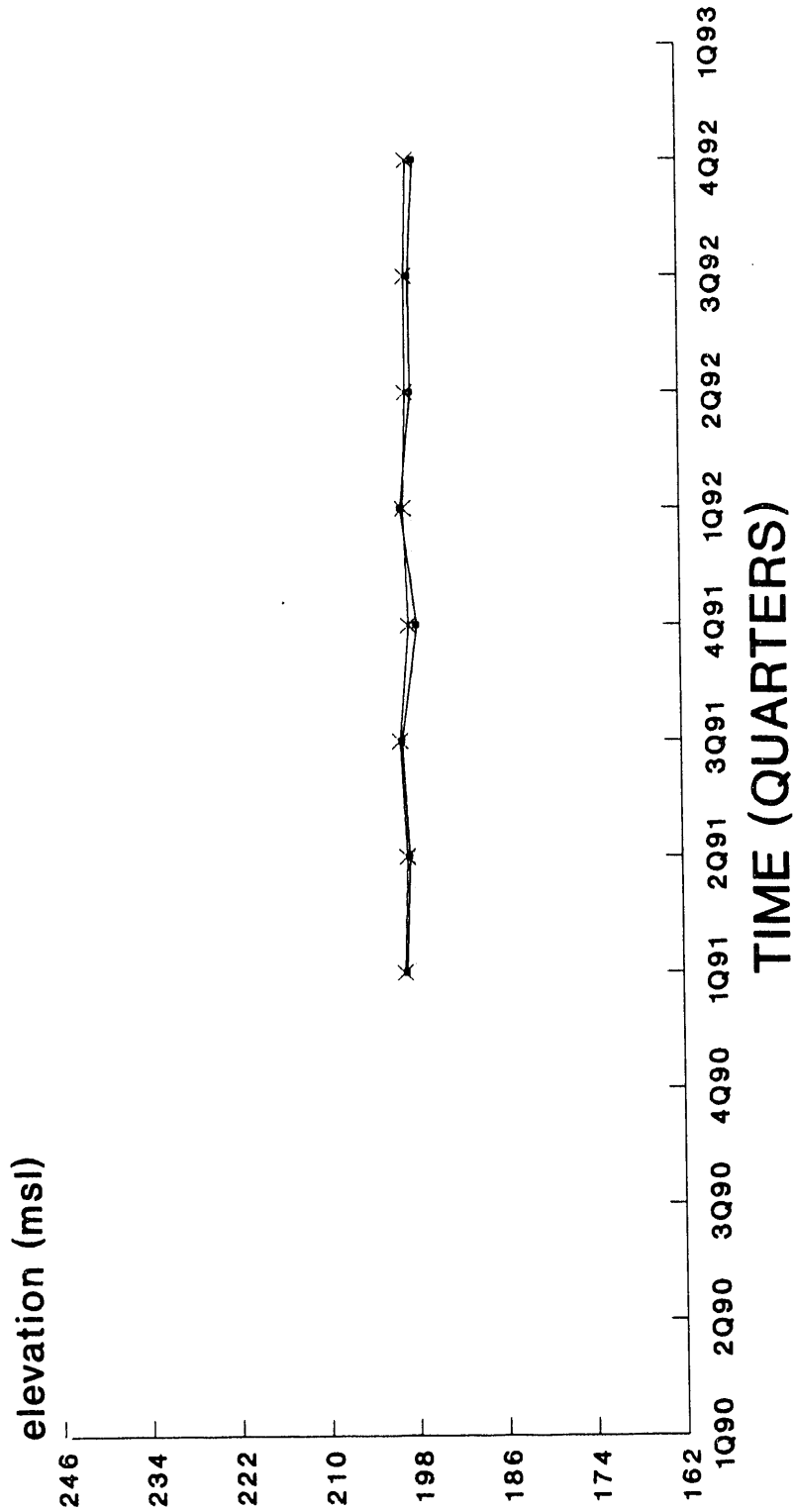


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)    —△— U. CONGAREE (IIA)

empty space denotes no data or dry well

# CLUSTER - HSB142

## Water Elevation

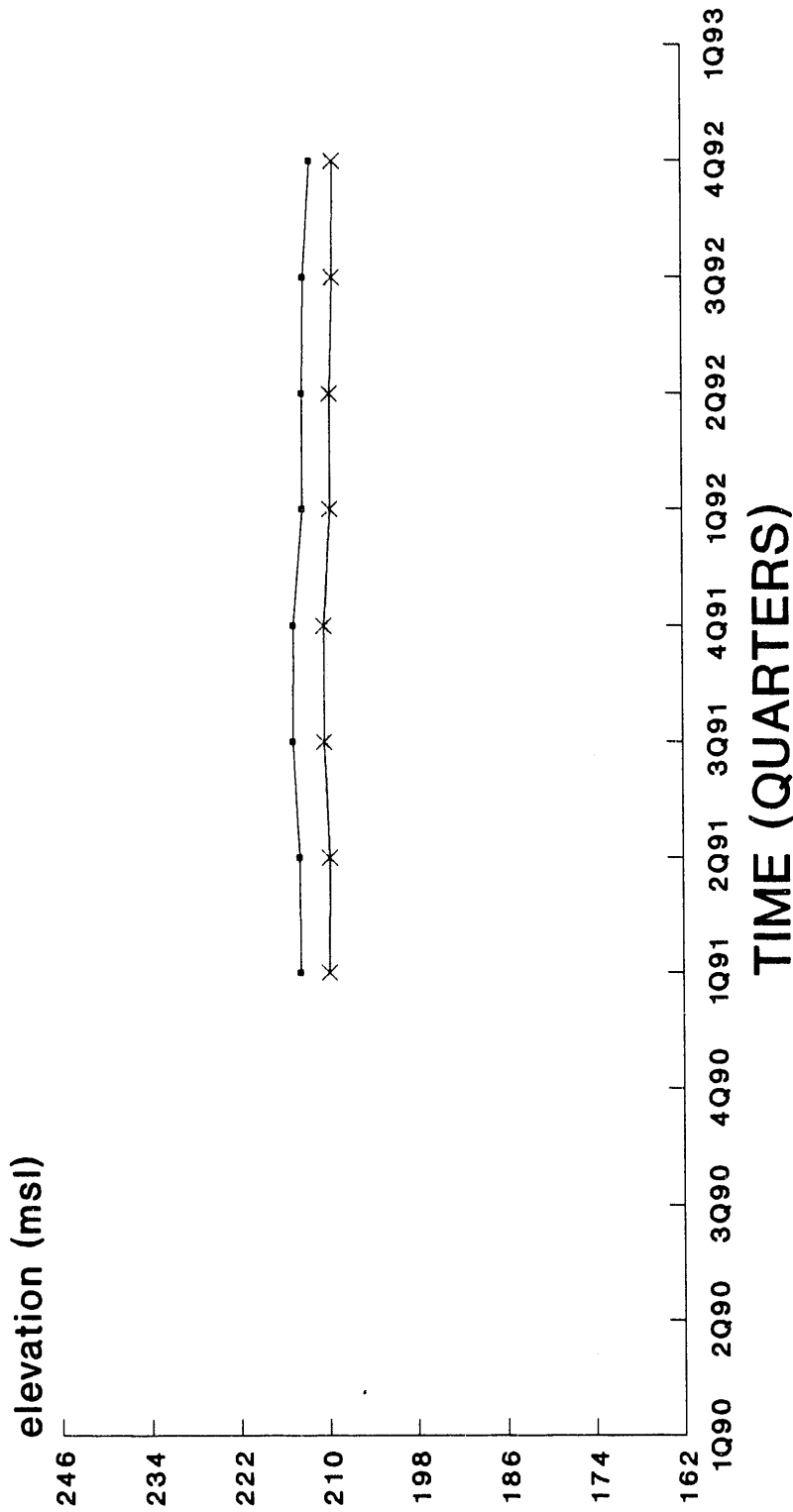


—■— WATER TABLE (IIB2)    -x- BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB143

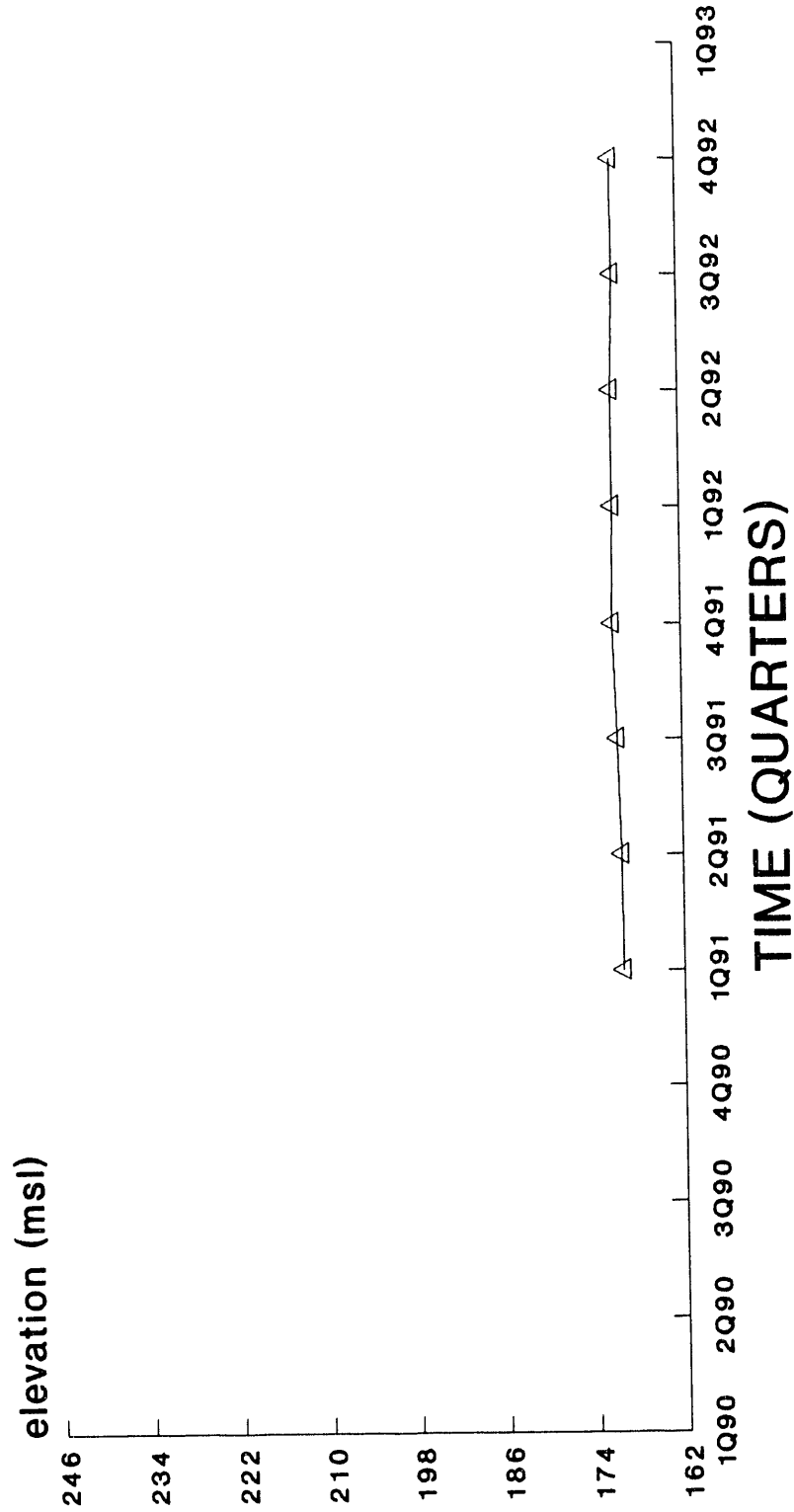
## Water Elevation



—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# HSB144A Water Elevation

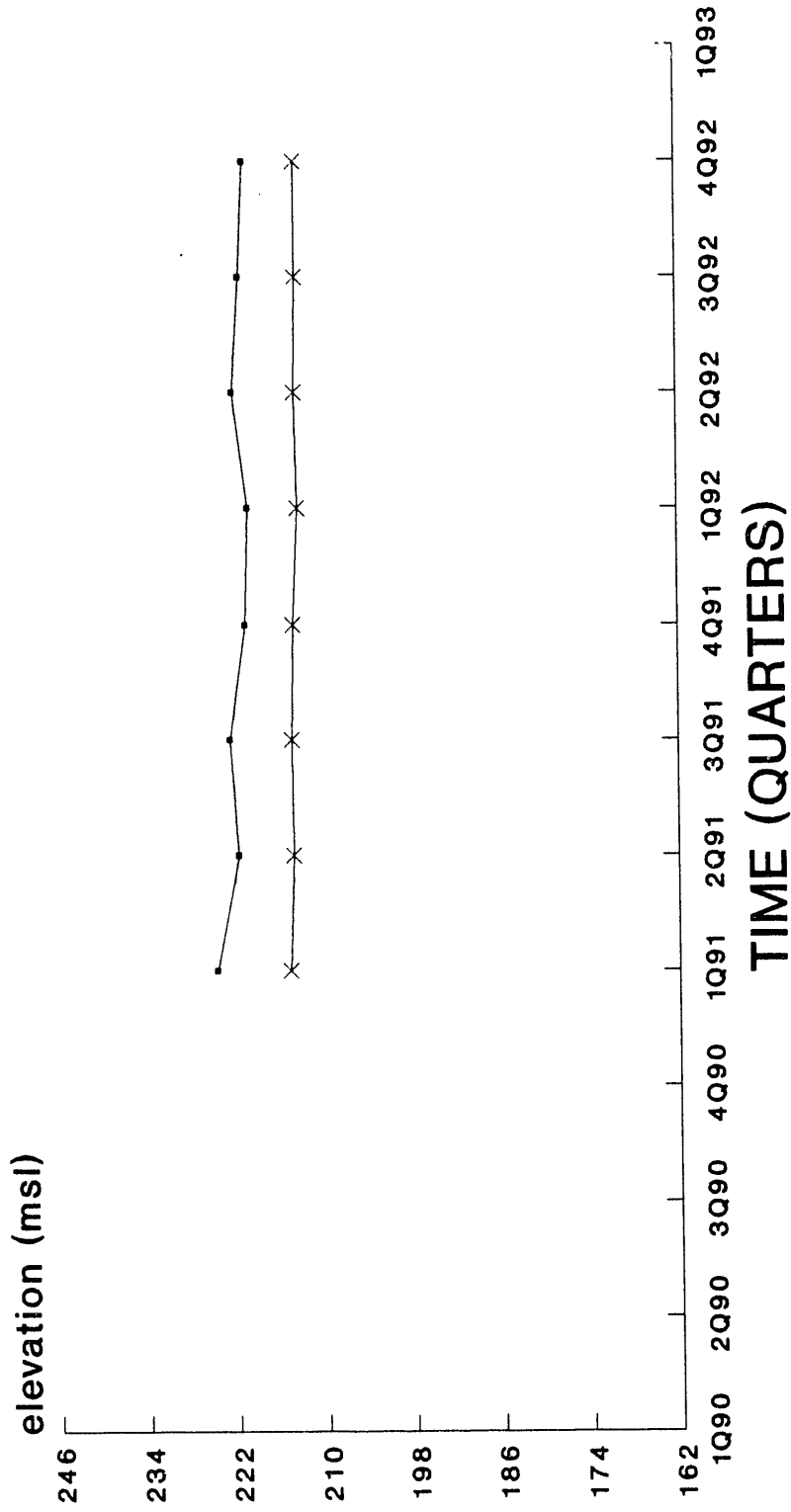


U. CONGAREE (IIA)

empty space denotes no data or dry well

# CLUSTER - HSB145

## Water Elevation

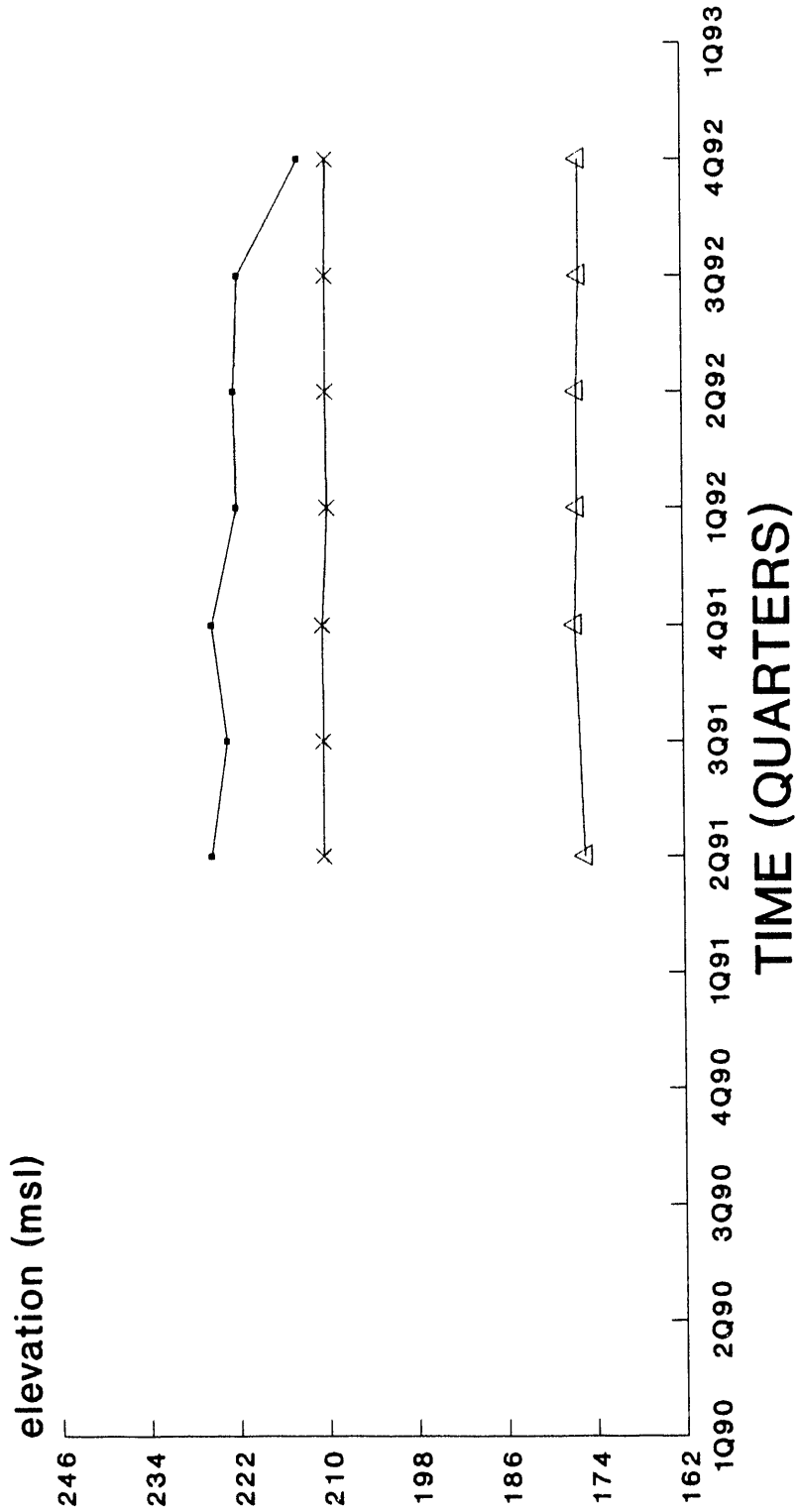


—•— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB146

## Water Elevation

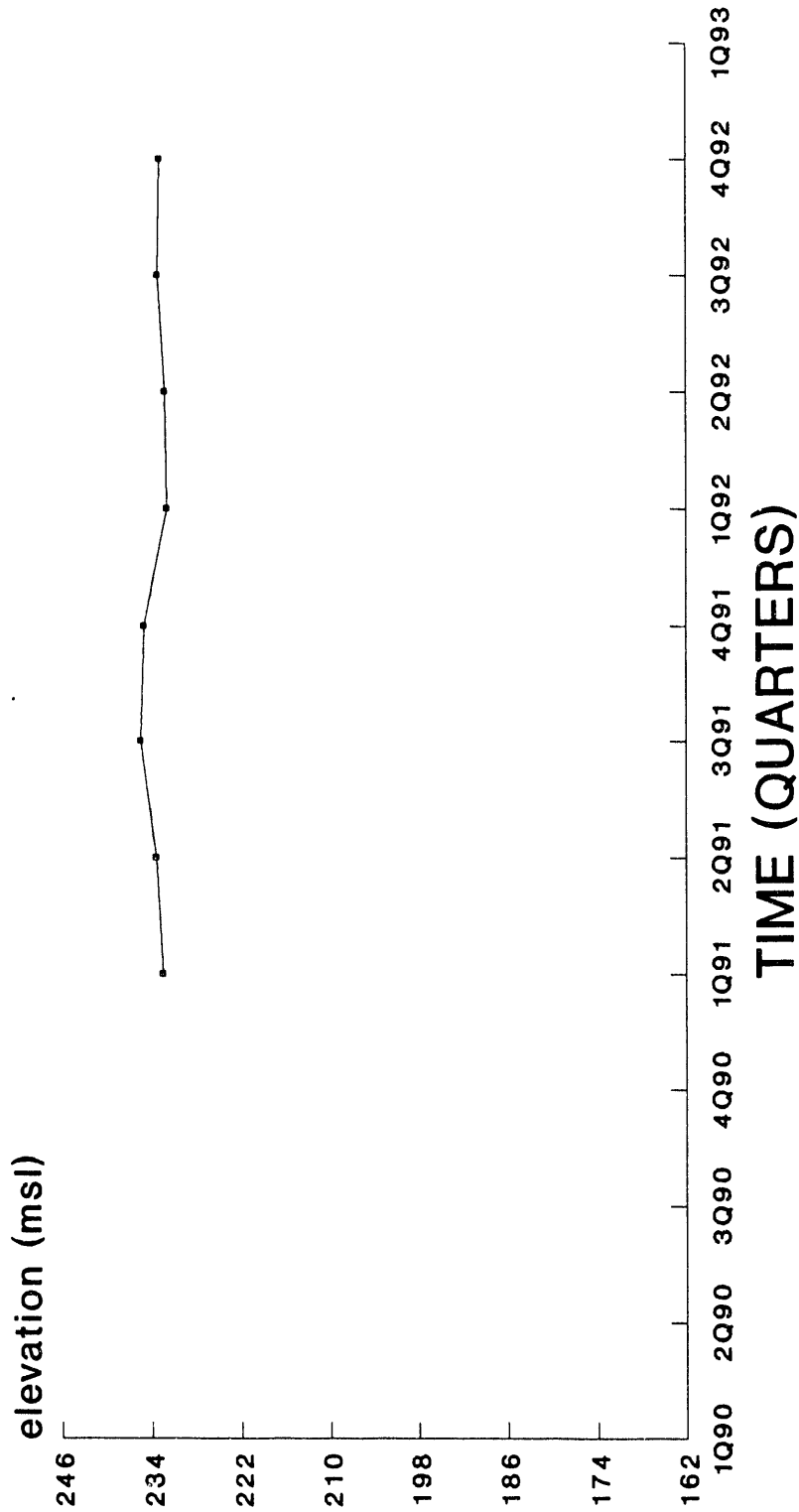


—●— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)    —△— U. CONGAREE (IIA)

empty space denotes no data or dry well



# HSB147D Water Elevation

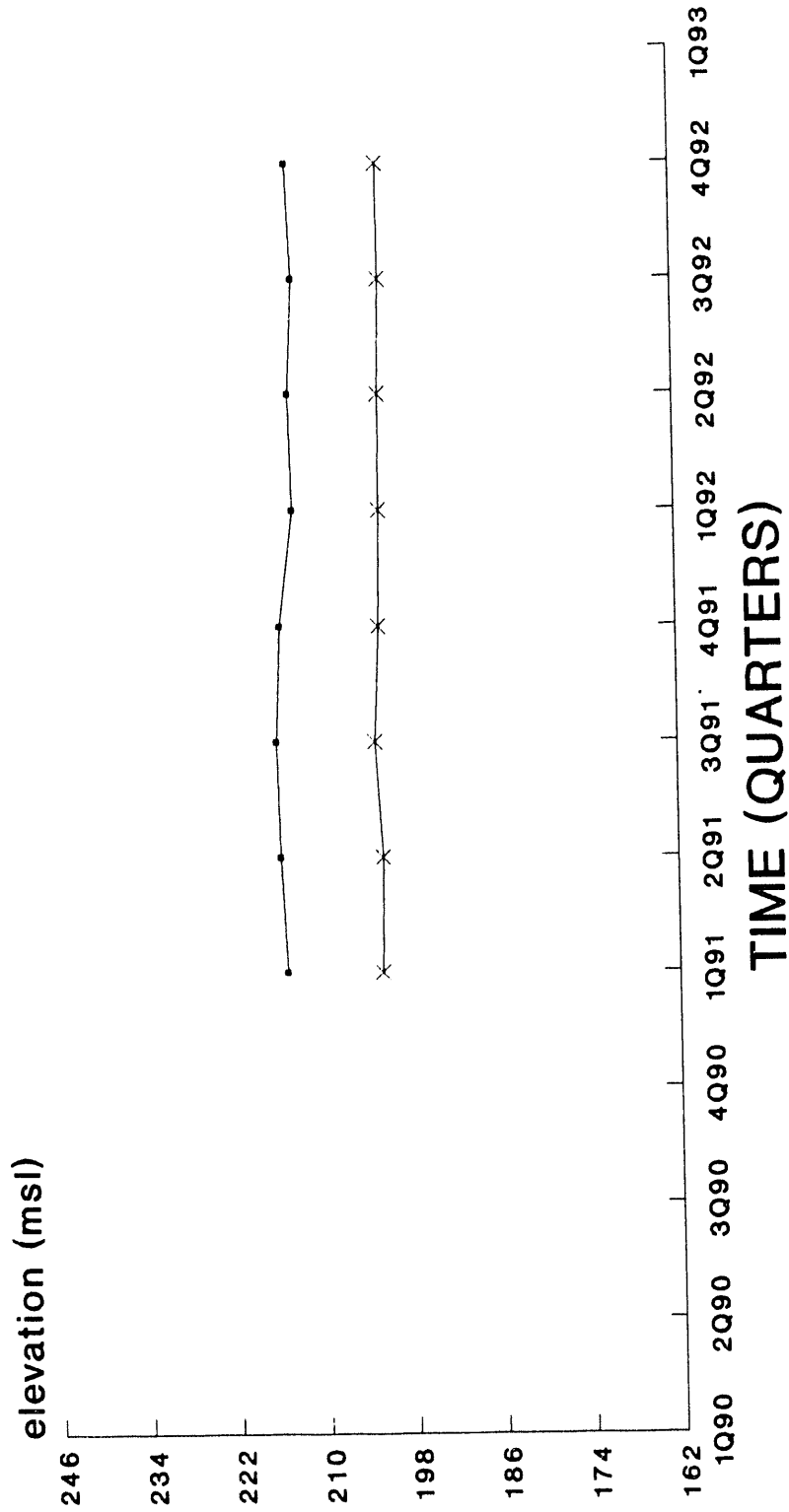


—•— WATER TABLE (IIB2)

empty space denotes no data or dry well

# CLUSTER - HSB148

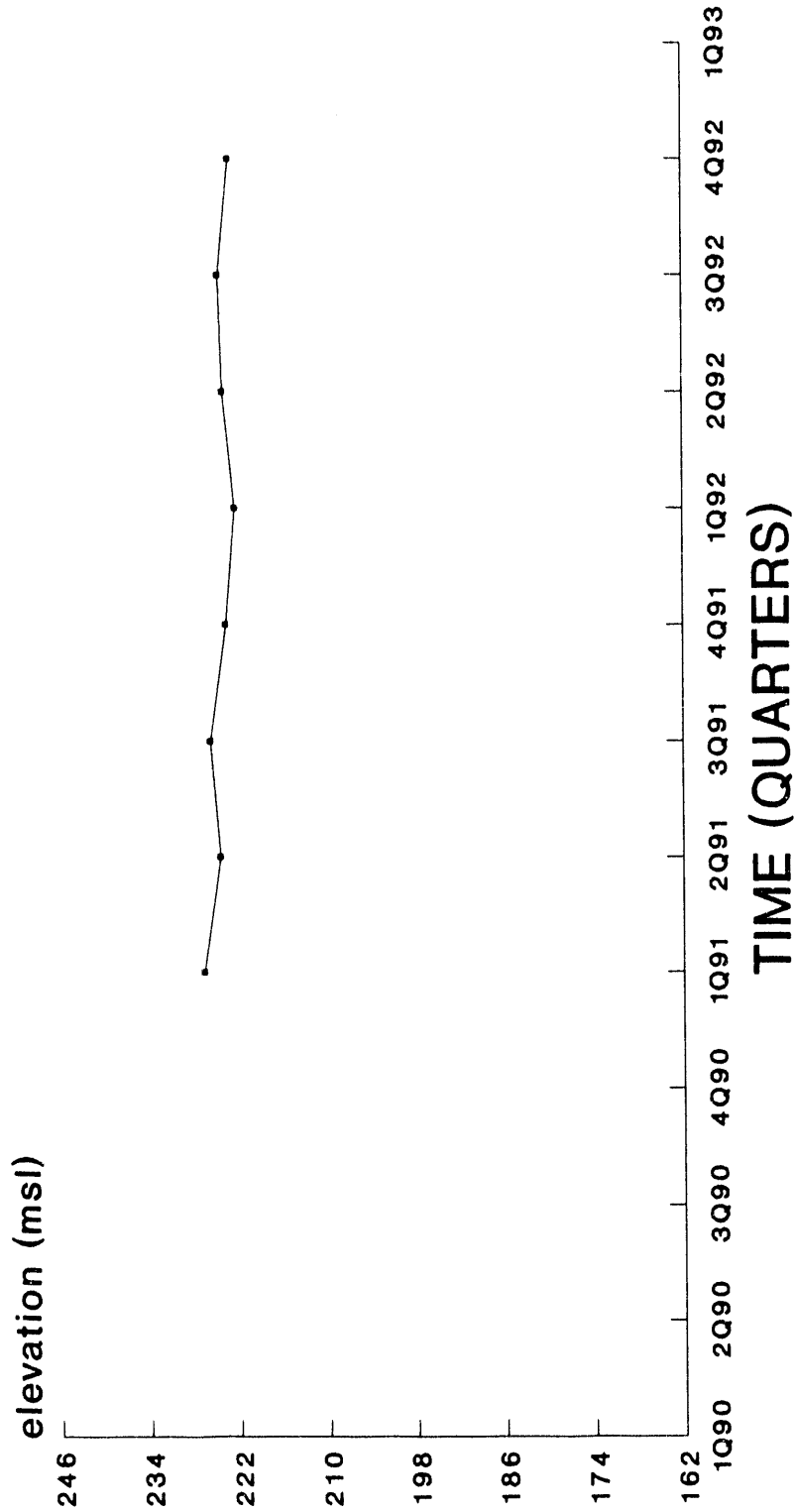
## Water Elevation



—●— WATER TABLE (IIB2)    -x- BARNWELL (IIB1)

empty space denotes no data or dry well

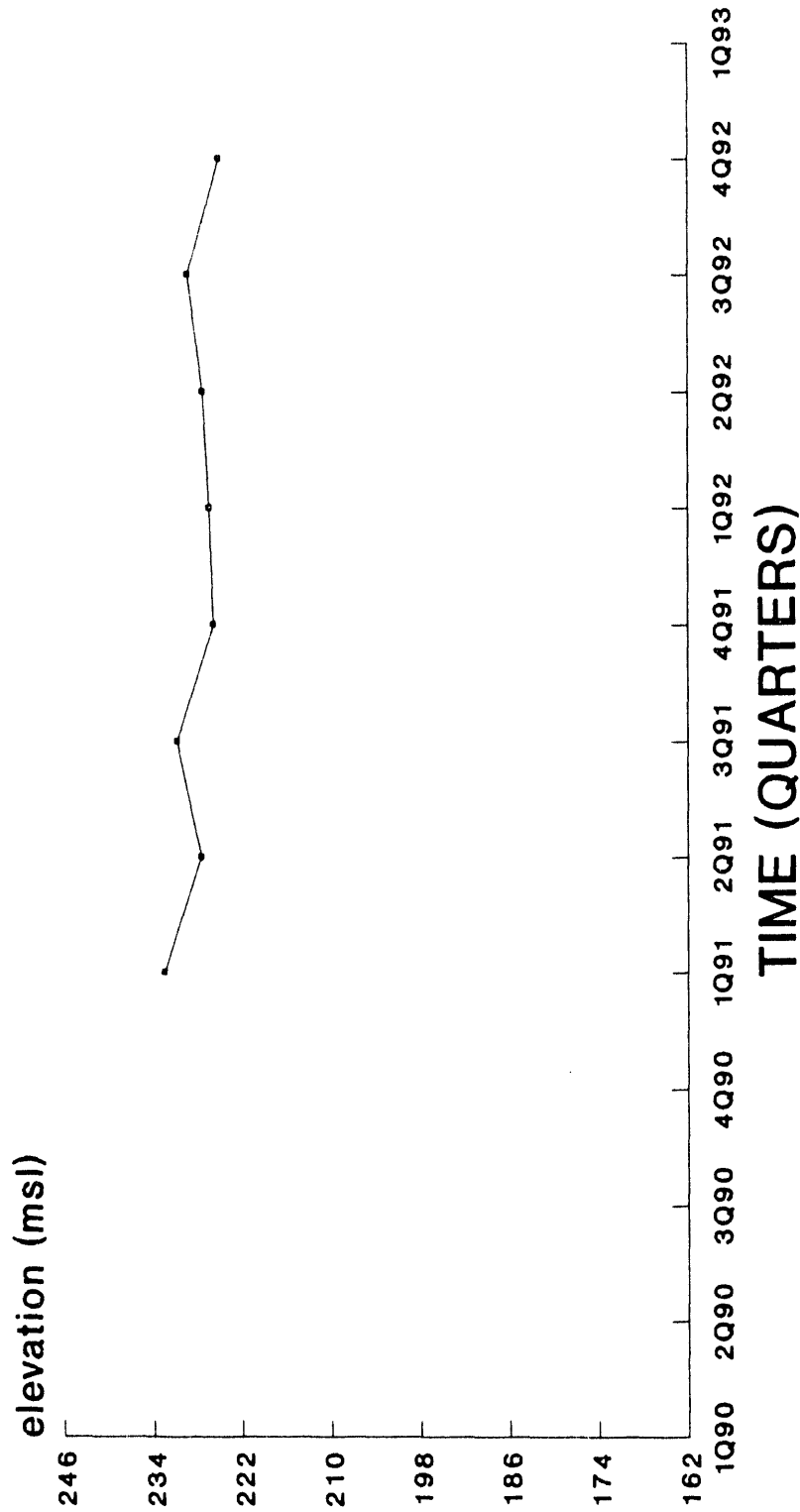
# HSB149D Water Elevation



—•— WATER TABLE (IIB2)

empty space denotes no data or dry well

# HSB150D Water Elevation

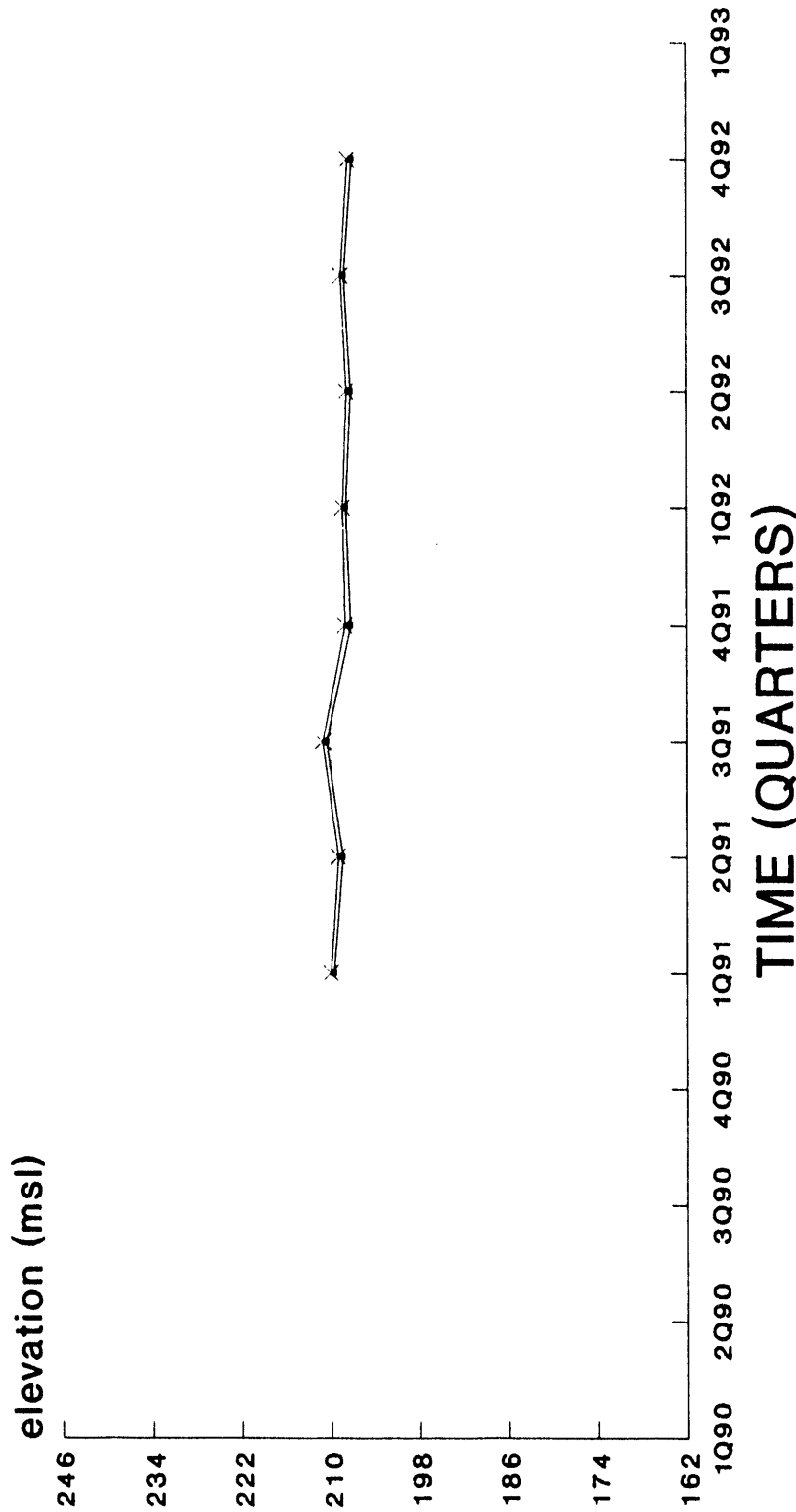


WATER TABLE (IIB2)

empty space denotes no data or dry well

# CLUSTER - HSB151

## Water Elevation

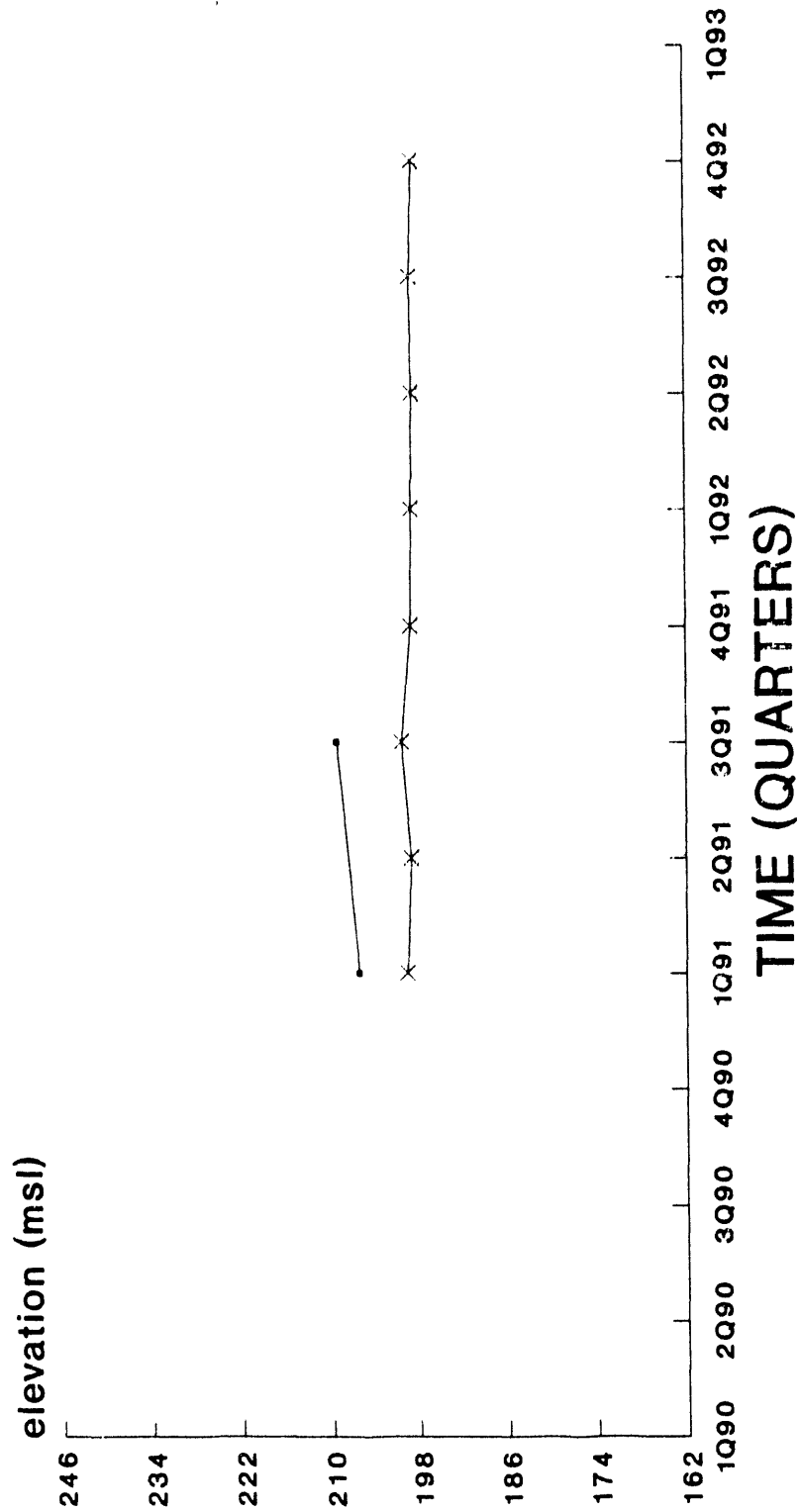


—□— WATER TABLE (IIB2)    —x— BARNWELL (IIB1)

empty space denotes no data or dry well

# CLUSTER - HSB152

## Water Elevation



—●— WATER TABLE (IIB2)    -x- BARNWELL (IIB1)

empty space denotes no data or dry well

**END**

**DATE  
FILMED**

8 / 26 / 93

