WSRC-TR-93-058

FOURTH QUARTER 1992
AND 1992 SUMMARY

F-AREA SEEPAGE BASINS GROUNDWATER MONITORING REPORT (U)

PUBLICATION DATE: MARCH 1993

WESTINGHOUSE SAVANNAH RIVER COMPANY
SAVANNAH RIVER SITE
AIKEN, SC 29808

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

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

MASTER

DISCLAIMER

This report was prepared by Westinghouse Savannah River Company (WSRC) for the United States Department of Energy under Contract No. DE-AC09-89SR18035 and is an account of work performed under that contract. Reference herein to any specific commercial product, process, or service by trademark, name, manufacturer, or otherwise does not necessarily constitute or imply endorsement, recommendation, or favoring of same by WSRC or by the United States Government or any agency thereof. The views and opinions of the authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

WSRC-TR-93-058

FOURTH QUARTER 1992
AND 1992 SUMMARY

F-AREA SEEPAGE BASINS GROUNDWATER MONITORING REPORT (U)

KEY WORDS

FASB
FSB wells
nitrate
nonvolatile beta
tritium

PUBLICATION DATE: MARCH 1993

Authorized Derivative Classifier:

M. A. Ebra 3/29/93

WESTINGHOUSE SAVANNAH RIVER COMPANY
SAVANNAH RIVER SITE
AIKEN, SC 29808

Abstract

During fourth quarter 1992, the groundwater at the F-Area Seepage Basins (FASB) was monitored in compliance with South Carolina Hazardous Waste Management Regulations, R61-79.265, Subpart F. Eighty-five wells provided samples from the three hydrostratigraphic units that make up the uppermost aquifer beneath the FASB. 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 F-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, gross alpha, total alpha-emitting radium, cadmium, and lead are the primary constituents observed above final Primary Drinking Water Standards (PDWS) in groundwater at the FASB. 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 FASB. The elevated constituents are found primarily in Aquifer Zone IIB_2 (Water Table) and Aquifer Zone IIB_1 (Barnwell/McBean) wells. However, several Aquifer Unit IIA (Congaree) wells also contain elevated levels of constituents, primarily tritium.

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 for first and fourth quarters 1992. Water-level maps indicate that the groundwater flow rates and directions at the FASB have remained relatively constant since the basins ceased to be active in 1988.

Contents

Page

Abstract iii

List of Figures vii

List of Tables xii

Executive Summary 1

Introduction 3
- Description of Facilities 3
- Hydrostratigraphic Units 3

Discussion 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 9
- Groundwater Flow Rates and Directions 10
- Upgradient Versus Downgradient Results 12

Conclusions 13

Summary 1992 15

Errata 17

References Cited 20

Appendix A—Final Primary Drinking Water Standards A-1

Appendix B—Flagging Criteria B-1

Appendix C—Figures C-1

Appendix D—Groundwater Monitoring Results Tables D-1

Appendix E – Data Quality/Useability Assessment E-1

Appendix F – Time Series Plots F-1

Appendix G – Hydrographs G-1

List of Figures

Page

1. Hydrostratigraphic Nomenclature C-2
2. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclatures C-3
3. Location of the F-Area Seepage Basins at the Savannah River Site C-4
4. Location of the Groundwater Monitoring Wells at the F-Area Seepage Basins C-5
5. Location of Aquifer Zone IIB_2 (Water Table) Monitoring Wells at the F-Area Seepage Basins C-6
6. Location of Aquifer Zone IIB_1 (Barnwell/McBean) Monitoring Wells at the F-Area Seepage Basins C-7
7. Location of Upper Portion of Aquifer Unit IIA (Congaree) Monitoring Wells at the F-Area Seepage Basins C-8
8. Location of Lower Portion of Aquifer Unit IIA (Congaree) Monitoring Wells at F-Area Seepage Basins C-9
9. Tritium Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-10
10. Tritium Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-11
11. Nitrate Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-12
12. Nitrate Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-13
13. Tritium Activities in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-14
14. Tritium Activities in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-15

15. Nitrate Concentrations in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-16

16. Nitrate Concentrations in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-17

17. Tritium Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-18

18. Tritium Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-19

19. Nitrate Concentrations in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-20

20. Nitrate Concentrations in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-21

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

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

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

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

25. Gross Alpha Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-26

26. Gross Alpha Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-27

27. Nonvolatile Beta Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-28

28. Nonvolatile Beta Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-29

29. Gross Alpha Activities in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-30

30. Gross Alpha Activities in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-31

31. Nonvolatile Beta Activities in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-32

32. Nonvolatile Beta Activities in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-33

33. Gross Alpha Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-34

34. Gross Alpha Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-35

35. Nonvolatile Beta Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-36

36. Nonvolatile Beta Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-37

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

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

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

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

41. Lead Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-42

42. Lead Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-43

43. Cadmium Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-44

44. Cadmium Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-45

45. Lead Concentrations in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-46

46. Lead Concentrations in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-47

47. Cadmium Concentrations in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-48

48. Cadmium Concentrations in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-49

49. Lead Concentrations in Upper Portion of Aquifer Zone IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-50

50. Lead Concentrations in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-51

51. Cadmium Concentrations in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-52

52. Cadmium Concentrations in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-53

53. Lead Concentrations in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-54

54. Lead Concentrations in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-55

55. Cadmium Concentrations in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992 . . . . . C-56

56. Cadmium Concentrations in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-57

57. Specific Conductance in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-58

58. pH Levels in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-59

59. Specific Conductance in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-60

60. pH Levels in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-61

61. Specific Conductance in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-62

62. pH Levels in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-63

63. Specific Conductance in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-64

64. pH Levels in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992 . . . . . C-65

65. Piezometric Surface Map of Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins C-66

66. Piezometric Surface Map of Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins C-67

67. Piezometric Surface Map of Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins C-68

68. Piezometric Surface Map of Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins C-69

List of Tables

Page

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-11

3. Groundwater Monitoring Results for Individual Wells D-19

Executive Summary

Currently, 85 wells monitor the groundwater in the uppermost aquifer beneath the F-Area Seepage Basins (FASB) 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 the 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 fourth quarter as negotiated by SCDHEC with the U.S. Environmental Protection Agency. Under the approved FASB 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, nine constituents exceeded standards at one or more wells at the FASB. As in previous quarters, tritium and nitrate were the primary constituents found in the groundwater at the FASB. Of the 85 groundwater monitoring wells, 57 (67%) exhibited tritium activities and 42 (49%) contained nitrate concentrations that exceeded the final PDWS. These two constituents were found primarily in Aquifer Zone IIB_2 (Water Table) and Aquifer Zone IIB_1 (Barnwell/McBean). However, tritium activities exceeding the final PDWS occurred in 9 of the 18 Aquifer Unit IIA (Congaree) wells.

Historically, cadmium, mercury, and lead have been the primary heavy metals exhibiting elevated concentrations at the FASB. During fourth quarter 1992. cadmium was elevated in 6 wells in Aquifer Zone IIB_2 (Water Table) (FSB 77, 78, 92D, 93D, 97D, and 104D) and in 6 wells in Aquifer Zone IIB_1 (Barnwell/McBean) (FSB 78C, 79C, 94C, 95CR, 106C, and 112C). Cadmium was not elevated in Aquifer Unit IIA (Congaree) wells. Mercury was elevated in 5 wells in Aquifer Zone IIB_2 (Water Table) only (FSB 77, 88D, 89D, 90D, and 94DR). Lead was elevated in 4 wells in Aquifer Zone IIB_2 (Water Table) (FSB 76, 97D, 106D, and 121DR). Lead was not elevated in Aquifer Zone IIB_1 (Barnwell/McBean) or Aquifer Unit IIA (Congaree) wells.

Trichloroethylene exceeded the final PDWS only in Aquifer Zone IIB_1 (Barnwell/McBean) well FSB 99C during fourth quarter 1992.

Upgradient wells FSB 76C and 108D, in Aquifer Zone IIB_1 (Barnwell/McBean) and Aquifer Zone IIB_2 (Water Table), respectively, did not contain elevated levels of any constituents

during fourth quarter 1992; however, upgradient well FSB109D exhibited tritium levels that exceeded the final PDWS. Downgradient wells contained levels of either tritium, nitrate, gross alpha, nonvolatile beta, total alpha-emitting radium, cadmium, mercury, lead, or trichloroethylene that exceeded standards.

Six downgradient wells in the upper portion of Aquifer Unit IIA (Congaree) contained elevated levels of tritium. No elevated constituents were found in upgradient well FSB 79B; however, upgradient wells FSB 78B, 112A, and 113A exhibited elevated tritium or nitrate levels. No constituents exceeded standards in upgradient or downgradient wells in the lower portion of Aquifer Unit IIA (Congaree).

The estimated groundwater flow rates during fourth quarter 1992 ranged from approximately 84 ft/yr to 130 ft/yr and from 99 ft/yr to 220 ft/yr in Aquifer Zone IIB_2 (Water Table) and Aquifer Zone IIB_1 (Barnwell/McBean), respectively. Flow directions in these units were toward the south-southwest (using SRS grid coordinates). The flow in the upper portion of Aquifer Unit IIA (Congaree) was to the northwest at 550 ft/yr. The flow direction in the lower portion of Aquifer Unit IIA (Congaree) was to the northwest, but the rate could not be estimated. The water level for well FSB 76A in this unit was anomalously low, resulting in a nonrepresentative horizontal flow rate calculation.

Introduction

Description of Facilities

The three F-Area Seepage Basins (FASB) at the Savannah River Site (SRS) began operating in 1955 to replace the Old F-Area Seepage Basin. These unlined, hydraulically connected basins primarily received waste water that included low-level radioactivity and chemicals from the F-Area Separations Facility. The waste water typically contained elevated amounts of nitrate and tritium. Primary sources for this waste water included the nitric acid recovery overheads, the general purpose evaporator overheads, overheads from several other process 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 FASB contains elevated levels of tritium, nitrate, cadmium, nonvolatile beta, gross alpha, lead, and other constituents from the 30 years of operation of the FASB. Tritium and nitrate are the primary constituents and are mainly exhibited in Aquifer Zones IIB_2 (Water Table) and IIB_1 (Barnwell/McBean) of the uppermost aquifer.

Discharge of waste water to the FASB was discontinued on November 7, 1988, and the basins were certified closed April 26, 1991, in accordance with 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 the basin sediments and to minimize migration of contaminants into the groundwater.

On December 3, 1990, SRS submitted a 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 FASB be submitted.

Hydrostratigraphic Units

Historically, groundwater quality assessment reports for the FASB have used the nomenclature *Water Table*, *Barnwell*, *McBean*, and *Congaree* to identify water-bearing units. However, an interim alphanumeric system developed by Aadland and Bledsoe (1990) (Figure 1, Appendix C) defines these units at SRS using hydrostratigraphic rather than

lith ostratigraphic 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 FASB RCRA Part B Post-Closure Care Permit Application (WSRC, 1992a), submitted March 1992, includes an in-depth explanation of the new nomenclature.

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

Discussion

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, 1992b). 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 established when a minimum of three successive measurements, taken within a given time period, are within a specified tolerance range. If a well pumps dry before two well volumes are purged or before stabilization is achieved, it must be revisited within 24 hours for the data to be considered from a single sampling event. On the second visit within 24 hours, samples are taken without purging or stability measurements; thus, these samples may not be representative of 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 FSB 77, 78, 78C, 79, 79C, 88D, 89D, 90D, 91C, 91D, 92D, 93D, 94C, 97C, 97D, 98C, 98D, 102C, 104D, 105C, 105DR, 106C, and 107D have variable-speed pumps.

During fourth quarter 1992, samples from wells at the FASB were analyzed for 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 (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 μg/L fourth quarter 1992. Lead data for the earlier quarters of 1992 were made consistent with the 50 μg/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 FASB 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, cadmium, lead, specific conductance, and pH (Figures 9 through 64); and the water-elevation contours of the different hydrostratigraphic zones and units and the groundwater flow directions (Figures 65 through 68). The monitoring results tables as well as analyses that exceeded 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 FASB groundwater monitoring well network (Figure 4, Appendix C) provides groundwater samples from the three hydrostratigraphic units in 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.

Wells FSB 94D, 95C, 95D, 96A, 98A, 105D, and 121D have been replaced by wells FSB 94DR, 95CR, 95DR, 96AR, 98AR, 105DR, and 121DR. Wells FSB 94D, 95C, 95D, 96A, and 105D were officially abandoned first quarter 1991, and well FSB 98A was officially abandoned third quarter 1991. These wells either were contaminated with grout or they consistently purged dry. Well FSB121D has been abandoned, and the replacement well, FSB121DR, was sampled for the first time during third quarter 1992.

The 36 Aquifer Zone IIB_2 (Water Table) wells are FSB 76, 77, 78, 79, 87D, 88D, 89D, 90D, 91D, 92D, 93D, 94DR, 95DR, 97D, 98D, 99D, 104D, 105DR, 106D, 107D, 108D, 109D, 110D, 111D, 112D, 113D, 114D, 115D, 116D, 117D, 118D, 119D, 120D, 121DR, 122D, and 123D (Figure 5, Appendix C).

The 31 Aquifer Zone IIB_1 (Barnwell/McBean) wells are FSB 76C, 78C, 79C, 87C, 88C, 89C, 90C, 91C, 93C, 94C, 95CR, 97C, 98C, 99C, 102C, 103C, 104C, 105C, 106C, 107C, 110C, 111C, 112C, 113C, 114C, 115C, 116C, 120C, 121C, 122C, and 123C (Figure 6, Appendix C).

Eighteen wells monitor Aquifer Unit IIA (Congaree), 14 in the upper portion (wells FSB 76B, 78B, 79B, 87B, 96AR, 97A, 98AR, 99A, 100A, 101A, 112A, 113A, 114A, and 120A) and 4 in the lower portion (wells FSB 76A, 78A, 79A, and 87A) (Figures 7 and 8, Appendix C).

Table 3 (Appendix D) lists the number of well volumes purged from each of the FSB 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_2

(Water Table) wells FSB 93D, 97D, 108D, 109D, 115D, 116D, 119D, 120D, and 121DR pumped dry before purging was completed. Aquifer Zone IIB_2 (Water Table) well FSB106D went dry after field analysis and did not yield enough water for complete laboratory analysis. Aquifer Zone IIB_2 (Water Table) well FSB110D has a pump problem and could not be sampled. Aquifer Zone IIB_1 (Barnwell/McBean) wells FSB 78C, 91C, 94C, 97C, 113C, and 115C pumped dry during purging.

Samples from wells FSB 77, 78, 79, 79C, 89D, 90D, 91D, 92D, 93D, 94DR, 95DR, 97C, 97D, 98C, 98D, 99D, 104D, 105C, 105DR, 107D, 112D, 117D, and 119D had field pH values equal to or less than 4; samples from wells FSB113A, 113C, 114A, and 120A had field pH values equal to or greater than 8.

Analytical Results Exceeding Standards

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

Twenty-eight of the 36 Aquifer Zone IIB_2 (Water Table) wells contained tritium, nitrate, gross alpha, total alpha-emitting radium (radium-223, radium-224, and radium-226), cadmium, mercury, lead, or trichloroethylene in levels that exceeded their final PDWS. Tritium was elevated in 24 wells, with activities up to 2.7E+04 pCi/mL in well FSB 94DR; nitrate was elevated in 23 wells, with concentrations up to 830,000 μg/L in well FSB 95DR; gross alpha was elevated in 22 wells, with activities up to 2.7E+03 pCi/L in well FSB 95DR; and total alpha-emitting radium was elevated in 20 wells, with activities up to 1.9E+02 pCi/L in well FSB112D. Cadmium was elevated in 6 wells, mercury in 5 wells, and lead in 4 wells. Nonvolatile beta exceeded its drinking water screening level in 20 wells, with activities up to 3.7E+03 pCi/L in well FSB112D.

Twenty-four of the 31 Aquifer Zone IIB_1 (Barnwell/McBean) wells contained levels of tritium, nitrate, gross alpha, total alpha-emitting radium (radium-223, radium-224, and radium-226), or cadmium that exceeded their final PDWS. Tritium was elevated in 24 wells, with activities up to 1.7E+04 pCi/mL in well FSB 98C; nitrate was elevated in 18 wells, with concentrations up to 425,000 μg/L in well FSB105C; gross alpha was elevated in 14 wells, with activities up to 1.5E+03 pCi/L in well FSB 98C; and total alpha-emitting radium was elevated in 13 wells, with activities up to 1.2E+02 pCi/L in well FSB 98C. Cadmium was elevated in 6 wells, and trichloroethylene was elevated in 1 well. Nonvolatile beta exceeded its drinking water screening level in 16 wells, with activities up to 3.0E+03 pCi/L in well FSB 79C.

Nine of the 14 wells that monitor the upper portion of Aquifer Unit IIA (Congaree) contained levels of tritium or nitrate that exceeded their final PDWS. Tritium was elevated in all 9 wells, with activities up to 3.5E+02 pCi/mL in well FSB 97A. Nitrate was elevated only in well FSB 78B. Wells in the lower portion of this hydrostratigraphic unit did not contain elevated constituents during fourth quarter 1992.

During fourth quarter 1992, cadmium was elevated in 6 wells in Aquifer Zone IIB_2 (Water Table) (FSB 77, 78, 92D, 93D, 97D, and 104D) and in 6 wells in Aquifer Zone IIB_1 (Barnwell/McBean) (FSB 78C, 79C, 94C, 95CR, 106C, and 112C). Cadmium was not elevated in Aquifer

Unit IIA (Congaree) wells. Mercury was elevated in 5 wells in Aquifer Zone IIB_2 (Water Table) only (FSB 77, 88D, 89D, 90D, and 94DR). Lead was elevated in 4 wells in Aquifer Zone IIB_2 (Water Table) (FSB 76, 97D, 106D, and 121DR). Lead was not elevated in Aquifer Zone IIB_1 (Barnwell/McBean) or Aquifer Unit IIA (Congaree) wells.

Results for analytes that exceeded other SRS flagging criteria (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 times, 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 were therefore 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 FASB, and the terms *nitrate* and *nitrate-nitrite* are used interchangeably.

The lateral distributions of tritium, nitrate, gross alpha, nonvolatile beta, lead, cadmium, specific conductance, and pH for Aquifer Zone IIB_2 (Water Table), Aquifer Zone IIB_1 (Barnwell/McBean), and Aquifer Unit IIA (Congaree) wells during fourth quarter 1992 are presented in Figures 9 through 64 (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 FASB appear in Appendix F. The designations *Barnwell* and *McBean* used in Appendix F represent the upper and lower portions, respectively, of Aquifer Zone IIB_1 (Barnwell/McBean).

Tritium activities in wells FSB 76C, 78A, 79B, 87A, 88C, 108D, 111C, and 111D have been consistently near or below the final PDWS since at least early 1990. Most of the other wells shown in Appendix F exhibit tritium levels that have consistently exceeded the final PDWS. The time series plots for wells FSB 78, 87C, 91D, 93D, 98D, 102C, 107D, 109D, and 110D show tritium levels declining with time; the time series plot for well FSB 99A indicates tritium levels are increasing with time. Data for wells FSB 87D, 94DR, 95DR, 95CR, 96AR, 98AR, 105DR, 106D, 112A, 112C, 112D, 113A, 113C, 113D, 114A, 114C, 114D, 115C, 115D, 116C, 116D, 117D, 118D, 119D, 120A, 120C, 120D, 121C, 121DR, 122C, 122D, 123C, and 123D are not sufficient to detect long-term patterns. However, tritium results for wells FSB 96AR, 98AR, 113D, 114A, 114C, 114D, 115C, 115D, 116C, 116D, 118D, 120D, 123C, and 123D have been consistently near or below the final PDWS since sampling began first quarter 1991. The time series plots for the remaining wells show no detectable long-term trends.

Nitrate concentrations in wells FSB 76, 76A, 76B, 76C, 78A, 78B, 79A, 79B, 87A, 87B, 88C, 89C, 99A, 99D, 100A, 101A, 107C, 108D, 109D, 111C, and 111D have been consistently near or below the final PDWS since at least early 1990. Most of the other wells illustrated in Appendix F have exhibited nitrate concentrations that have exceeded the final PDWS since at least 1989. The time series plots for wells FSB 87C, 88D, 90D, 91D, 93D, 102C, 104D, 109D, and 110D show nitrate concentrations are declining over time; the time series plots for wells FSB 92D, 100A, and 105C indicate nitrate concentrations are increasing with time. Data for wells FSB 87D, 94D, 95CR, 95DR, 96AR, 98AR, 106D, 112C, 112D, 113A, 113C, 113D, 114A, 114C, 114D, 115C, 115D, 116C, 116D, 117D, 118D, 119D, 120A, 120C, 120D, 121C, 121D, 122C, 122D, 123C, and 123D are not sufficient to detect long-term patterns. However, nitrate concentrations for wells FSB 87D, 96AR, 98AR, 106D, 113A, 113C, 113D, 114A, 114C, 114D, 115C, 115D, 116C, 116D, 118D, 120A, 120D, 121C, 122D, 123C, and 123D have been near or below the final PDWS since these wells were first sampled in early 1991. The time series plots for the remaining wells in Appendix F show no detectable long-term trends.

Well clusters FSB 76, 88, 99, and 107; Aquifer Zone IIB_1 (Barnwell/McBean) wells FSB102C and 103C; and Aquifer Unit IIA (Congaree) well FSB 96AR are used to characterize pH levels at specific locations at the FASB. The pH in well cluster FSB 76, which is upgradient of the FASB, ranges from neutral to somewhat acidic. Well clusters FSB 88, 99, and 107, located near the edges of the basins at the FASB, show the following pH trends: the pH levels in well cluster FSB 88 have remained between approximately pH 4 and 6 since early 1988; the pH levels in well cluster FSB 99 have ranged from about neutral in the Aquifer Unit IIA (Congaree) well to pH 4 to 5 in the Aquifer Zone IIB_2 (Water Table) well; the pH values in well cluster FSB107 have fluctuated around neutral in the Aquifer Zone IIB_1 (Barnwell/McBean) well and have ranged approximately between pH 3 and 4 in the Aquifer Zone IIB_2 (Water Table) well. The pH in Aquifer Unit IIA (Congaree) replacement well FSB 96AR, also located near the edge of the basins, has been near neutral since monitoring began in early 1991. The pH levels in Aquifer Zone IIB_1 (Barnwell/McBean) wells FSB102C and 103C, located downgradient of the FASB, have had values of near pH 4 and pH 6, respectively.

Water Levels

Hydrographs showing the water elevations for certain wells and well clusters at the FASB over time are provided in Appendix G. The average water elevation in Aquifer Zone IIB_2 (Water Table) during third quarter 1992 was 209.98 ft msl. Compared to the average water elevation of 209.70 ft msl during fourth quarter 1992, the water level in this zone declined an average of 0.28 ft. The average water level in Aquifer Zone IIB_1 (Barnwell/McBean) during third quarter 1992 was 205.95 ft msl. Compared to the average water elevation of 205.82 ft msl during fourth quarter 1992, the water level in this zone declined an average of 0.13 ft. The average water level in the upper portion of Aquifer Unit IIA (Congaree) during third quarter 1992 was 153.13 ft msl. Compared to the fourth quarter 1992 water elevation of 153.04 ft msl, the water level fell an average of 0.09 ft. The average water level in the lower portion of Aquifer Unit IIA (Congaree) during third quarter 1992 was 156.20 ft msl; compared to the average water level of 154.50 ft msl during fourth quarter 1992, the water level fell an average of 1.7 ft.

A consistent vertical head relationship exists between the hydrostratigraphic zones and units monitored at the FASB. Flow potential is downward from Aquifer Zone IIB_2 (Water Table) to Aquifer Zone IIB_1 (Barnwell/McBean) and downward from Aquifer Zone IIB_1 (Barnwell/McBean) to Aquifer Unit IIA (Congaree). A head reversal exists between the lower and upper portions of Aquifer Unit IIA (Congaree) at the FASB, which indicates the potential for upward flow within the aquifer. This vertical head relationship between the different monitored zones has remained essentially unchanged through past quarters.

Groundwater Flow Rates and Directions

Groundwater flow directions beneath the FASB in Aquifer Zone IIB_2 (Water Table), Aquifer Zone IIB_1 (Barnwell/McBean), and Aquifer Unit IIA (Congaree) have remained relatively unchanged by closure activities. Water-level maps (Figures 65 through 68, Appendix C) for the monitored water-bearing units illustrate these flow patterns. Using SRS grid coordinates, flow in Aquifer Zone IIB_2 (Water Table) and Aquifer Zone IIB_1 (Barnwell/McBean) is generally south-southwest toward Fourmile Branch. Flow in both the upper and lower portions of Aquifer Unit IIA (Congaree) is northwest toward Upper Three Runs Creek.

To estimate the transport rate of constituents originating from the FASB, horizontal groundwater flow rates in Aquifer Zone IIB_2 (Water Table) and Aquifer Zone IIB_1 (Barnwell/McBean) have been calculated along two flow paths (designated flow paths A and B) in each of these hydrostratigraphic units. 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 rates for the upper and lower portions of Aquifer Unit IIA (Congaree) are calculated along single flow paths; flow directions within this unit are generally more uniform than in the overlying units.

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 estimations for Aquifer Zone IIB_2 (Water Table), Aquifer Zone IIB_1 (Barnwell/McBean), and the upper and lower portions of Aquifer Unit IIA (Congaree) beneath the FASB 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) constant for Aquifer Zone IIB_2 (Water Table) is 10 ft/day; for Aquifer Zone IIB_1 (Barnwell/McBean), Kh = 10.4 ft/day; and for Aquifer Unit IIA (Congaree), Kh = 65 ft/day (Geraghty & Miller, 1990). An effective porosity value of 20% is used for each hydrostratigraphic unit (Jaegge et al., 1987). This value is a conservative assumption based on field and laboratory measurements of porosity. The gradient in each calculation represents the change in head (*dh*) divided by the horizontal distance (*dl*) along each plotted arrow. Flow rate estimates vary depending on 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 100 ft. 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_2 (Water Table) is estimated as follows (Figure 65, Appendix C):

Flow path A

$$\frac{10}{0.20} \times \frac{10}{2{,}200} \approx 0.23 \text{ ft/day}$$

$$0.23 \text{ ft/day} \times 365 \text{ days} \approx 84 \text{ ft/yr}$$

Flow path B

$$\frac{10}{0.20} \times \frac{10}{1{,}400} \approx 0.36 \text{ ft/day}$$

$$0.36 \text{ ft/day} \times 365 \text{ days} \approx 130 \text{ ft/yr}$$

The approximate range of groundwater flow rates in Aquifer Zone IIB_1 (Barnwell/McBean) is estimated as follows (Figure 66, Appendix C):

Flow path A

$$\frac{10.4}{0.20} \times \frac{10}{1{,}900} \approx 0.27 \text{ ft/day}$$

$$0.27 \text{ ft/day} \times 365 \text{ days} \approx 99 \text{ ft/yr}$$

Flow path B

$$\frac{10.4}{0.20} \times \frac{14}{1{,}200} \approx 0.61 \text{ ft/day}$$

$$0.61 \text{ ft/day} \times 365 \text{ days} \approx 220 \text{ ft/yr}$$

The groundwater flow rate in the upper portion of Aquifer Unit IIA (Congaree) is estimated as follows (Figure 67, Appendix C):

$$\frac{65}{0.20} \times \frac{9}{2{,}000} \approx 1.5 \text{ ft/day}$$

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

The groundwater flow rate in the lower portion of the Congaree was not estimated for fourth quarter 1992 because the results for well FSB 76A were considered unreliable.

Upgradient Versus Downgradient Results

Using SRS grid coordinates, groundwater flow in Aquifer Zone IIB_2 (Water Table) is south-southwest toward Fourmile Branch (Figure 65, Appendix C). Wells FSB108D and 109D are upgradient wells for Aquifer Zone IIB_2 (Water Table) (Figure 5, Appendix C). Although well FSB 76 lies upgradient of the facility, it is not discussed as an upgradient well because it is downgradient of a collapsed process sewer line that has contaminated the groundwater. All remaining Aquifer Zone IIB_2 (Water Table) wells monitor downgradient water quality.

Groundwater flow in Aquifer Zone IIB_1 (Barnwell/McBean) is also south-southwest toward Fourmile Branch (Figure 66, Appendix C). Well FSB 76C is an upgradient well for Aquifer Zone IIB_1 (Barnwell/McBean) (Figure 6, Appendix C). All of the other Aquifer Zone IIB_1 (Barnwell/McBean) wells monitor groundwater downgradient of the basins.

Flow in both the upper and lower portions of Aquifer Unit IIA (Congaree) is to the northwest toward Upper Three Runs Creek (Figures 67 and 68, Appendix C). Unlike the shallower water-bearing units, Aquifer Unit IIA (Congaree) is not incised by Fourmile Branch, but by Upper Three Runs Creek. Wells FSB 78B, 79B, 112A, and 113A are upgradient wells for the upper portion of Aquifer Unit IIA (Congaree) (Figure 7, Appendix C). The upgradient wells for the lower portion of Aquifer Unit IIA (Congaree) are FSB 78A and 79A (Figure 8, Appendix C).

Upgradient wells FSB 76C and 108D, in Aquifer Zone IIB_1 (Barnwell/McBean) and Aquifer Zone IIB_2 (Water Table), respectively, did not contain elevated levels of any constituents during fourth quarter 1992; however, upgradient well FSB109D exhibited tritium levels that exceeded the final PDWS. Many downgradient wells contained levels of tritium, nitrate, gross alpha, nonvolatile beta, total alpha-emitting radium, cadmium, mercury, lead, or trichloroethylene that exceeded standards.

Six downgradient wells in the upper portion of Aquifer Unit IIA (Congaree) contained elevated levels of tritium. No elevated constituents were found in upgradient well FSB 79B; however, upgradient wells FSB 78B, 112A, and 113A exhibited elevated tritium or nitrate levels. No constituents exceeded standards in upgradient or downgradient wells in the lower portion of Aquifer Unit IIA (Congaree).

Wells FSB 76C and 108D and well HSB 85A are the designated background wells for the FASB. These wells did not contain any elevated constituents during fourth quarter 1992.

Conclusions

The groundwater at the FASB contains elevated levels of low-level radionuclides and chemicals from 30 years of receiving contaminated waste water from the F-Area Separations Facility. During fourth quarter 1992, nine constituents exceeded standards at one or more wells at the FASB.

As in previous quarters, tritium and nitrate were the primary constituents found in the groundwater at the FASB. Of the 85 groundwater monitoring wells, 57 (67%) exhibited tritium activities and 42 (49%) contained nitrate concentrations that exceeded the final PDWS. These two constituents were found primarily in Aquifer Zone IIB_2 (Water Table) and Aquifer Zone IIB_1 (Barnwell/McBean). However, tritium activities exceeding the final PDWS occurred in 9 of the 18 Aquifer Unit IIA (Congaree) wells, indicating that vertical pathways into the deeper water-bearing units exist at the FASB. A current groundwater flow model for the General Separations Area indicates that the vertical component beneath this area is important (GeoTrans, Inc., 1992). The highest tritium activity occurred in Aquifer Zone IIB_2 (Water Table) well FSB 94DR (2.7E+04 pCi/mL). The highest nitrate concentration was found in Aquifer Zone IIB_2 (Water Table) well FSB 95DR (830,000 μg/L). Tritium and nitrate levels appear to be decreasing over time since closure of the FASB, at least in Aquifer Zone IIB_2 (Water Table).

Historically, cadmium, mercury, and lead have been the primary heavy metals exhibiting elevated concentrations at the FASB. During fourth quarter 1992, cadmium was elevated in 6 wells in Aquifer Zone IIB_2 (Water Table) (FSB 77, 78, 92D, 93D, 97D, and 104D) and in 6 wells in Aquifer Zone IIB_1 (Barnwell/McBean) (FSB 78C, 79C, 94C, 95CR, 106C, and 112C). Cadmium was not elevated in Aquifer Unit IIA (Congaree) wells. Mercury was elevated in 5 wells in Aquifer Zone IIB_2 (Water Table) (FSB 77, 88D, 89D, 90D, and 94DR). Lead was elevated in 4 wells in Aquifer Zone IIB_2 (Water Table) (FSB 76, 97D, 106D, and 121DR). Lead was not elevated in Aquifer Zone IIB_1 (Barnwell/McBean) or Aquifer Unit IIA (Congaree) wells.

Wells screened in clayey zones, as are some water-table wells at the FASB, seem to be associated with elevated levels of cadmium, mercury, and lead. This relationship may be due to the effect of low-pH water from the FASB leaching metals from the clays, or metal constituents may have become adsorbed to the clay particles over time and then released during sampling.

Elevated concentrations of volatile organic compounds have been detected sporadically; these constituents appear to be declining since closure of the FASB. Trichloroethylene exceeded the final PDWS only in Aquifer Zone IIB_1 (Barnwell/McBean) well FSB 99C during fourth quarter 1992.

Upgradient wells FSB 76C and 108D, in Aquifer Zone IIB_1 (Barnwell/McBean) and Aquifer Zone IIB_2 (Water Table), respectively, did not contain elevated levels of any constituents during fourth quarter 1992; however, upgradient well FSB109D exhibited tritium levels that exceeded the final PDWS. Downgradient wells contained levels of either tritium, nitrate, gross alpha, nonvolatile beta, total alpha-emitting radium, cadmium, mercury, lead, or trichloroethylene that exceeded standards. 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.

Six downgradient wells in the upper portion of Aquifer Unit IIA (Congaree) contained elevated levels of tritium. No elevated constituents were found in upgradient well FSB 79B; however, upgradient wells FSB 78B, 112A, and 113A exhibited elevated tritium or nitrate levels. No constituents exceeded standards in upgradient or downgradient wells in the lower portion of Aquifer Unit IIA (Congaree).

The estimated groundwater flow rates during fourth quarter 1992 ranged from approximately 84 ft/yr to 130 ft/yr and from 99 ft/yr to 220 ft/yr in Aquifer Zone IIB_2 (Water Table) and Aquifer Zone IIB_1 (Barnwell/McBean), respectively. The estimated flow rate in the upper portion of Aquifer Unit IIA (Congaree) was 550 ft/yr. The flow rate for the lower portion of Aquifer Unit IIA (Congaree) could not be estimated. The water level for well FSB 76A in this unit was anomalously low, resulting in a nonrepresentative horizontal flow rate calculation.

Summary 1992

During 1992, samples from 64 of the 85 groundwater monitoring wells (75%) at the FASB contained elevated levels of one or more of the following constituents: tritium, nitrate, non-volatile beta, gross alpha, total alpha-emitting radium, cadmium, mercury, lead, trichloro-ethylene, arsenic, nitrate, or tetrachloroethylene (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 63 wells during 1992, with the maximum tritium activity (3.3E+04 pCi/mL) found in Aquifer Zone IIB_2 (Water Table) well FSB105DR during first quarter. Nitrate was elevated in 47 wells during 1992, with a maximum concentration of 885,000 μg/L in Aquifer Zone IIB_2 (Water Table) well FSB 97D during third quarter. In 1991, tritium and nitrate occurred in 63 and 43 wells, respectively; the maximum tritium activity (3.6E+04 pCi/mL) occurred in Aquifer Zone IIB_2 (Water Table) well FSB105DR, and the maximum nitrate concentration (640,000 μg/L) occurred in Aquifer Zone IIB_1 (Barnwell/McBean) well FSB 98C.

Nonvolatile beta exceeded its drinking water screening level in 40 wells during 1992, with a maximum activity of 4.2E+03 pCi/L in Aquifer Zone IIB_2 (Water Table) well FSB112D during second quarter. Gross alpha was elevated in 38 wells during the year, with activities up to 2.7E+03 pCi/L in Aquifer Zone IIB_2 (Water Table) well FSB 95DR during fourth quarter. Total alpha-emitting radium exceeded its final PDWS in 37 wells, with maximum activities up to 2.9E+02 pCi/L in Aquifer Zone IIB_2 (Water Table) well FSB105DR during second quarter. Cadmium exceeded its final PDWS in 19 wells, mercury exceeded its final PDWS in 6 wells, lead exceeded its final PDWS in 5 wells, trichloroethylene exceeded its final PDWS in 2 wells, and arsenic and tetrachloroethylene exceeded their final PDWS in 1 well each during the year. Elevated radionuclide activities were detected at similar frequencies in the FASB during 1991 and 1992; however, elevated heavy metal concentrations were detected somewhat less frequently in 1992. Elevated concentrations of volatile organic compounds continued to occur sporadically.

As in the preceding year, elevated constituents were found primarily in Aquifer Zone IIB_2 (Water Table) and Aquifer Zone IIB_1 (Barnwell/McBean) wells. However, several Aquifer Unit IIA (Congaree) wells contained elevated levels of as many as four constituents, primarily tritium, during both years.

Groundwater flow directions beneath the FASB have remained relatively unchanged by closure activities, which began in the late 1980s. Using SRS grid coordinates, flow in Aquifer Zone IIB_2 (Water Table) and Aquifer Zone IIB_1 (Barnwell/McBean) is generally south-southwest toward Fourmile Branch. Flow in both the upper and lower portions of Aquifer Unit IIA (Congaree) is northwest toward Upper Three Runs Creek. Groundwater flow rate estimates during the year ranged from approximately 84 ft/yr to 150 ft/yr in Aquifer Zone IIB_2 (Water Table), from 99 ft/yr to 220 ft/yr in Aquifer Zone IIB_1 (Barnwell/McBean), from

370 ft/yr to 1,100 ft/yr in the upper portion of Aquifer Unit IIA (Congaree), and from 260 ft/yr to 370 ft/yr in the lower portion of Aquifer Unit IIA (Congaree).

The water levels in Aquifer Zone IIB_2 (Water Table) and Aquifer Zone IIB_1 (Barnwell/McBean) beneath the FASB exhibited net increases during 1991 and 1992. The water level in Aquifer Zone IIB_2 (Water Table) increased 0.17 ft during 1992 compared to 0.01 ft in this unit in 1991. The water level in Aquifer Zone IIB_1 (Barnwell/McBean) increased 0.06 ft in 1992 compared to 0.80 ft in 1991. In Aquifer Unit IIA (Congaree), the water level fell 0.89 ft during 1991 and increased 0.24 ft during 1992.

Errata

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 6; 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 5, paragraph 4, line 1: The number of wells in the groundwater monitoring network in Aquifer Zone IIB_2 (Water Table) is incorrectly stated as 36. The correct number is 35.

- Page 5, paragraph 4, lines 3 and 4: Well FSB121DR is incorrectly listed as part of the groundwater monitoring network in Aquifer Zone IIB_2 (Water Table). Well FSB121DR was scheduled for sampling the first time third quarter 1992; only wells scheduled for sampling are considered part of the network.

- Page 5, paragraph 5, line 1: The number of wells in the groundwater monitoring network in Aquifer Zone IIB_1 (Barnwell/McBean) is incorrectly stated as 32. The correct number is 31.

- Page 5, paragraph 5, lines 2, 4, and 5: Well FSB 92C is incorrectly listed as part of the groundwater monitoring network in Aquifer Zone IIB_1 (Barnwell/McBean). Well FSB 92C has not been scheduled for sampling since mid-1991.

- Page 10, **Upgradient Versus Downgradient Results**, paragraph 3, line 6: The statement concerning upgradient wells in the lower portion of Aquifer Unit IIA (Congaree)

incorrectly identifies well FSB 79A as an upgradient well. Well FSB 78A is the only designated upgradient well in this hydrostratigraphic unit.

- Page C-14: The 5,000 pCi/mL contour is missing from the map.

Second Quarter 1992:

- Page 5, paragraph 2: The statement "wells FSB 94D, 95C, 95D, 96A, and 105D were officially abandoned first quarter 1992" should read "wells FSB 94D, 95C, 95D, 96A, and 105D were officially abandoned first quarter 1991."

- Page 10, **Upgradient Versus Downgradient Results**: The upgradient wells in Aquifer Zone IIB_2 (Water Table) should be FSB108D and 109D; the upgradient wells in the upper portion of Aquifer Unit IIA (Congaree) should be FSB 78B, 79B, 112A, and 113A; and the upgradient wells in the lower portion of Aquifer Unit IIA (Congaree) should be FSB 78A and 79A. The discussion of upgradient versus downgradient results should be revised accordingly.

Third Quarter 1992:

- Prior to third quarter 1992, the results of 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-29, Well FSB 78: The cesium-137 result of 2.1E+02±1.4E+03 pCi/L is incorrect. The correct result is 2.1E+02±3.1E+01 pCi/L.

- Page D-63, Well FSB 92D: The cesium-137 result of 1.9E+02±1.1E+02 pCi/L is incorrect. The correct result is 2.0E+01±1.1E+01 pCi/L.

- Page D-74, Well FSB 95DR: The cesium-137 result of 9.7E+02±9.0E+00 pCi/L is incorrect. The correct result is 9.7E+02±8.7E+01 pCi/L.

- Page D-80, Well FSB 97D: The cesium-137 result of 2.5E+02±1.1E+02 pCi/L is incorrect. The correct result is 2.6E+01±1.1E+01 pCi/L. The corrected result does not exceed the cesium-137 standard reported in Appendix A.

- Pages D-160 and D-161, Well FSB120A: The following results should be included for well FSB120A:

gross alpha	2.8E+00±1.2E+00 pCi/L
gross alpha	<2.5E+00 pCi/L
gross alpha	2.8E+00±1.0E+00 pCi/L
nonvolatile beta	1.4E+01±1.5E+00 pCi/L
nonvolatile beta	1.3E+01±1.5E+00 pCi/L
nonvolatile beta	1.5E+01±1.6E+00 pCi/L

radium-226	6.6E+00 ± 1.1E+00 pCi/L
radium-226	3.8E+00 ± 1.1E+00 pCi/L
radium-226	3.7E+00 ± 1.1E+00 pCi/L
radium-228	1.3E+00 ± 9.0E-01 pCi/L
radium-228	2.0E+00 ± 9.0E-01 pCi/L
radium-228	1.0E+00 ± 1.1E+00 pCi/L
tritium	1.2E+02 ± 3.7E+01 pCi/mL
tritium	1.3E+02 ± 3.9E+01 pCi/mL
tritium	1.2E+02 ± 3.6E+01 pCi/mL
uranium	1.3E−01 ± 1.0E−02 pCi/L
uranium	1.3E−01 ± 2.0E−02 pCi/L
uranium	6.0E−02 ± 1.0E−02 pCi/L

References Cited

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

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

Geraghty & Miller, Inc., 1990. **Evaluation of Integrated Waste Facility Closure Capping on Ground-Water Flow and Solute Transport in General Separations Area, Savannah River Site: Flow Model and Particle-Tracking Analysis, Final Report**. Prepared by Geraghty & Miller Modeling Group for Westinghouse Savannah River Company, Waste Management Technology, Savannah River Site, Aiken, SC.

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

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

SCDHEC (South Carolina Department of Health and Environmental Control), 1990. **South Carolina Hazardous Waste Management Regulations**; R.61-79.124, .260 through .266, .268, and .270; November 1990. Columbia, SC.

SCDHEC (South Carolina Department of Health and Environmental Control), 1992. **Hazardous Waste Permit SC1-890-008-989**. Office of Environmental Quality Control, Bureau of Solid and Hazardous Waste Management, Columbia, SC.

WSRC (Westinghouse Savannah River Company), 1990. **Application for a Hazardous Waste Part B Post-Closure Care Permit. Volume IV. F-Area Hazardous Waste Management Facility**. Revision 2, December 3, 1990. Savannah River Site, Aiken, SC.

WSRC (Westinghouse Savannah River Company), 1992a. **Application for a Hazardous Waste Part B Post-Closure Care Permit. Volume IV. F-Area Hazardous Waste Management Facility**. Revision 3, March 13, 1992. Savannah River Site, Aiken, SC.

WSRC (Westinghouse Savannah River Company), 1992b. **Hydrogeologic Data Collection Procedures and Specifications: Sampling Groundwater Monitoring Wells**, Manual 3Q5, Chapter 14, Revision 0. Environmental Protection Department, Environmental Monitoring Section, Savannah River Site, Aiken, SC.

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[a]	Final	CFR, 1991
Bromoform	µg/L	100[a]	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[a]	Final	CFR, 1991
Chromium	µg/L	100	Final	CFR, 1991
Copper	µg/L	1,300	Final	CFR, 1991
Dibromochloromethane	µg/L	100[a]	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[b]	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[c]	pCi/L	5E+01	Final	EPA, 1977
PCBs[d]	µg/L	0.5	Final	CFR, 1991
Pentachlorophenol	µg/L	1	Final	CFR, 1991
Selenium	µg/L	50	Final	CFR, 1991
Strontium-89/90[e]	pCi/L	8E+00	Final	CFR, 1991
Strontium-90	pCi/L	8E+00	Final	CFR, 1991
Styrene	µg/L	100	Final	CFR, 1991
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

Analyte	Unit	Level	Status	Reference
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.

[a] This value is the drinking water standard for total trihalomethanes (the sum of bromoform, bromodichloromethane, chloroform, and dibromochloromethane).

[b] The standard given is for gross alpha including radium-226 but excluding radon and uranium.

[c] 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.

[d] Analyses were conducted in 1992 for the following: PCB 1016, PCB 1221, PCB 1232, PCB 1242, PCB 1248, PCB 1254, and PCB 1260.

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

References

CFR (Code of Federal Regulations), 1991. *National Primary Drinking Water Regulations*, **40 CFR, Part 141**, pp. 578–715. Washington, DC.

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

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

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.

Analyte	Unit	Flag 1	Flag 2	Source
Acenaphthene	µg/L	50	100	EPA Method 8270
Acenaphthylene	µg/L	50	100	EPA Method 8270
Acetone	µg/L	50	100	EPA Method 8240
Acetonitrile (Methyl cyanide)	µg/L	500	1,000	EPA Method 8240
Acetophenone	µg/L	50	100	EPA Method 8270
2-Acetylaminofluorene	µg/L	50	100	EPA Method 8270
Acrolein	µg/L	100	200	EPA Method 8240
Acrylonitrile	µg/L	100	200	EPA Method 8240
Aldrin	µg/L	2.5	5	EPA Method 8080
Alkalinity (as $CaCO_3$)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	250	500	EPA Method 8240
Aluminum	µg/L	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 9060
Disulfoton	µg/L	50	100	EPA Method 8270
Eh		No flag	No flag	Set by EPD/EMS
alpha-Endosulfan	µg/L	50	100	EPA Method 8270
beta-Endosulfan	µg/L	50	100	EPA Method 8270
Endosulfan I	µg/L	2.5	5	EPA Method 8080
Endosulfan II	µg/L	2.5	5	EPA Method 8080
Endosulfan sulfate	µg/L	2.5	5	EPA Method 8080
Endrin	µg/L	0.1	0.2	Final DWS (CFR, 1991a)
Endrin aldehyde	µg/L	2.5	5	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethyl methacrylate	µg/L	50	100	EPA Method 8270
Ethyl methanesulfonate	µg/L	50	100	EPA Method 8270
Ethylbenzene	µg/L	350	700	Final DWS (CFR, 1991a)
Europium-154	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Europium-155	pCi/L	3E+02	6E+02	Final DWS (EPA, 1977)
Famphur	µg/L	50	100	EPA Method 8270
Fluoranthene	µg/L	50	100	EPA Method 8270
Fluorene	µg/L	50	100	EPA Method 8270
Fluoride	µg/L	2,000	4,000	Final DWS (CFR, 1991a)
Gross alpha	pCi/L	7.5E+00	1.5E+01	Final DWS (CFR, 1991a)
Heptachlor	µg/L	0.2	0.4	Final DWS (CFR, 1991a)
Heptachlor epoxide	µg/L	0.1	0.2	Final DWS (CFR, 1991a)
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.00325	0.0065	EPA Method 8280
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	µg/L	0.00325	0.0065	EPA Method 8280
Heptachlorodibenzo-p-furan isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1	Proposed DWS (EPA, 1990)
Hexachlorobutadiene	µg/L	50	100	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Proposed DWS (EPA, 1990)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280

Analyte	Unit	Flag 1	Flag 2	Source
1,2,3,4,7,8-Hexachlorodibenzo-p-furan	µg/L	0.002	0.004	EPA Method 8280
Hexachloroethane	µg/L	50	100	EPA Method 8270
Hexachlorophene	µg/L	250	500	EPA Method 8270
Hexachloropropene	µg/L	50	100	EPA Method 8270
2-Hexanone	µg/L	100	200	EPA Method 8240
Indeno[1,2,3-*c,d*]pyrene	µg/L	50	100	EPA Method 8270
Iodine	µg/L	500	1,000	EPA Method 415
Iodine-129	pCi/L	5E-01	1E+00	Final DWS (EPA, 1977)
Iodine-131	pCi/L	1.5E+00	3E+00	Final DWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	75	150	EPA Method 8240
Iron	µg/L	150	300	Secondary DWS (CFR, 1991b)
Iron-55	pCi/L	1E+03	2E+03	Final DWS (EPA, 1977)
Iron-59	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Isobutyl alcohol	µg/L	500	1,000	EPA Method 8240
Isodrin	µg/L	50	100	EPA Method 8270
Isophorone	µg/L	50	100	EPA Method 8270
Isosafrole	µg/L	50	100	EPA Method 8270
Kepone	µg/L	50	100	EPA Method 8270
Lanthanum-140	pCi/L	3E+01	6E+01	Final DWS (EPA, 1977)
Lead	µg/L	7.5	15	Final DWS (CFR, 1991a)
Lindane	µg/L	0.1	0.2	Final DWS (CFR, 1991a)
Lithium	µg/L	25	50	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Manganese	µg/L	25	50	Secondary DWS (CFR, 1991b)
Manganese-54	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Mercury	µg/L	1	2	Final DWS (CFR, 1991a)
Methacrylonitrile	µg/L	250	500	EPA Method 8240
Methapyrilene	µg/L	50	100	EPA Method 8270
Methoxychlor	µg/L	20	40	Final DWS (CFR, 1991a)
3-Methylcholanthrene	µg/L	50	100	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	250	500	EPA Method 8270
Methyl ethyl ketone		No flag	No flag	Set by EPD/EMS
Methyl isobutyl ketone		No flag	No flag	Set by EPD/EMS
Methyl methacrylate	µg/L	50	100	EPA Method 8270
Methyl methanesulfonate	µg/L	50	100	EPA Method 8270
2-Methylnaphthalene	µg/L	50	100	EPA Method 8270
Molybdenum	µg/L	250	500	EPA Method 6010
Naphthalene	µg/L	50	100	EPA Method 8270
1,4-Naphthoquinone	µg/L	50	100	EPA Method 8270
1-Naphthylamine	µg/L	50	100	EPA Method 8270
2-Naphthylamine	µg/L	50	100	EPA Method 8270
Neptunium-237	pCi/L	3.53E+00	7.06E+00	Proposed DWS (EPA, 1991)
Nickel	µg/L	50	100	Proposed DWS (EPA, 1990)
Nickel-59	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Nickel-63	pCi/L	2.5E+01	5E+01	Final DWS (EPA, 1977)
Niobium-95	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final DWS (CFR, 1991a)
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[a]	pCi/L	3.11E+01	6.21E+01	Proposed DWS (EPA, 1991)
Plutonium-240	pCi/L	3.11E+01	6.22E+01	Proposed DWS (EPA, 1991)
Plutonium-241	pCi/L	3.13E+01	6.26E+01	Proposed DWS (EPA, 1991)
Plutonium-242	pCi/L	3.27E+01	6.54E+01	Proposed DWS (EPA, 1991)
Potassium		No flag	No flag	Set by EPD/EMS

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[a]	pCi/L	4E+00	8E+00	Final DWS (CFR, 1991a)
Strontium-90	pCi/L	4E+00	8E+00	Final DWS (CFR, 1991a)
Styrene	µg/L	50	100	Final DWS (CFR, 1991a)
Sulfate	µg/L	200,000	400,000	Proposed DWS (EPA, 1990)
Sulfide	µg/L	5,000	10,000	EPA Method 9030
Sulfotepp	µg/L	50	100	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.00225	0.0045	EPA Method 8280
2,3,7,8-TCDF	µg/L	0.002	0.004	EPA Method 8280
Technetium-99	pCi/L	4.5E+02	9E+02	Final DWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	50	100	EPA Method 8270
Tetrachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
Tetrachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
Tetrachloroethylene	µg/L	2.5	5	Final DWS (CFR, 1991a)
2,3,4,6-Tetrachlorophenol	µg/L	50	100	EPA Method 8270
Tetraethyl dithiopyrophosphate	µg/L	50	100	EPA Method 8270
Thallium	µg/L	0.5	1	Proposed DWS (EPA, 1990)
Thionazin	µg/L	50	100	EPA Method 8270
Thorium-228	pCi/L	6.25E+01	1.25E+02	Proposed DWS (EPA, 1991)
Thorium-230	pCi/L	3.96E+01	7.92E+01	Proposed DWS (EPA, 1991)
Thorium-232	pCi/L	4.4E+01	8.8E+01	Proposed DWS (EPA, 1991)
Thorium-234	pCi/L	2E+02	4.01E+02	Proposed DWS (EPA, 1991)
Tin	µg/L	10	20	EPA Method 282.2
Tin-113	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final DWS (CFR, 1991a)
o-Toluidine	µg/L	50	100	EPA Method 8270
Total carbon	µg/L	5,000	10,000	EPA Method 9060
Total dissolved solids		No flag	No flag	Set by EPD/EMS
Total hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total inorganic carbon	µg/L	5,000	10,000	EPA Method 9060
Total organic carbon	µg/L	5,000	10,000	EPA Method 9060
Total organic halogens	µg/L	25	50	EPA Method 9020
Total organic nitrogen	µg/L	500	1,000	EPA Method 420

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[a]	pCi/L	6.9E-00	1.38E+01	Proposed DWS (EPA, 1991)
Uranium-234	pCi/L	6.95E+00	1.39E+01	Proposed DWS (EPA, 1991)
Uranium-235	pCi/L	7.25E+00	1.45E+01	Proposed DWS (EPA, 1991)
Uranium-238	pCi/L	7.3E+00	1.46E+01	Proposed DWS (EPA, 1991)
Vanadium	µg/L	50	100	EPA Method 6010
Vinyl acetate	µg/L	5	10	EPA Method 8240
Xylenes	µg/L	5,000	10,000	Final DWS (CFR, 1991a)
Zinc	µg/L	2,500	5,000	Secondary DWS (CFR, 1991b)
Zinc-65	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Zirconium-95	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Zirconium/Niobium-95[a]	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)

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

References

APHA (American Public Health Association, American Water Works Association, and Water Pollution Control Federation), 1985. **Standard Methods for the Examination of Water and Wastewater**, 16th edition. Washington, DC.

CFR (Code of Federal Regulations), 1991a. *National Primary Drinking Water Regulations,* **40 CFR, Part 141**, pp. 578–715. Washington, DC.

CFR (Code of Federal Regulations), 1991b. *National Secondary Drinking Water Regulations,* **40 CFR, Part 143**, pp. 758–762. Washington, DC.

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

EPA (U.S. Environmental Protection Agency), 1986. *Water Pollution Control; National Primary Drinking Water Regulations, Radionuclides (Proposed).* **Federal Register**, September 30, 1986, pp. 34836-34862. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1990. *National Primary and Secondary Drinking Water Regulations; Synthetic Organic Chemicals and Inorganic Chemicals (Proposed Rule).* **Federal Register**, July 25, 1990, pp. 30369-30448. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1991. *National Primary Drinking Water Regulations; Radionuclides; Proposed Rule.* **Federal Register**, July 18, 1991, pp. 33052-33127. Washington, DC.

Appendix C – Figures

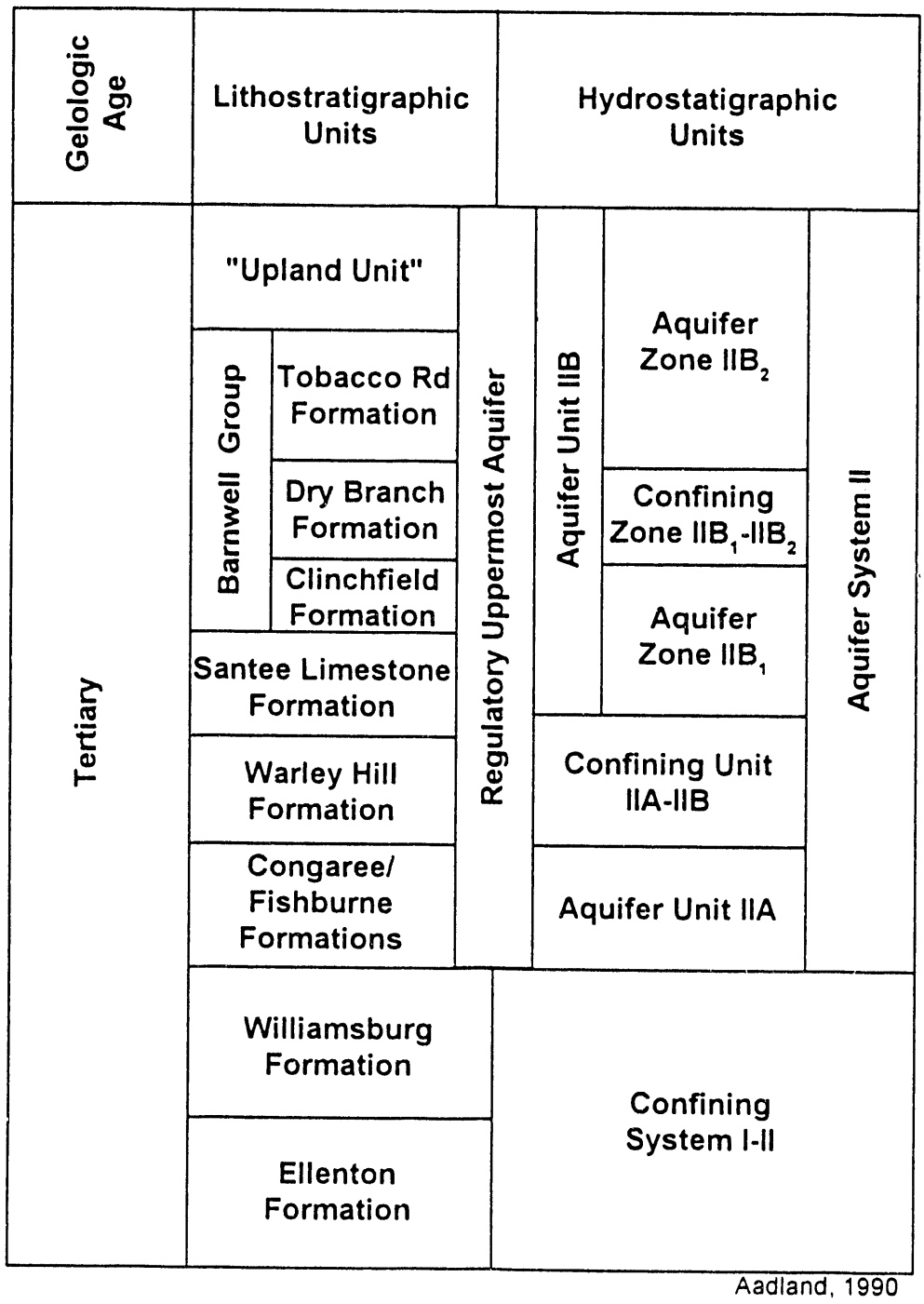


Figure 1. Hydrostratigraphic Nomenclature

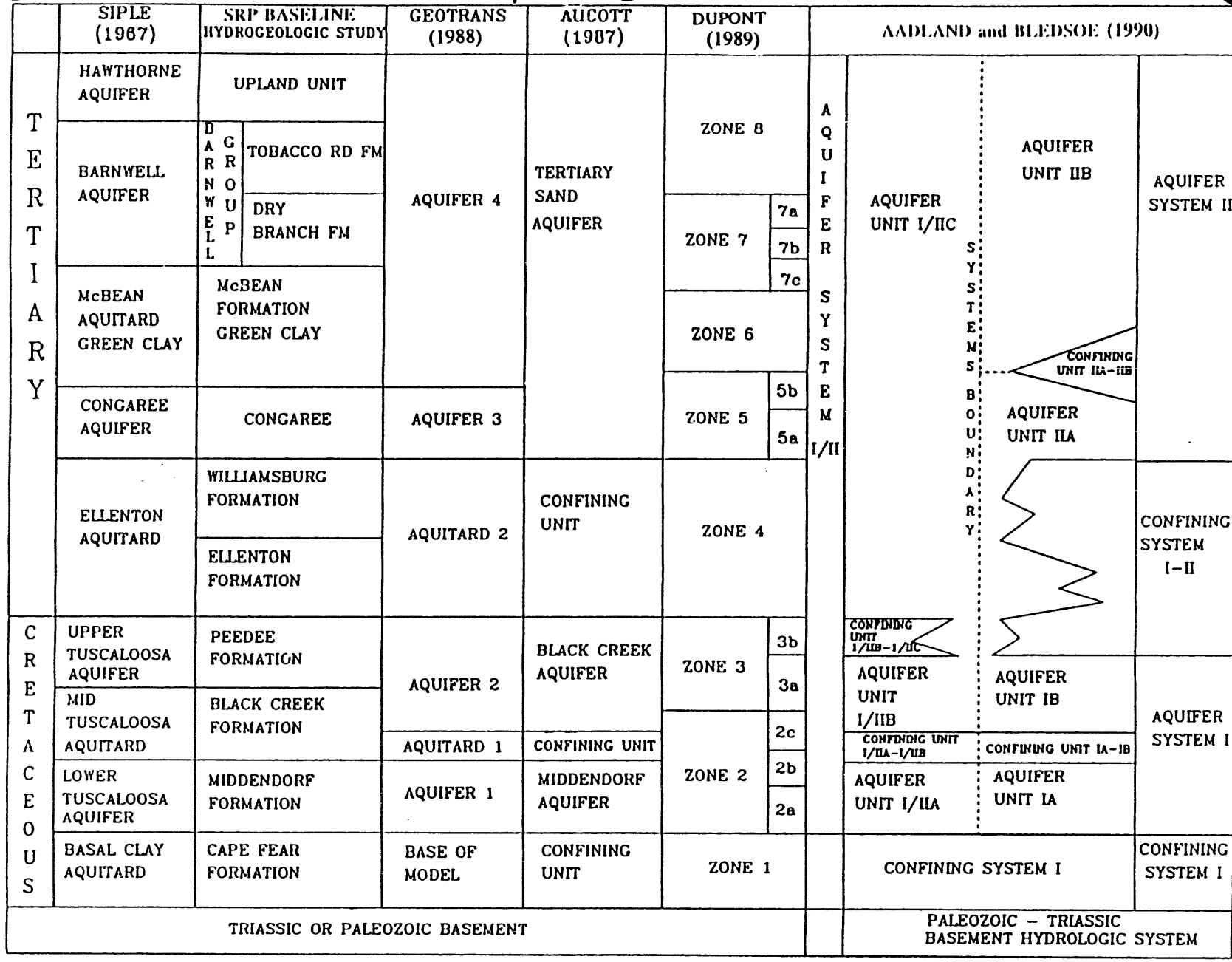


Figure 2. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclatures

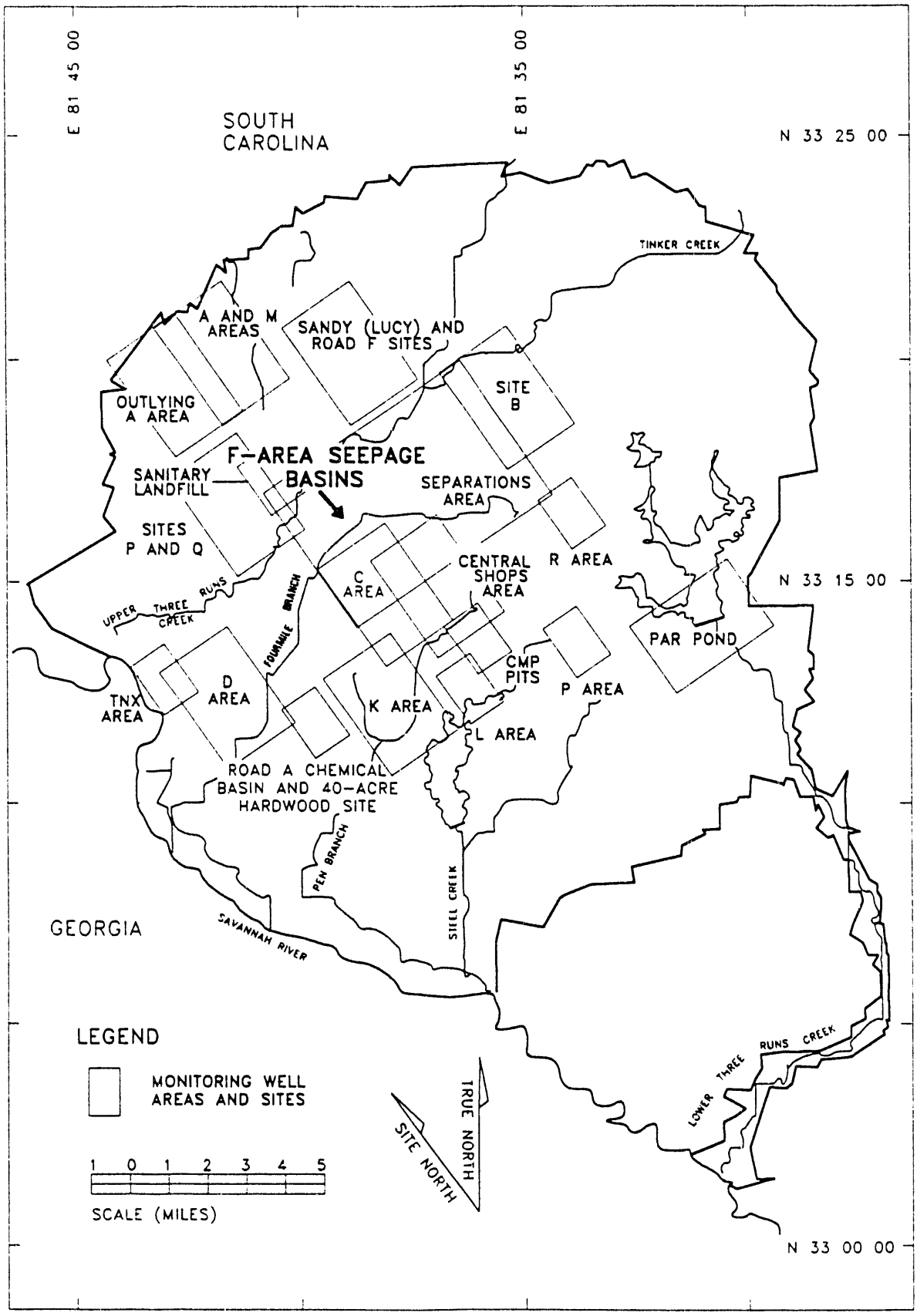


Figure 3. Location of the F-Area Seepage Basins at the Savannah River Site

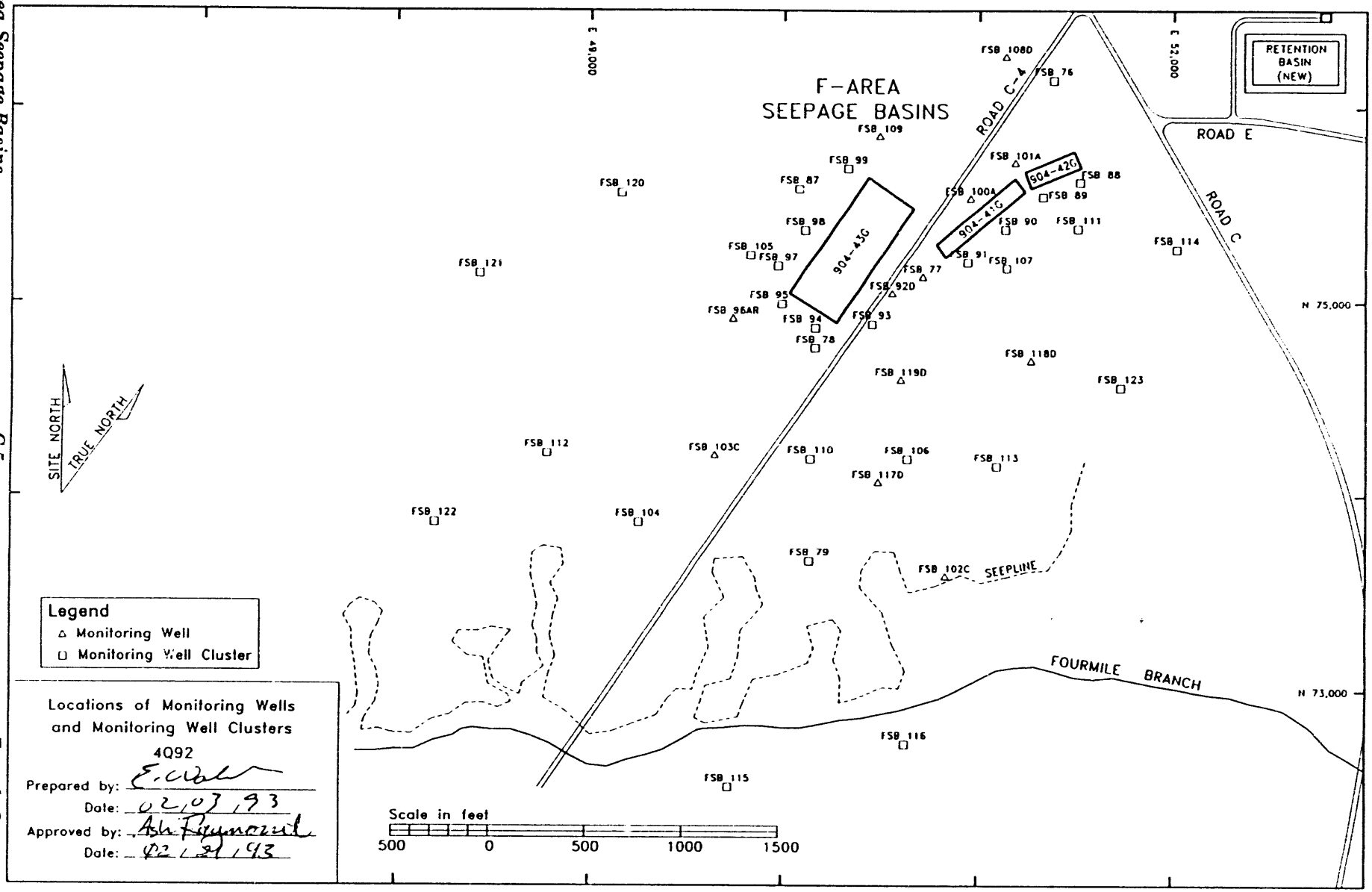


Figure 4. Location of the Groundwater Monitoring Wells at the F-Area Seepage Basins

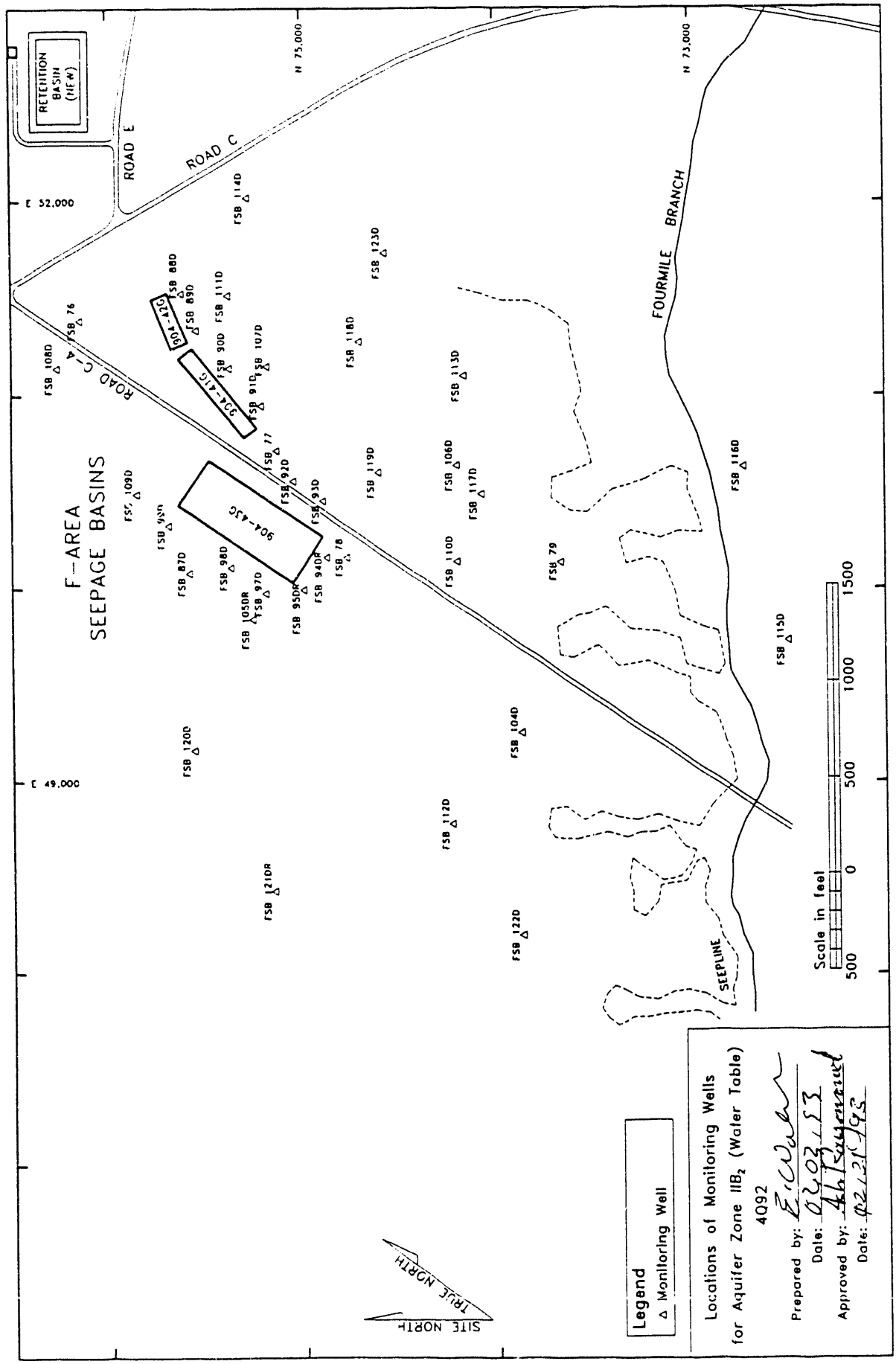


Figure 5. Location of Aquifer Zone IIB_2 (Water Table) Monitoring Wells at the F-Area Seepage Basins

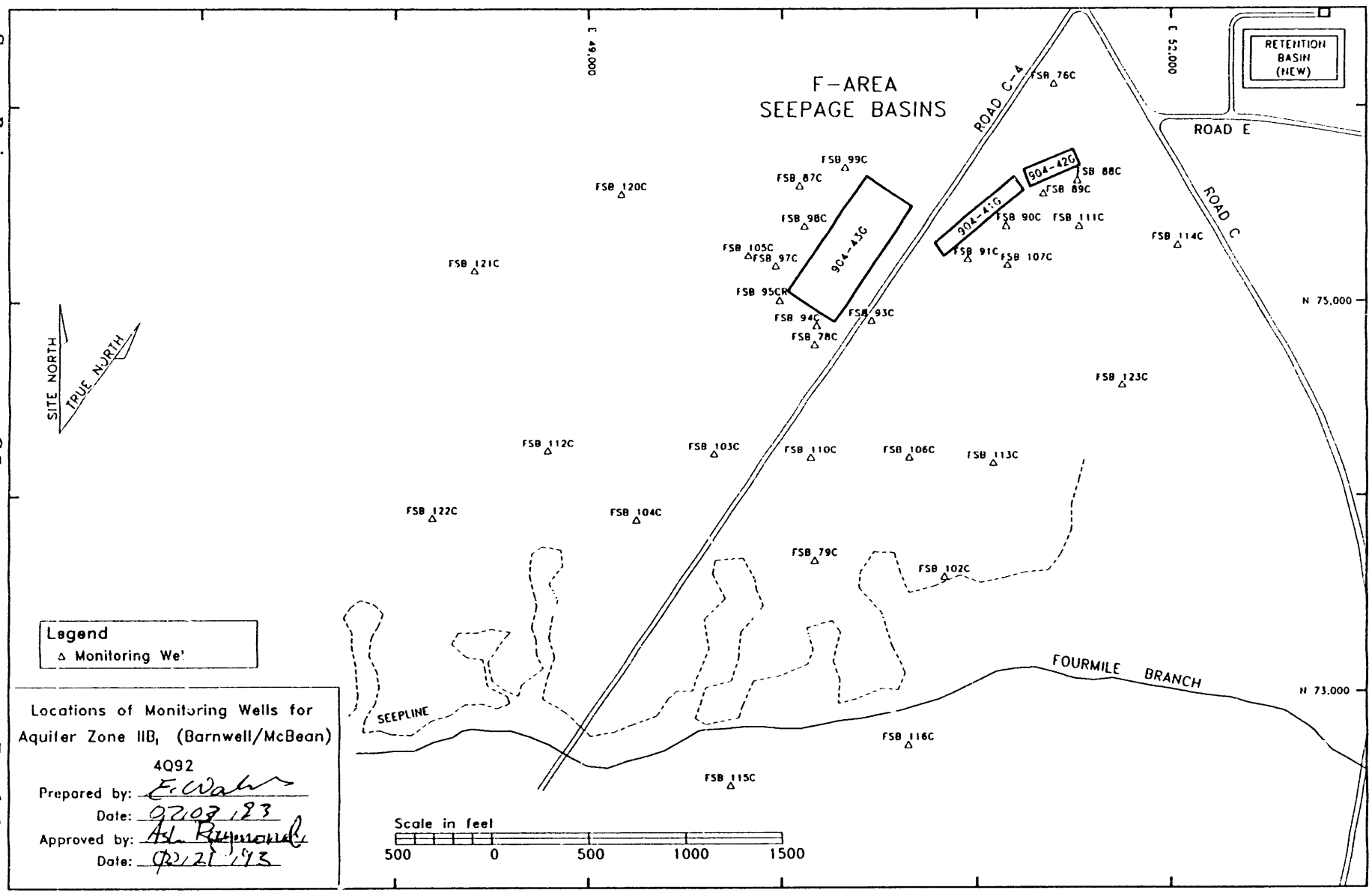


Figure 6. Location of Aquifer Zone IIB_1 (Barnwell/McBean) Monitoring Wells at the F-Area Seepage Basins

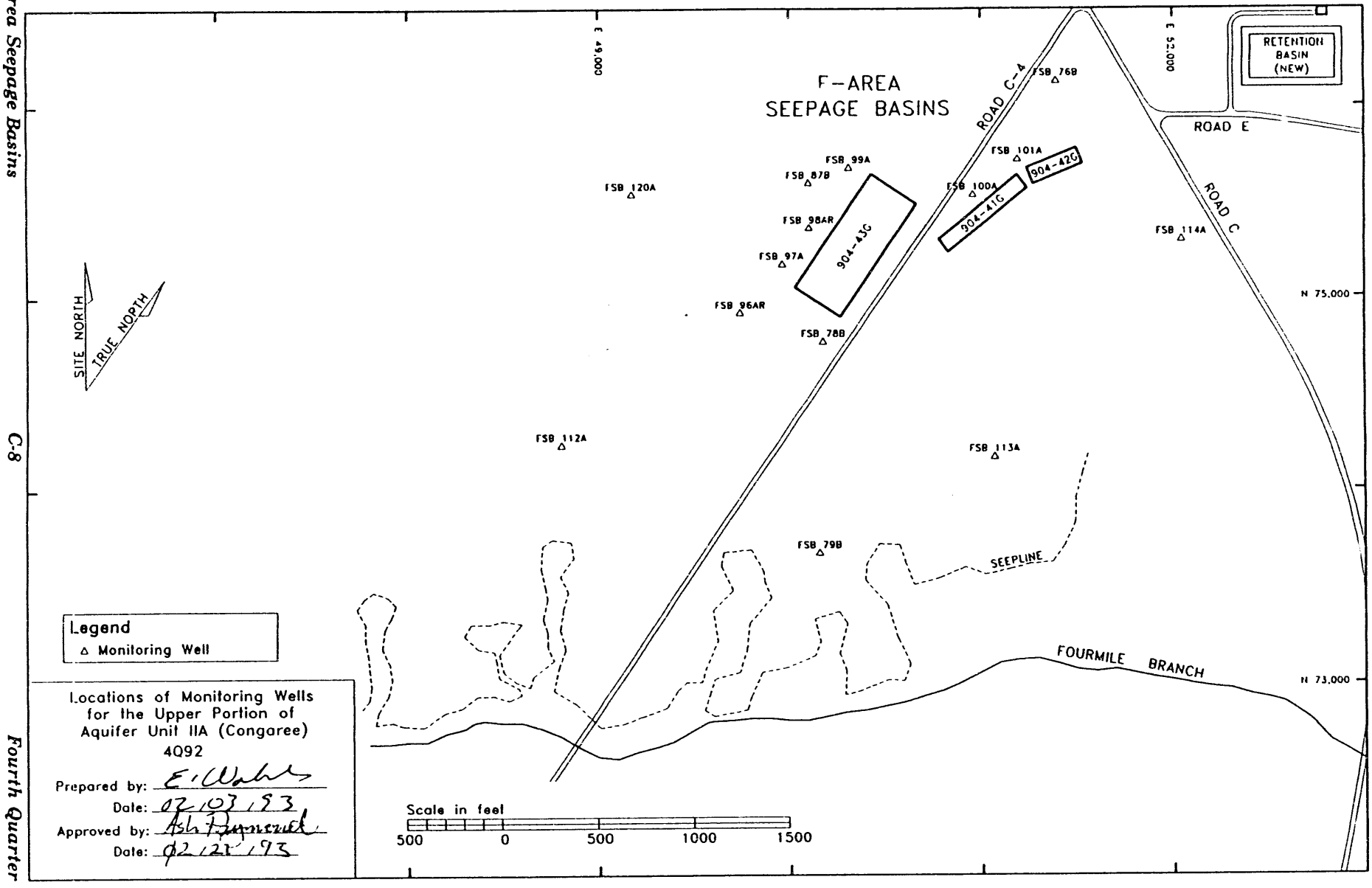


Figure 7. Location of Upper Portion of Aquifer Unit IIA (Congaree) Monitoring Wells at the F-Area Seepage Basins

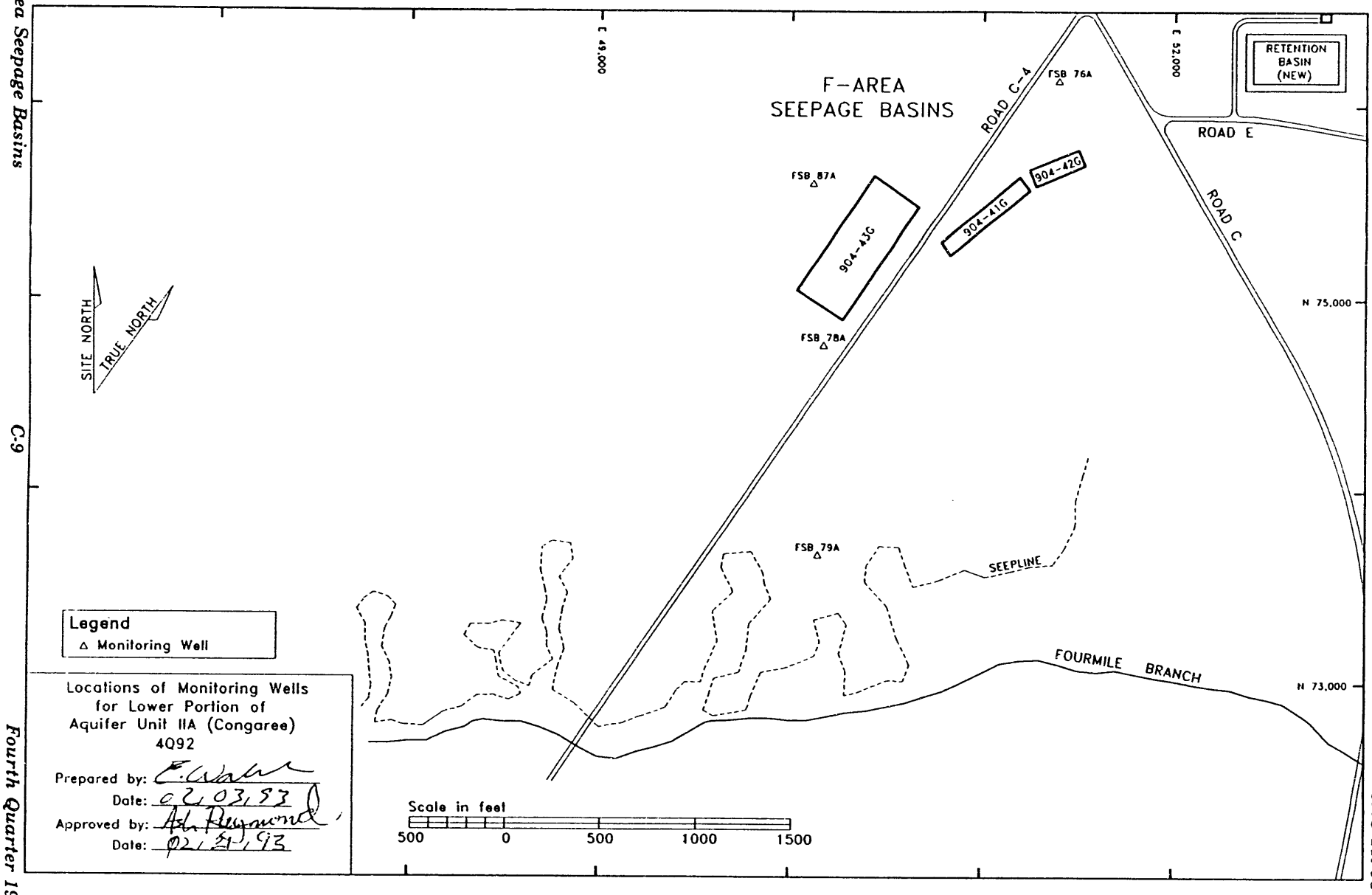


Figure 8. Location of Lower Portion of Aquifer Unit IIA (Congaree) Monitoring Wells at F-Area Seepage Basins

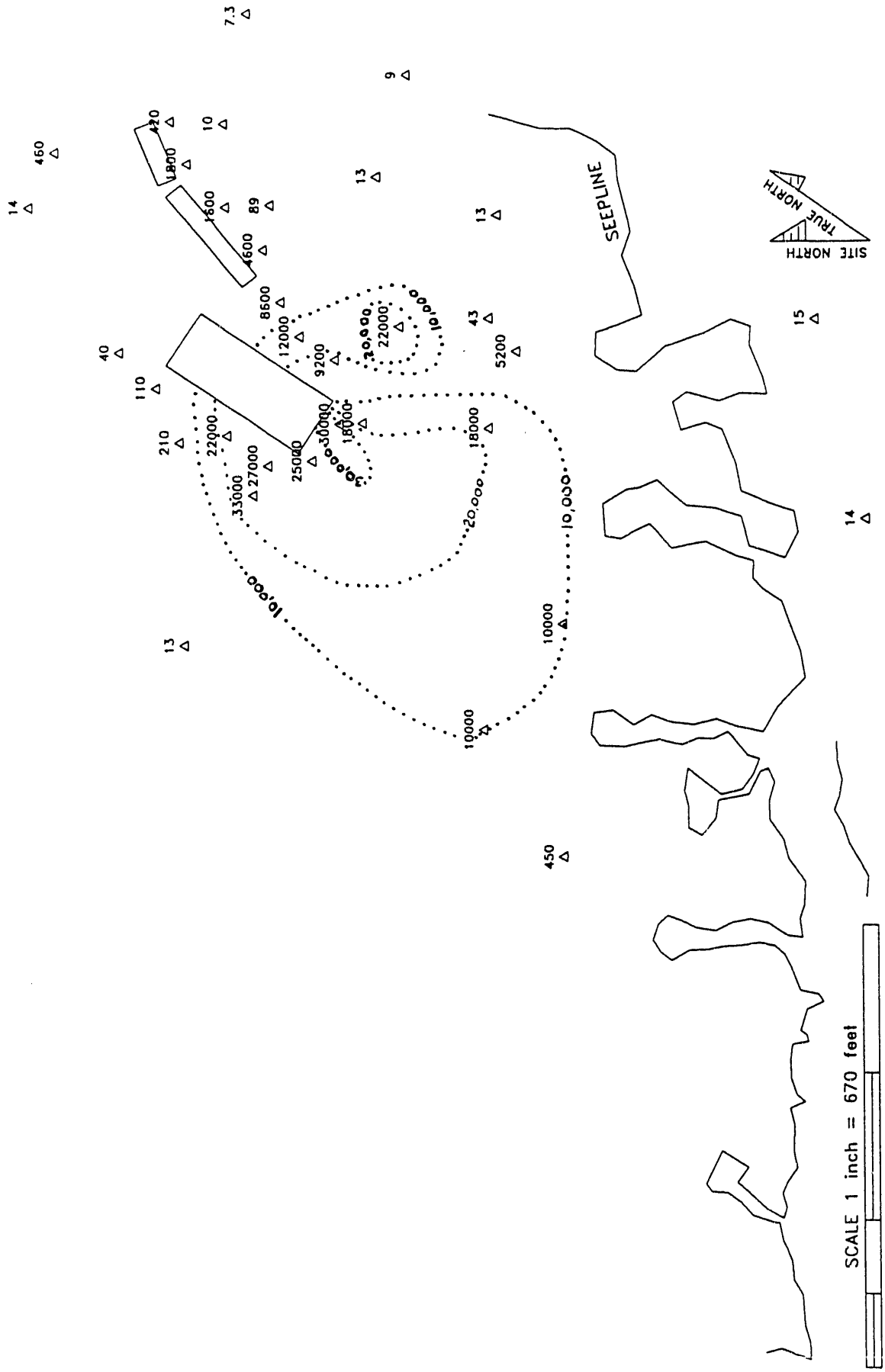


Figure 9. Tritium Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992

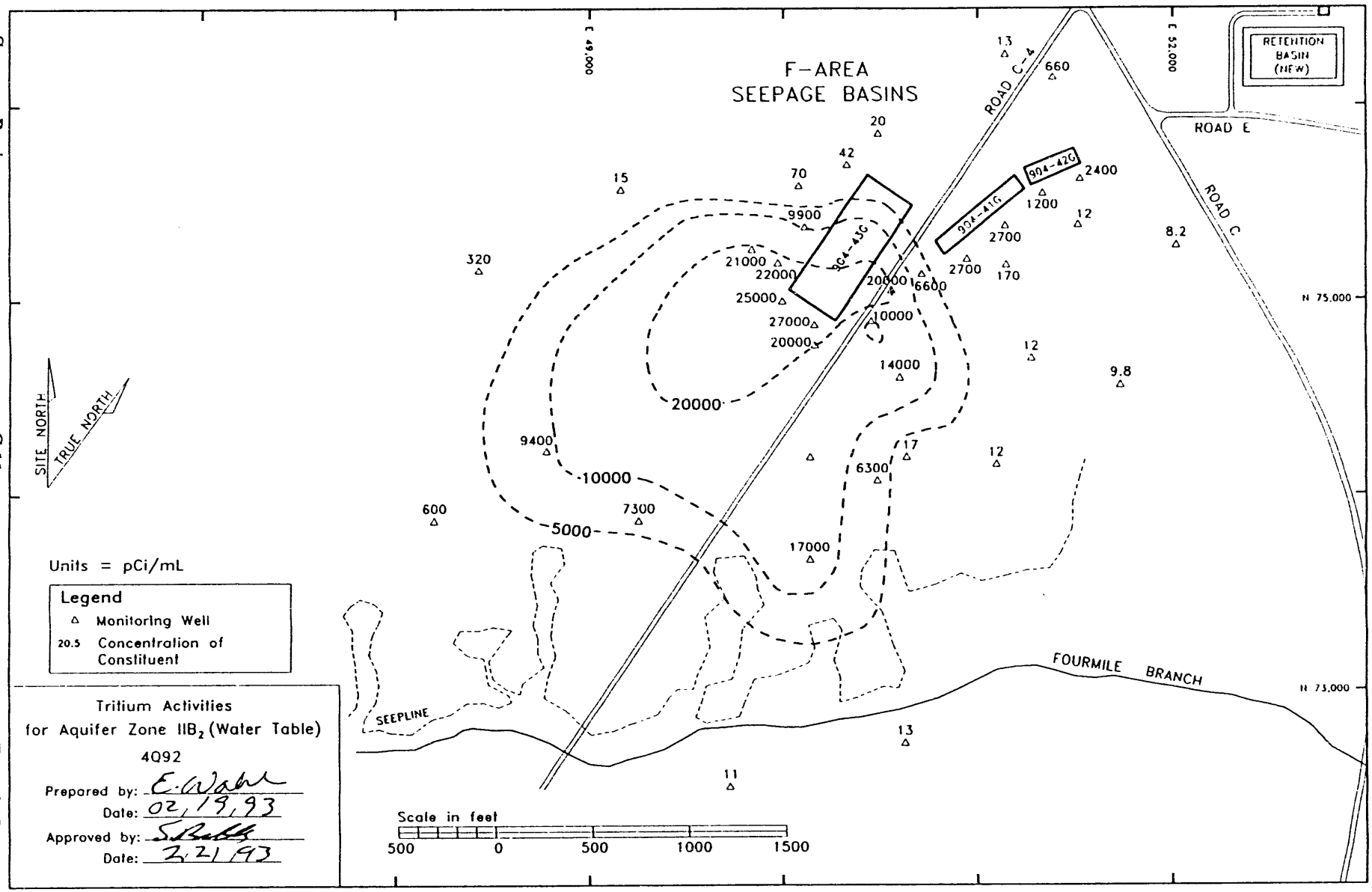


Figure 10. Tritium Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992

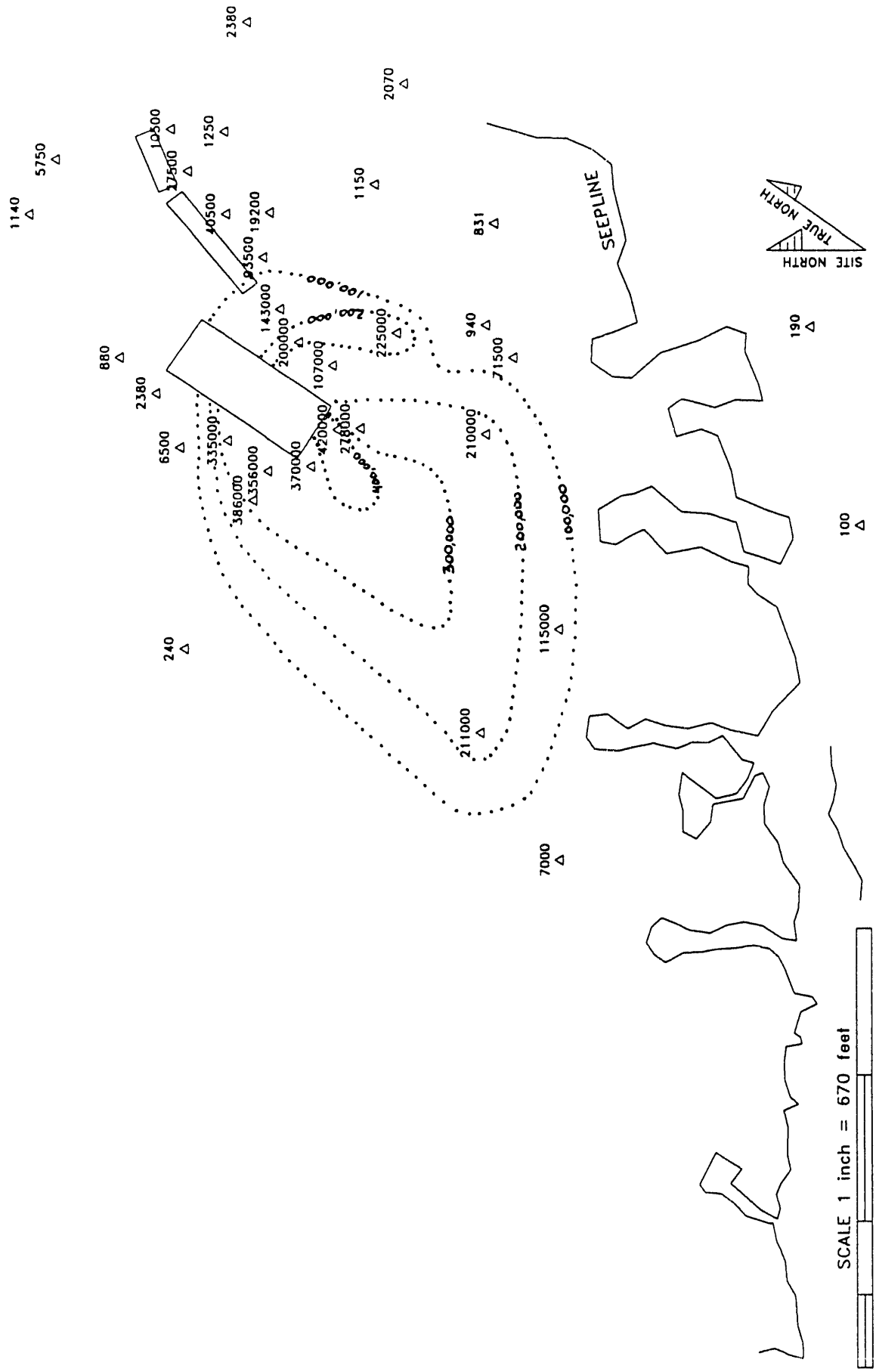


Figure 11. Nitrate Concentrations in Aquifer Zone IIB_1 (Water Table) at the F-Area Seepage Basins, First Quarter 1992

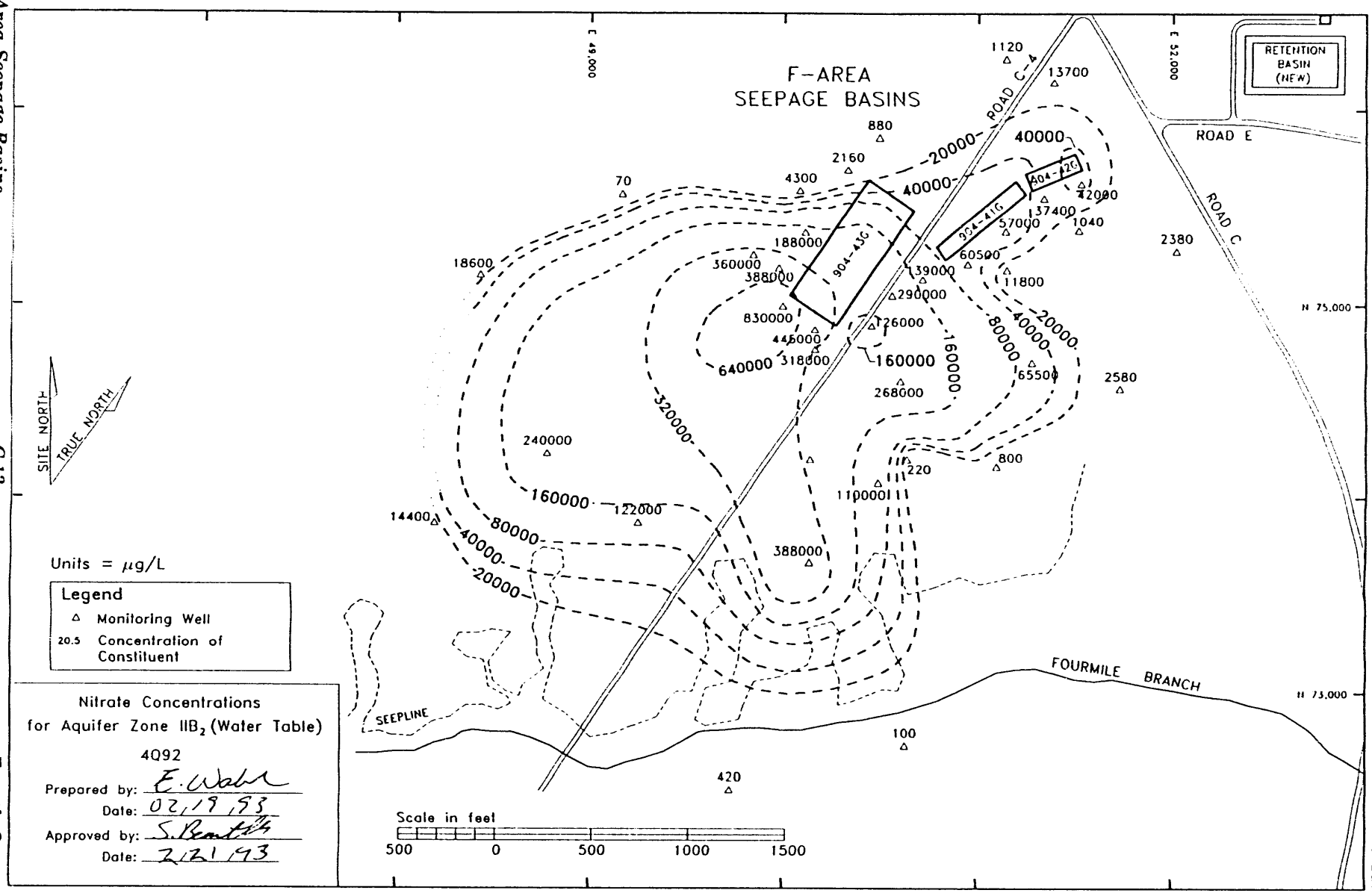


Figure 12. Nitrate Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992

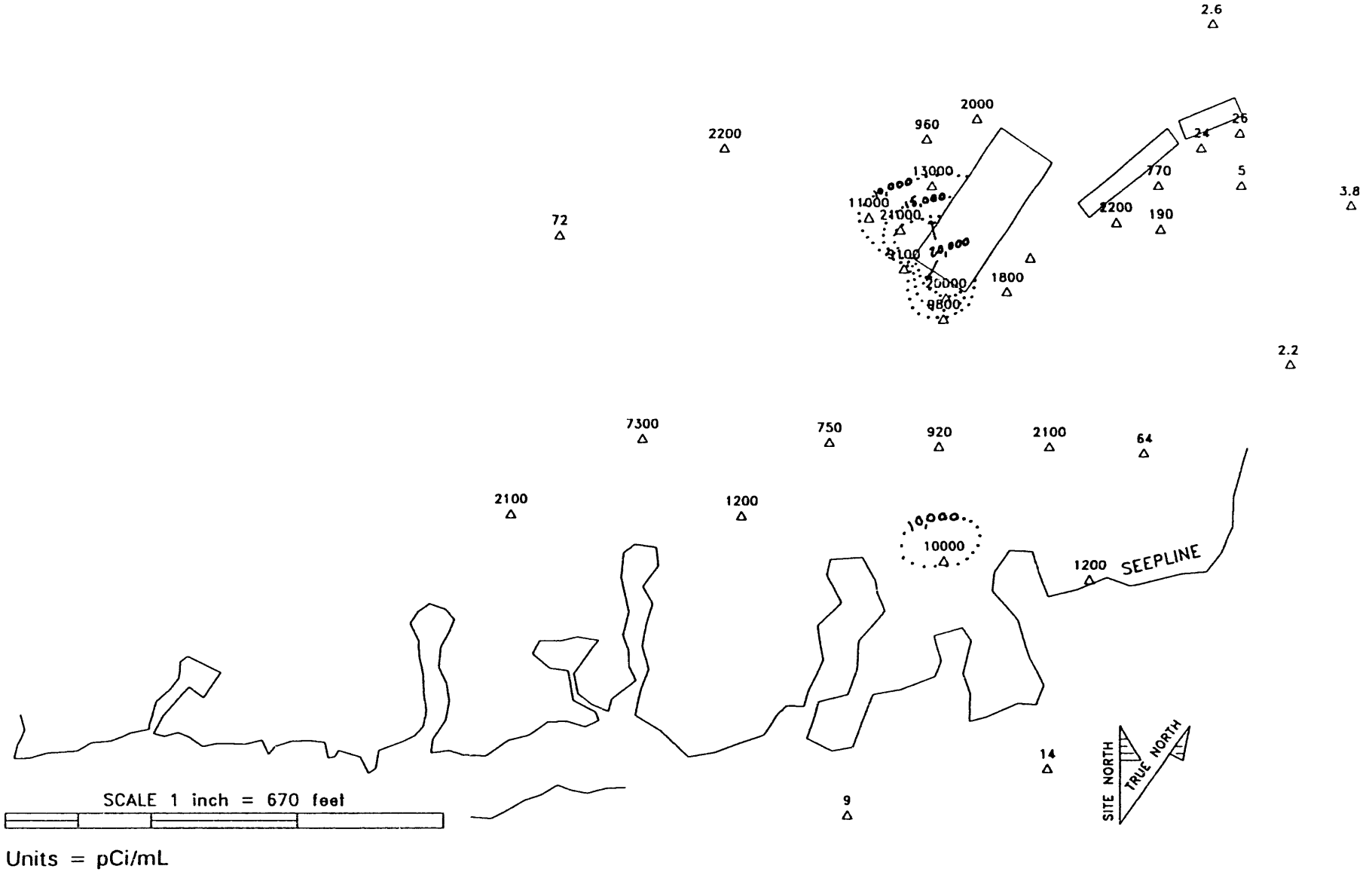


Figure 13. Tritium Activities in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992

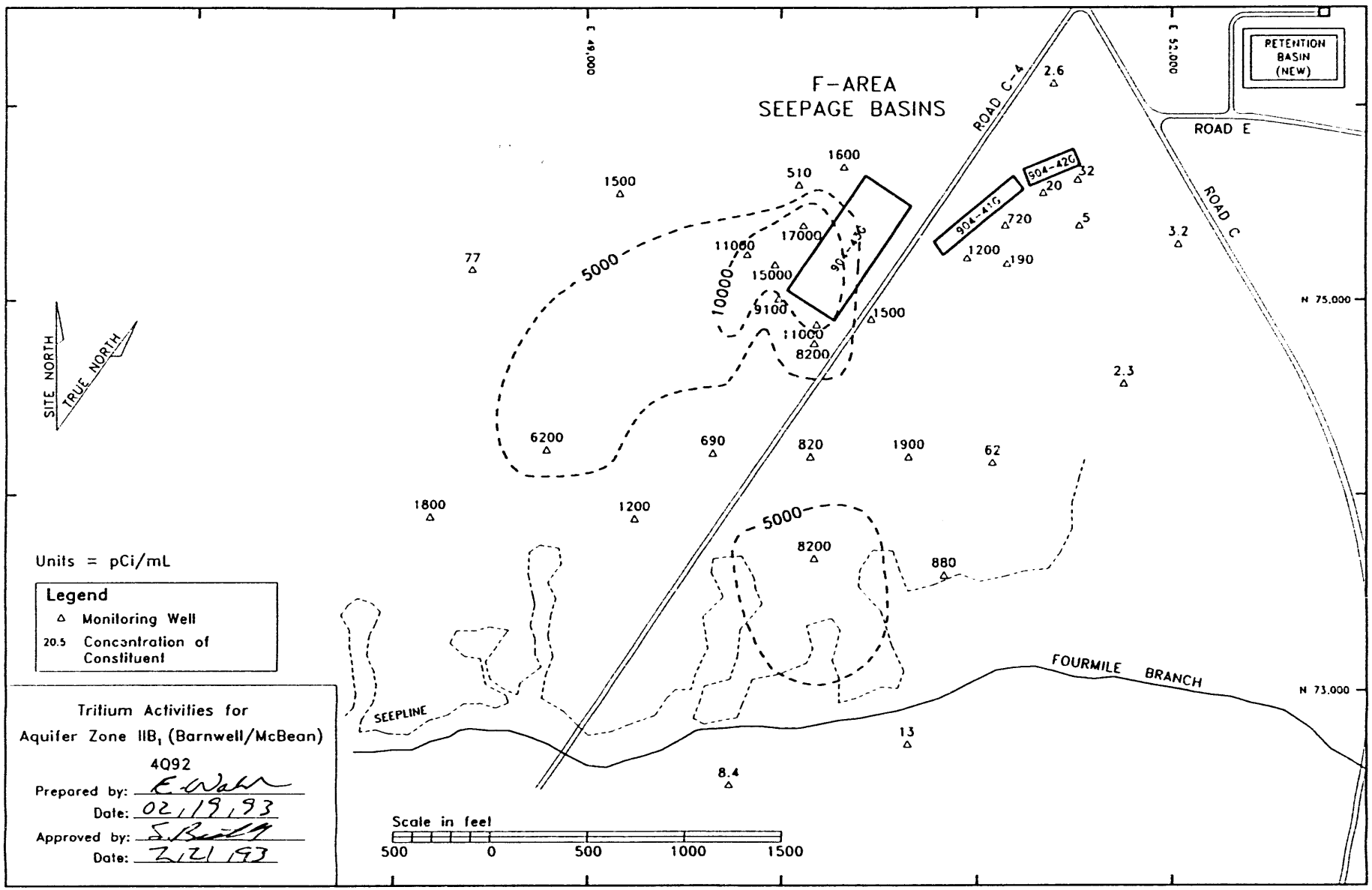


Figure 14. Tritium Activities in Aquifer Zone IIB$_1$ (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992

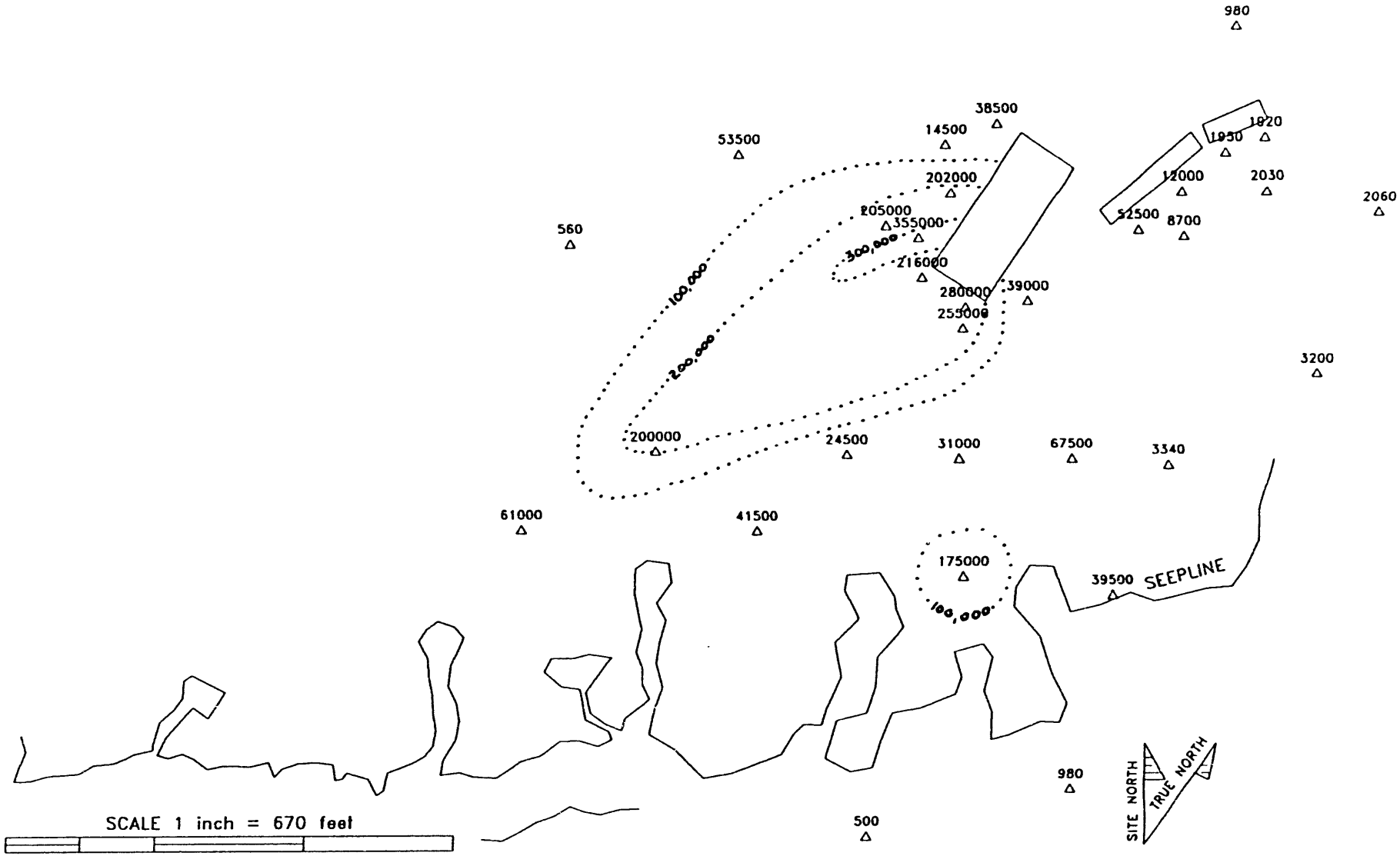


Figure 15. Nitrate Concentrations in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992

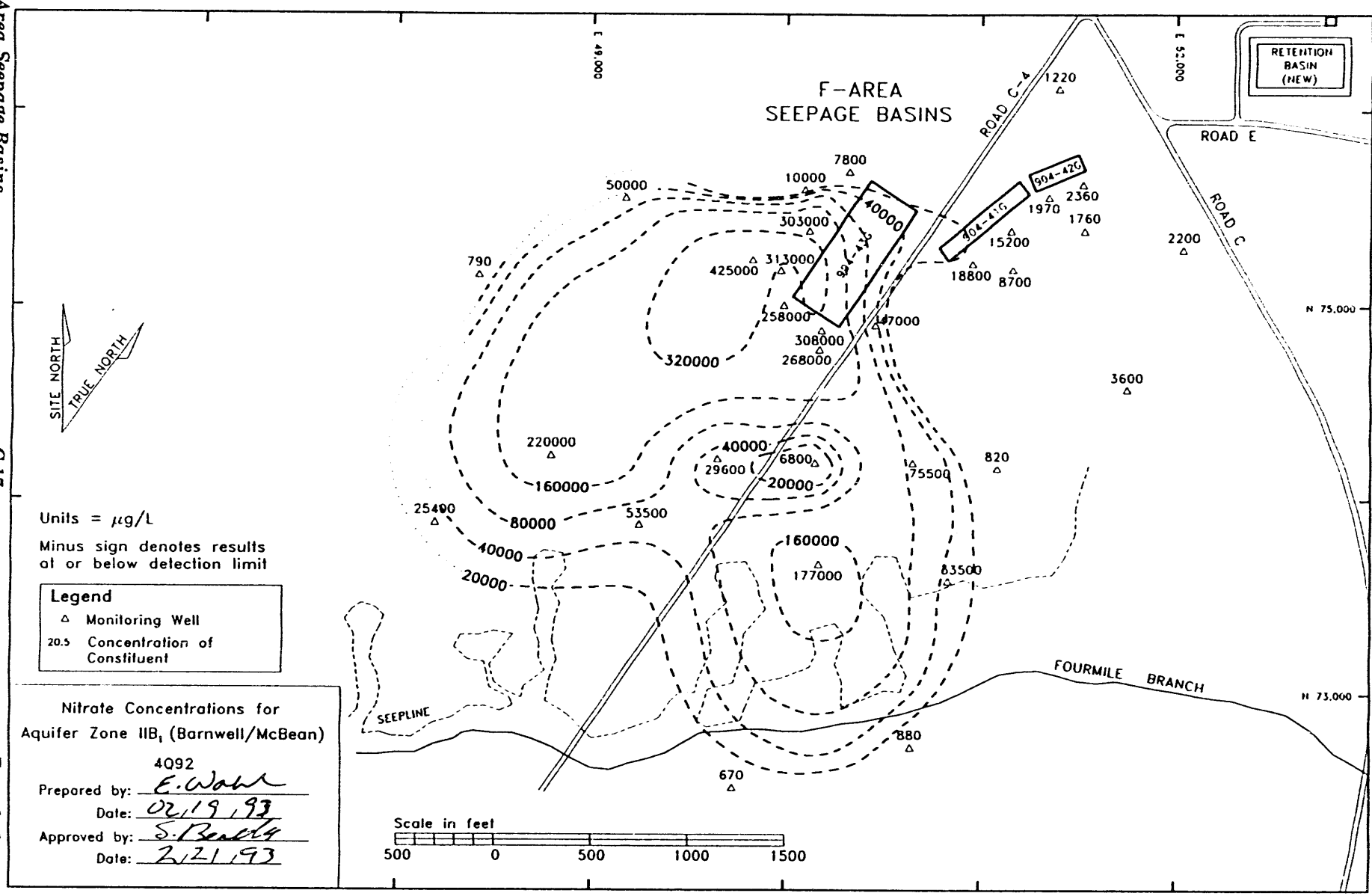
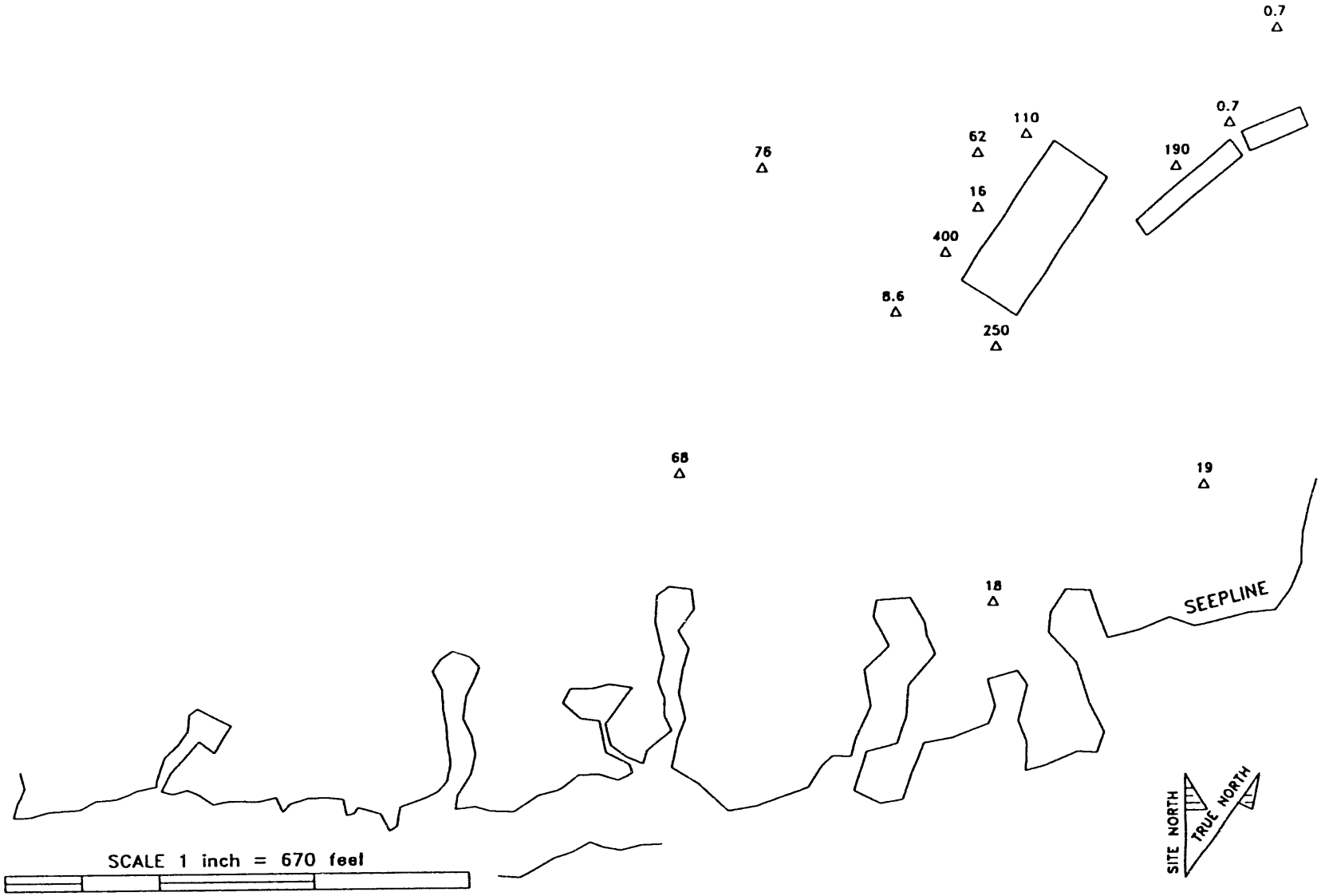


Figure 16. Nitrate Concentrations in Aquifer Zone IIB$_1$ (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992



Posted value of 0.7 indicates detection limit

Units = pCi/mL

Figure 17. Tritium Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992

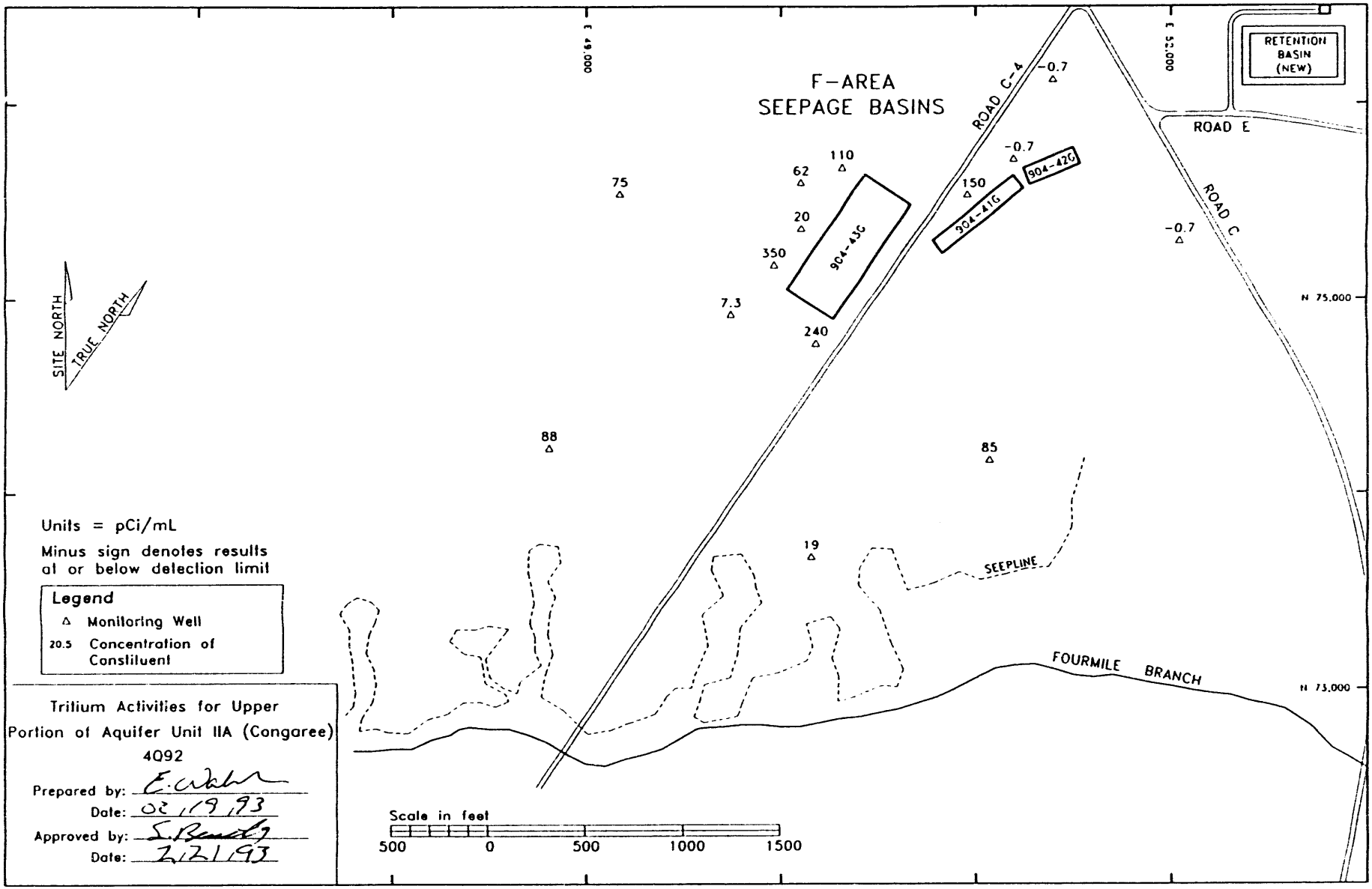


Figure 18. Tritium Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

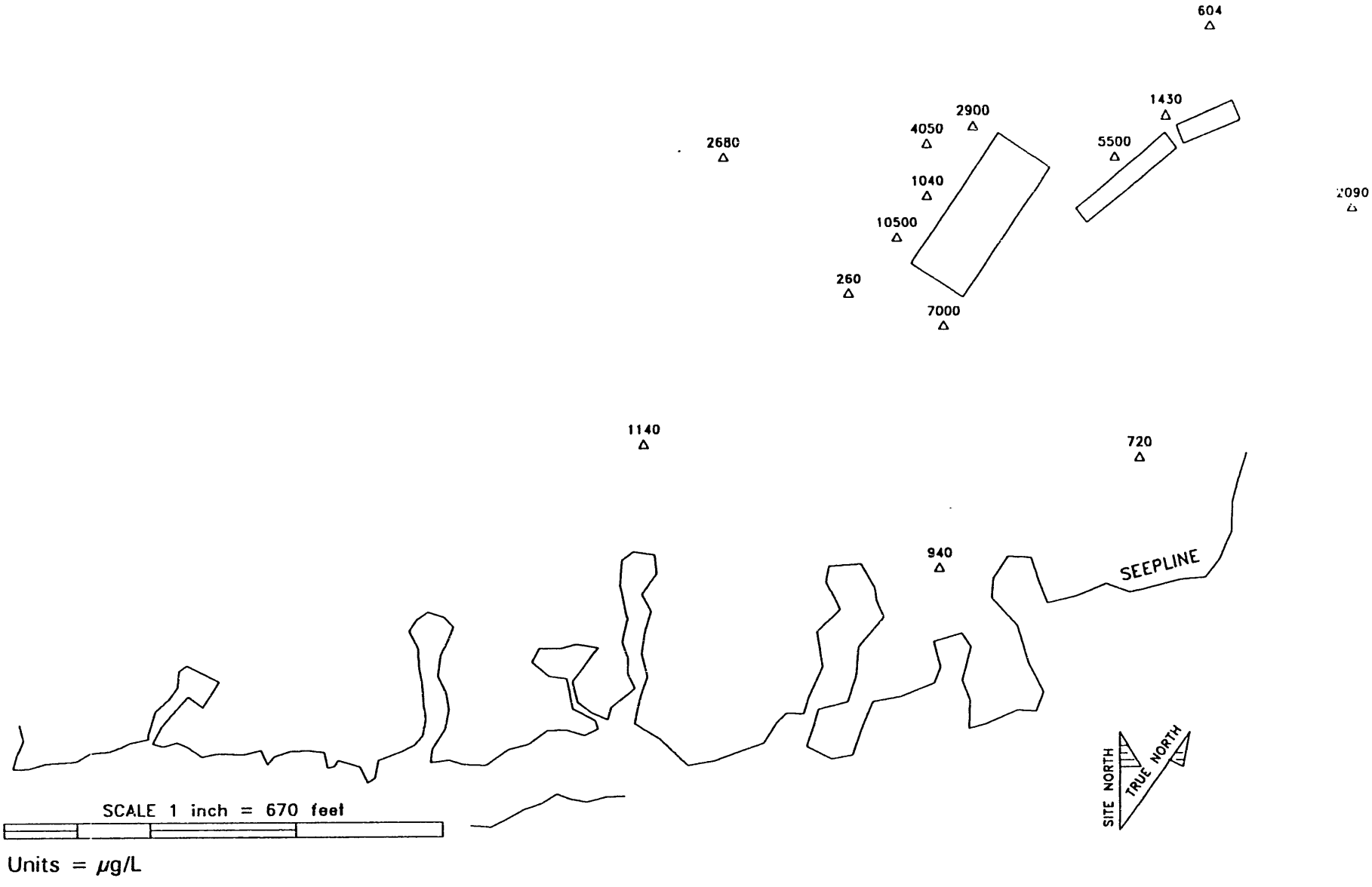


Figure 19. Nitrate Concentrations in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992

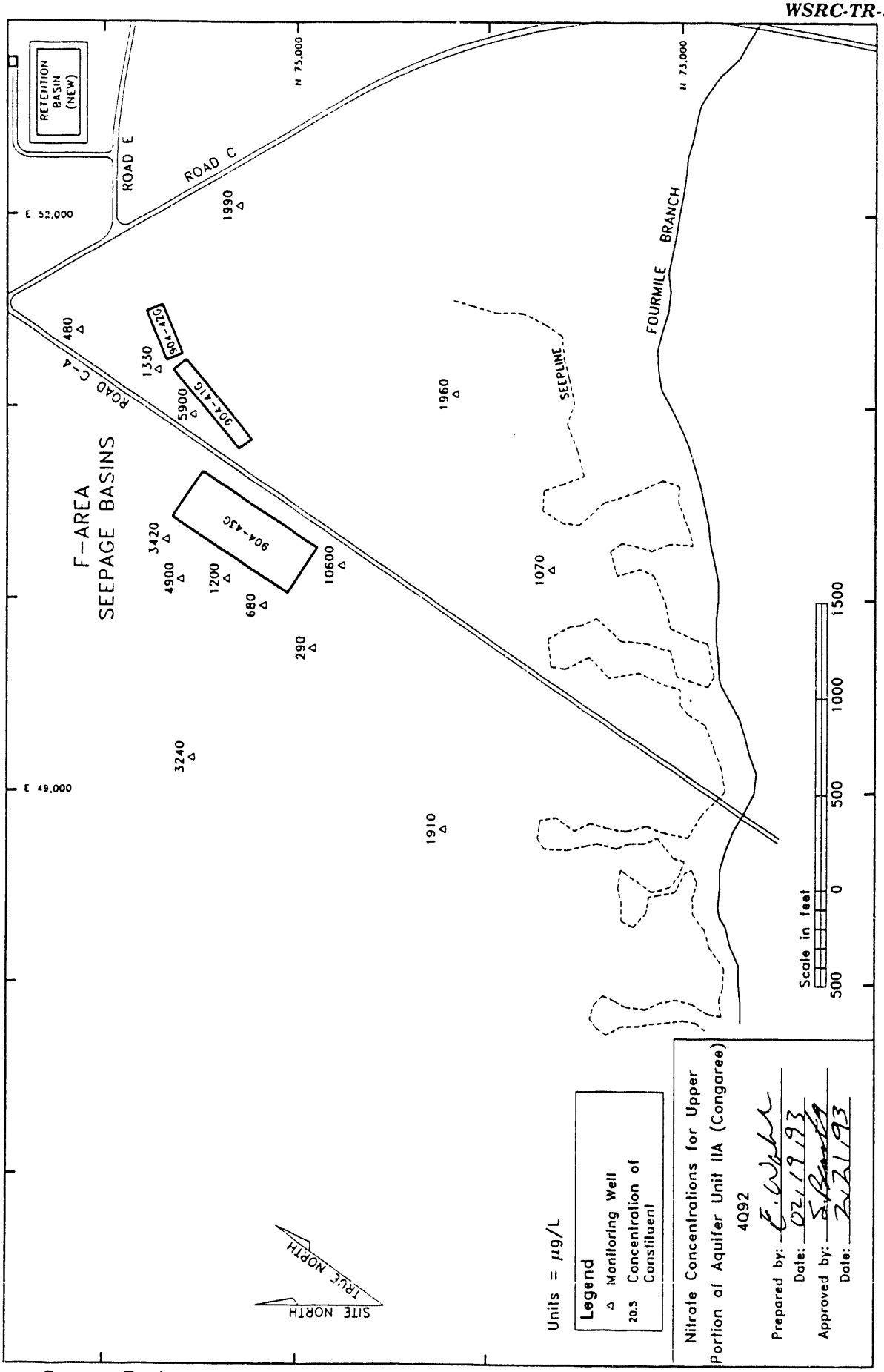


Figure 20. Nitrate Concentrations in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

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

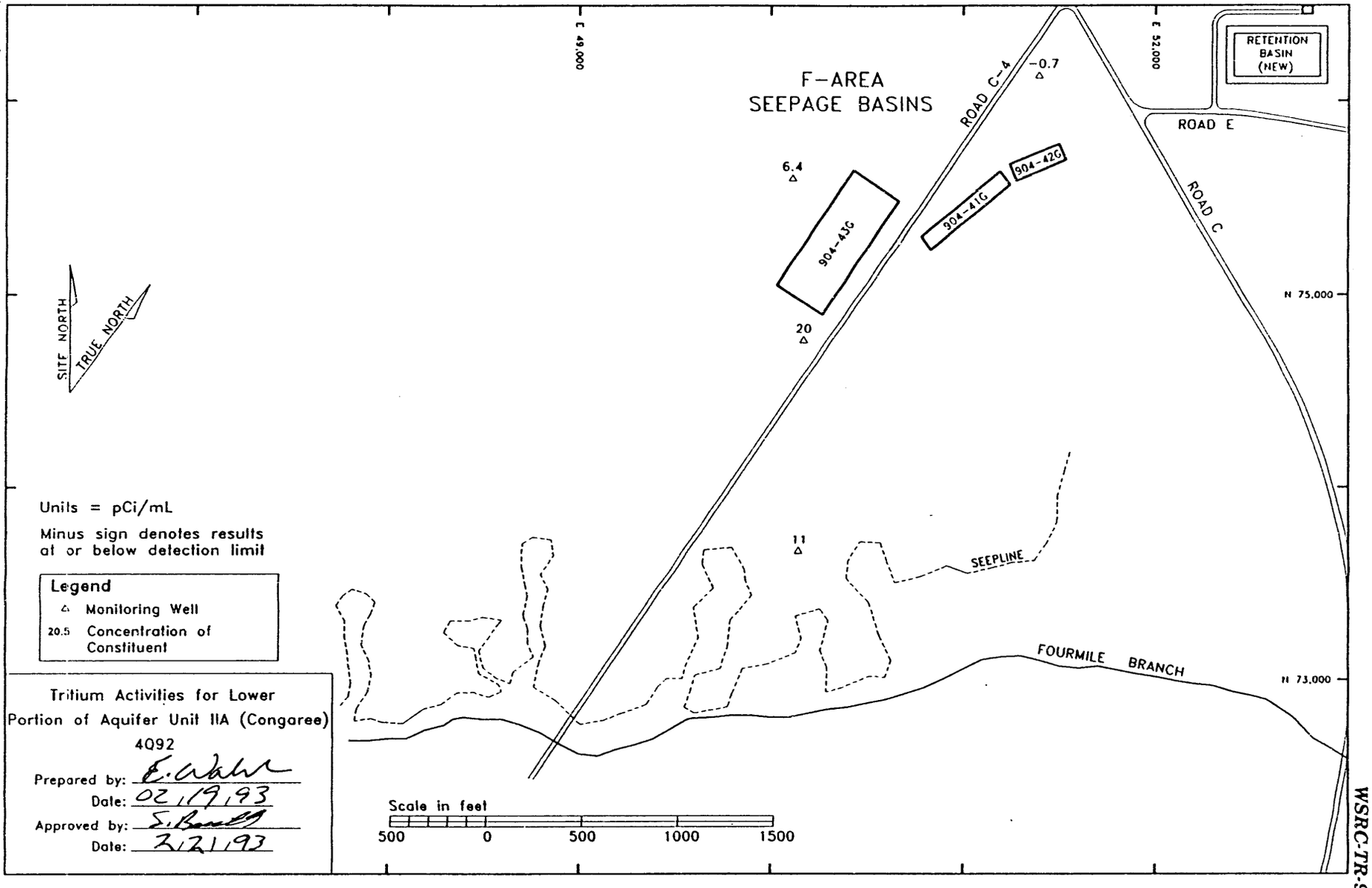


Figure 22. Tritium Activities in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

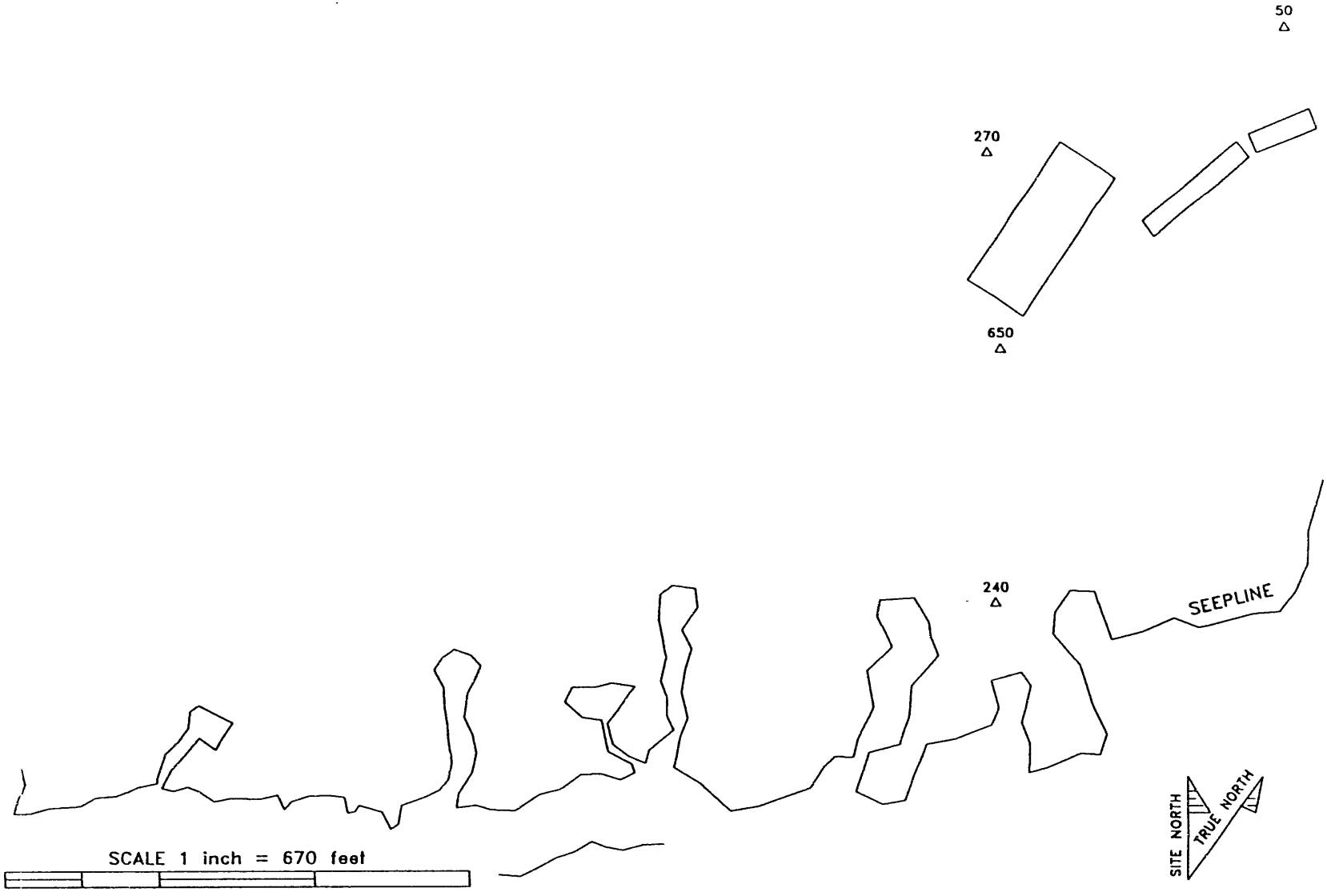


Figure 23. Nitrate Concentrations in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992

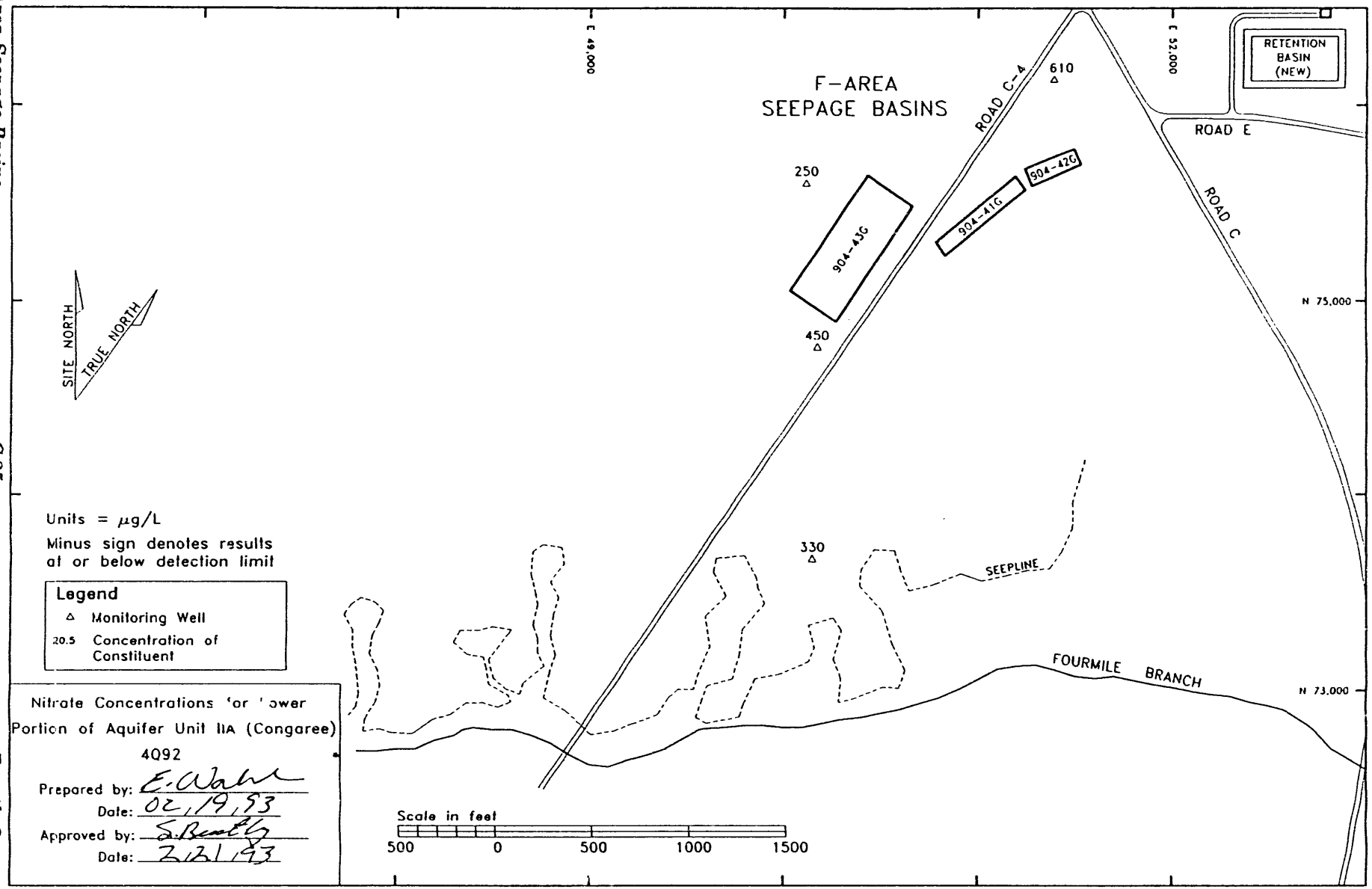
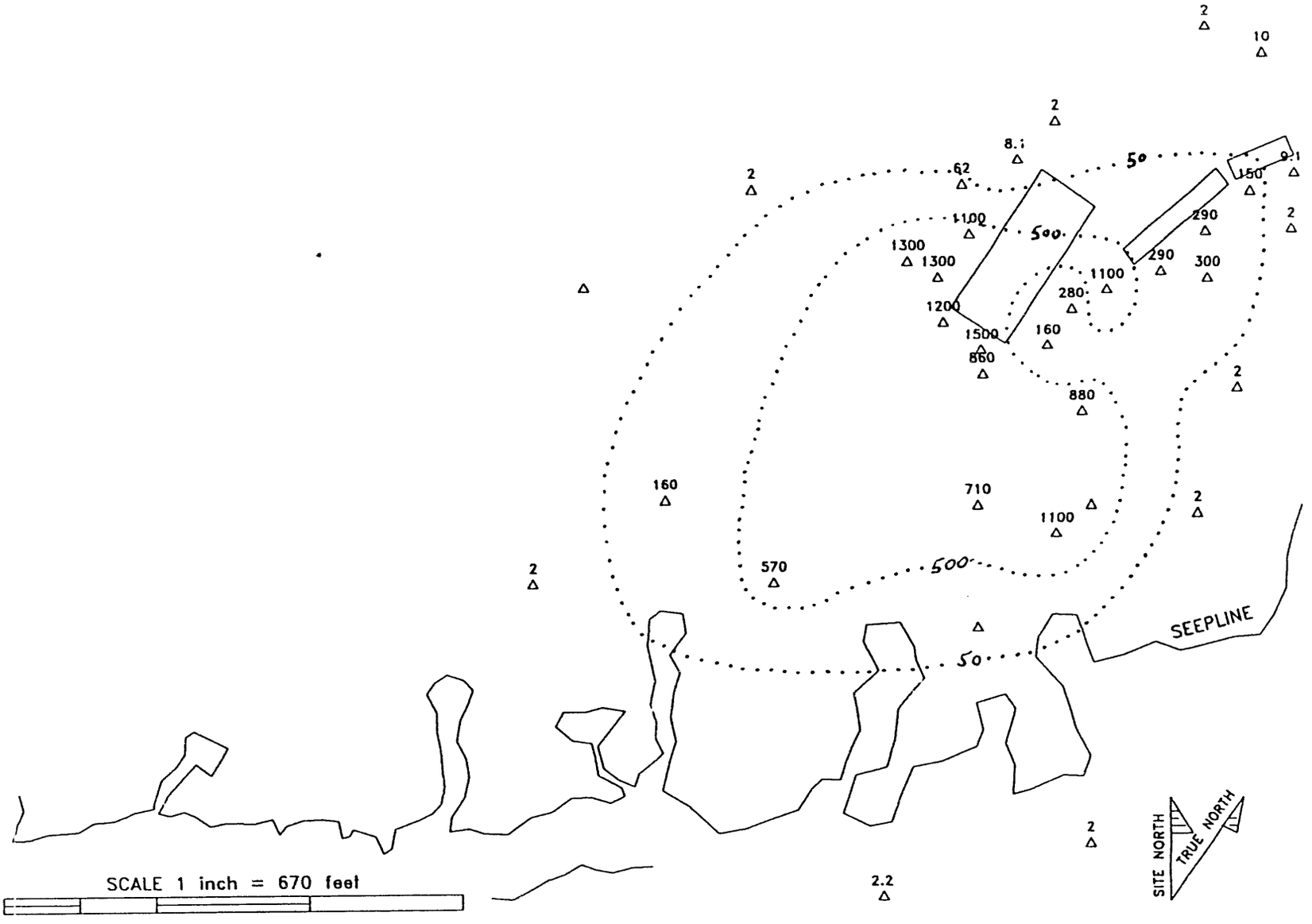


Figure 24. Nitrate Concentrations in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992



Posted value of 2 indicates detection limit

Units = pCi/L

Figure 25. Gross Alpha Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992

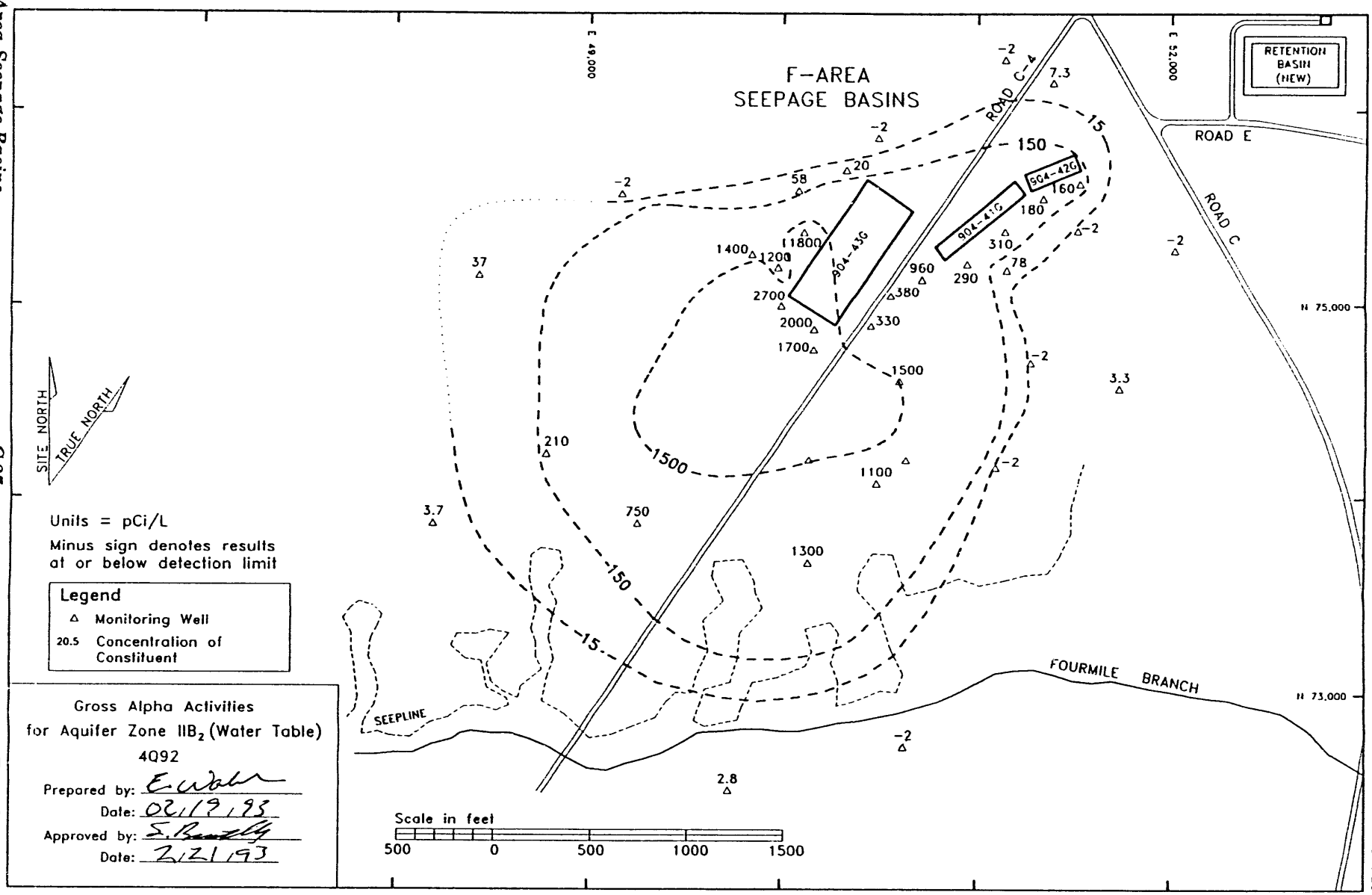
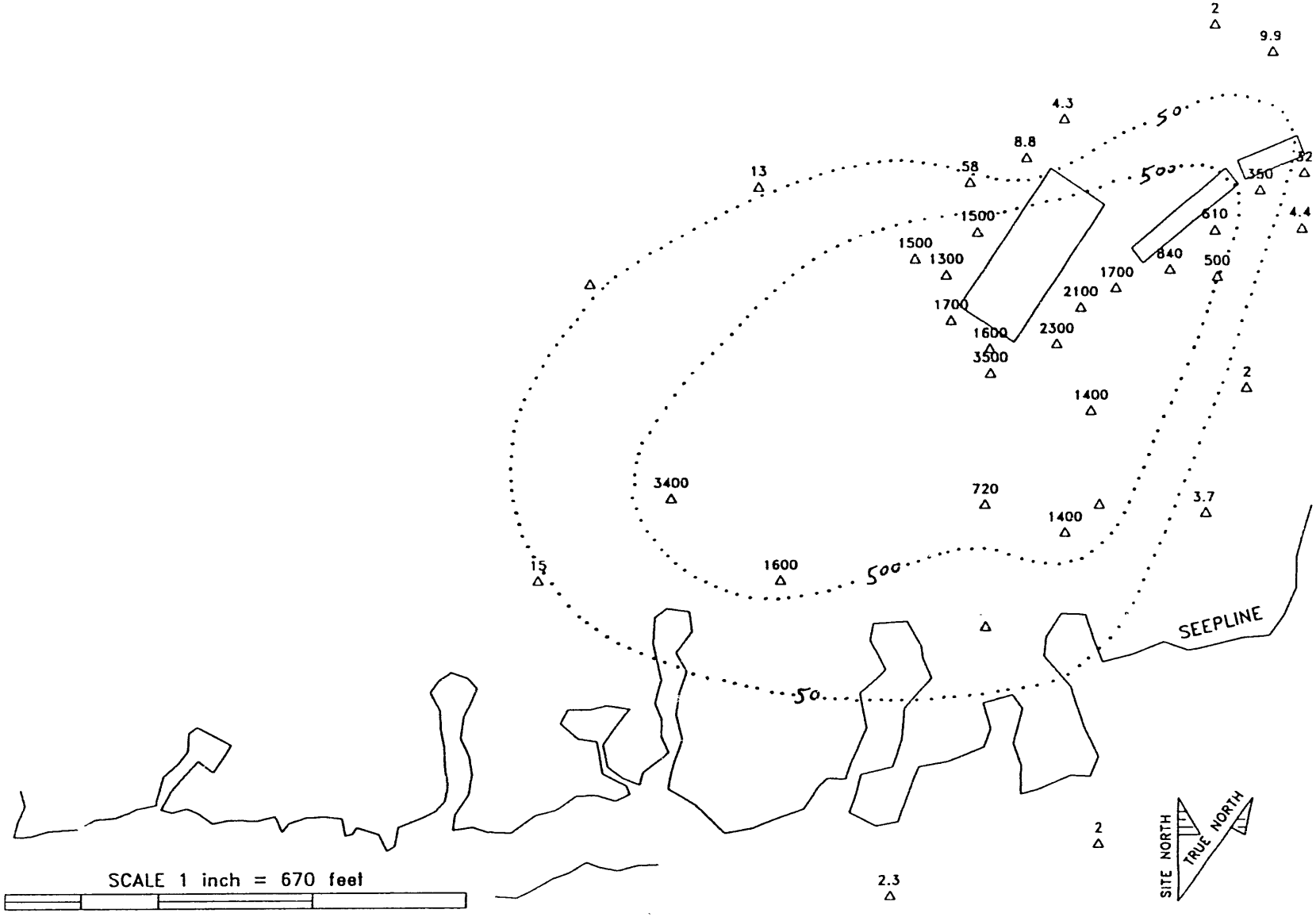


Figure 26. Gross Alpha Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992



Posted value of 2 indicates detection limit

Units = pCi/L

Figure 27. Nonvolatile Beta Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992

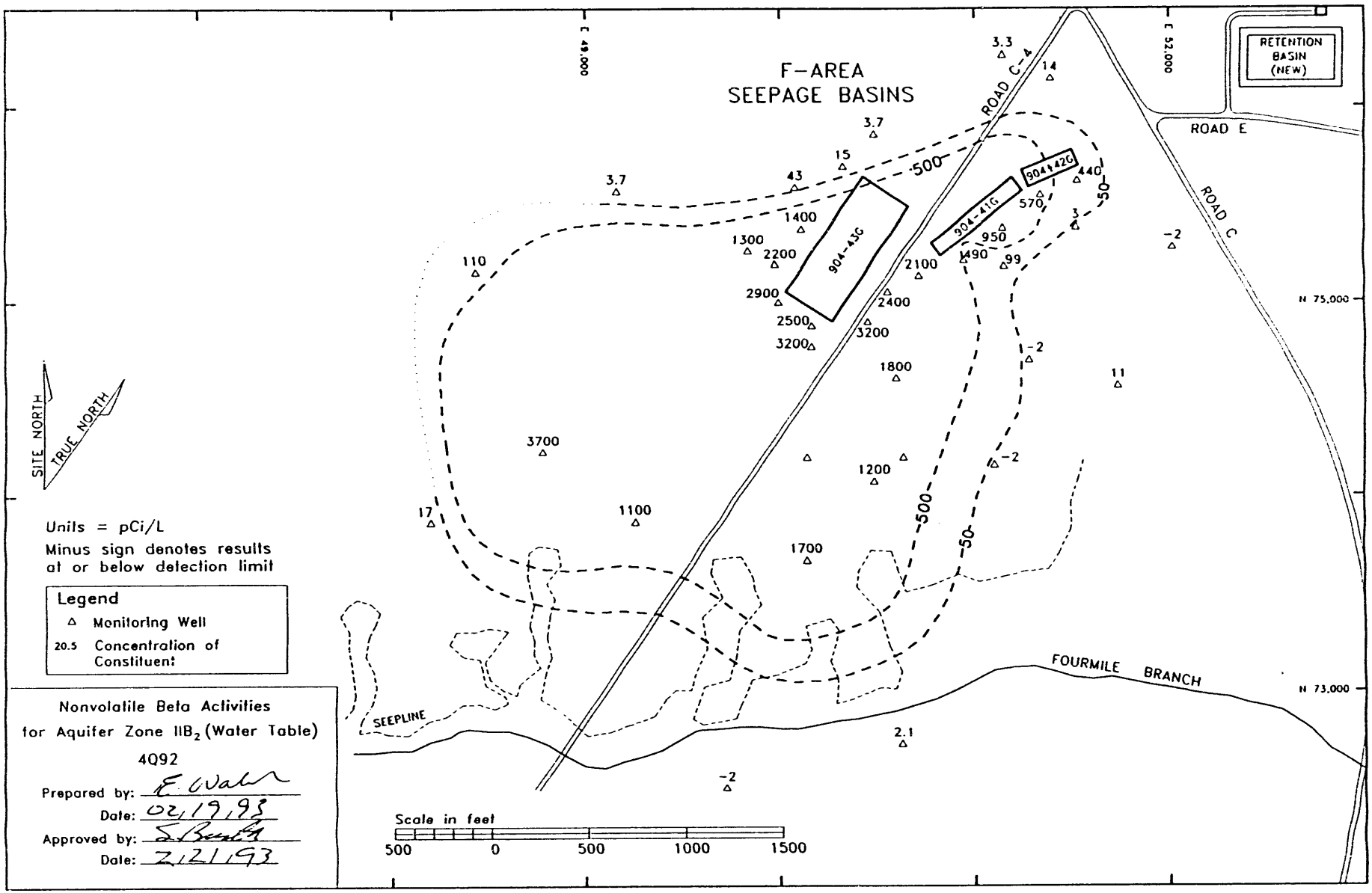
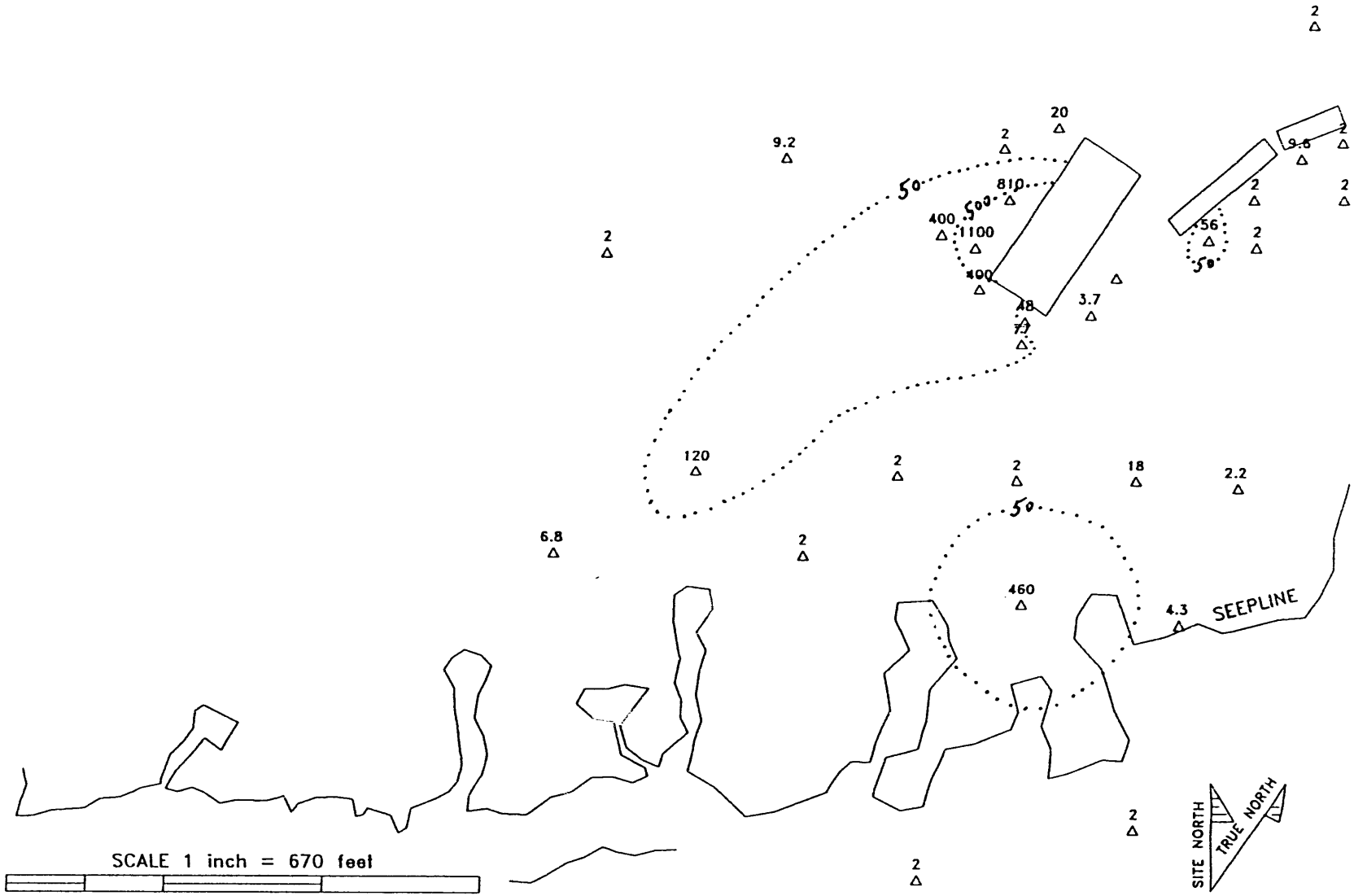


Figure 28. Nonvolatile Beta Activities in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992



Posted value of 2 indicates detection limit

Units = pCi/L

Figure 29. Gross Alpha Activities in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992

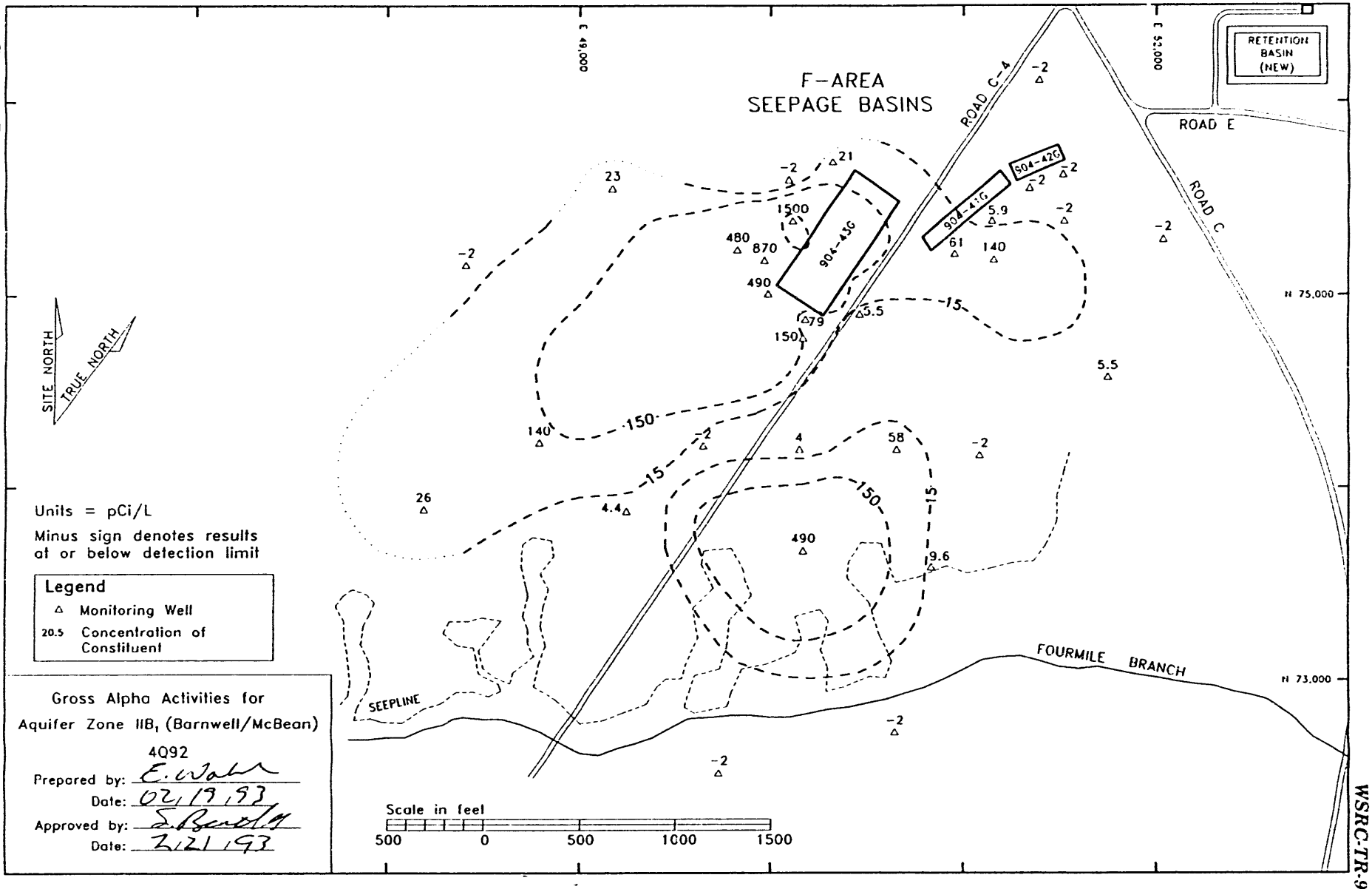
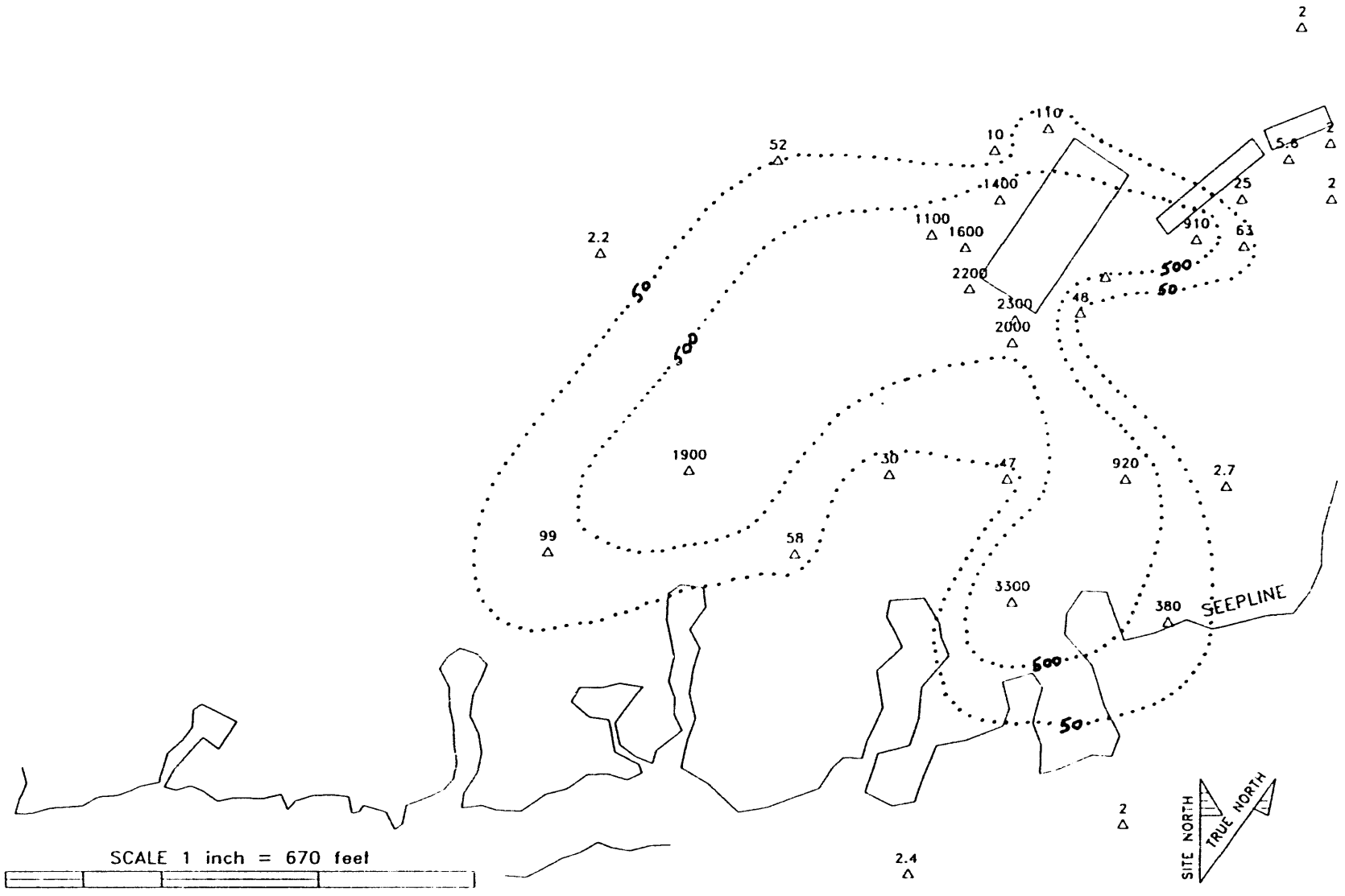


Figure 30. Gross Alpha Activities in Aquifer Zone IIB$_1$ (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992



Posted value of 2 indicates detection limit

Units = pCi/L

Figure 31. Nonvolatile Beta Activities in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992

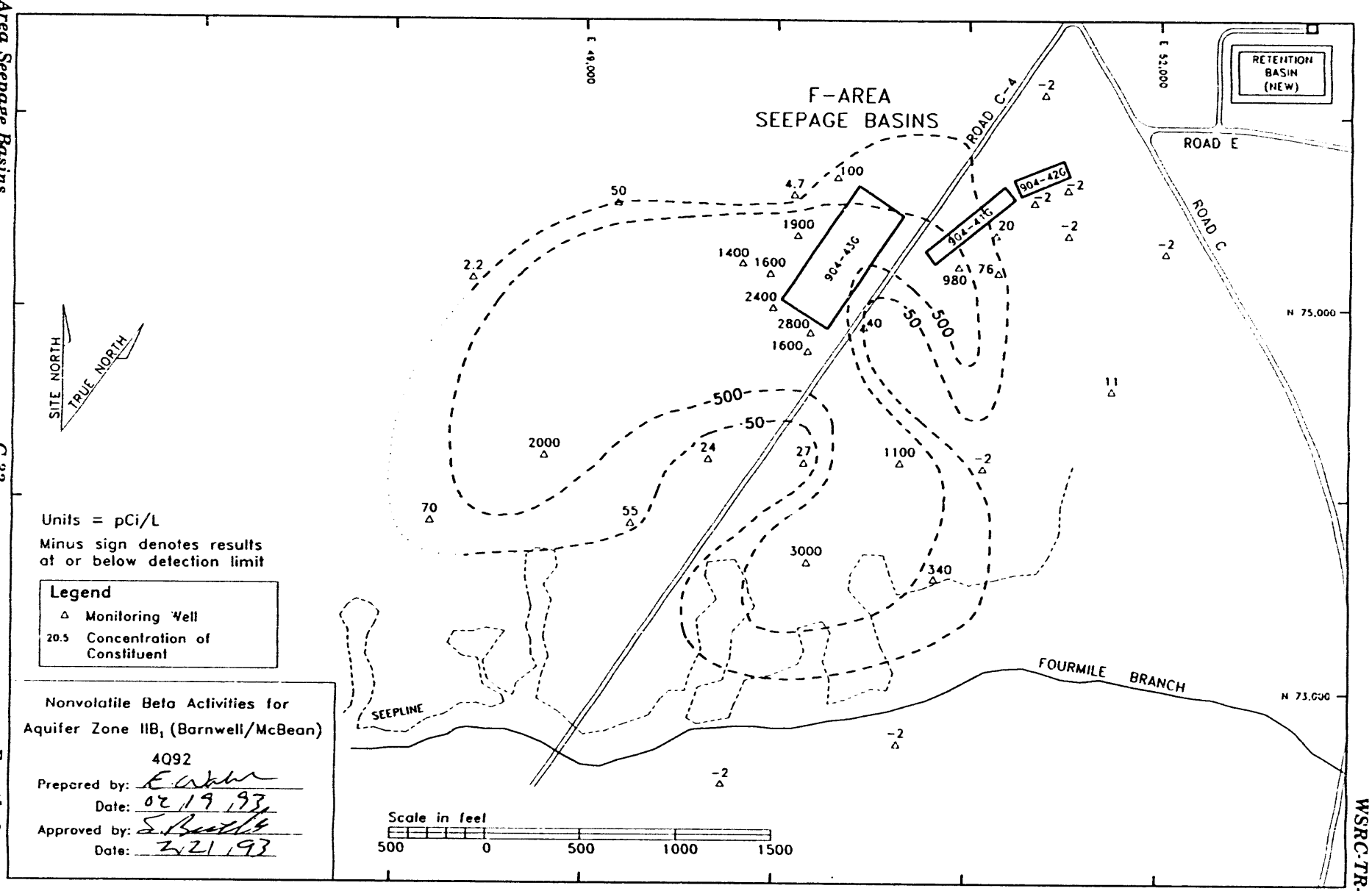
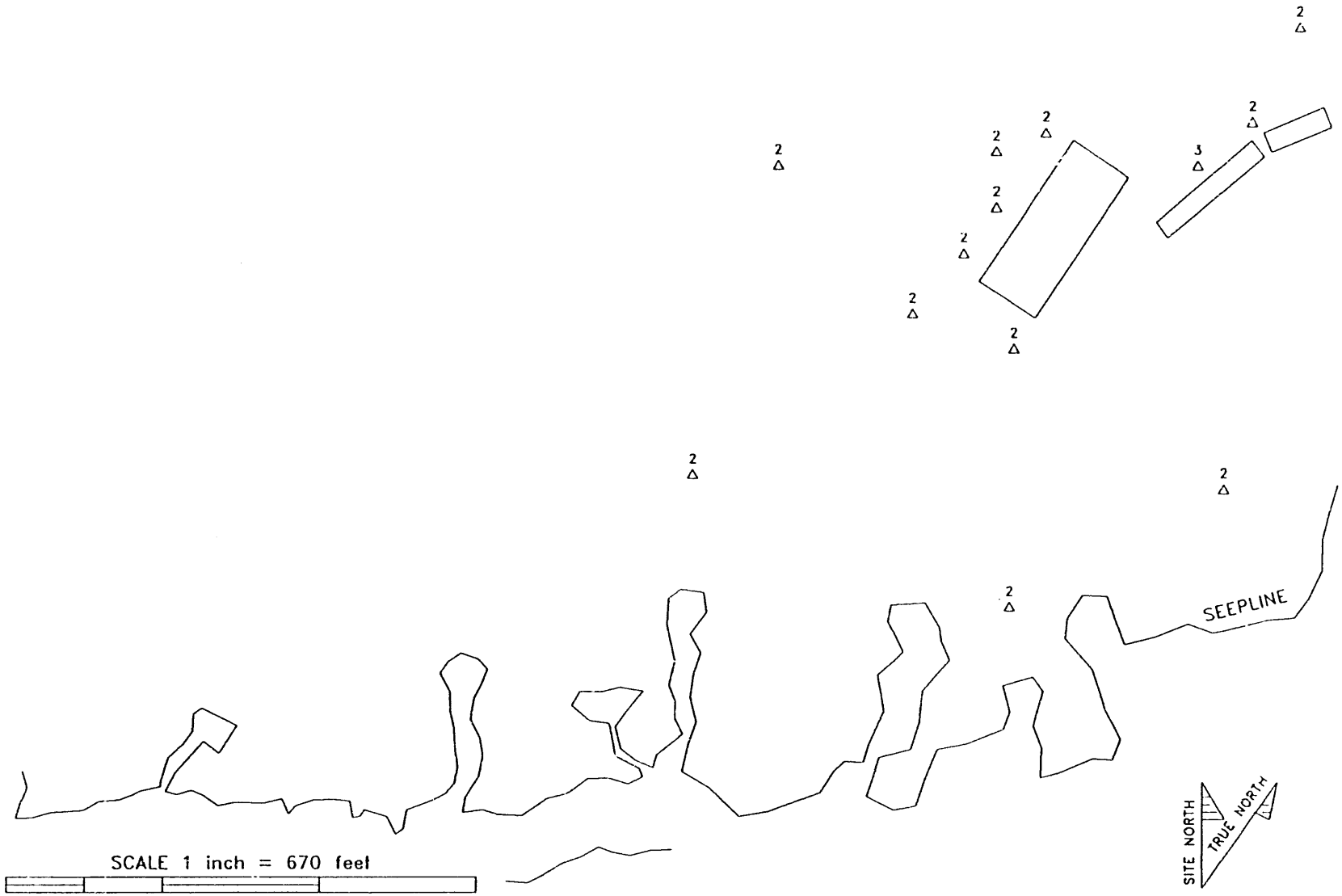


Figure 32. Nonvolatile Beta Activities in Aquifer Zone IIB$_1$ (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992



Posted value of 2 indicates detection limit

Units = pCi/L

Figure 33. Gross Alpha Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992

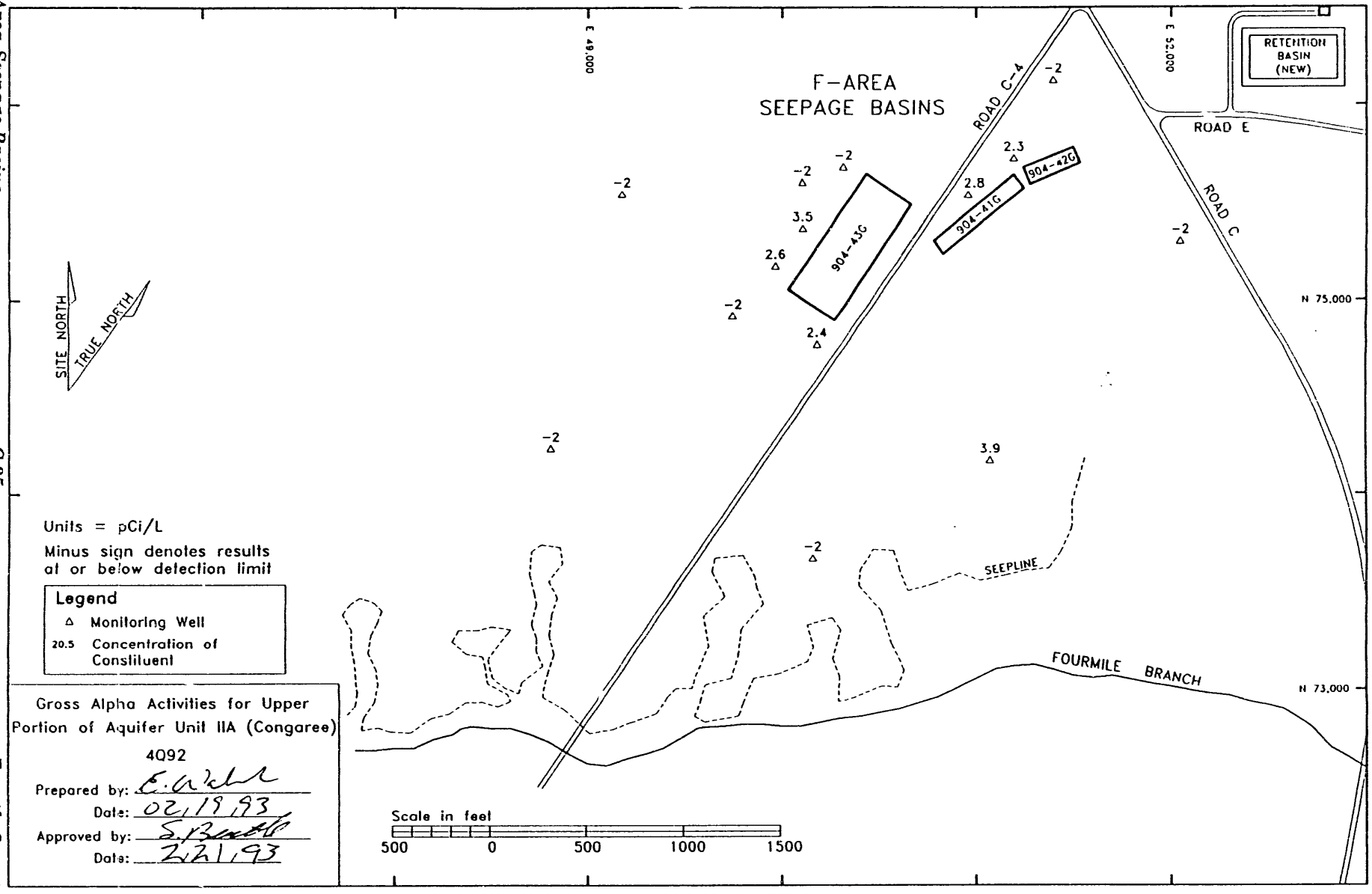
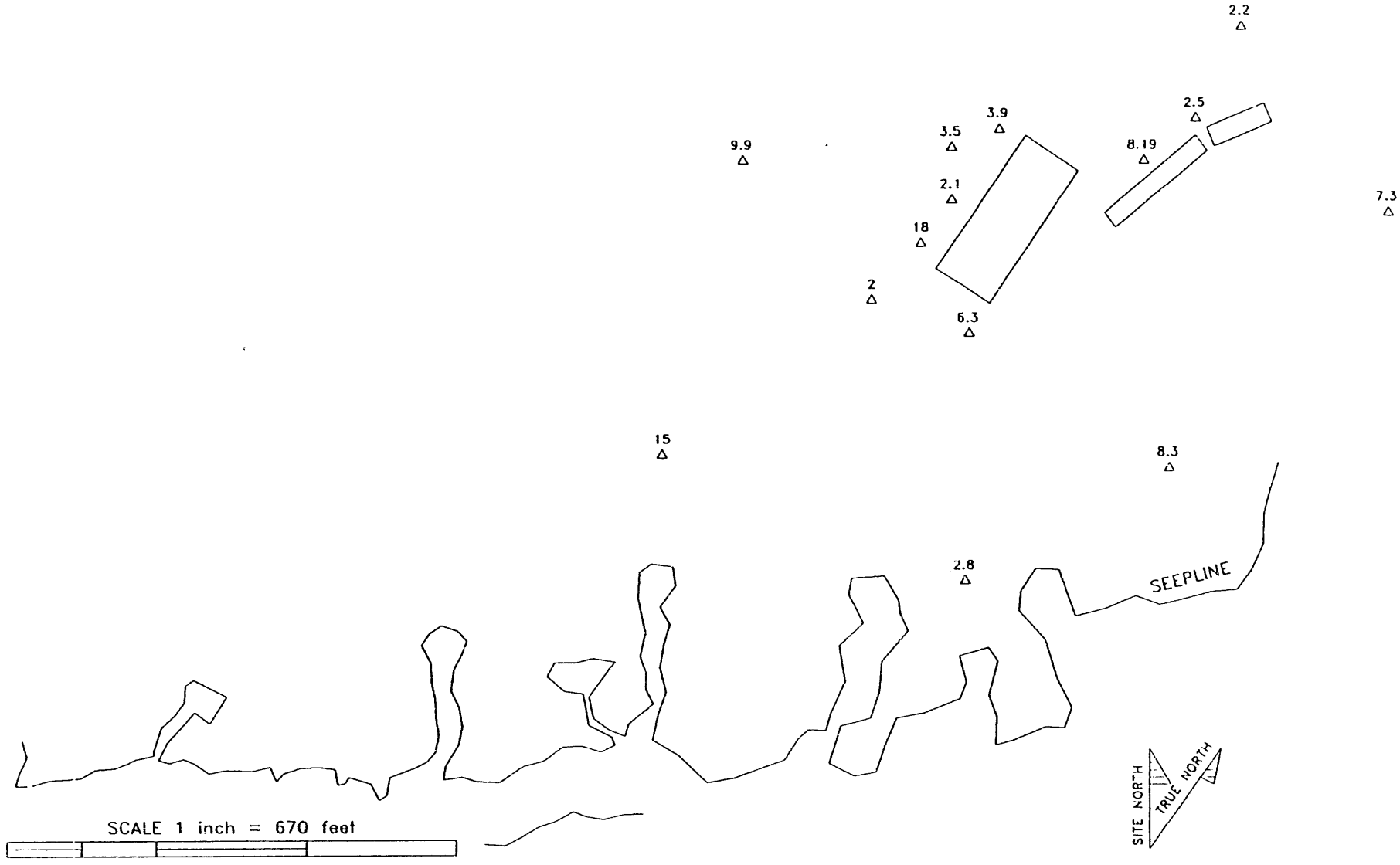


Figure 34. Gross Alpha Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992



Posted value of 2 indicates detection limit

Units = pCi/L

Figure 35. Nonvolatile Beta Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992

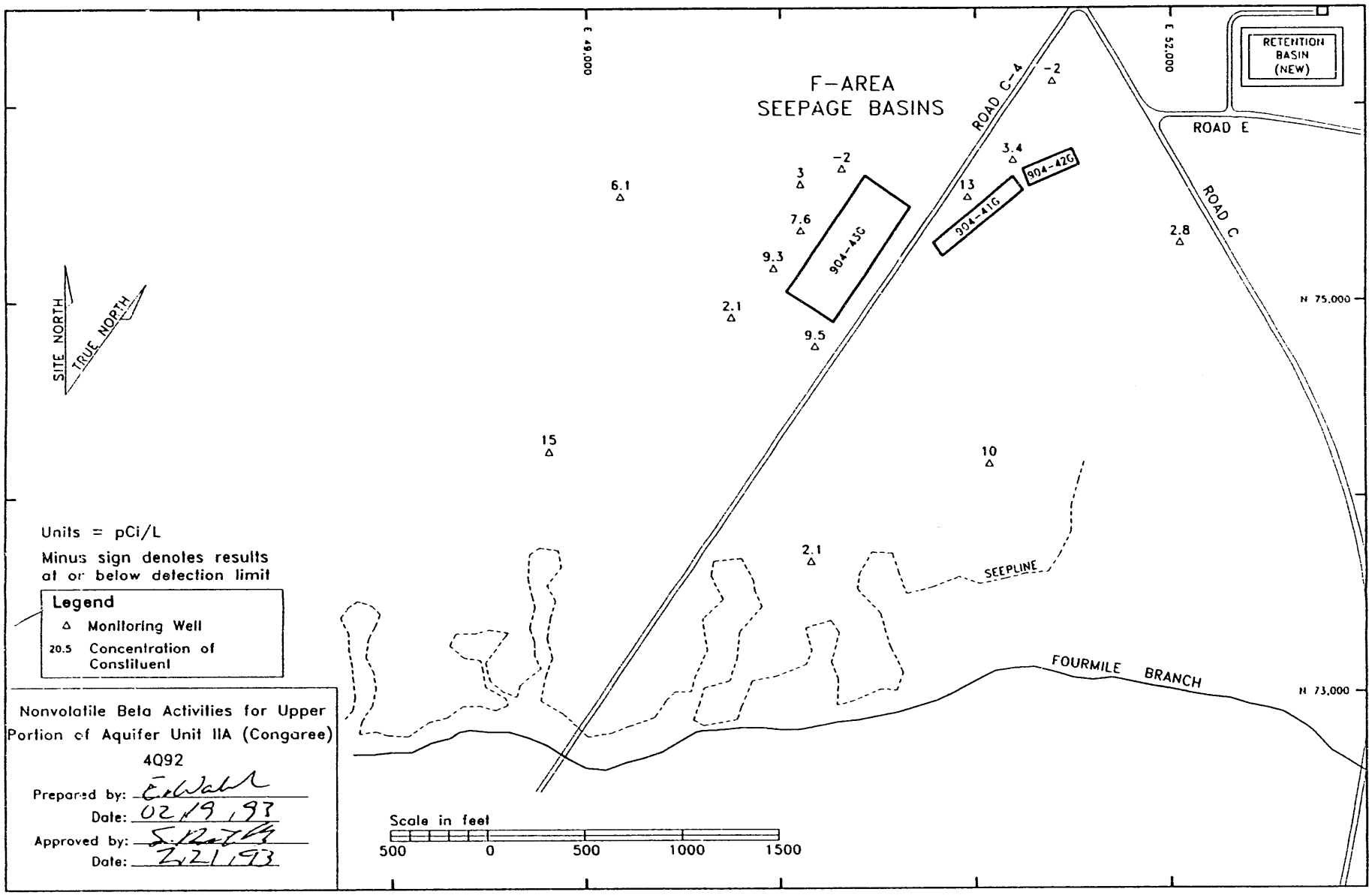


Figure 36. Nonvolatile Beta Activities in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

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

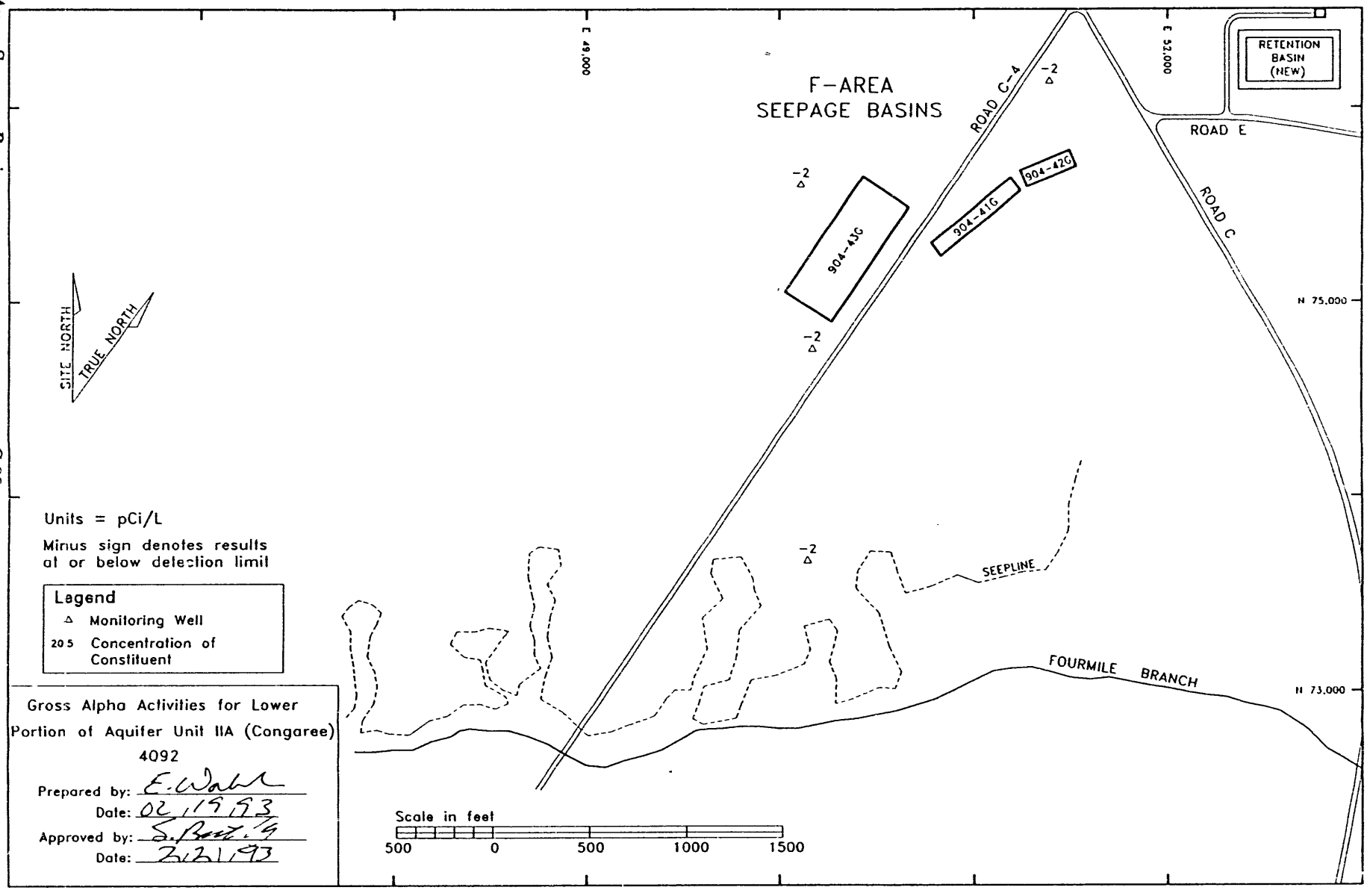


Figure 38. Gross Alpha Activities in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

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

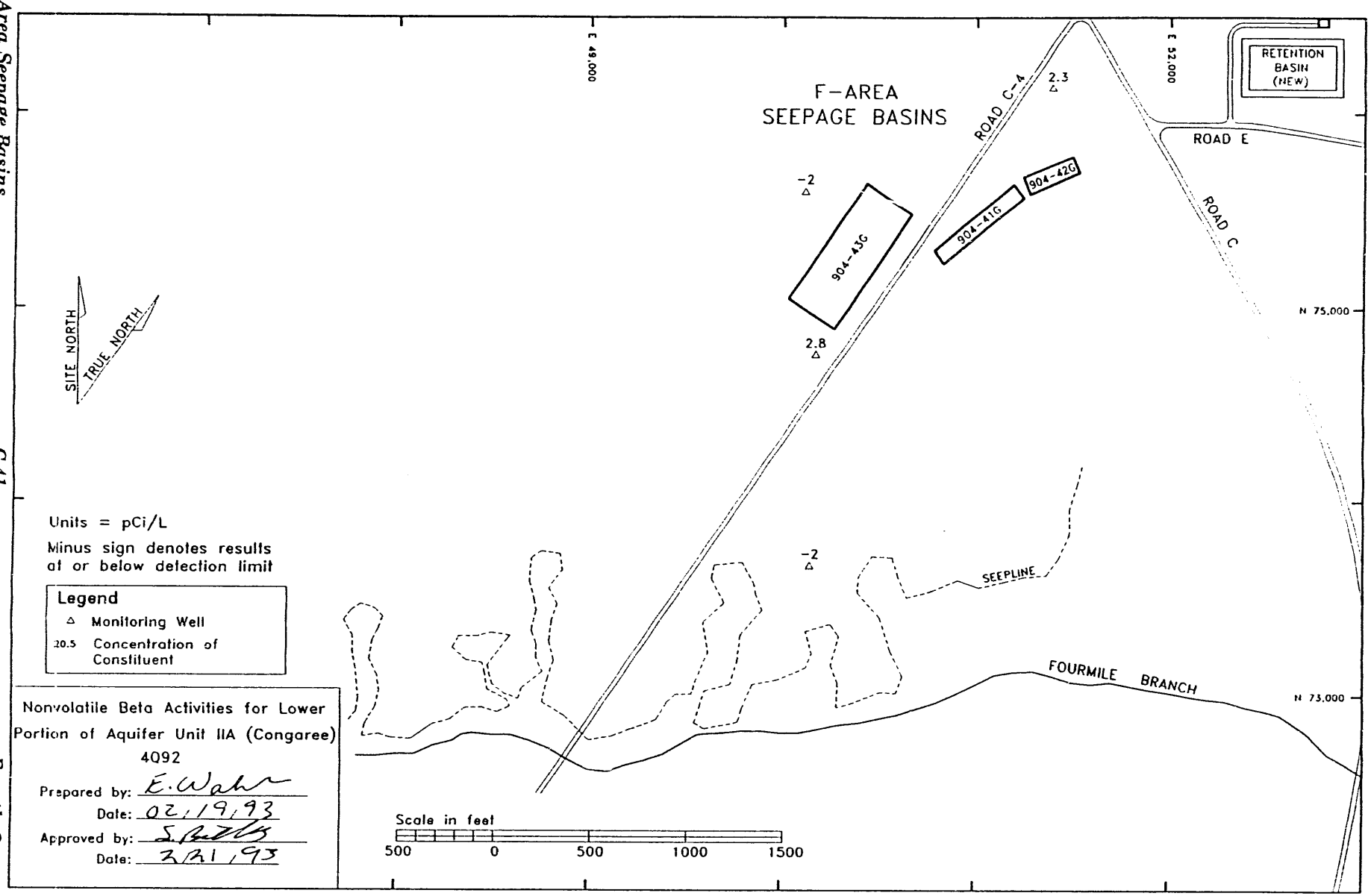


Figure 40. Nonvolatile Beta Activities in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

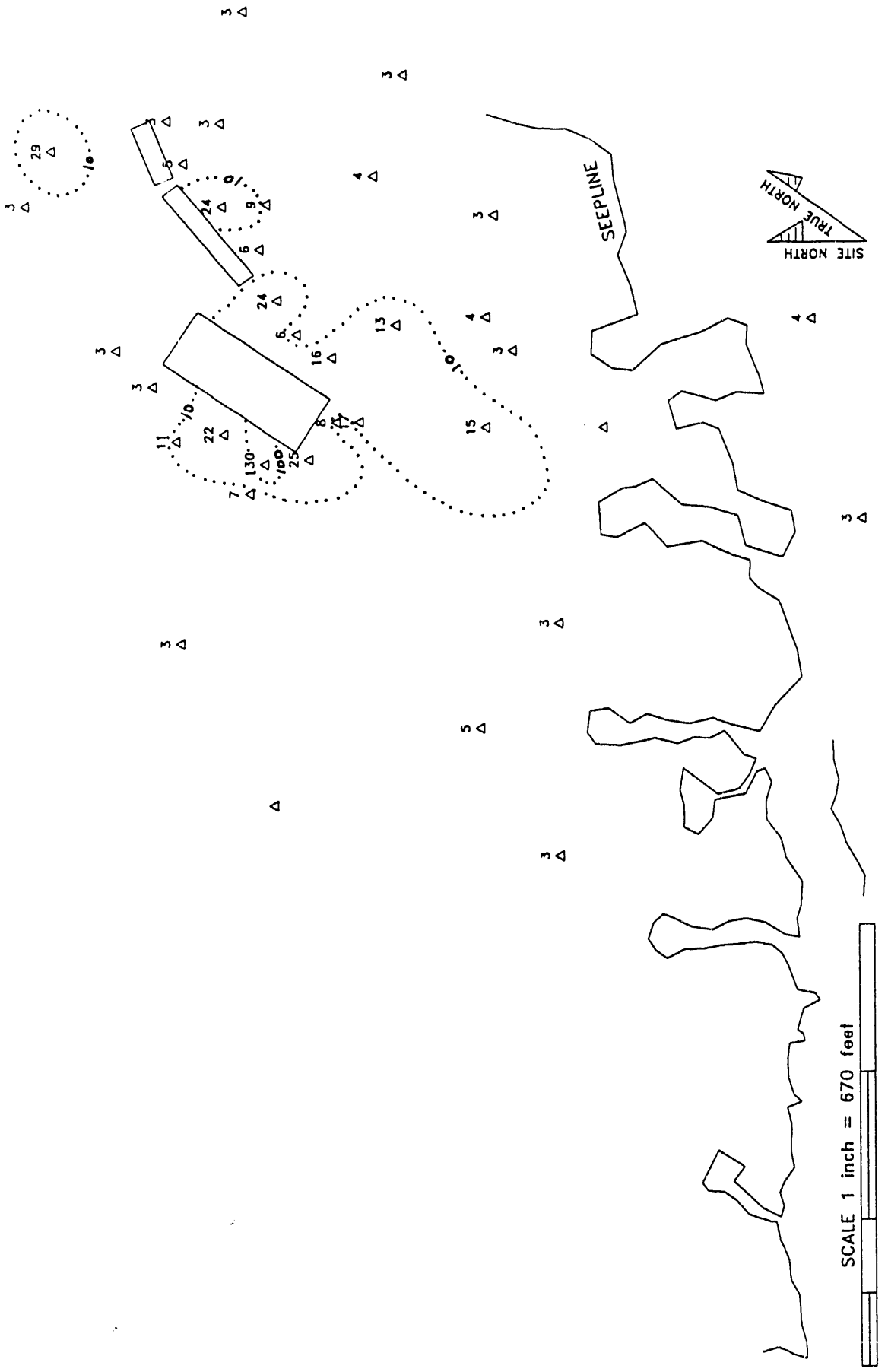


Figure 41. Lead Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992

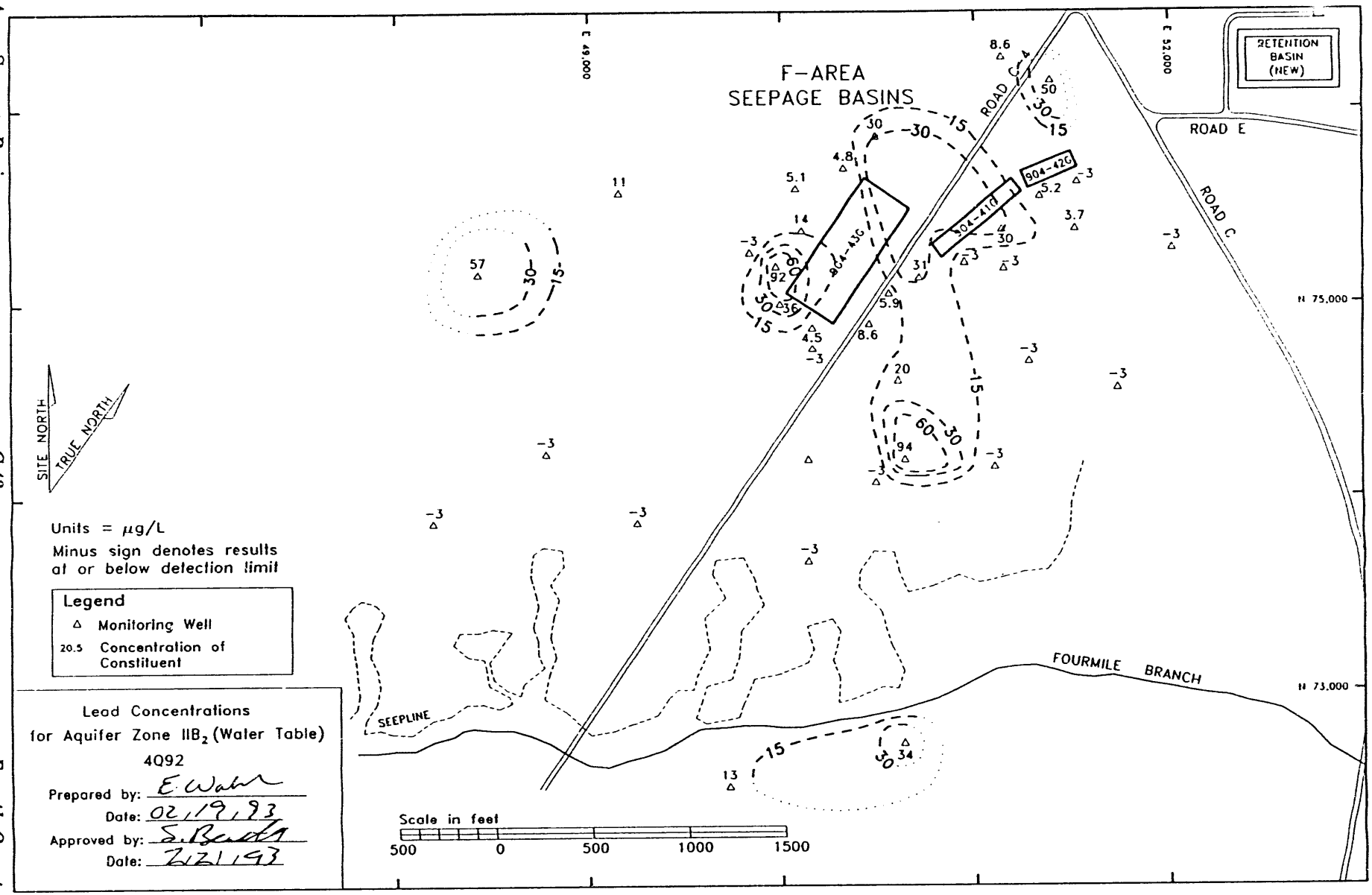


Figure 42. Lead Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992

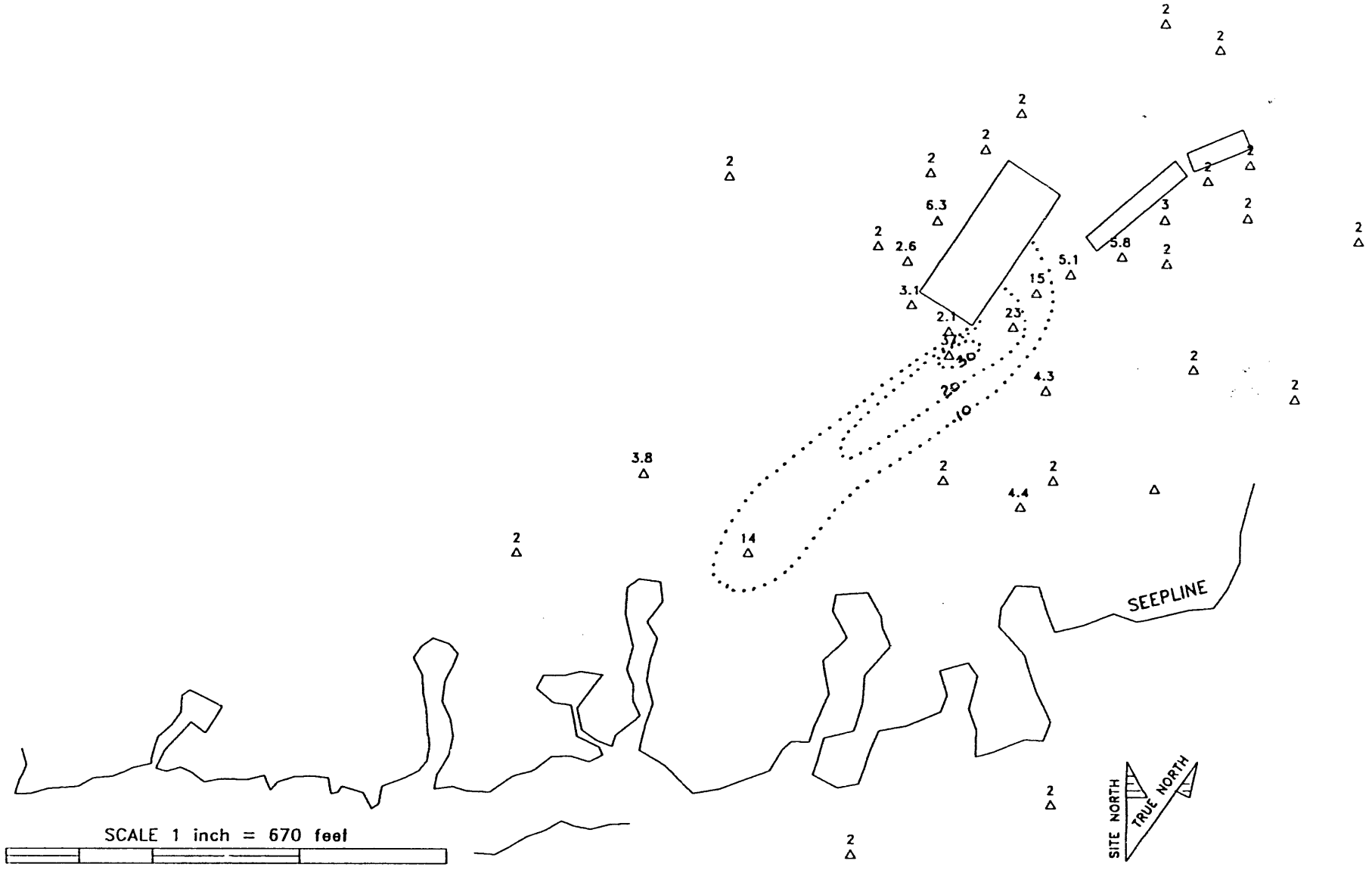


Figure 43. Cadmium Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, First Quarter 1992

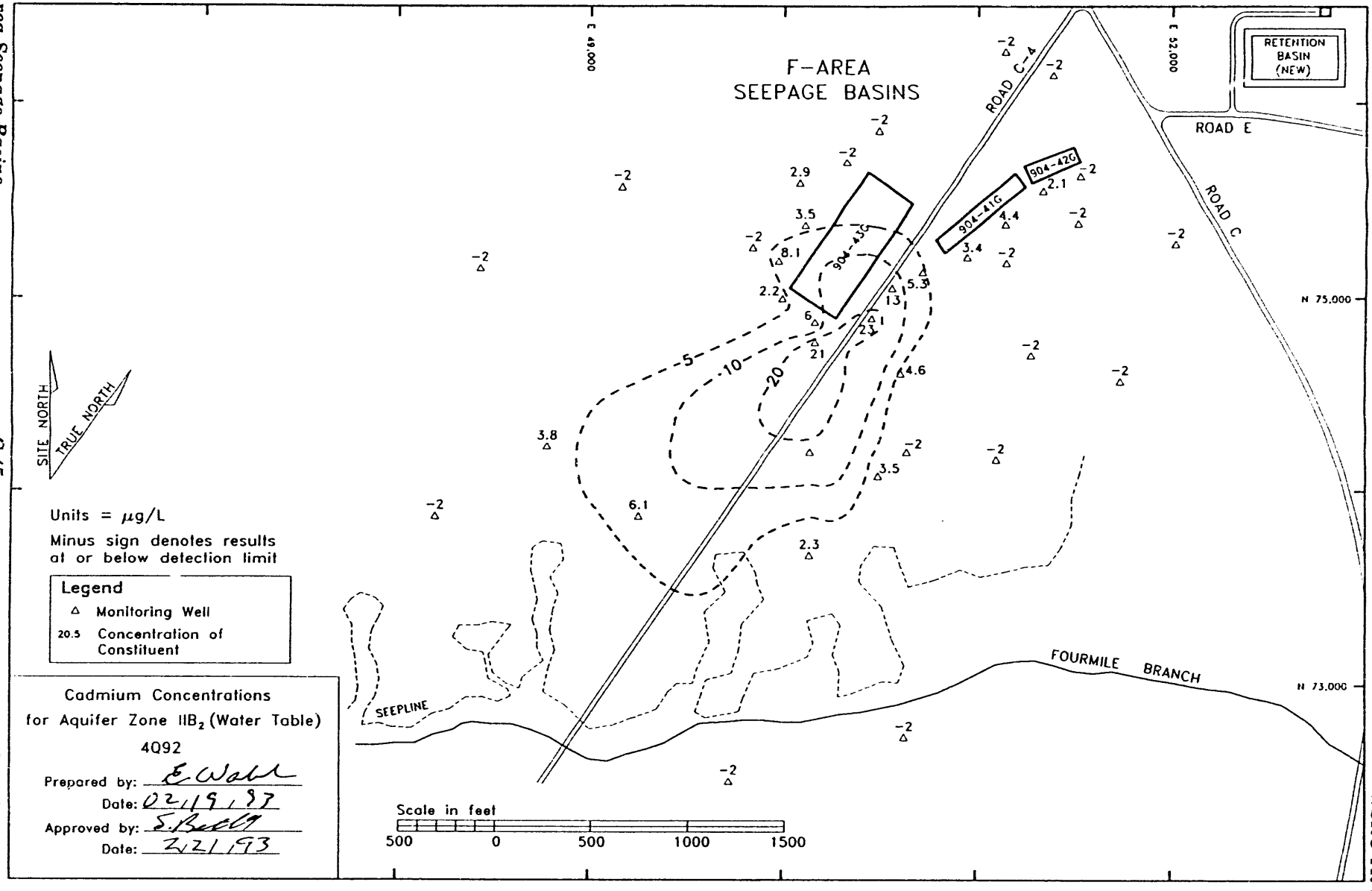
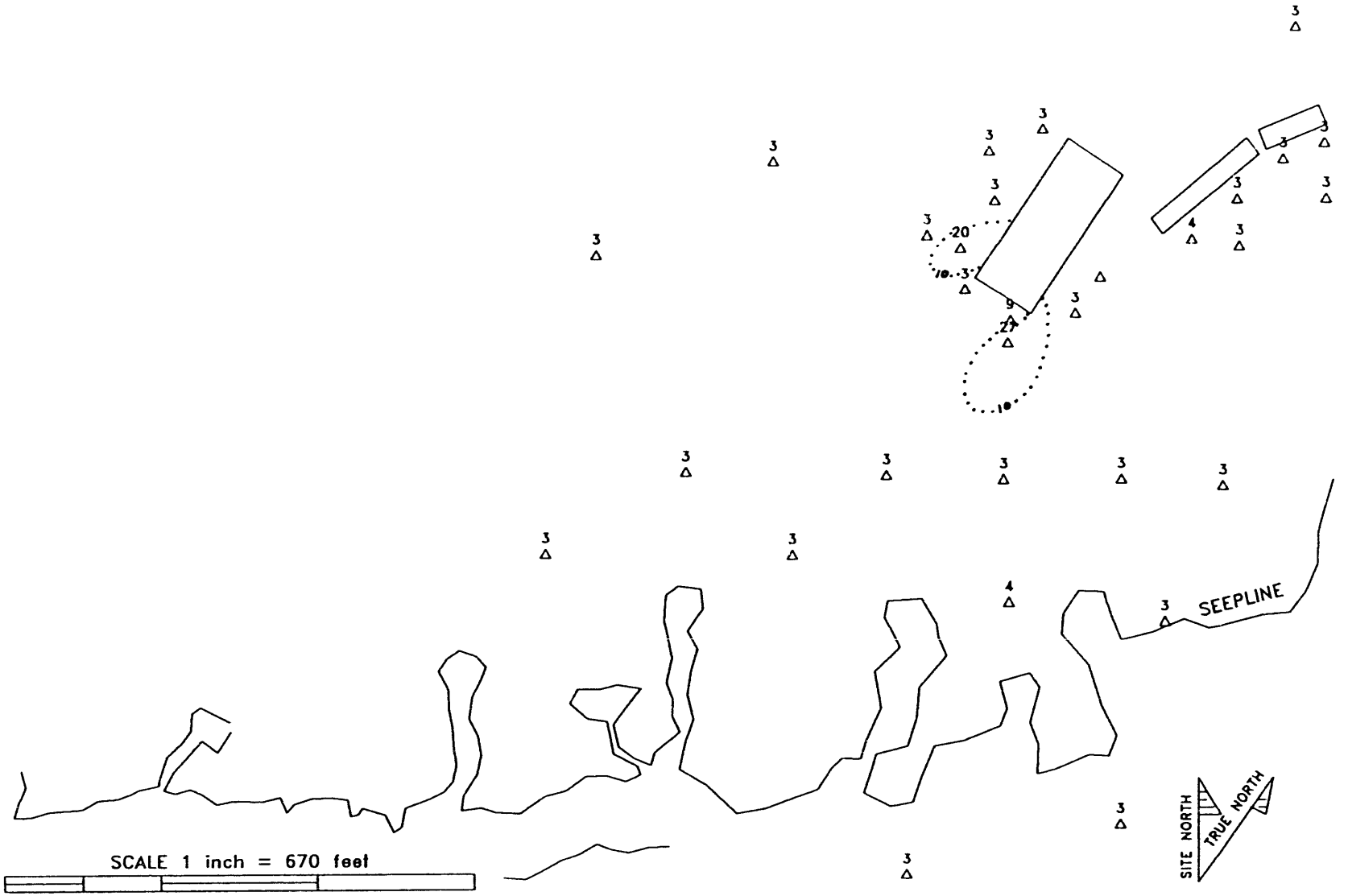


Figure 44. Cadmium Concentrations in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992



Pos'ed value of 3 indicates detection limit

Units = μg/L

Figure 45. Lead Concentrations in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992

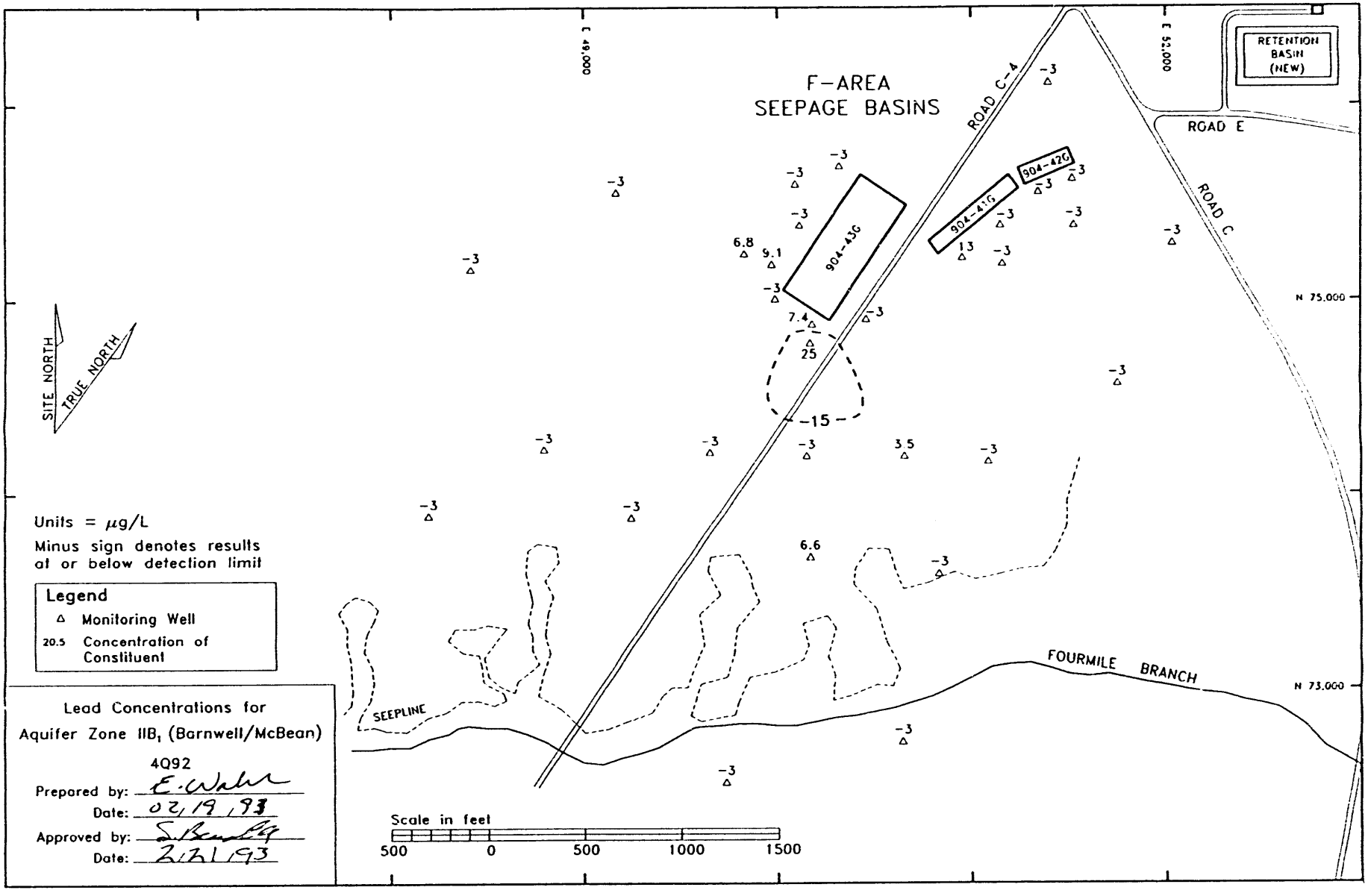
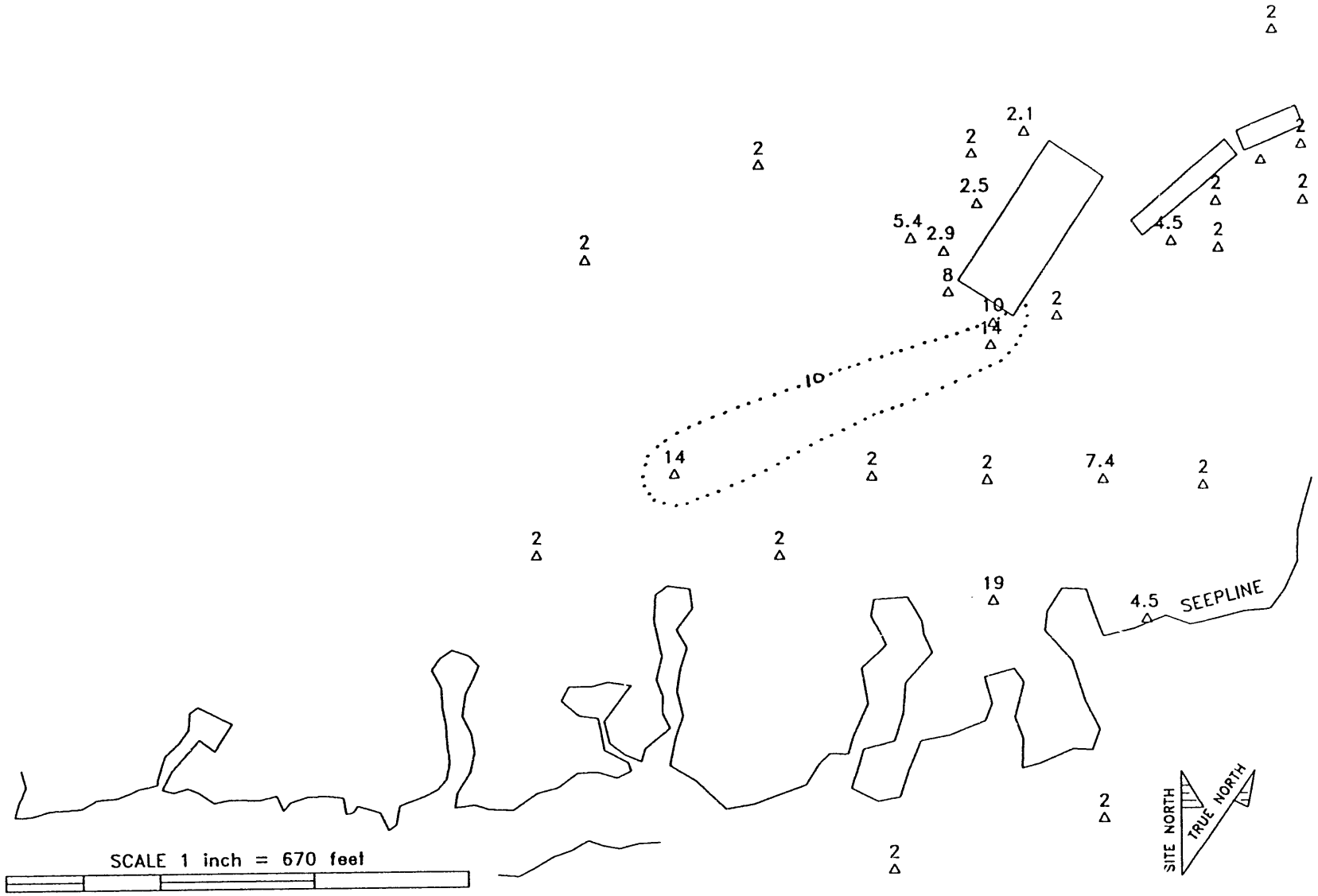


Figure 46. Lead Concentrations in Aquifer Zone IIB$_1$ (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992



Posted value of 2 indicates detection limit

Units = μg/L

Figure 47. Cadmium Concentrations in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, First Quarter 1992

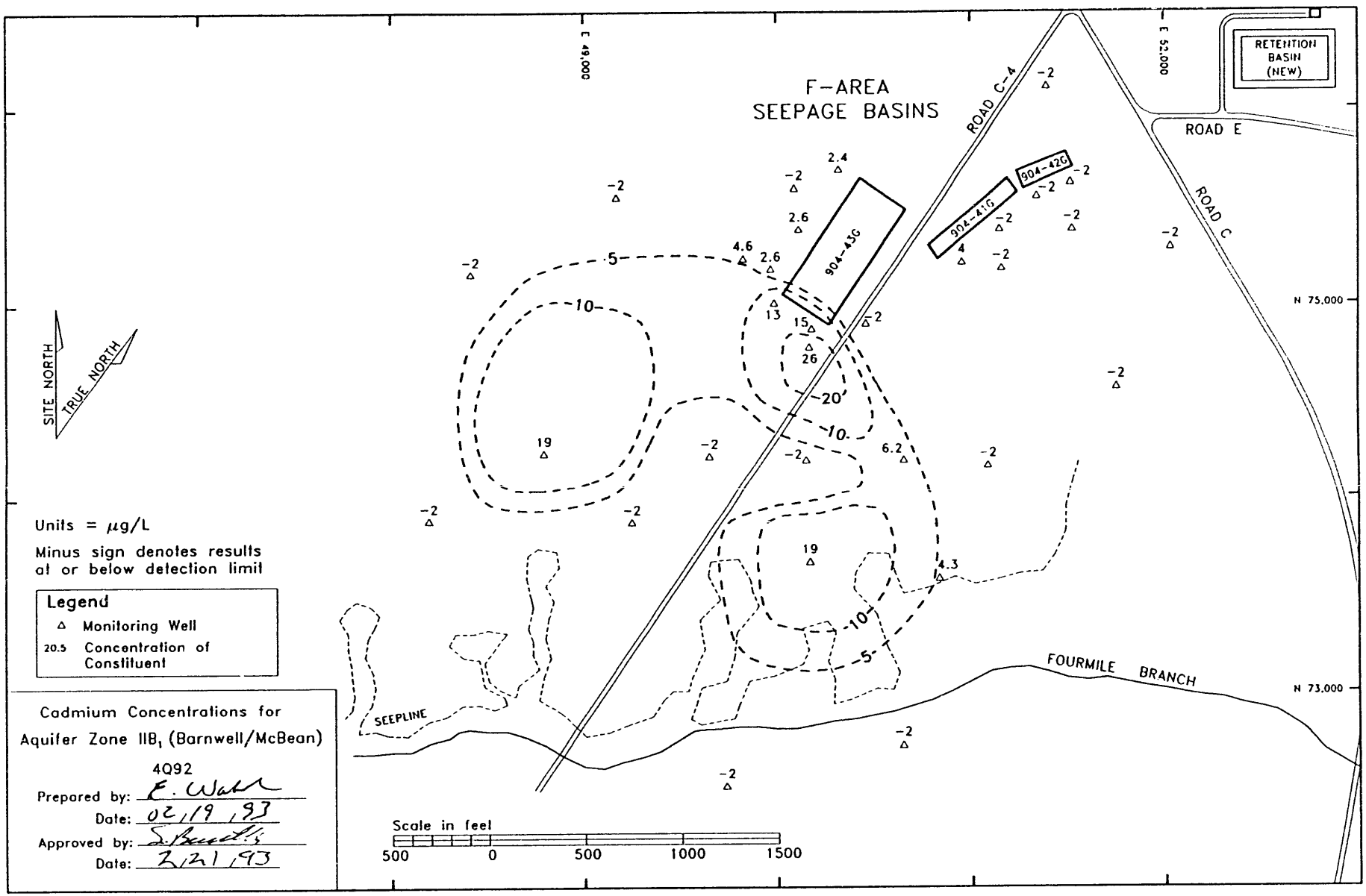


Figure 48. Cadmium Concentrations in Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992

Figure 49. Lead Concentrations in Upper Portion of Aquifer Zone IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992

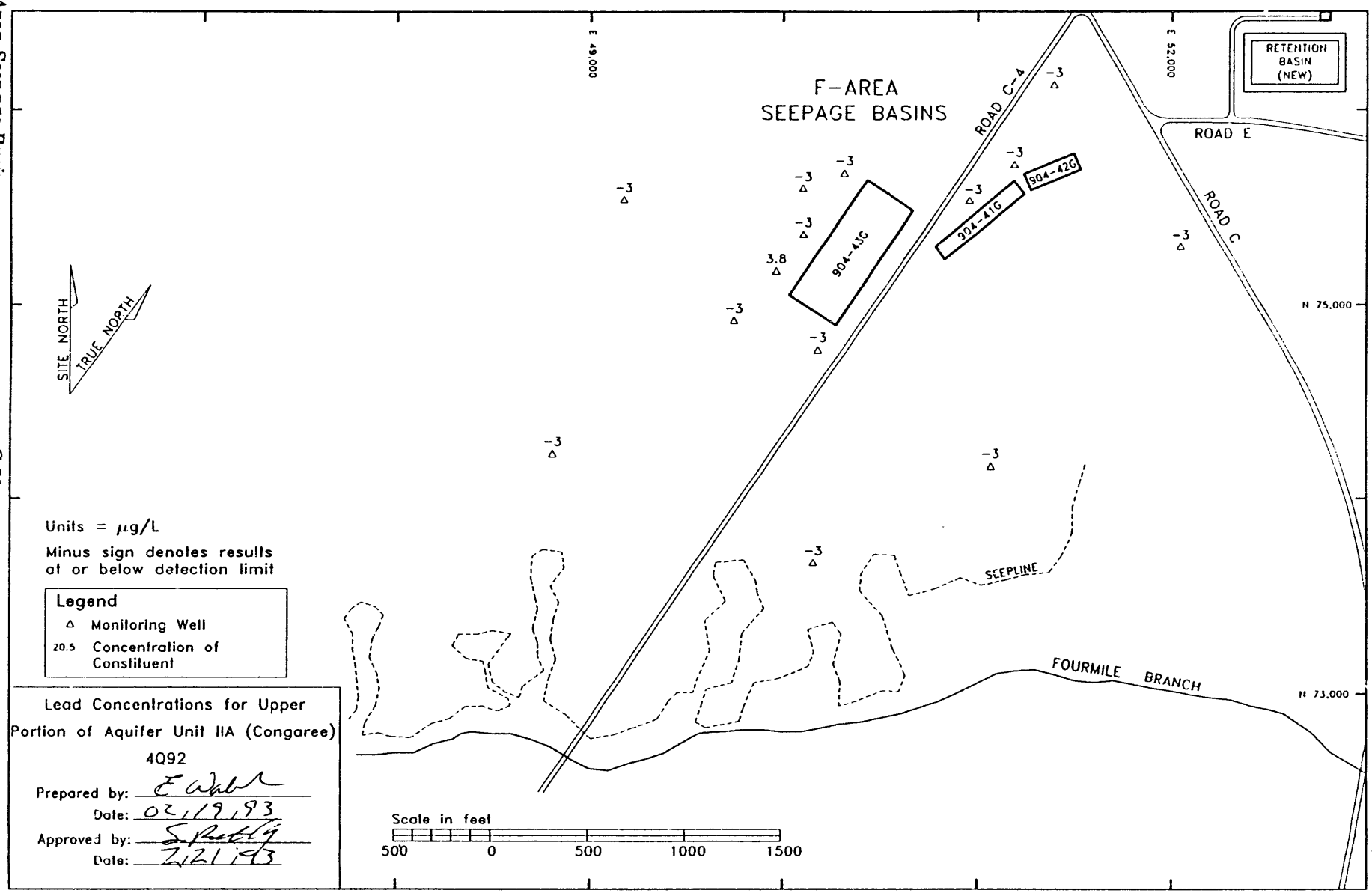


Figure 50. Lead Concentrations in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

Figure 51. Cadmium Concentrations in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992

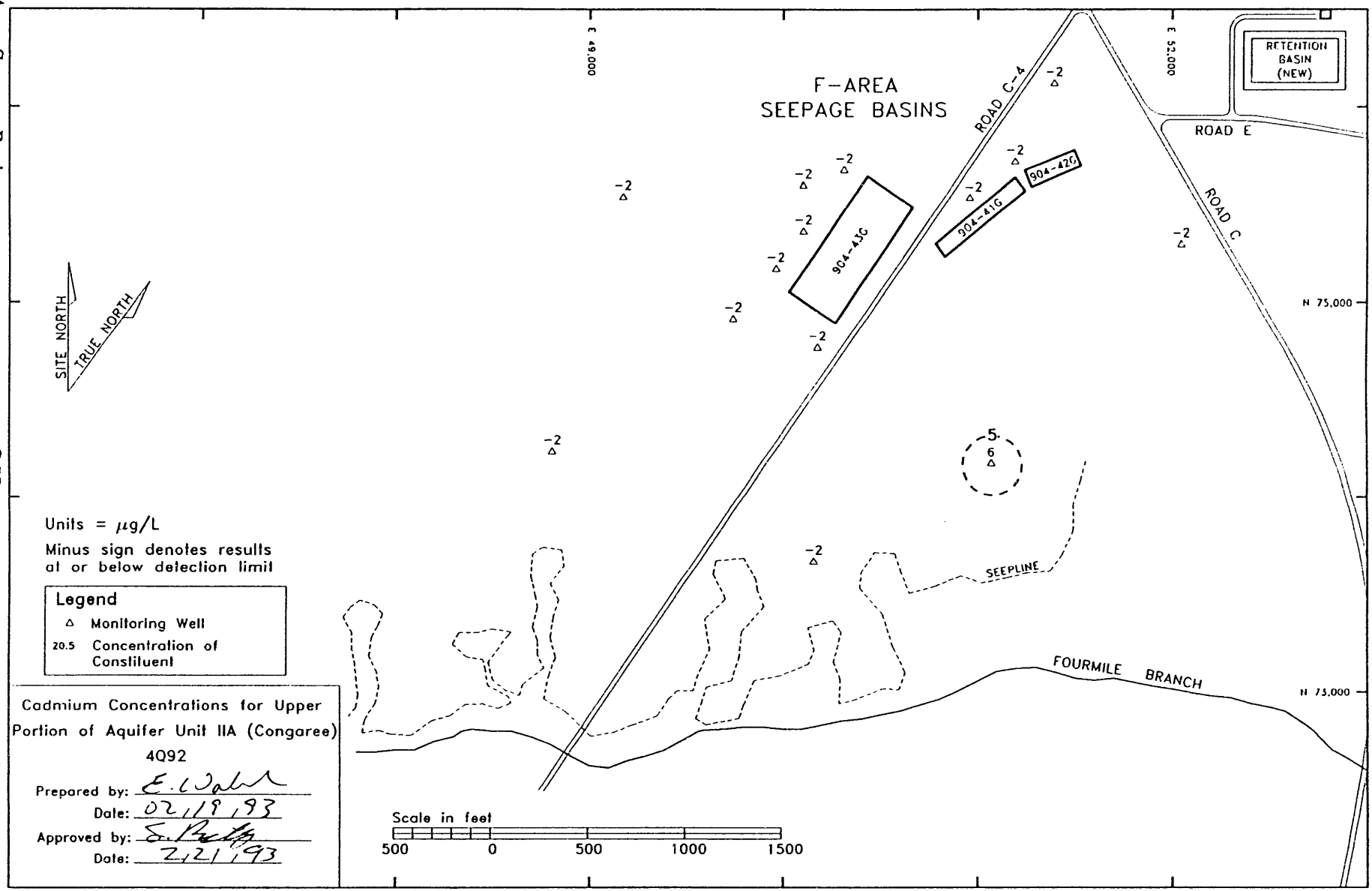


Figure 52. Cadmium Concentrations in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

Figure 53. Lead Concentrations in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992

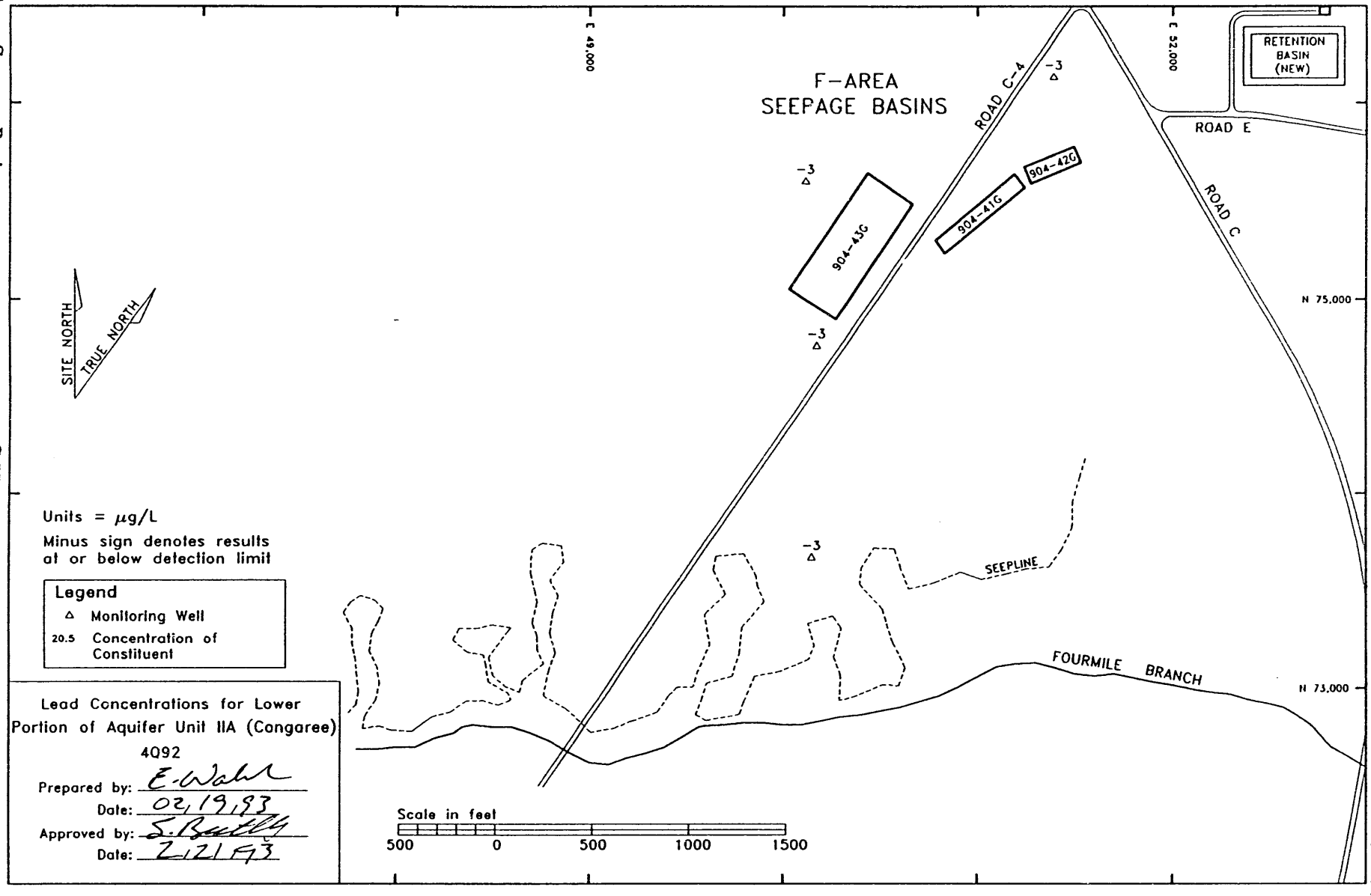


Figure 54. Lead Concentrations in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

Figure 55. Cadmium Concentrations in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, First Quarter 1992

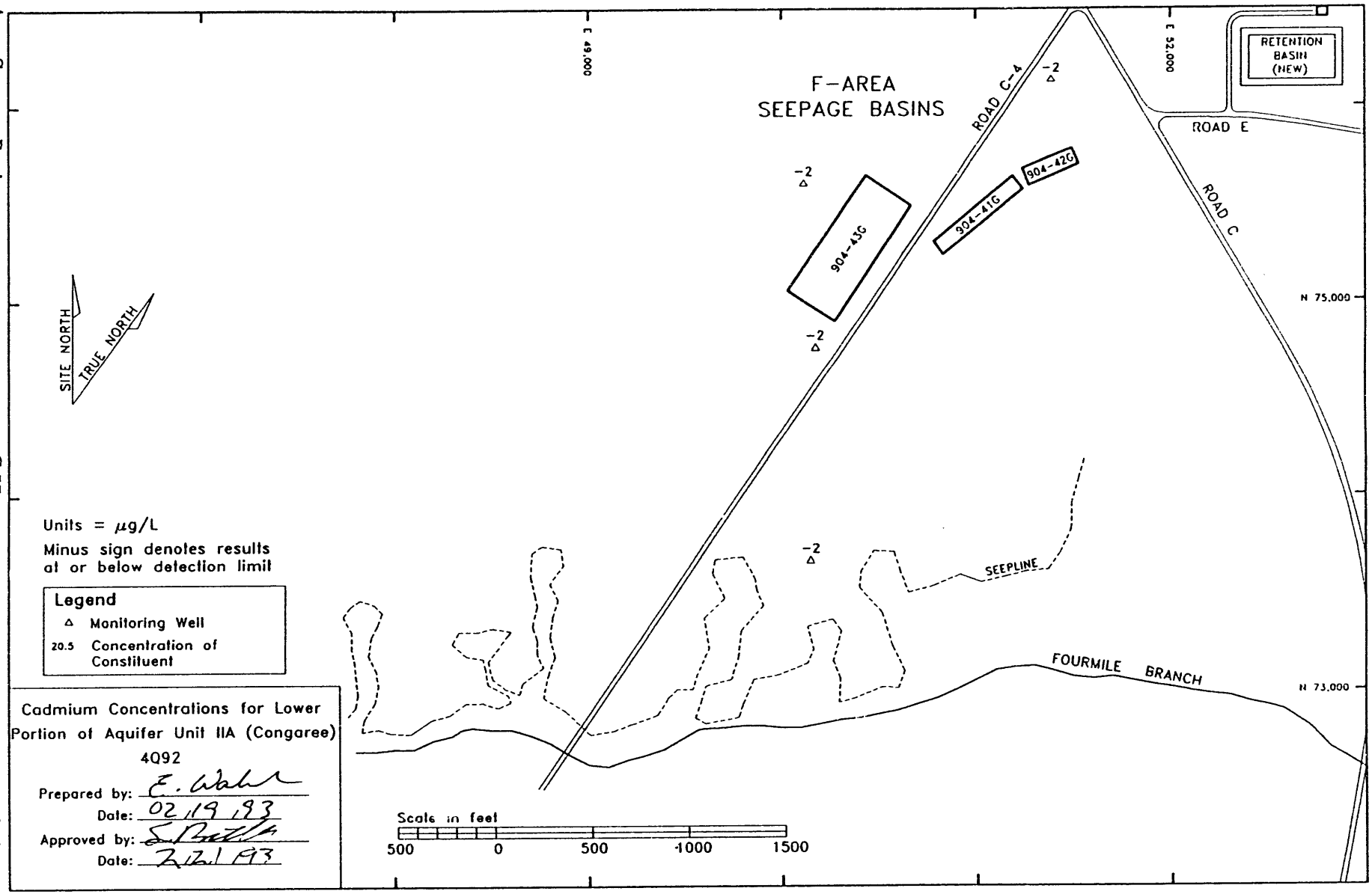


Figure 56. Cadmium Concentrations in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

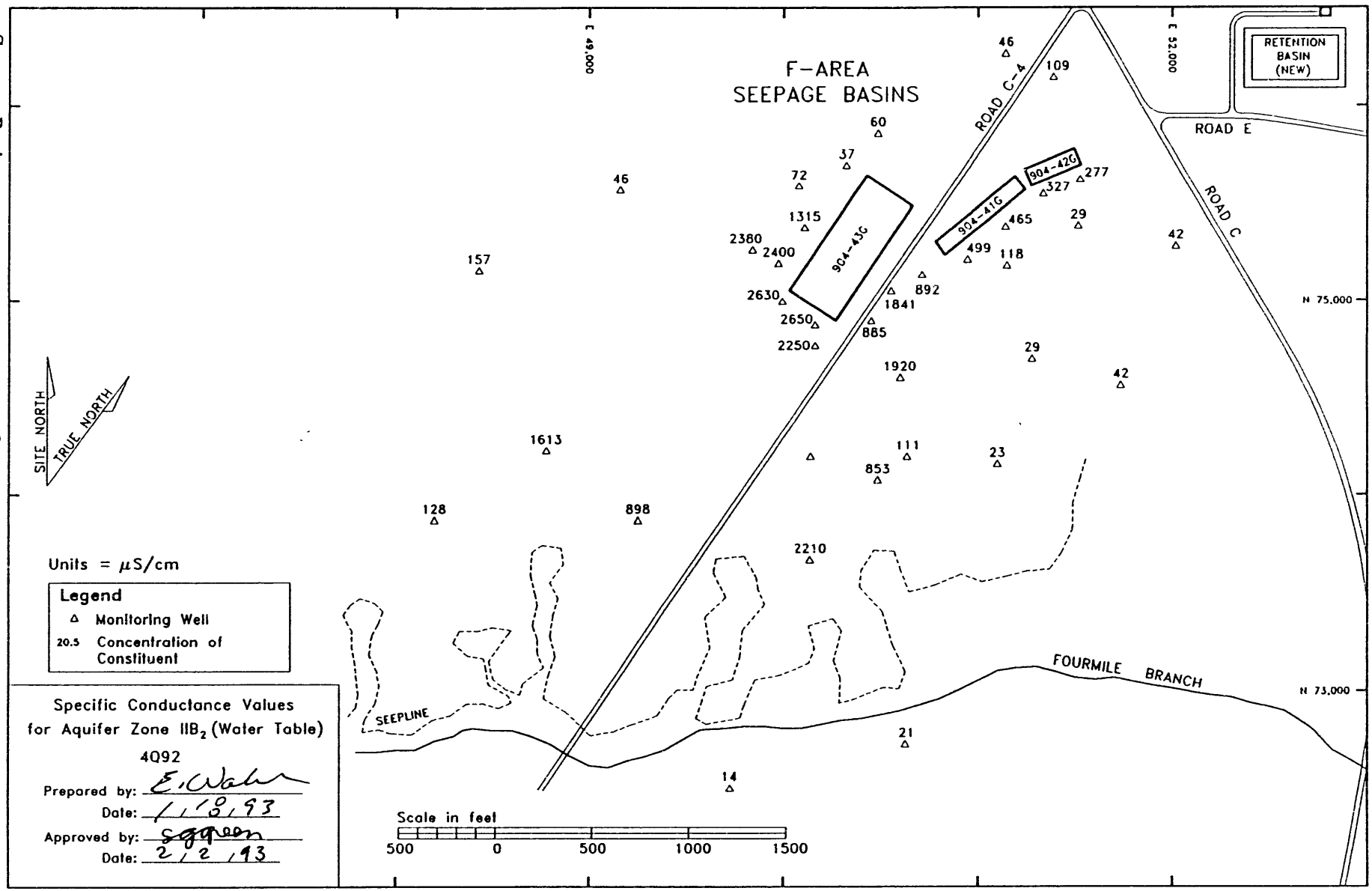


Figure 57. Specific Conductance in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992

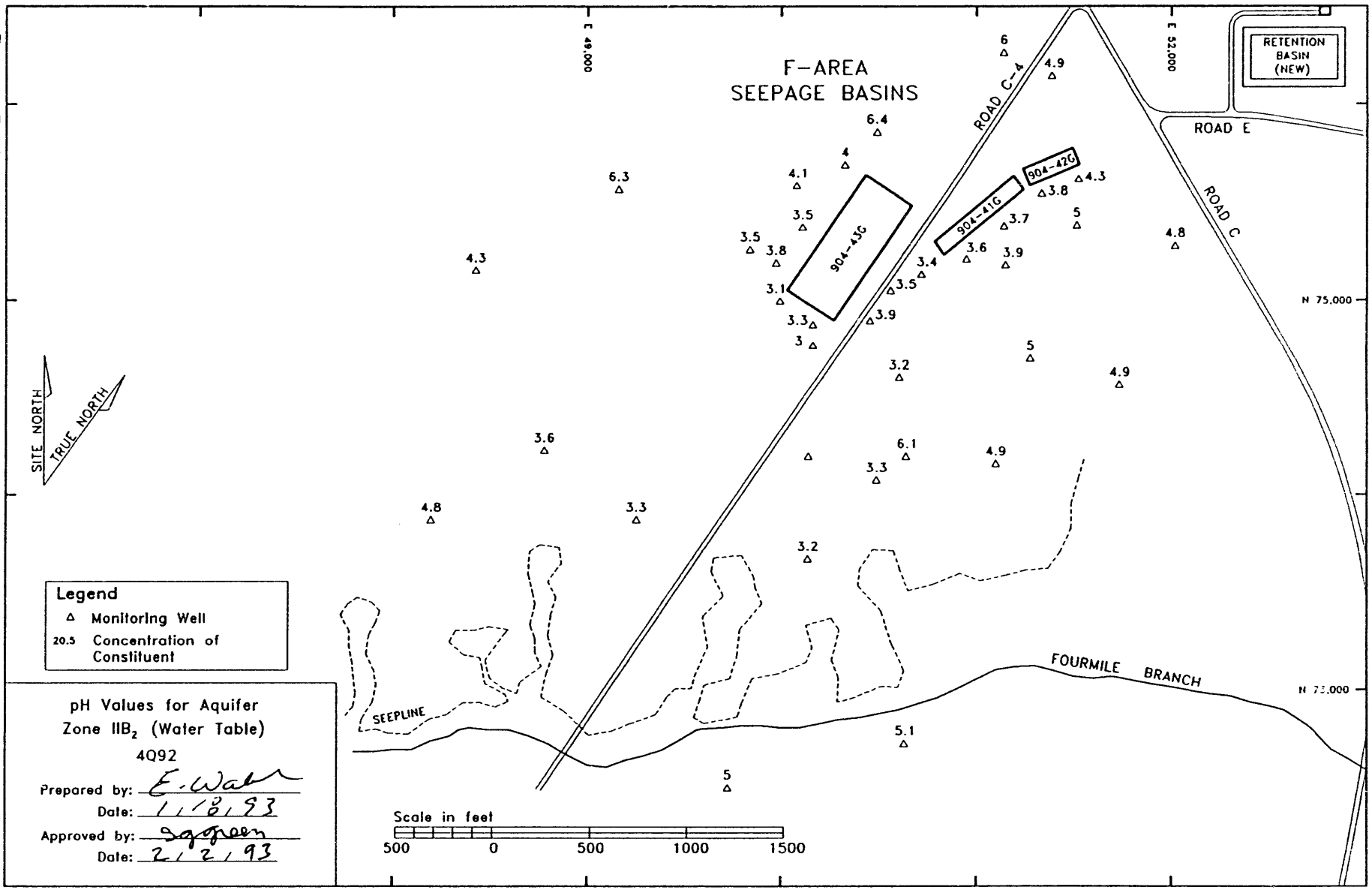


Figure 58. pH Levels in Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins, Fourth Quarter 1992

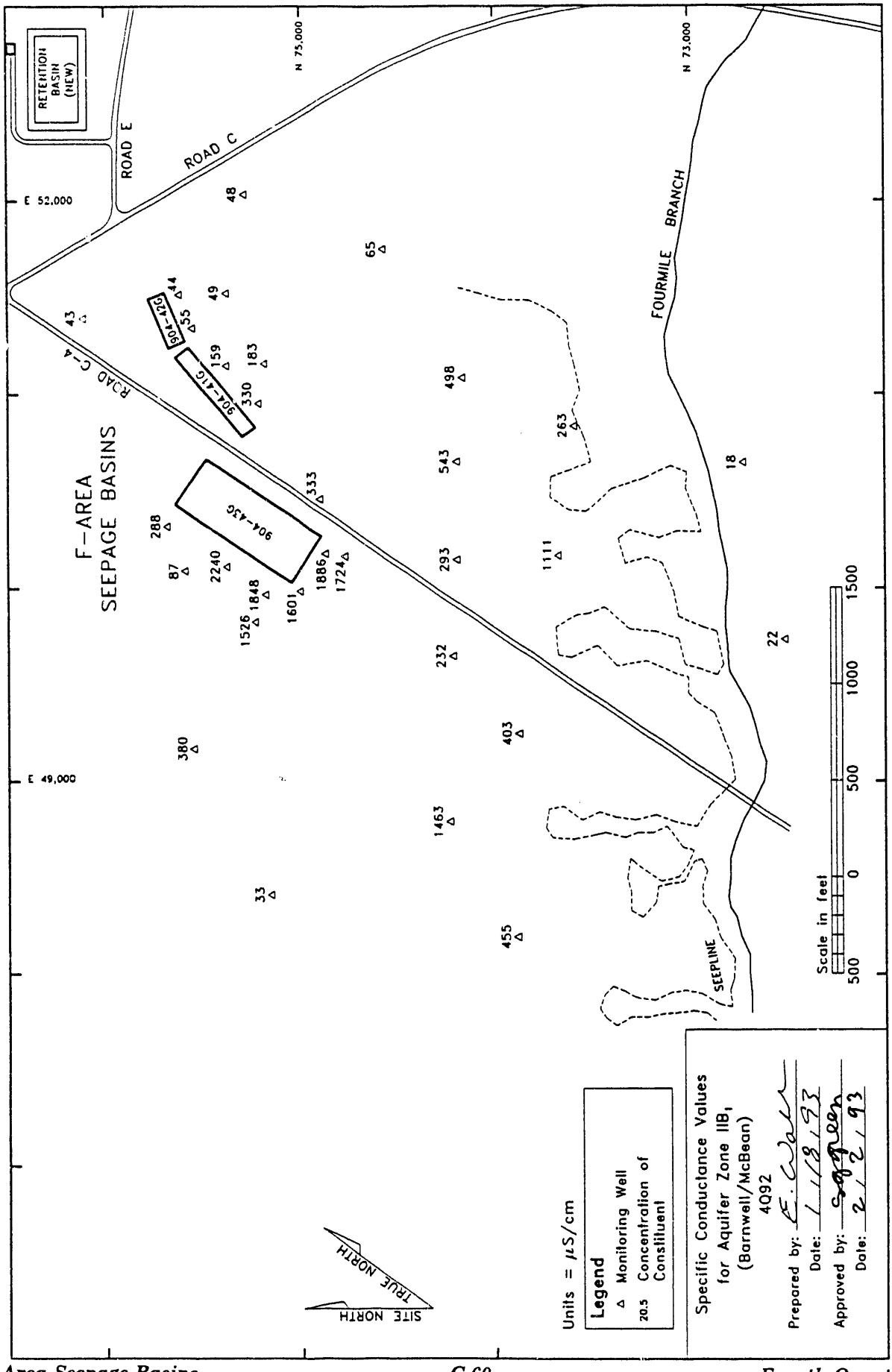


Figure 59. Specific Conductance in Aquifer Zone IIB, (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992

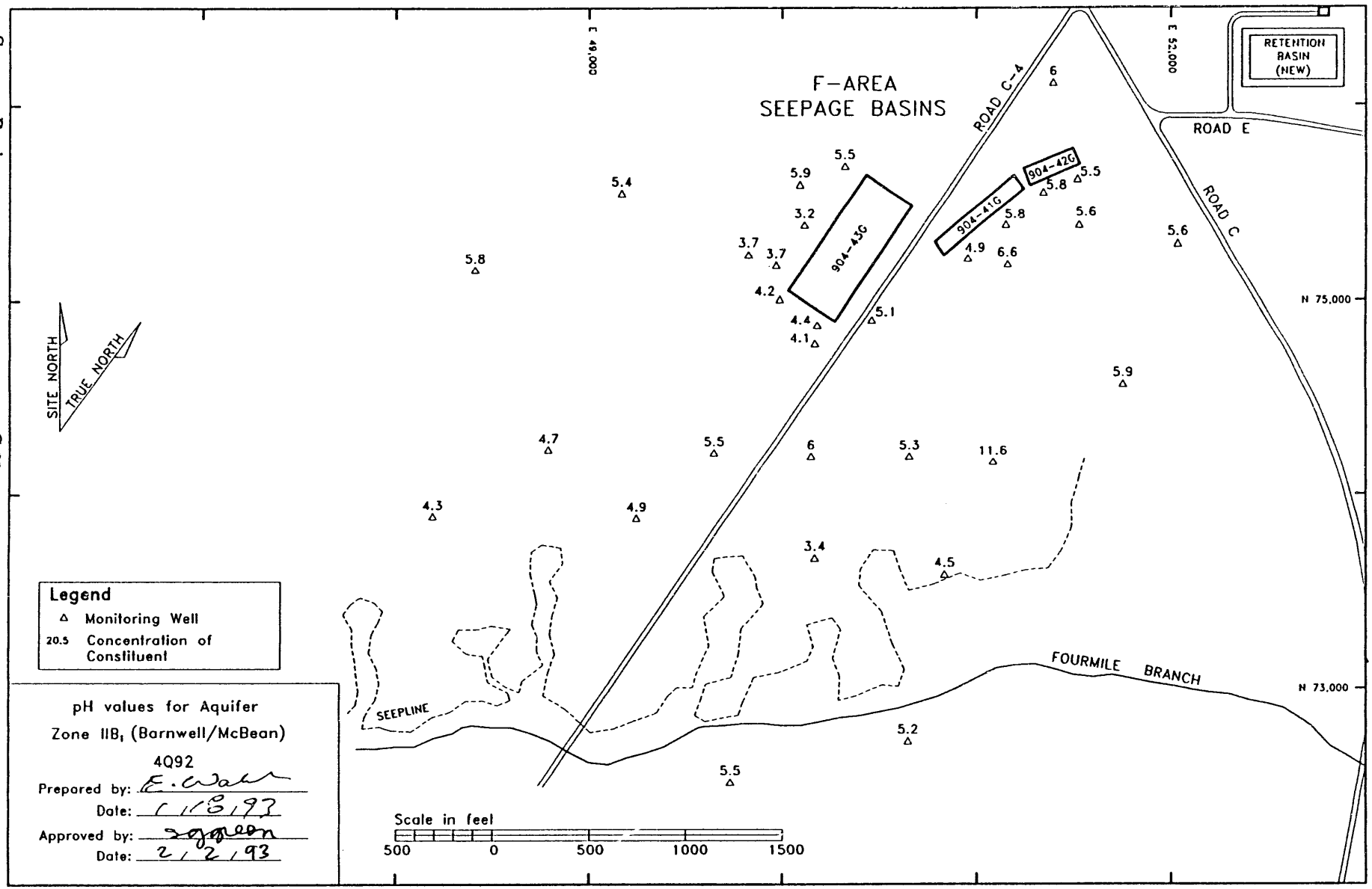


Figure 60. pH Levels in Aquifer Zone IIB$_1$ (Barnwell/McBean) at the F-Area Seepage Basins, Fourth Quarter 1992

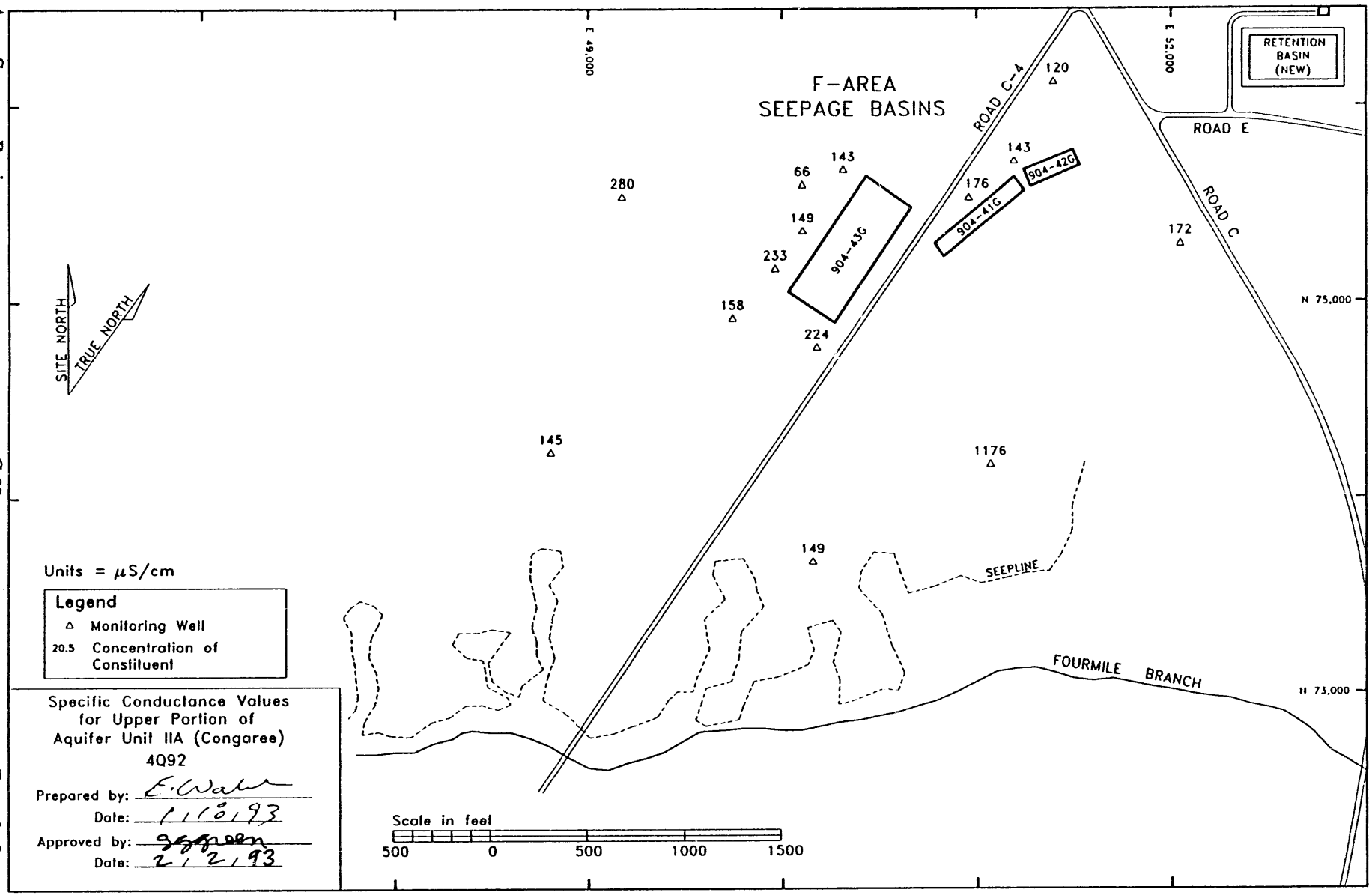


Figure 61. Specific Conductance in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

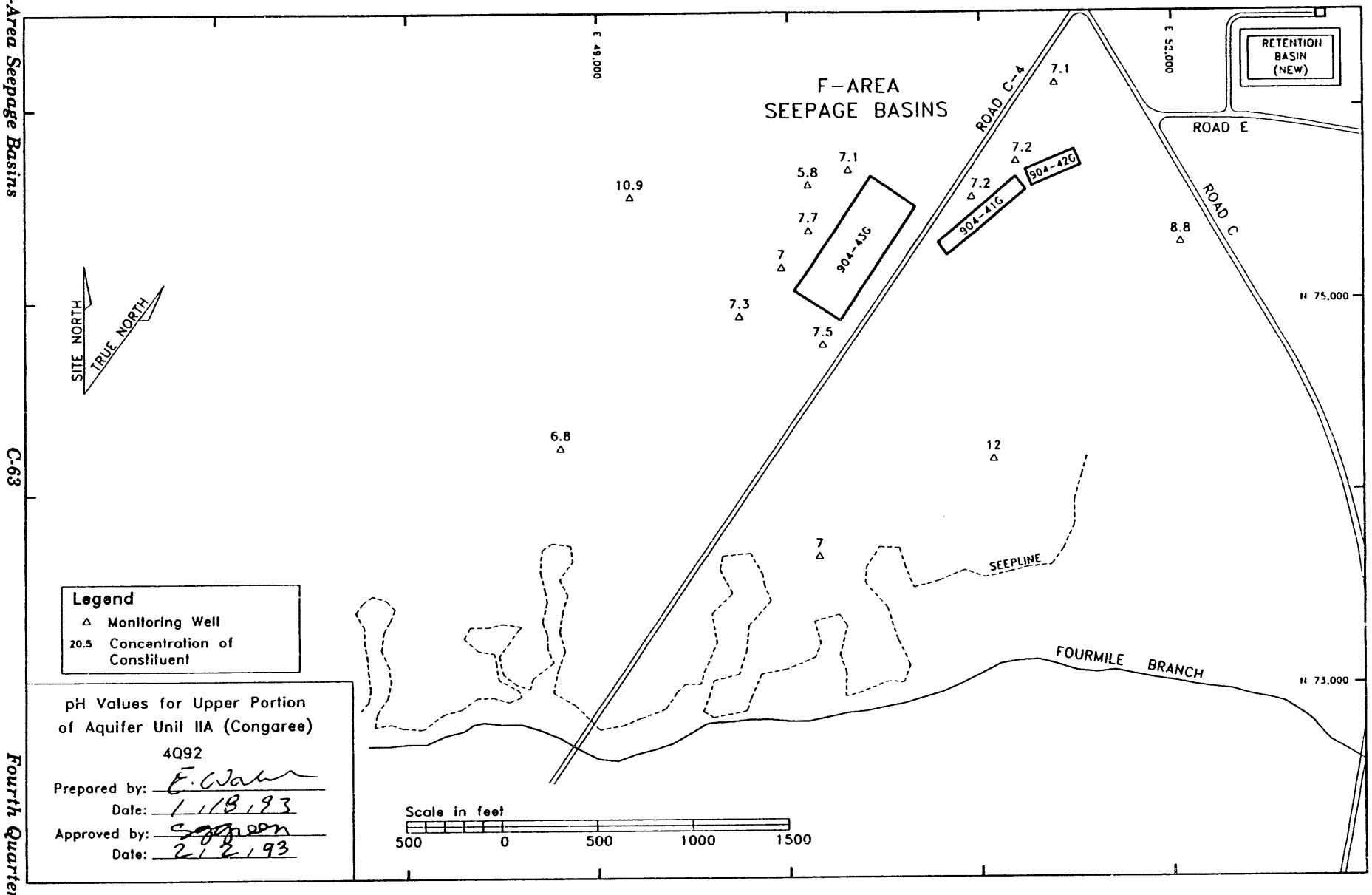


Figure 62. pH Levels in Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

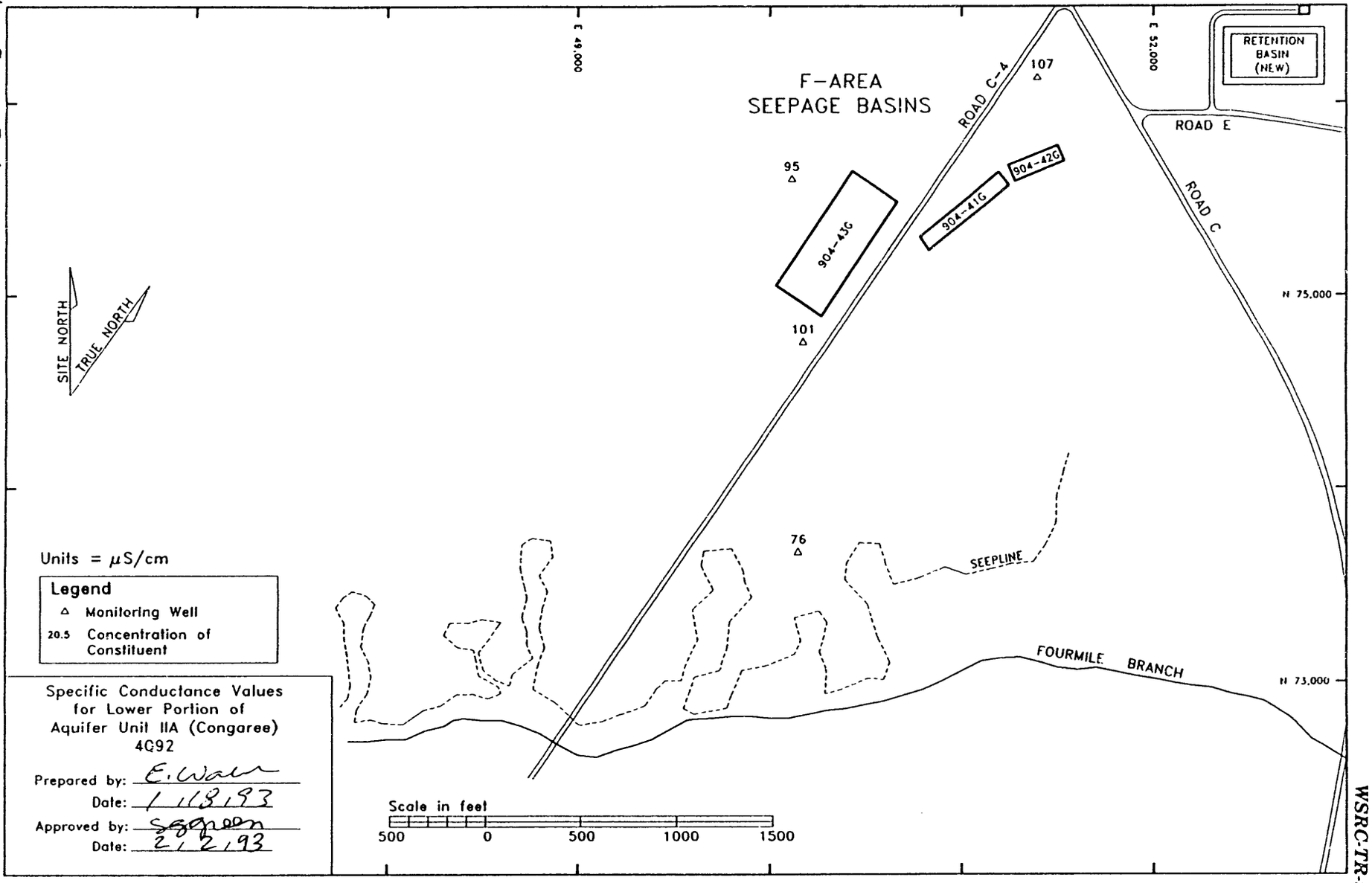


Figure 63. Specific Conductance in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

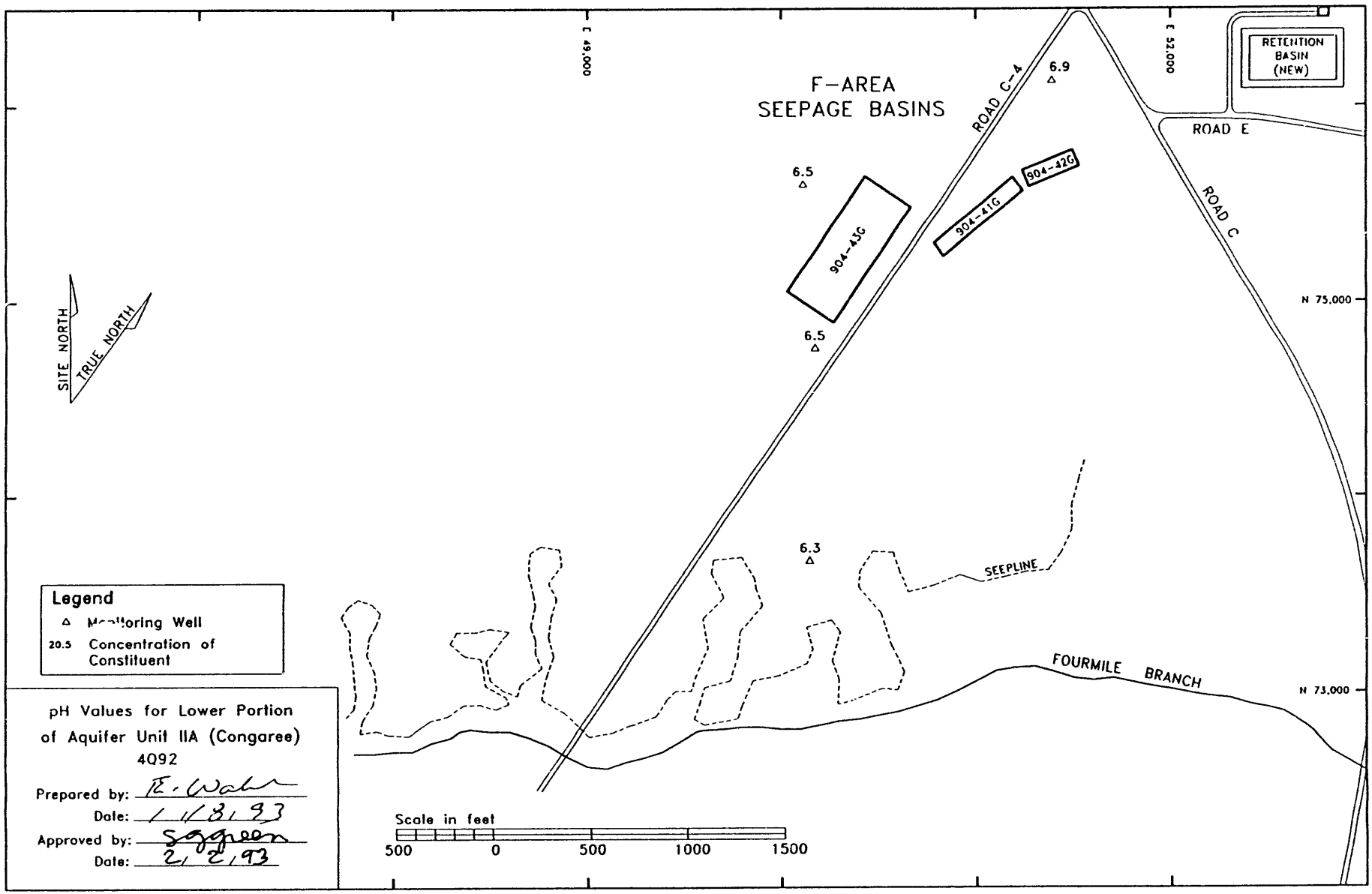


Figure 64. pH Levels in Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins, Fourth Quarter 1992

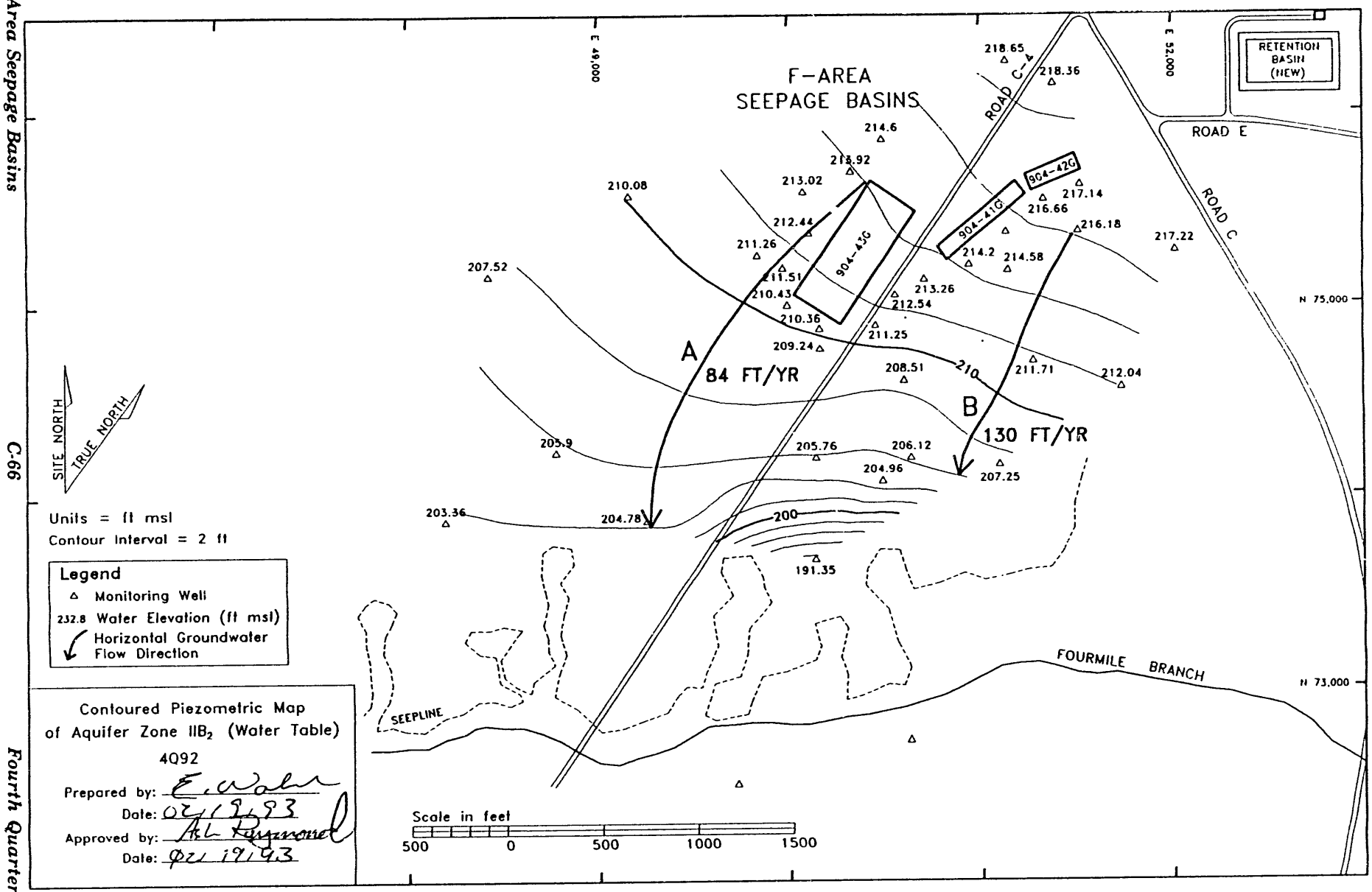


Figure 65. Piezometric Surface Map of Aquifer Zone IIB_2 (Water Table) at the F-Area Seepage Basins

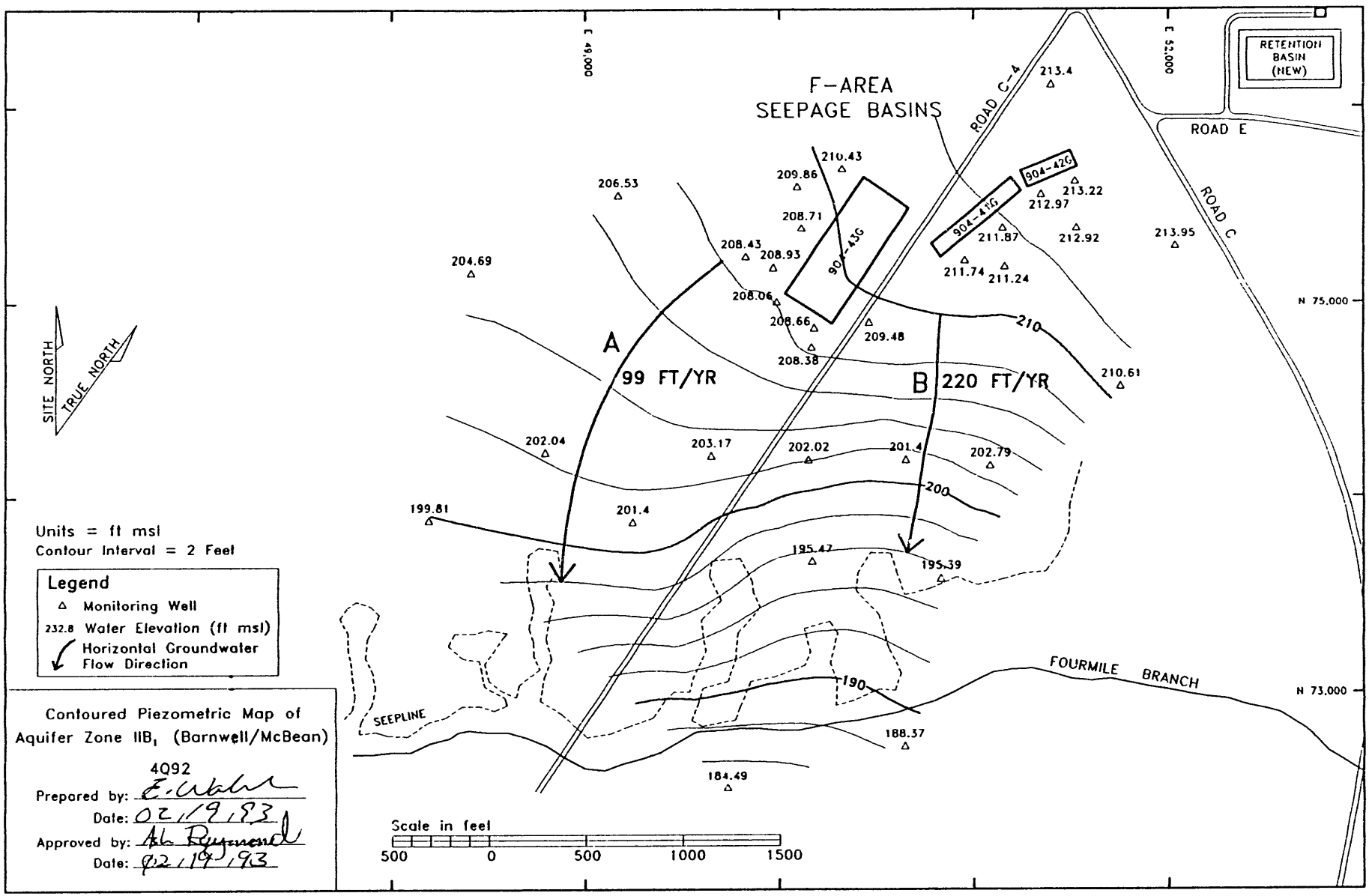


Figure 66. Piezometric Surface Map of Aquifer Zone IIB_1 (Barnwell/McBean) at the F-Area Seepage Basins

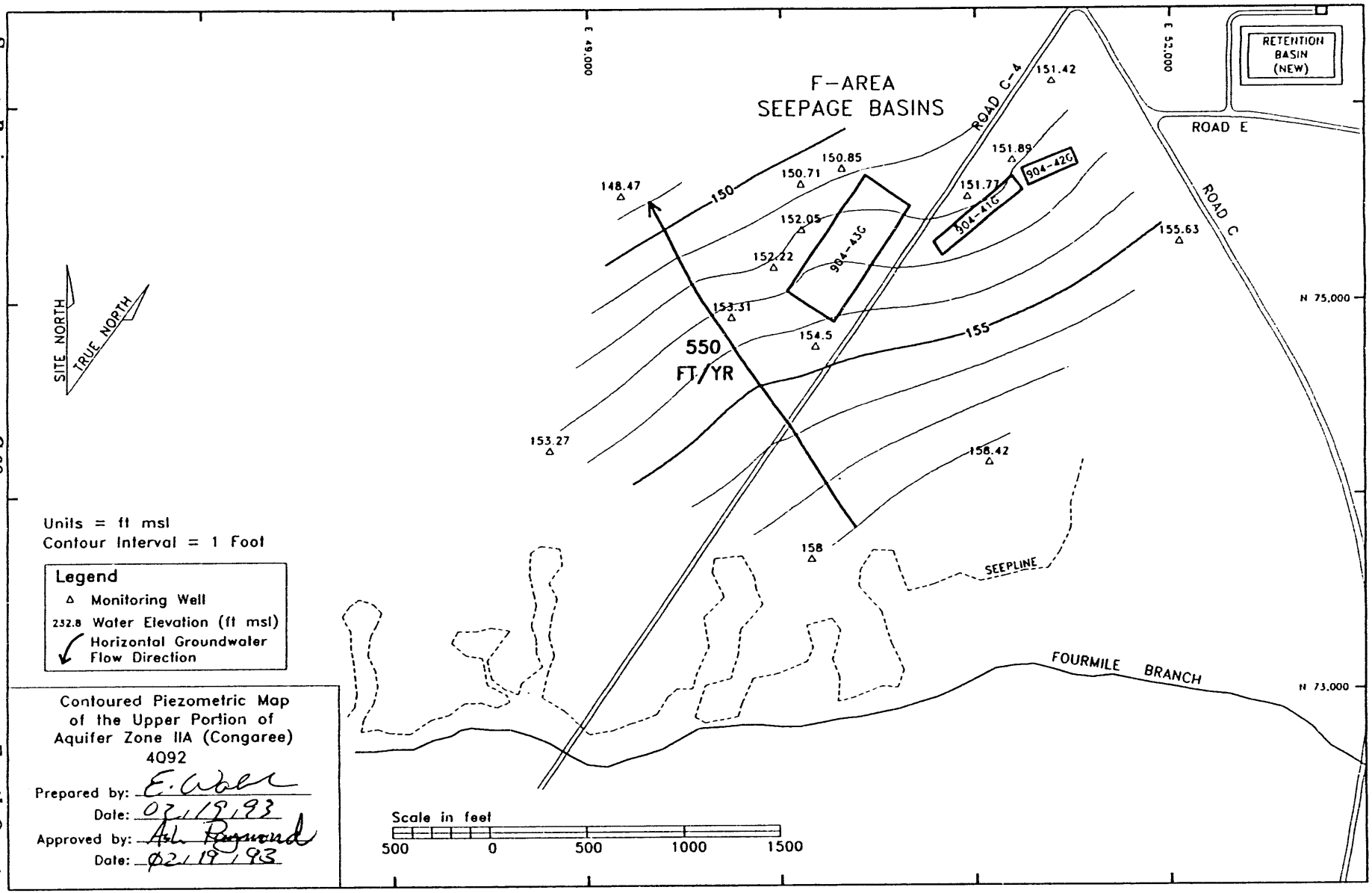


Figure 67. Piezometric Surface Map of Upper Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins

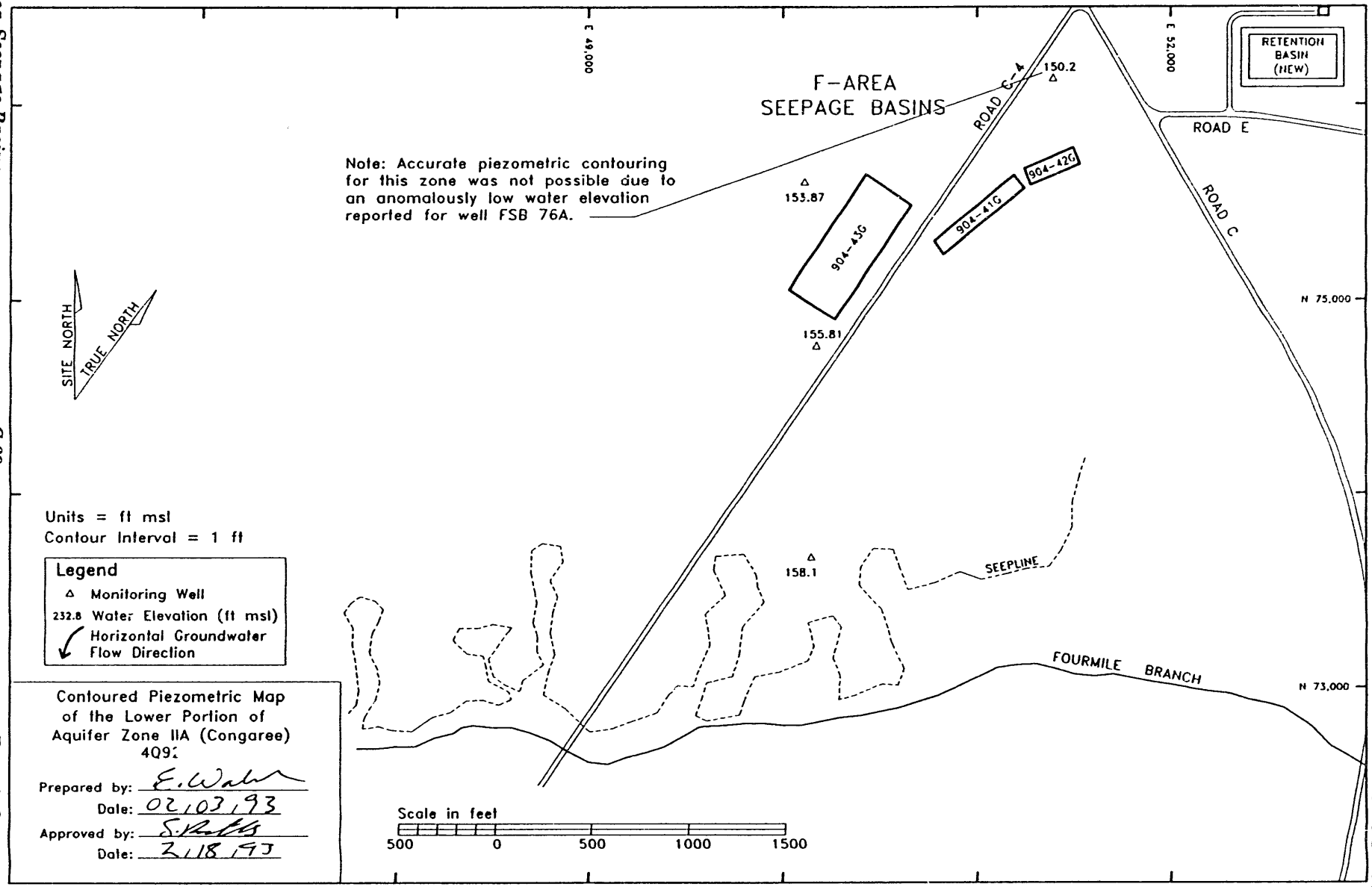


Figure 68. Piezometric Surface Map of Lower Portion of Aquifer Unit IIA (Congaree) at the F-Area Seepage Basins

References

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

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

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

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

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

Appendix D – Groundwater Monitoring Results Tables

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 × 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
MSL = 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.
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter

Holding Times

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

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."

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

Result modifier	Definition
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.

[a] These codes are based on the STORET codes from EPA.

Table 1. Constituents Exceeding the Final Primary Drinking Water Standards

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
FSB 76	Gross alpha	pCi/L	-[a]	1.6E+01	-	-	
	Lead	µg/L	-	-	53	50	
	Nitrate-nitrite as nitrogen	µg/L	-	-	-	13,700	
	Total alpha-emitting radium[b]	pCi/L	5.4E+00	6.5E+00	5.0E+00	8.4E+00	
	Tritium	pCi/mL	4.6E+02	5.2E+02	5.8E+02	6.6E+02	
FSB 77	Cadmium	µg/L	5.1	-	-	5.3	
	Gross alpha	pCi/L	1.1E+03	9.5E+02	6.7E+02	9.6E+02	
	Mercury	µg/L	-	5.8	3.6	4.2	
	Nitrate-nitrite as nitrogen	µg/L	143,000	126,000	151,000	139,000	
	Nonvolatile beta	pCi/L	1.7E+03	1.8E+03	2.1E+03	2.1E+03	
	Total alpha-emitting radium	pCi/L	8.2E+01	9.9E+01	7.4E+01	6.1E+01	
	Tritium	pCi/mL	8.6E+03	7.8E+03	8.5E+03	6.6E+03	
FSB 78	Cadmium	µg/L	37	18	11	21	
	Gross alpha	pCi/L	8.6E+02	6.6E+02	8.1E+02	1.7E+03	
	Nitrate-nitrite as nitrogen	µg/L	278,000	304,000	355,000	318,000	
	Nonvolatile beta	pCi/L	3.5E+03	2.8E+03	1.7E+03	3.2E+03	
	Total alpha-emitting radium	pCi/L	7.8E+01	1.1E+02	5.3E+01	1.1E+02	
	Tritium	pCi/mL	1.8E+04	2.0E+04	2.0E+04	2.0E+04	
FSB 79	Gross alpha	pCi/L	NA[c]	4.8E+02	4.2E+02	1.3E+03	
	Mercury	µg/L	NA	2.2	-	-	
	Nitrate-nitrite as nitrogen	µg/L	NA	160,000	153,000	388,000	
	Nonvolatile beta	pCi/L	NA	8.7E+02	1.1E+03	1.7E+03	
	Total alpha-emitting radium	pCi/L	NA	6.3E+01	3.5E+01	1.1E+02	
	Tritium	pCi/mL	NA	1.1E+04	9.2E+03	1.7E+04	
FSB 87D	Gross alpha	pCi/L	6.2E+01	1.1E+02	1.1E+02	5.8E+01	
	Nonvolatile beta	pCi/L	5.8E+01	-	8.1E+01	-	
	Tritium	pCi/mL	2.1E+02	9.5E+01	7.7E+01	7.0E+01	
FSB 88D	Gross alpha	pCi/L	-	8.4E+01	3.0E+01	1.6E+02	
	Mercury	µg/L	-	2.8	-	4.9	
	Nitrate-nitrite as nitrogen	µg/L	10,500	38,500	52,000	42,000	
	Nonvolatile beta	pCi/L	-	2.8E+02	2.2E+02	4.4E+02	
	Total alpha-emitting radium	pCi/L	-	9.6E+00	9.3E+00	1.0E+01	
	Tritium	pCi/mL	4.2E+02	3.4E+03	3.6E+03	2.4E+03	
FSB 89D	Gross alpha	pCi/L	1.5E+02	1.5E+02	-	1.8E+02	
	Mercury	µg/L	3.3	-	5.1	12	
	Nitrate-nitrite as nitrogen	µg/L	27,500	29,600	-	37,400	
	Nonvolatile beta	pCi/L	3.5E+02	3.3E+02	-	5.7E+02	
	Total alpha-emitting radium	pCi/L	1.4E+01	1.6E+01	1.4E+01	1.4E+01	
	Tritium	pCi/mL	1.9E+03	1.3E+03	1.8E+03	1.2E+03	
FSB 90D	Cadmium	µg/L	-	-	5.4	-	
	Gross alpha	pCi/L	3.0E+02	2.9E+02	1.7E+02	3.1E+02	
	Lead	µg/L	-	58	-	-	
	Mercury	µg/L	-	-	-	4.5	
	Nitrate-nitrite as nitrogen	µg/L	40,500	54,000	73,000	57,000	
	Nonvolatile beta	pCi/L	6.1E+02	1.0E+03	9.0E+02	9.5E+02	
	Total alpha-emitting radium	pCi/L	-	2.1E+01	2.1E+01	1.9E+01	
	Tritium	pCi/mL	1.6E+03	2.5E+03	2.4E+03	2.7E+03	

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
FSB 91D	Cadmium	µg/L	5.8	-	-	-	
	Gross alpha	pCi/L	2.9E+02	2.4E+02	1.8E+02	2.9E+02	
	Nitrate-nitrite as nitrogen	µg/L	93,500	74,000	73,000	60,500	
	Nonvolatile beta	pCi/L	8.4E+02	7.6E+02	5.6E+02	4.9E+02	
	Total alpha-emitting radium	pCi/L	1.8E+01	4.2E+01	2.3E+01	1.1E+01	
	Tritium	pCi/mL	4.6E+03	3.8E+03	4.6E+03	2.7E+03	
FSB 92D	Cadmium	µg/L	15	11	9.5	13	
	Gross alpha	pCi/L	2.9E+02	3.2E+02	1.2E+02	3.8E+02	
	Nitrate-nitrite as nitrogen	µg/L	200,000	250,000	255,000	290,000	
	Nonvolatile beta	pCi/L	2.1E+03	2.3E+03	2.2E+03	2.4E+03	
	Total alpha-emitting radium	pCi/L	8.8E+01	1.6E+02	9.4E+01	1.4E+02	
	Tritium	pCi/mL	1.2E+04	2.4E+04	2.3E+04	2.0E+04	
FSB 93D	Cadmium	µg/L	23	22	26	23	
	Gross alpha	pCi/L	1.6E+02	2.3E+02	5.9E+01	3.3E+02	
	Nitrate-nitrite as nitrogen	µg/L	107,000	121,000	173,000	126,000	
	Nonvolatile beta	pCi/L	2.3E+03	3.3E+03	3.6E+03	3.2E+03	
	Total alpha-emitting radium	pCi/L	5.7E+01	4.8E+01	5.5E+01	8.3E+01	
	Tritium	pCi/mL	9.2E+03	1.0E+04	1.5E+04	1.0E+04	
FSB 94DR	Cadmium	µg/L	-	5.1	5.3	-	
	Gross alpha	pCi/L	1.5E+03	1.2E+03	1.1E+03	2.0E+03	
	Mercury	µg/L	3.5	4.0	2.3	3.3	
	Nitrate-nitrite as nitrogen	µg/L	420,000	402,000	420,000	445,000	
	Nonvolatile beta	pCi/L	1.6E+03	2.6E+03	2.5E+03	2.5E+03	
	Total alpha-emitting radium	pCi/L	9.3E+01	8.5E+01	7.0E+01	5.1E+01	
	Tritium	pCi/mL	3.0E+04	3.0E+04	2.8E+04	2.7E+04	
FSB 95DR	Gross alpha	pCi/L	1.2E+03	1.3E+03	2.1E+03	2.7E+03	
	Nitrate-nitrite as nitrogen	µg/L	370,000	572,000	475,000	830,000	
	Nonvolatile beta	pCi/L	1.7E+03	3.0E+03	3.3E+03	2.9E+03	
	Total alpha-emitting radium	pCi/L	6.4E+01	6.9E+01	6.1E+01	5.8E+01	
	Tritium	pCi/mL	2.5E+04	2.8E+04	2.6E+04	2.5E+04	
FSB 97D	Cadmium	µg/L	-	-	-	8.1	
	Gross alpha	pCi/L	1.3E+03	1.3E+03	1.2E+03	1.2E+03	
	Lead	µg/L	130	113	89	92	
	Nitrate-nitrite as nitrogen	µg/L	356,000	358,000	885,000	388,000	
	Nonvolatile beta	pCi/L	1.3E+03	2.1E+03	2.1E+03	2.2E+03	
	Total alpha-emitting radium	pCi/L	3.8E+01	4.9E+01	3.6E+01	4.7E+01	
	Tritium	pCi/mL	2.7E+04	2.5E+04	2.1E+04	2.2E+04	
FSB 98D	Cadmium	µg/L	6.3	-	-	-	
	Gross alpha	pCi/L	1.1E+03	1.4E+03	8.3E+02	1.8E+03	
	Nitrate-nitrite as nitrogen	µg/L	335,000	262,000	263,000	188,000	
	Nonvolatile beta	pCi/L	1.5E+03	1.6E+03	1.2E+03	1.4E+03	
	Total alpha-emitting radium	pCi/L	5.1E+01	1.5E+02	4.6E+01	5.6E+01	
	Tritium	pCi/mL	2.2E+04	1.7E+04	1.2E+04	9.9E+03	
FSB 99D	Cadmium	µg/L	-	7.2	-	-	
	Gross alpha	pCi/L	-	-	-	2.0E+01	
	Tritium	pCi/mL	1.1E+02	6.9E+01	4.1E+01	4.2E+01	
FSB104D	Cadmium	µg/L	14	12	9.6	6.1	
	Gross alpha	pCi/L	5.7E+02	4.2E+02	4.9E+02	7.5E+02	
	Nitrate-nitrite as nitrogen	µg/L	115,000	140,000	122,000	122,000	
	Nonvolatile beta	pCi/L	1.6E+03	1.8E+03	1.3E+03	1.1E+03	

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
	Total alpha-emitting radium	pCi/L	2.6E+01	6.0E+01	4.1E+01	3.6E+01	
	Tritium	pCi/mL	1.0E+04	9.1E+03	7.7E+03	7.3E+03	
FSB105DR	Gross alpha	pCi/L	1.3E+03	1.5E+03	2.9E+02	1.4E+03	
	Nitrate-nitrite as nitrogen	µg/L	386,000	430,000	400,000	360,000	
	Nonvolatile beta	pCi/L	1.5E+03	1.5E+03	9.8E+02	1.3E+03	
	Total alpha-emitting radium	pCi/L	1.1E+02	2.9E+02	1.0E+02	7.3E+01	
	Tritium	pCi/mL	3.3E+04	2.7E+04	2.5E+04	2.1E+04	
FSB106D	Tritium	pCi/mL	4.3E+01	3.1E+01	NA	-	
FSB107D	Gross alpha	pCi/L	3.1E+02	1.4E+02	1.4E+02	7.8E+01	
	Nitrate as nitrogen	µg/L	19,200	NA	NA	NA	
	Nitrate-nitrite as nitrogen	µg/L	NA	13,100	12,400	11,800	
	Nonvolatile beta	pCi/L	5.0E+02	2.8E+02	2.3E+02	9.9E+01	
	Total alpha-emitting radium	pCi/L	1.9E+01	1.0E+01	7.1E+00	-	
	Tritium	pCi/mL	8.9E+01	1.2E+02	8.7E+01	1.7E+02	
FSB109D	Tritium	pCi/mL	4.0E+01	2.5E+01	2.1E+01	-	
FSB110D	Gross alpha	pCi/L	7.1E+02	7.9E+02	5.1E+02	NA	
	Nitrate-nitrite as nitrogen	µg/L	210,000	227,000	163,000	NA	
	Nonvolatile beta	pCi/L	7.2E+02	1.0E+03	6.8E+02	NA	
	Total alpha-emitting radium	pCi/L	1.5E+01	2.5E+01	1.1E+01	NA	
	Tritium	pCi/mL	1.8E+04	1.5E+04	9.8E+03	NA	
FSB112D	Gross alpha	pCi/L	1.6E+02	2.1E+02	3.1E+01	2.1E+02	
	Nitrate-nitrite as nitrogen	µg/L	211,000	213,000	220,000	240,000	
	Nonvolatile beta	pCi/L	3.4E+03	4.2E+03	3.6E+03	3.7E+03	
	Total alpha-emitting radium	pCi/L	2.6E+02	2.4E+02	2.5E+02	1.9E+02	
	Tritium	pCi/mL	1.0E+04	9.7E+03	9.3E+03	9.4E+03	
FSB117D	Gross alpha	pCi/L	1.1E+03	1.0E+03	1.1E+03	1.1E+03	
	Nitrate-nitrite as nitrogen	µg/L	71,500	94,200	100,000	110,000	
	Nonvolatile beta	pCi/L	1.4E+03	1.6E+03	1.3E+03	1.2E+03	
	Total alpha-emitting radium	pCi/L	6.5E+01	6.5E+01	6.4E+01	5.2E+01	
	Tritium	pCi/mL	5.2E+03	3.6E+03	3.5E+03	6.3E+03	
FSB118D	Nitrate-nitrate as nitrogen	µg/L	NA	-	-	65,500	
	Tetrachloroethylene	µg/L	-	5.6	-	-	
FSB119D	Gross alpha	pCi/L	8.8E+02	7.6E+02	7.1E+02	1.5E+03	
	Nitrate-nitrite as nitrogen	µg/L	230,000	257,000	264,000	268,000	
	Nonvolatile beta	pCi/L	1.4E+03	2.4E+03	2.2E+03	1.8E+03	
	Total alpha-emitting radium	pCi/L	9.2E+01	1.1E+02	1.1E+02	7.8E+01	
	Tritium	pCi/mL	2.2E+04	2.2E+04	2.0E+04	1.4E+04	
FSB121DR	Gross alpha	pCi/L	NA	NA	4.0E+01	3.7E+01	
	Lead	µg/L	NA	NA	-	57	J2
	Nitrate-nitrite as nitrogen	µg/L	NA	NA	25,400	18,600	
	Nonvolatile beta	pCi/L	NA	NA	1.7E+02	1.1E+02	
	Total alpha-emitting radium	pCi/L	NA	NA	7.5E+00	2.2E+01	
	Tritium	pCi/mL	NA	NA	4.7E+02	3.2E+02	
FSB122D	Nitrate-nitrite as nitrogen	µg/L	-	-	12,000	14,400	
	Nonvolatile beta	pCi/L	-	-	5.5E+01	-	
	Total alpha-emitting radium	pCi/L	-	-	3.2E+01	-	
	Tritium	pCi/mL	4.5E+02	5.1E+02	5.4E+02	6.0E+02	

Aquifer Zone IIB$_1$ (Barnwell/McBean)

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
FSB 78C	Cadmium	µg/L	14	12	13	26	
	Gross alpha	pCi/L	7.7E+01	1.9E+02	9.6E+01	1.5E+02	
	Nitrate-nitrite as nitrogen	µg/L	255,000	255,000	295,000	268,000	
	Nonvolatile beta	pCi/L	2.0E+03	1.8E+03	2.0E+03	1.6E+03	
	Total alpha-emitting radium	pCi/L	5.5E+01	4.7E+01	2.7E+01	4.5E+01	
	Tritium	pCi/mL	9.8E+03	9.6E+03	8.7E+03	8.2E+03	
FSB 79C	Cadmium	µg/L	19	32	19	19	
	Gross alpha	pCi/L	4.6E+02	3.5E+02	4.0E+02	4.9E+02	
	Nitrate-nitrite as nitrogen	µg/L	175,000	170,000	174,000	177,000	
	Nonvolatile beta	pCi/L	3.3E+03	3.2E+03	3.0E+03	3.0E+03	
	Total alpha-emitting radium	pCi/L	1.1E+02	5.2E+01	9.8E+01	8.4E+01	
	Tritium	pCi/mL	1.0E+04	1.0E+04	9.2E+03	8.2E+03	
FSB 87C	Nitrate-nitrite as nitrogen	µg/L	14,500	11,900	10,200	10,000	
	Tritium	pCi/mL	9.6E+02	7.7E+02	6.1E+02	5.1E+02	
FSB 88C	Tritium	pCi/mL	2.6E+01	-	-	3.2E+01	
FSB 89C	Tritium	pCi/mL	2.5E+01	-	-	-	
FSB 90C	Nitrate-nitrite as nitrogen	µg/L	12,000	13,500	14,600	15,200	
	Tritium	pCi/mL	7.7E+02	7.6E+02	7.1E+02	7.2E+02	
FSB 91C	Gross alpha	pCi/L	5.7E+01	3.9E+01	5.1E+01	6.1E+01	
	Nitrate-nitrite as nitrogen	µg/L	52,500	49,000	47,000	18,800	
	Nonvolatile beta	pCi/L	9.1E+02	1.1E+03	9.5E+02	9.8E+02	
	Total alpha-emitting radium	pCi/L	3.7E+01	5.9E+01	5.5E+01	4.6E+01	
	Tritium	pCi/mL	2.2E+03	1.9E+03	1.6E+03	1.2E+03	
FSB 93C	Nitrate-nitrite as nitrogen	µg/L	39,000	42,000	-	47,000	
	Tritium	pCi/mL	1.8E+03	1.6E+03	1.5E+03	1.5E+03	
FSB 94C	Cadmium	µg/L	10	8.9	-	15	
	Gross alpha	pCi/L	4.8E+01	6.2E+01	-	7.9E+01	
	Nitrate-nitrite as nitrogen	µg/L	280,000	288,000	265,000	308,000	
	Nonvolatile beta	pCi/L	2.3E+03	2.9E+03	3.1E+03	2.8E+03	
	Total alpha-emitting radium	pCi/L	3.2E+01	7.1E+01	6.6E+01	6.3E+01	
	Tritium	pCi/mL	2.0E+04	1.2E+04	1.1E+04	1.1E+04	
FSB 95CR	Cadmium	µg/L	8.0	6.4	8.0	13	
	Gross alpha	pCi/L	4.0E+02	5.4E+02	4.1E+02	4.9E+02	
	Nitrate-nitrite as nitrogen	µg/L	216,000	216,000	223,000	258,000	
	Nonvolatile beta	pCi/L	2.2E+03	3.0E+03	2.2E+03	2.4E+03	
	Total alpha-emitting radium	pCi/L	1.2E+02	1.1E+02	1.2E+02	8.2E+01	
	Trichloroethylene	µg/L	20	-	-	-	
	Tritium	pCi/mL	9.1E+03	9.2E+03	8.8E+03	9.1E+03	
FSB 97C	Gross alpha	pCi/L	1.1E+03	1.2E+02	4.2E+02	8.7E+02	
	Nitrate-nitrite as nitrogen	µg/L	355,000	180,000	193,000	313,000	
	Nonvolatile beta	pCi/L	1.6E+03	7.4E+02	9.8E+02	1.6E+03	
	Total alpha-emitting radium	pCi/L	6.9E+01	1.0E+02	9.7E+01	1.0E+02	
	Tritium	pCi/mL	2.1E+04	1.0E+04	9.5E+03	1.5E+04	
FSB 98C	Gross alpha	pCi/L	8.1E+02	4.9E+02	6.2E+02	1.5E+03	
	Nitrate-nitrite as nitrogen	µg/L	202,000	256,000	260,000	303,000	
	Nonvolatile beta	pCi/L	1.4E+03	1.8E+03	1.9E+03	1.9E+03	

Aquifer Zone IIB$_1$ (Barnwell/McBean)

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
	Total alpha-emitting radium	pCi/L	1.2E+02	1.4E+02	1.1E+02	1.2E+02	
	Tritium	pCi/mL	1.3E+04	1.4E+04	1.4E+04	1.7E+04	
FSB 99C	Gross alpha	pCi/L	2.0E+01	1.5E+01	-	2.1E+01	
	Nitrate-nitrite as nitrogen	µg/L	38,500	36,400	36,000	-	
	Nonvolatile beta	pCi/L	1.1E+02	1.4E+02	1.0E+02	1.0E+02	
	Total alpha-emitting radium	pCi/L	1.2E+01	1.1E+01	9.2E+00	7.4E+00	
	Trichloroethylene	µg/L	-	26	26	37	
	Tritium	pCi/mL	2.1E+03	1.9E+03	1.8E+03	1.6E+03	
FSB102C	Cadmium	µg/L	-	-	5.0	-	
	Nitrate-nitrite as nitrogen	µg/L	39,500	37,000	35,000	33,500	
	Nonvolatile beta	pCi/L	3.8E+02	4.6E+02	3.8E+02	3.4E+02	
	Total alpha-emitting radium	pCi/L	-	7.7E+00	6.1E+00	-	
	Tritium	pCi/mL	1.2E+03	1.1E+03	9.5E+02	8.8E+02	
FSB103C	Nitrate-nitrite as nitrogen	µg/L	24,500	25,400	25,800	29,600	
	Tritium	pCi/mL	7.5E+02	7.4E+02	6.7E+02	6.9E+02	
FSB104C	Nitrate-nitrite as nitrogen	µg/L	41,500	47,000	50,400	53,500	
	Nonvolatile beta	pCi/L	5.8E+01	7.3E+01	-	5.5E+01	
	Tritium	pCi/mL	1.2E+03	1.3E+03	1.3E+03	1.2E+03	
FSB105C	Cadmium	µg/L	5.4	-	5.2	-	
	Gross alpha	pCi/L	4.0E+02	3.0E+02	2.0E+02	4.8E+02	
	Nitrate-nitrite as nitrogen	µg/L	205,000	192,000	200,000	425,000	
	Nonvolatile beta	pCi/L	1.1E+03	1.5E+03	1.2E+03	1.4E+03	
	Total alpha-emitting radium	pCi/L	1.3E+02	1.6E+02	1.1E+02	8.9E+01	
	Tritium	pCi/mL	1.1E+04	1.1E+04	9.2E+03	1.1E+04	
FSB106C	Cadmium	µg/L	7.4	5.3	6.1	6.2	
	Gross alpha	pCi/L	1.8E+01	3.1E+01	3.5E+01	5.8E+01	
	Nitrate-nitrite as nitrogen	µg/L	67,500	66,700	75,000	75,500	
	Nonvolatile beta	pCi/L	9.2E+02	9.4E+02	8.5E+02	1.1E+03	
	Total alpha-emitting radium	pCi/L	1.4E+01	3.7E+01	2.4E+01	5.1E+01	
	Tritium	pCi/mL	2.1E+03	2.0E+03	1.7E+03	1.9E+03	
FSB107C	Gross alpha	pCi/L	-	-	-	1.4E+02	
	Nitrate-nitrite as nitrogen	µg/L	-	12,900	-	-	
	Nonvolatile beta	pCi/L	6.3E+01	1.0E+02	5.5E+01	7.6E+01	
	Tritium	pCi/mL	1.9E+02	2.5E+02	1.4E+02	1.9E+02	
FSB110C	Nitrate as nitrogen	µg/L	31,000	33,000	37,500	-	
	Nonvolatile beta	pCi/L	-	5.4E+01	-	-	
	Tritium	pCi/mL	9.2E+02	1.1E+03	9.5E+02	8.2E+02	
FSB112C	Cadmium	µg/L	14	11	12	19	
	Gross alpha	pCi/L	1.2E+02	1.3E+02	3.2E+01	1.4E+02	
	Nitrate-nitrite as nitrogen	µg/L	200,000	207,000	206,000	220,000	
	Nonvolatile beta	pCi/L	1.9E+03	2.6E+03	2.1E+03	2.0E+03	
	Total alpha-emitting radium	pCi/L	6.3E+01	1.3E+02	1.5E+02	1.0E+02	
	Tritium	pCi/mL	7.3E+03	7.3E+03	6.6E+03	6.2E+03	
FSB113C	Tritium	pCi/mL	6.4E+01	5.8E+01	5.5E+01	6.2E+01	
FSB120C	Gross alpha	pCi/L	-	-	-	2.3E+01	
	Nitrate as nitrogen	µg/L	53,500	53,500	NA	NA	
	Nitrate-nitrite as nitrogen	µg/L	53,500	NA	53,600	50,000	
	Nonvolatile beta	pCi/L	5.2E+01	5.8E+01	-	5.0E+01	

Aquifer Zone IIB_1 (Barnwell/McBean)

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
	Total alpha-emitting radium	pCi/L	1.4E+01	9.8E+00	1.2E+01	8.7E+00	
	Tritium	pCi/mL	2.2E+03	1.9E+03	1.7E+03	1.5E+03	
FSB121C	Tritium	pCi/mL	7.2E+01	7.8E+01	7.5E+01	7.7E+01	
FSB122C	Gross alpha	pCi/L	-	-	-	2.6E+01	
	Nitrate-nitrite as nitrogen	µg/L	61,000	58,400	55,000	25,400	
	Nonvolatile beta	pCi/L	9.9E+01	1.2E+02	7.7E+01	7.0E+01	
	Total alpha-emitting radium	pCi/L	6.3E+00	6.1E+00	7.9E+00	8.2E+00	
	Tritium	pCi/mL	2.1E+03	2.0E+03	1.8E+03	1.8E+03	

Aquifer Unit IIA (upper Congaree)

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
FSB 78B	Nitrate-nitrite as nitrogen	µg/L	-	-	-	10,600	
	Tritium	pCi/mL	2.5E+02	2.4E+02	2.3E+02	2.4E+02	
FSB 87B	Tritium	pCi/mL	6.2E+01	6.3E+01	5.9E+01	6.2E+01	
FSB 97A	Nitrate-nitrite as nitrogen	µg/L	10,500	NA	NA	-	
	Tritium	pCi/mL	4.0E+02	NA	NA	3.5E+02	
FSB 98AR	Tritium	pCi/mL	-	-	-	2.0E+01	
FSB 99A	Tritium	pCi/mL	1.1E+02	1.2E+02	1.2E+02	1.1E+02	
FSB100A	Tritium	pCi/mL	1.9E+02	1.8E+02	1.8E+02	1.5E+02	
FSB112A	Tritium	pCi/mL	6.8E+01	6.1E+01	5.8E+01	8.8E+01	
FSB113A	Tritium	pCi/mL	-	3.2E+01	4.0E+01	8.5E+01	
FSB120A	Arsenic	µg/L	-	-	96		
	Tritium	pCi/mL	7.6E+01	1.6E+02	1.3+02	7.5E+01	

Aquifer Unit IIA (lower Congaree)

Well	Constituent	Unit	1Q92	2Q92	3Q92	4Q92	Mod
FSB 78A	Tritium	pCi/mL	4.0E+01	-	-	-	
FSB 79A	Tritium	pCi/mL	-	-	5.9E+01	-	

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.

[a] - = analyzed but not above final PDWS.
[b] The final PDWS for total radium was applied to total alpha-emitting radium.
[c] 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_2 (Water Table)

Well	Constituent	Unit	4Q92	Mod	Flag
FSB 76	Aluminum	µg/L	176		2
FSB 77	Aluminum	µg/L	30,400		2
	Manganese	µg/L	607		2
	pH	pH	3.7	J	1
	Specific conductance	µS/cm	800		2
	Uranium	µg/L	1,460		2
FSB 78	Aluminum	µg/L	99,300		2
	Cesium-137	pCi/L	2.7E+02		2
	Cobalt	µg/L	34		1
	Manganese	µg/L	2,880		2
	Mercury	µg/L	1.5		1
	Nickel	µg/L	62		1
	pH	pH	3.1	J	1
	Specific conductance	µS/cm	2,300		2
	Uranium	µg/L	3,520		2
FSB 79	Aluminum	µg/L	55,300		2
	Cobalt	µg/L	348		2
	Iron	µg/L	277		1
	Manganese	µg/L	6,460		2
	pH	pH	3.5	J	1
	Specific conductance	µS/cm	1,700		2
	Thallium	µg/L	2.5		2
	Uranium	µg/L	1,000		2
FSB 87D	Aluminum	µg/L	992		2
	Cadmium	µg/L	2.9		1
	Manganese	µg/L	37		1
	Nonvolatile beta	pCi/L	4.3E+01		1
	Total alpha-emitting radium[a]	pCi/L	2.7E+00		1
	Uranium	µg/L	277		2
FSB 88D	Aluminum	µg/L	4,300		2
	Manganese	µg/L	221		2
	Uranium	µg/L	214		2
FSB 89D	Aluminum	µg/L	5,450		2
	Manganese	µg/L	534		2
	Specific conductance	µS/cm	285		1
	Uranium	µg/L	332		2
FSB 90D	Aluminum	µg/L	11,500		2
	Cadmium	µg/L	4.4		1
	Manganese	µg/L	654		2
	Specific conductance	µS/cm	380		1
	Uranium	µg/L	544		2

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	4Q92	Mod	Flag
FSB 91D	Aluminum	µg/L	21,800		2
	Cadmium	µg/L	3.4		1
	Manganese	µg/L	365		2
	pH	pH	3.5	J	1
	Silica, total	µg/L	14,300		2
	Specific conductance	µS/cm	465		1
	Uranium	µg/L	429		2
FSB 92D	Aluminum	µg/L	58,700		2
	Manganese	µg/L	740		2
	pH	pH	3.6	J	1
	Specific conductance	µS/cm	1,900		2
	Uranium	µg/L	90		2
FSB 93D	Aluminum	µg/L	20,300		2
	Lead	µg/L	8.6		1
	Manganese	µg/L	666		2
	Specific conductance	µS/cm	700		2
	Uranium	µg/L	285		2
FSB 94DR	Aluminum	µg/L	155,000		2
	Barium	µg/L	1,400		1
	Cesium-137	pCi/L	4.1E+02		2
	Cobalt	µg/L	104		2
	Manganese	µg/L	7,270		2
	Nickel	µg/L	81		1
	pH	pH	3.1	J	1
	Specific conductance	µS/cm	3,000		2
	Uranium	µg/L	3,170		2
FSB 95DR	Aluminum	µg/L	122,000		2
	Cesium-137	pCi/L	9.6E+02		2
	Cobalt	µg/L	41		2
	Iron	µg/L	151		1
	Manganese	µg/L	3,790		2
	Mercury	µg/L	2.0		1
	pH	pH	3.2	J	1
	Specific conductance	µS/cm	2,800		2
	Uranium	µg/L	5,380		2
FSB 97D	Aluminum	µg/L	70,800		2
	Cobalt	µg/L	50		2
	Iron	µg/L	519		2
	Manganese	µg/L	5,030		2
	pH	pH	3.9	J	1
	Specific conductance	µS/cm	2,200		2
	Uranium	µg/L	2,990		2
FSB 98D	Aluminum	µg/L	46,200		2
	Barium	µg/L	1,880		1
	Cadmium	µg/L	3.5		1
	Cobalt	µg/L	142		2
	Lead	µg/L	14		1

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	4Q92	Mod	Flag
	Manganese	µg/L	2,520		2
	Nickel	µg/L	56		1
	pH	pH	3.5	J	1
	Specific conductance	µS/cm	1,300		2
	Uranium	µg/L	3,280		2
FSB 99D	Aluminum	µg/L	240		2
	Uranium	µg/L	36		2
FSB104D	Aluminum	µg/L	46,000		2
	Cobalt	µg/L	46		2
	Manganese	µg/L	1,050		2
	pH	pH	3.6	J	1
	Specific conductance	µS/cm	700		2
	Uranium	µg/L	1,290		2
FSB105DR	Aluminum	µg/L	59,700		2
	Barium	µg/L	1,430		1
	Cobalt	µg/L	577		2
	Manganese	µg/L	2,980		2
	Nickel	µg/L	93		1
	pH	pH	3.4	J	1
	Specific conductance	µS/cm	2,600		2
	Uranium	µg/L	2,230		2
FSB106D	Aluminum	µg/L	151		2
	Iron	µg/L	1,500		2
	Nickel	µg/L	102		2
	Tritium	pCi/mL	1.7E+01		1
FSB107D	Aluminum	µg/L	1,700		2
	Manganese	µg/L	76		2
	Mercury	µg/L	1.5		1
	Total alpha-emitting radium	pCi/L	3.3E+00		1
	Uranium	µg/L	185		2
FSB108D	Aluminum	µg/L	148		2
	Lead	µg/L	8.6		1
	Tritium	pCi/mL	1.3E+01		1
FSB109D	Aluminum	µg/L	108		2
	Iron	µg/L	216		1
	Tritium	pCi/mL	2.0E+01		1
FSB111D	Aluminum	µg/L	46		1
	Tritium	pCi/mL	1.2E+01		1
FSB112D	Aluminum	µg/L	19,800		2
	Cadmium	µg/L	3.8		1
	Cobalt	µg/L	57		2
	Manganese	µg/L	1,090		2
	pH	pH	3.7	J	1

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	4Q92	Mod	Flag
	Specific conductance	µS/cm	1,500		2
FSB113D	Aluminum	µg/L	40		1
	Tritium	pCi/mL	1.2E+01		1
FSB114D	Aluminum	µg/L	73		2
FSB115D	Aluminum	µg/L	1,450		2
	Iron	µg/L	783		2
	Lead	µg/L	13	J2	1
	Manganese	µg/L	61		2
	Tritium	pCi/mL	1.1E+01		1
FSB116D	Aluminum	µg/L	363		2
	Iron	µg/L	1,080		2
	Total alpha-emitting radium	pCi/L	2.6E+00		1
	Tritium	pCi/mL	1.3E+01		1
FSB117D	Aluminum	µg/L	48,000		2
	Cadmium	µg/L	3.5		1
	Cobalt	µg/L	24		1
	Manganese	µg/L	1,060		2
	pH	pH	3.6	J	1
	Specific conductance	µS/cm	800		2
	Uranium	µg/L	2,180		2
FSB118D	Aluminum	µg/L	38		1
	Tritium	pCi/mL	1.2E+01		1
FSB119D	Aluminum	µg/L	104,000		2
	Cadmium	µg/L	4.6		1
	Cobalt	µg/L	42		2
	Iron	µg/L	3,240		2
	Manganese	µg/L	1,850		2
	pH	pH	3.6	J	1
	Specific conductance	µS/cm	1,400		2
	Uranium	µg/L	2,500		2
FSB120D	Aluminum	µg/L	106		2
	Iron	µg/L	175		1
	Lead	µg/L	11		1
	Total organic carbon	µg/L	5,560		1
	Tritium	pCi/mL	1.5E+01		1
FSB121DR	Aluminum	µg/L	2,650		2
	Iron	µg/L	294		1
	Manganese	µg/L	228		2
FSB122D	Aluminum	µg/L	120		2
	Manganese	µg/L	32		1
FSB123D	Aluminum	µg/L	92		2

Aquifer Zone IIB$_1$ (Barnwell/McBean)

Wells	Constituent	Unit	4Q92	Mod	Flag
FSB 76C	Aluminum	µg/L	30		1
FSB 78C	Aluminum	µg/L	13,200		2
	Cobalt	µg/L	288		2
	Manganese	µg/L	6,850		2
	Nickel	µg/L	108		2
	Specific conductance	µS/cm	1,680		2
	Uranium	µg/L	118		2
FSB 79C	Aluminum	µg/L	28,700		2
	Cobalt	µg/L	56		2
	Manganese	µg/L	1,230		2
	pH	pH	3.8	J	1
	Silica, total	µg/L	10,500		2
	Specific conductance	µS/cm	1,000		2
	Uranium	µg/L	473		2
FSB 87C	Aluminum	µg/L	61		2
FSB 88C	Aluminum	µg/L	34		1
FSB 89C	Aluminum	µg/L	41	J3	1
	Total organic halogens	µg/L	27		1
	Tritium	pCi/mL	2.0E+01		1
FSB 90C	Aluminum	µg/L	101		2
	Manganese	µg/L	34		1
	Total alpha-emitting radium	pCi/L	2.5E+00		1
FSB 91C	Aluminum	µg/L	7,970		2
	Cadmium	µg/L	4.0		1
	Iron	µg/L	164		1
	Lead	µg/L	13		1
	Manganese	µg/L	514		2
	Specific conductance	µS/cm	289		1
FSB 93C	Aluminum	µg/L	55		2
	Manganese	µg/L	96		2
	Nonvolatile beta	pCi/L	4.0E+01		1
	Specific conductance	µS/cm	290		1
	Total alpha-emitting radium	pCi/L	3.7E+00		1
FSB 94C	Aluminum	µg/L	27,400		2
	Cobalt	µg/L	387		2
	Iron	µg/L	226		1
	Manganese	µg/L	9,940		2
	Nickel	µg/L	98		1
	Specific conductance	µS/cm	1,800		2
FSB 95CR	Aluminum	µg/L	28,800		2
	Cobalt	µg/L	357		2
	Manganese	µg/L	6,400		2

Aquifer Zone IIB$_1$ (Barnwell/McBean)

Wells	Constituent	Unit	4Q92	Mod	Flag
	Nickel	µg/L	68		1
	Specific conductance	µS/cm	1,800		2
	Uranium	µg/L	617		2
FSB 97C	Aluminum	µg/L	42,900		2
	Cadmium	µg/L	2.6		1
	Cobalt	µg/L	213		2
	Lead	µg/L	9.1		1
	Manganese	µg/L	2,860		2
	pH	pH	3.9	J	1
	Silica, total	µg/L	15,800		2
	Specific conductance	µS/cm	1,900		2
	Uranium	µg/L	601		2
FSB 98C	Aluminum	µg/L	34,900		2
	Cadmium	µg/L	2.6		1
	Cobalt	µg/L	169		2
	Manganese	µg/L	2,690		2
	pH	pH	3.3	J	1
	Specific conductance	µS/cm	1,990		2
	Uranium	µg/L	688		2
FSB 99C	Aluminum	µg/L	226		2
	Manganese	µg/L	114		2
	Nitrate-nitrite as nitrogen	µg/L	7,800		1
FSB102C	Aluminum	µg/L	515		2
	Cadmium	µg/L	4.3		1
	Cobalt	µg/L	30		1
	Gross alpha	pCi/L	9.6E+00		1
	Manganese	µg/L	706		2
	Specific conductance	µS/cm	260		1
	Total alpha-emitting radium	pCi/L	4.8E+00		1
FSB103C	Aluminum	µg/L	50		2
FSB104C	Aluminum	µg/L	93		2
	Manganese	µg/L	32		1
	Specific conductance	µS/cm	340		1
FSB105C	Aluminum	µg/L	28,900		2
	Cadmium	µg/L	4.6		1
	Cobalt	µg/L	227		2
	Manganese	µg/L	2,260		2
	pH	pH	3.5	J	1
	Specific conductance	µS/cm	1,700		2
	Uranium	µg/L	189		2
FSB106C	Aluminum	µg/L	2,670		2
	Cobalt	µg/L	37		1
	Manganese	µg/L	728		2
	Specific conductance	µS/cm	600		2

Aquifer Zone IIB$_1$ (Barnwell/McBean)

Wells	Constituent	Unit	4Q92	Mod	Flag
FSB107C	Aluminum	µg/L	54		2
	Antimony	µg/L	5.0	J3	2
	Manganese	µg/L	60		2
	Nitrate as nitrogen	µg/L	6,420		1
	Nitrate-nitrite as nitrogen	µg/L	8,700		1
	Radium-228	pCi/L	4.1E+00		1
FSB110C	*Nitrate-nitrite as nitrogen*	µg/L	6,800		1
	Nonvolatile beta	pCi/L	2.7E+01		1
	Specific conductance	µS/cm	290		1
FSB111C	Aluminum	µg/L	45		1
	Total alpha-emitting radium	pCi/L	2.9E+00		1
FSB112C	Aluminum	µg/L	4,960		2
	Cobalt	µg/L	123		2
	Manganese	µg/L	2,340		2
	Total organic halogens	µg/L	34	J	1
FSB113C	Aluminum	µg/L	404		2
	pH	pH	12	J	2
	Specific conductance	µS/cm	600		2
	Tetrachloroethylene	µg/L	4.5		1
FSB115C	Aluminum	µg/L	72		2
FSB116C	Aluminum	µg/L	37		1
	Tritium	pCi/mL	1.3E+01		1
FSB120C	Aluminum	µg/L	295		2
	Manganese	µg/L	243		2
	Specific conductance	µS/cm	400		1
FSB121C	Aluminum	µg/L	39		1
FSB122C	Aluminum	µg/L	644		2
	Manganese	µg/L	205		2
	Specific conductance	µS/cm	440		1
FSB123C	Aluminum	µg/L	49		1

Aquifer Unit IIA (upper Congaree)

Well	Constituent	Unit	4Q92	Mod	Flag
FSB 76B	Aluminum	µg/L	32		1
FSB 78B	Aluminum	µg/L	32		1
FSB 79B	*Tritium*	pCi/mL	1.9E+01		1

Aquifer Unit IIA (upper Congaree)

Well	Constituent	Unit	4Q92	Mod	Flag
FSB 87B	Aluminum	µg/L	43		1
FSB 96AR	Aluminum	µg/L	38		1
FSB 97A	Aluminum	µg/L	136		2
	Silica, total	µg/L	21,600		2
FSB 98AR	Aluminum	µg/L	44		1
	Antimony	µg/L	2.7	J3	1
FSB 99A	Aluminum	µg/L	87		2
FSB100A	Aluminum	µg/L	46		1
	Nitrate-nitrite as nitrogen	µg/L	5,900		1
FSB101A	Aluminum	µg/L	44		1
FSB112A	Aluminum	µg/L	64		2
FSB113A	Aluminum	µg/L	4,600		2
	pH	pH	12	J	2
FSB114A	Aluminum	µg/L	141		2
	pH	pH	8.5	J	1
FSB120A	Aluminum	µg/L	1,800		2
	pH	pH	11	J	2
	Total organic carbon	µg/L	7,280		1

Aquifer Unit IIA (lower Congaree)

Well	Constituent	Unit	4Q92	Mod	Flag
FSB 78A	*Tritium*	pCi/mL	2.0E+01		1
FSB 79A	Aluminum	µg/L	39		1
	Tritium	pCi/mL	1.1E+01		1

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

[a] Flagging criteria for total radium were applied to total alpha-emitting radium.

Table 3. Groundwater Monitoring Results for Individual Wells

WELL FSB 76

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76141.6 E51388.8	33.278022 °N 81.679386 °W	227.0-197.0 ft msl	294.2 ft msl	4" PVC	S	Water table (UB_2)

SAMPLE DATE	01/19/92	04/26/92	07/07/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	219.3	218.7	218.5	218.4	ft msl
pH	4.4	4.6	4.4	4.9	pH
Sp. conductance	65	79	106	109	µS/cm
Water temperature	18.0	20.3	20.1	20.0	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	6.0	6.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	90	136	118	176		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	9.3	11	12	13		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	870	955	1,120	1,080		µg/L	GE	0
		Chloride	2,120	2,060	2,710	3,230		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	495	614	703	625		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 + 01	1.6E + 01	< 2.0E + 00	7.3E + 00		pCi/L	GE	0
		Iron	5.0	24	8.9	14		µg/L	GE	0
	■	Lead	29	46	53	50		µg/L	GE	2

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 FSB 76 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Magnesium	1,270	1,480	1,580	1,710		µg/L	GE	0
		Manganese	5.6	8.0	7.3	6.8		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	4.9	12	8.3	5.9		µg/L	GE	0
	■	Nitrate-nitrite as nitrogen	5,750	740	9,800	13,700		µg/L	GE	2
		Nonvolatile beta	9.9E+00	1.3E+01	<2.0E+00	1.4E+01		pCi/L	GE	0
•		pH	4.9	4.9	5.2	4.8	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	7,520	7,030	7,320	7,660		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	6,220	8,330	12,300	16,800		µg/L	GE	0
		Specific conductance	65	72	85	110		µS/cm	GE	0
		Sulfate	2,900	<1,000	<1,000	<1,000		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total activity	4.7E+05	5.6E+05	6.1E+05	7.0E+05		pCi/L	EM	0
	■	Total alpha-emitting radium	5.4E+00	6.5E+00	5.0E+00	8.4E+00		pCi/L	GE	2
		Total dissolved solids	35,000	64,000	68,000	85,000	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	280	454	<50		µg/L	GE	0
	■	Tritium	4.6E+02	5.2E+02	5.8E+02	6.6E+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	184	200	255	178		µg/L	GE	0

WELL FSB 76A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76131.9 E51391.6	33.278005 °N 81.679359 °W	47.4-36.9 ft msl	293.9 ft msl	PVC	S	L. Congaree (IIA)

SAMPLE DATE	01/19/92	04/26/92	07/07/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	155.6	155.6	155.9	150.2	ft msl
pH	6.1	6.4	7.1	6.9	pH
Sp. conductance	114	121	133	107	µS/cm
Water temperature	17.3	20.7	22.0	19.6	°C
Alkalinity as $CaCO_3$	37	39	47	43	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	21	22	23		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	21	23	26	24		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	17,300	19,100	21,100	22,600		µg/L	GE	0
		Chloride	2,460	2,380	2,320	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	<4.0	<4.0	4.5	<4.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	136	145	133	143		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 FSB 76A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	620	601	643	610		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	< 50	610		µg/L	GE	0
		Nonvolatile beta	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	2.3E + 00		pCi/L	GE	0
•		pH	6.8	6.8	6.6	7.1	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,140	1,370	1,450	1,070		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	27,900	29,200	27,800	28,200		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,750	1,810	2,000	1,790		µg/L	GE	0
		Specific conductance	105	100	120	110		µS/cm	GE	0
		Sulfate	7,190	8,200	8,050	7,320		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		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	92,000	84,000	86,000	97,000	V	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	20		µg/L	GE	0
		Total phosphates (as P)	300	270	370	270		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	6.3	< 2.0		µg/L	GE	0

WELL FSB 76B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76122.4 E51394.0	33.277988 °N 81.679335 °W	109.7-99.2 ft msl	293.8 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 02/17/92 04/26/92 07/07/92 11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	151.9	151.9	152.0	151.4	ft msl
pH	6.5	6.7	6.6	7.1	pH
Sp. conductance	130	131	132	120	µS/cm
Water temperature	18.3	20.3	21.4	18.6	°C
Alkalinity as $CaCO_3$	52	55	50	50	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	< 14	< 20	< 20	32		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	19	18	19	18		µg/L	GE	0
		Cadmium	< 0.35	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	23,600	22,600	24,100	27,100		µg/L	GE	0
		Chloride	3,250	2,350	2,230	2,350		µg/L	GE	0
		Chromium	2.4	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 0.88	< 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 FSB 76B continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Copper	4.8	6.7	6.7	7.4		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	147	140	129	148		µg/L	GE	0
		Gross alpha	<1.5E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	5.9	<4.0	<4.0	<4.0		µg/L	GE	0
		Lead	<2.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	726	672	703	698		µg/L	GE	0
		Manganese	4.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	<3.1	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	633					µg/L		
		Nitrate-nitrite as nitrogen		480	660	480		µg/L	GE	0
		Nonvolatile beta	3.2E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
•		pH	7.0	7.0	6.9	7.2	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	584	650	672	<500		µg/L	GE	0
		Radium-226	2.0E-01					pCi/L		
		Radium-228	1.0E-01					pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	21,400	21,300	20,300	20,200		µg/L	GE	0
		Silicon	8,720					µg/L		
		Silver	<0.70	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,690	1,560	1,630	1,510		µg/L	GE	0
		Specific conductance	128	108	130	15		µS/cm	GE	0
		Sulfate	3,260	3,020	2,980	2,570		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total alpha-emitting radium	1.3E+00	<1.0E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	107,000	76,000	83,000	91,000	V	µg/L	GE	0
		Total organic carbon	1,620	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	6.9		µg/L	GE	0
		Total phosphates (as P)	308	300	390	330		µg/L	GE	0
		Tritium	3.8E-01	<7.0E-01	<7.0E-01	<7.0E-01		pCi/mL	GE	0
		Uranium	0.080		<20	<20		µg/L	GE	0
		Vanadium	1.2	<8.0	<8.0	<8.0		µg/L	GE	0
		Zinc	5.0	<2.0	3.0	<2.0		µg/L	GE	0

WELL FSB 76C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76112.4 E51396.4	33.277970 °N 81.679309 °W	165.3-154.8 ft msl	293.6 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/19/92	04/03/92	07/07/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	214.2	212.3	213.6	213.4	ft msl
pH	5.3	5.7	5.8	6.0	pH
Sp. conductance	43	42	49	43	µS/cm
Water temperature	17.8	18.2	23.3	18.6	°C
Alkalinity as $CaCO_3$	7	10	14	9	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	30		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 FSB 76C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Barium	7.3	6.8	6.8	6.6		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	5,580	5,270	6,140	6,560		µg/L	GE	0
		Chloride	2,480	2,460	2,440	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	10	6.1	8.5	9.0		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	63	< 4.0	< 4.0	5.3		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	388	362	373	363		µg/L	GE	0
		Manganese	5.9	4.6	4.4	4.1		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	980					µg/L		
		Nitrate-nitrite as nitrogen		1,250	1,330	1,220		µg/L	GE	0
		Nonvolatile beta	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
•		pH	6.3	5.9	5.9	6.1	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	9,880	9,960	9,760	10,200		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,030	2,130	2,030	1,930		µg/L	GE	0
		Specific conductance	45	40	50	45		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		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	34,000	32,000	33,000	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	< 5.0	< 5.0	< 5.0	5.3		µg/L	GE	0
		Total phosphates (as P)	< 50	60	< 50	< 50		µg/L	GE	0
		Tritium	2.6E + 00	2.8E + 00	2.9E + 00	2.6E + 00		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	31	15	21	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 FSB 77

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75129.4 E50713.1	33.274681 °N 81.679198 °W	216.4-186.4 ft msl	273.3 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE	01/19/92	04/01/92	07/05/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	213.8	213.3	207.7	213.3	ft msl
pH	3.5	3.4	3.8	3.4	pH
Sp. conductance	1174	1050	1184	892	µS/cm
Water temperature	18.0	19.0	21.8	20.1	°C
Alkalinity as $CaCO_3$	0	0	0	0	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	30,100	24,600	31,000	30,400		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	147	131	148	161		µg/L	GE	0
	■	Cadmium	5.1	4.9	4.7	5.3		µg/L	GE	2
		Calcium	2,050	1,770	2,210	2,640		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	3,820	2,140	2,660	3,540		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	9.6	8.5	9.7	10		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	48	47	39	90		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	699	651	628	646		µg/L	GE	0
	■	Gross alpha	1.1E + 03	9.5E + 02	6.7E + 02	9.6E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	40	27	52	47		µg/L	GE	0
	■	Lead	24	19	19	31		µg/L	GE	2
		Magnesium	1,360	1,260	1,430	1,680		µg/L	GE	0
		Manganese	612	519	591	607		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
	■	Mercury	0.95	5.8	3.6	4.2		µg/L	GE	2
		Nickel	16	15	17	18		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	143,000	126,000	151,000	139,000		µg/L	GE	2
	■	Nonvolatile beta	1.7E + 03	1.8E + 03	2.1E + 03	2.1E + 03		pCi/L	GE	2
•		pH	3.7	3.6	3.5	3.7	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	572	628	660	< 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 FSB 77 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	18,100	16,600	17,800	19,100		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	54,700	42,700	43,000	42,200		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	950	1,250	980	800		µS/cm	GE	2
		Sulfate	13,800	2,400	3,990	3,540		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	8.3E + 06	8.6E + 06	8.7E + 06	6.9E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	8.2E + 01	9.9E + 01	7.4E + 01	6.1E + 01		pCi/L	GE	2
		Total dissolved solids	544,000	561,000	467,000	370,000	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	5.8		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	8.6E + 03	7.8E + 03	8.5E + 03	6.6E + 03		pCi/mL	GE	2
		Uranium			1,300	1,460		µg/L	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	35	40	78		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB 78

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74764.0 E50164.7	33.272978 °N 81.679932 °W	217.7-187.7 ft msl	272.6 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE	01/18/92	04/01/92	07/05/92	11/15/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	210.3	210.0	209.3	209.2	ft msl
pH	3.1	3.1	3.5	3.0	pH
Sp. conductance	2120	2290	2380	2250	µS/cm
Water temperature	18.4	20.3	21.8	21.8	°C
Alkalinity as $CaCO_3$	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	35,600	48,500	54,700	99,300		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	< 4.0		µg/L	GE	0
		Barium	314	331	365	388		µg/L	GE	0
	■	Cadmium	37	18	11	21		µg/L	GE	2
		Calcium	4,070	2,540	2,150	3,200		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			2.2E + 02	2.7E + 02		pCi/L	GP	2
		Cesium-137			2.1E + 02			pCi/L		
		Chloride	2,160	1,950	1,800	< 250		µg/L	GE	0
		Chromium	5.2	7.0	8.0	20		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	17	20	19	34		µg/L	GE	1
		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.

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

Well FSB 78 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Copper	58	43	51	58		µg/L	GE	0
•		Cyanide	<5.0	<5.0	<5.0	<5.0	J6	µg/L	GE	0
		Endrin	<0.0060					µg/L		
		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	116	167	142	145		µg/L	GE	0
	■	Gross alpha	8.6E+02	6.6E+02	8.1E+02	1.7E+03		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	175	90	89	105		µg/L	GE	0
		Lead	17	5.3	5.8	<3.0		µg/L	GE	0
		Lindane	<0.0050					µg/L		
		Magnesium	2,380	1,990	1,670	2,500		µg/L	GE	0
		Manganese	876	1,160	1,850	2,880		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Mercury	0.43	0.82	1.1	1.5		µg/L	GE	1
		Methoxychlor	<0.50					µg/L		
		Nickel	24	29	31	62		µg/L	GE	1
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	278,000	304,000	355,000	318,000		µg/L	GE	2
	■	Nonvolatile beta	3.5E+03	2.8E+03	1.7E+03	3.2E+03		pCi/L	GE	2
•		pH	3.5	3.2	3.2	3.1	J	pH	GE	1
		Phenols	<5.0					µg/L		
		Potassium	7,150	6,640	5,620	6,000		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		
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	123,000	138,000	140,000	133,000		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	224,000	223,000	679,000	<10		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	2,000	2,800	2,100	2,300		µS/cm	GE	2
		Sulfate		42,100	64,900	95,500		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total activity	1.7E+07	2.1E+07	2.0E+07	2.1E+07		pCi/L	EM	0
	■	Total alpha-emitting radium	7.8E+01	1.1E+02	5.3E+01	1.1E+02		pCi/L	GE	2
		Total dissolved solids	1.5E+06	1.8E+06	1.6E+06	1.4E+06	V	µg/L	GE	0
		Total organic carbon	3,000	3,000	3,210	1,950		µg/L	GE	0
		Total organic halogens	14	14	<5.0	13		µg/L	GE	0
		Total phosphates (as P)	70	<50	<50	<50		µg/L	GE	0
		Toxaphene	<0.24					µg/L		
	■	Tritium	1.8E+04	2.0E+04	2.0E+04	2.0E+04		pCi/mL	GE	2
		Uranium			2,590	3,520		µg/L	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	87	98	110	141		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 FSB 78A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74757.7 E50172.8	33.272977 °N 81.679898 °W	37.5-27.0 ft msl	272.6 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE	01/18/92	04/01/92	07/05/92	11/15/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	156.7	157.0	156.2	155.8	ft msl
pH	6.2	6.4	6.3	6.5	pH
Sp. conductance	113	101	108	101	µS/cm
Water temperature	18.0	21.2	20.7	19.6	°C
Alkalinity as $CaCO_3$	36	31	38	45	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	71	32	23	< 20		µg/L	GE	0
		Antimony	< 2.0	< 2.0	9.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	23	22	23	25		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	0.53	< 2.0		µg/L	GE	0
		Calcium	17,100	17,400	18,600	18,500		µg/L	GE	0
		Chloride	2,390	2,210	3,090	2,220		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	< 4.0	< 4.0	< 1.1	< 4.0		µg/L	GE	0
•		Cyanide	< 5.0	< 5.0	6.1	< 5.0	J6	µg/L	GE	0
		Fluoride	117	125	165	128		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	2.9E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	7.4	11		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 2.0	< 3.0		µg/L	GE	0
		Magnesium	594	622	666	624		µg/L	GE	0
		Manganese	4.4	3.7	17	2.8		µg/L	GE	0
		Mercury	< 0.20	< 0.20	0.21	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	< 3.1	< 4.0		µg/L	GE	0
		Nitrate as nitrogen			295			µg/L		
		Nitrate-nitrite as nitrogen	650	270	310	450		µg/L	GE	0
		Nonvolatile beta	< 2.0E + 00	2.1E + 00	5.0E + 00	2.8E + 00		pCi/L	GE	0
•		pH	6.8	6.6	6.6	6.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	872	971	1,020	934		µg/L	GE	0
		Radium-226			4.0E-01			pCi/L		
		Radium-228			9.3E-01			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	27,500	30,700	27,100	28,500		µg/L	GE	0
		Silver	< 2.0	< 2.0	1.8	< 2.0		µg/L	GE	0
		Sodium	2,300	1,950	1,960	1,850		µg/L	GE	0
		Specific conductance	100	118	103	95		µS/cm	GE	0
		Sulfate	6,270	6,890	6,840	6,790		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		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	84,000	71,000	117,000	101,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	1,000	587	< 1,000		µg/L	GE	0
		Total organic halogens	44	< 5.0	18	6.8		µg/L	GE	0
		Total phosphates (as P)	190	210	215	140		µg/L	GE	0
		Tritium	4.0E + 01	1.5E + 01	1.2E + 01	2.0E + 01		pCi/mL	GE	1
		Uranium			< 0.030	< 20		µg/L	GE	0
		Vanadium	< 8.0	< 8.0	< 0.88	< 8.0		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 FSB 78A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Zinc	< 2.0	< 2.0	5.3	2.2		µg/L	GE	0

WELL FSB 78B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74765.9 E50178.8	33.273005 °N 81.679898 °W	92.8-82.4 ft msl	272.8 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 01/18/92 04/01/92 07/05/92 11/15/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	154.9	155.3	154.6	154.5	ft msl
pH	7.1	7.1	7.1	7.5	pH
Sp. conductance	224	214	231	224	µS/cm
Water temperature	17.9	21.2	20.3	19.6	°C
Alkalinity as $CaCO_3$	75	63	86	87	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	32		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	41	41	47	49		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	36,500	35,600	41,200	44,000	J2	µg/L	GE	0
		Chloride	2,140	2,120	2,100	2,250		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	< 100	< 100	< 100		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	2.4E + 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	739	798	780	857		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	7,000	7,300	8,200	10,600		µg/L	GE	2
		Nonvolatile beta	6.3E + 00	2.5E + 00	8.9E + 00	9.5E + 00		pCi/L	GE	0
•		pH	7.6	7.4	7.5	7.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	538	634	756	589		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	18,100	18,100	17,400	18,600		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	5,000	5,190	5,320	6,100		µg/L	GE	0
		Specific conductance	222	182	230	190		µS/cm	GE	0
		Sulfate	1,010	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	2.5E + 05	2.4E + 05	2.3E + 05	2.6E + 05		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E + 00	1.1E + 00	< 1.0E + 00	1.3E + 00		pCi/L	GE	0
		Total dissolved solids	156,000	155,000	161,000	165,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	28	< 5.0	7.7		µg/L	GE	0
		Total phosphates (as P)	60	50	70	< 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 FSB 78B continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
	■	Tritium	2.5E+02	2.4E+02	2.3E+02	2.4E+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	2.1	<2.0	<2.0		µg/L	GE	0

WELL FSB 78C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74772.5 E50170.2	33.273006 °N 81.679934 °W	151.4-141.6 ft msl	273.5 ft msl	4" PVC	V	Barnwell (IIB_1)

SAMPLE DATE 01/19/92 04/02/92 07/05/92 11/16/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	209.5	209.5	208.7	208.4	ft msl
pH	4.2	4.4	4.4	4.1	pH
Sp. conductance	1810	1730	1859	1724	µS/cm
Water temperature	17.5	18.1	21.5	17.0	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	0.6	0.6	0.6	1.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	11,300	10,700	10,800	13,200		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	413	393	419	515		µg/L	GE	0
	■	Cadmium	14	12	13	26		µg/L	GE	2
		Calcium	123,000	114,000	122,000	158,000		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	2,360	2,660	2,890		µg/L	GE	0
		Chromium	<8.0	<8.0	<8.0	<16		µg/L	GE	0
		Chromium-51			<1.2E+02			pCi/L		
		Cobalt	244	220	242	288		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	54	198	33	<16		µg/L	GE	0
•		Cyanide	<5.0	<5.0	<5.0	<5.0	J6	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	2,320	1,950	1,820	1,820		µg/L	GE	0
	■	Gross alpha	7.7E+01	1.9E+02	9.6E+01	1.5E+02		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	92	138	96	65		µg/L	GE	0
	■	Lead	27	44	21	25		µg/L	GE	2
		Magnesium	21,900	20,700	21,400	26,900		µg/L	GE	0
		Manganese	5,710	5,180	5,720	6,850		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	90	85	98	108		µg/L	GE	2
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	255,000	255,000	295,000	268,000		µg/L	GE	2
	■	Nonvolatile beta	2.0E+03	1.8E+03	2.0E+03	1.6E+03		pCi/L	GE	2

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 FSB 78C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
•		pH	4.5	4.6	4.4	4.4	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	2,300	2,550	2,720	2,160		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	14,300	13,400	13,600	17,500		µg/L	GE	0
		Silver	<4.0	<4.0	<4.0	<8.0		µg/L	GE	0
		Sodium	89,100	80,500	86,300	105,000		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	1,600	2,100	1,500	1,680		µS/cm	GE	2
		Sulfate	8,800	<1,000	2,340	2,480		µg/L	GE	0
		Thallium	2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total activity	9.8E+06	1.0E+07	9.3E+06	8.8E+06		pCi/L	EM	0
■		Total alpha-emitting radium	5.5E+01	4.7E+01	2.7E+01	4.5E+01		pCi/L	GE	2
		Total dissolved solids	1.4E+06	1.6E+06	1.3E+06	1.3E+06	V	µg/L	GE	0
		Total organic carbon	3,000	6,000	2,750	<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	63	<50		µg/L	GE	0
■		Tritium	9.8E+03	9.6E+03	8.7E+03	8.2E+03		pCi/mL	GE	2
		Uranium			78	118		µg/L	GE	2
		Vanadium	<16	<16	<16	<32		µg/L	GE	0
		Yttrium-88			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Zinc	467	428	462	543		µg/L	GE	0
		Zinc-65			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Zirconium-95			<2.0E+01			pCi/L		

WELL FSB 79

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73663.1 E50139.7	33.270502 °N 81.677859 °W	204.1-174.1 ft msl	217.8 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE	01/20/92	05/21/92	07/05/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	203.6	202.2	202.3	191.4	ft msl
pH			3.6	3.2	pH
Sp. conductance			1251	2210	µS/cm
Water temperature			22.2	19.0	°C
Alkalinity as $CaCO_3$			0	0	mg/L
Volume purged			4.0	3.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum		44,100	41,900	55,300		µg/L	GE	2
		Antimony		<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	<4.0		µg/L	GE	0
		Barium		378	415	638		µg/L	GE	0
		Cadmium		3.4	3.6	2.3		µg/L	GE	0
		Calcium		1,840	1,930	2,950		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

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 FSB 79 continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cesium-137			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Chloride		1,550	1,590	3,040		µg/L	GE	0
		Chromium		< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt		158	166	348		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		31	31	43		µg/L	GE	0
		Cyanide		< 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		203	215	315		µg/L	GE	0
	■	Gross alpha		4.8E + 02	4.2E + 02	1.3E + 03		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron		162	146	277		µg/L	GE	1
		Lead		< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium		942	983	1,250		µg/L	GE	0
		Manganese		3,310	3,540	6,460		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury		2.2	0.45	0.90		µg/L	GE	0
		Nickel		25	27	39		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen		160,000	153,000	388,000		µg/L	GE	2
	■	Nonvolatile beta		8.7E + 02	1.1E + 03	1.7E + 03		pCi/L	GE	2
•		pH		3.5	3.5	3.5	J	pH	GE	1
		Potassium		775	917	< 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		µg/L	GE	0
		Silica		57,000	58,100	46,300		µg/L	GE	0
		Silver		< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium		56,400	57,100	118,000		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance		1,210	1,000	1,700		µS/cm	GE	2
•		Sulfate		10,500	11,700	26,100	J	µg/L	GE	0
		Thallium		< 2.0	< 2.0	2.5		µg/L	GE	2
		Total activity		1.1E + 07	9.2E + 06	1.8E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium		6.3E + 01	3.5E + 01	1.1E + 02		pCi/L	GE	2
		Total dissolved solids		632,000	519,000	907,000	V	µg/L	GE	0
		Total organic carbon		1,000	4,950	2,810		µg/L	GE	0
		Total organic halogens		< 5.0	< 5.0	6.1		µg/L	GE	0
		Total phosphates (as P)		60	< 50	< 50		µg/L	GE	0
	■	Tritium		1.1E + 04	9.2E + 03	1.7E + 04		pCi/mL	GE	2
		Uranium			1,150	1,000		µg/L	GE	2
		Vanadium		< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc		63	64	83		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 FSB 79A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73664.5 E50149.6	33.270522 °N 81.677836 °W	34.4-24.0 ft msl	218.1 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE	01/20/92	04/01/92	07/05/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	158.6	158.6	158.1	158.1	ft msl
pH	6.2	6.3	6.1	6.3	pH
Sp. conductance	80	76	86	76	µS/cm
Water temperature	18.4	17.8	22.3	19.0	°C
Alkalinity as $CaCO_3$	26	23	34	17	mg/L
Volume purged	4.0	4.0	4.4	2.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	31	< 20	33	39		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	18	18	22	20		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	12,600	12,700	14,500	13,600		µg/L	GE	0
		Chloride	2,320	2,230	2,060	2,240		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	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	< 100	< 100	125		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	542	559	546	590		µg/L	GE	0
		Manganese	< 2.0	< 2.0	3.3	< 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	240					µg/L		
		Nitrate-nitrite as nitrogen		420	760	330		µg/L	GE	0
		Nonvolatile beta	2.0E + 00	2.5E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
•		pH	6.6	6.5	6.4	6.4	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	674	733	824	741		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	19,400	21,000	18,600	19,900		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,620	1,670	2,030	1,810		µg/L	GE	0
		Specific conductance	81	79	88	75		µS/cm	GE	0
		Sulfate	3,130	3,550	3,350	3,280		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		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	53,000	60,000	63,000	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	< 5.0	< 5.0	< 5.0	14		µg/L	GE	0
		Total phosphates (as P)	160	130	259	120		µg/L	GE	0
		Tritium	1.1E + 01	1.1E + 01	6.0E + 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	< 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 FSB 79B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73666.1 E50159.2	33.270541 °N 81.677813 °W	91.2-80.7 ft msl	218.2 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	01/20/92	04/09/92	07/05/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	158.7	158.7	158.4	158.0	ft msl
pH	6.8	6.9	6.8	7.0	pH
Sp. conductance	158	154	165	149	µS/cm
Water temperature	17.7	19.1	22.0	18.6	°C
Alkalinity as $CaCO_3$	62	66	71	66	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	89	< 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	28	30	30	30		µg/L	GE	0
		Cadmium	< 2.0	0.97	< 2.0	< 2.0		µg/L	GE	0
		Calcium	29,200	33,000	31,500	31,200		µg/L	GE	0
		Chloride	2,250	2,710	2,040	2,190		µg/L	GE	0
		Chromium	< 4.0	2.1	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 0.88	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	1.2	< 4.0	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	122	142	116	167		µg/L	GE	0
		Gross alpha	< 2.0E + 00	2.1E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	143	< 4.0	4.3		µg/L	GE	0
		Lead	< 3.0	< 2.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	594	720	616	649		µg/L	GE	0
		Manganese	< 2.0	5.7	< 2.0	< 2.0		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	940	1,060				µg/L		
		Nitrate-nitrite as nitrogen		900	1,090	1,070		µg/L	GE	0
		Nonvolatile beta	2.8E + 00	4.3E + 00	< 2.0E + 00	2.1E + 00		pCi/L	GE	0
•		pH	7.2	7.4	7.0	6.9	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	600	524	< 500		µg/L	GE	0
		Radium-226		5.2E-01				pCi/L		
		Radium-228		1.8E + 01				pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	27,200	26,400	26,600	28,400		µg/L	GE	0
		Silver	< 2.0	< 0.70	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,650	1,900	1,800	1,890		µg/L	GE	0
		Specific conductance	161	150	151	150		µS/cm	GE	0
		Sulfate	1,950	2,530	2,000	2,110		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		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	109,000	118,000	111,000	121,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	6,810	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	30	< 5.0	11		µg/L	GE	0
		Total phosphates (as P)	350	719	412	360		µg/L	GE	0
		Tritium	1.8E + 01	1.9E + 01	1.8E + 01	1.9E + 01		pCi/mL	GE	1
		Uranium		0.17	< 20	< 20		µg/L	GE	0
		Vanadium	< 8.0	< 0.88	< 8.0	< 8.0		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 FSB 79B continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Zinc	< 2.0	55	2.1	< 2.0		µg/L	GE	0

WELL FSB 79C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73668.0 E50171.3	33.270565 °N 81.677785 °W	159.6-149.8 ft msl	218.4 ft msl	4" PVC	V	Barnwell (IIB_1)

SAMPLE DATE 01/20/92 04/01/92 07/05/92 11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	197.5	197.4	197.1	195.5	ft msl
pH	3.5	3.5	3.8	3.4	pH
Sp. conductance	1322	1265	1305	1111	µS/cm
Water temperature	17.5	17.6	21.6	19.0	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	6.8	2.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	27,200	43,100	25,200	28,700		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	321	528	321	342		µg/L	GE	0
	■	Cadmium	19	32	19	19		µg/L	GE	2
		Calcium	10,400	18,100	11,000	10,100		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	2,840	2,800	3,330		µg/L	GE	0
		Chromium	< 4.0	< 20	< 4.0	< 4.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	62	104	62	56		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	31	52	28	30		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	726	694	693	691		µg/L	GE	0
	■	Gross alpha	4.6E + 02	3.5E + 02	4.0E + 02	4.9E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	9.8	< 20	9.4	9.6		µg/L	GE	0
		Lead	4.8	3.2	< 3.0	6.6		µg/L	GE	0
		Magnesium	8,250	14,500	8,720	9,000		µg/L	GE	0
		Manganese	1,300	2,190	1,310	1,230		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	0.20	0.27	0.23	0.34		µg/L	GE	0
		Nickel	22	43	22	21		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	175,000	170,000	174,000	177,000		µg/L	GE	2
	■	Nonvolatile beta	3.3E + 03	3.2E + 03	3.0E + 03	3.0E + 03		pCi/L	GE	2
•		pH	3.8	3.7	3.6	3.8	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	1,120	< 2,500	1,340	1,010		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 FSB 79C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	16,700	9,520	10,500		µg/L	GE	0
		Silica, total			9,510	10,500		µg/L	GE	2
		Silver	< 2.0	< 10	< 2.0	< 2.0		µg/L	GE	0
		Sodium	39,700	65,400	37,100	37,000		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	1,100	1,500	1,050	1,000		µS/cm	GE	2
		Sulfate	4,660	< 1,000	1,160	1,730		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	1.0E + 07	9.7E + 06	9.7E + 06	8.6E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	1.1E + 02	5.2E + 01	9.8E + 01	8.4E + 01		pCi/L	GE	2
		Total dissolved solids	620,000	737,000	572,000	523,000	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	10	< 5.0	6.2		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	1.0E + 04	1.0E + 04	9.2E + 03	8.2E + 03		pCi/mL	GE	2
		Uranium			414	473		µg/L	GE	2
		Vanadium	< 8.0	< 40	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	69	119	66	64		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB 87A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75601.7 E50115.8	33.274751 °N 81.681688 °W	43.6-33.1 ft msl	287.8 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE	01/18/92	04/02/92	07/06/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	154.5	154.8	154.6	153.9	ft msl
pH	6.4	6.2	6.3	6.5	pH
Sp. conductance	102	93	105	95	µS/cm
Water temperature	19.1	19.2	25.2	19.9	°C
Alkalinity as $CaCO_3$	36	35	33	25	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		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	18	18	20	21		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	16,000	16,400	17,300	17,700		µg/L	GE	0
		Chloride	2,390	2,290	2,340	2,340		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

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 FSB 87A 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
		Fluoride	140	150	117	134		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	605	627	616	663		µg/L	GE	0
		Manganese	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Mercury	<0.20	<0.20	0.22	<0.20		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	270	150	180	250		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
•		pH	6.9	6.4	6.4	6.7	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	720	912	929	730		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	25,100	28,400	24,900	27,400		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,610	1,650	1,720	1,890		µg/L	GE	0
		Specific conductance	95	80	98	101		µS/cm	GE	0
		Sulfate	4,600	5,140	4,770	4,730		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		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	79,000	53,000	72,000	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	<5.0	11	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	300	270	300	280		µg/L	GE	0
		Tritium	1.6E+01	5.4E+00	4.9E+00	6.4E+00		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	4.3	<2.0		µg/L	GE	0

WELL FSB 87B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75597.0 E50104.9	33.274722 °N 81.681708 °W	100.5-90.0 ft msl	287.5 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	01/18/92	04/02/92	07/06/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	151.0	151.7	151.3	150.7	ft msl
pH	5.9	6.0	5.7	5.8	pH
Sp. conductance	69	64	73	66	µS/cm
Water temperature	17.6	19.4	24.0	20.0	°C
Alkalinity as $CaCO_3$	7	6	8	6	mg/L
Volume purged	4.0	4.0	4.0	3.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	35	24	43		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	3.0	<3.0	3.2	<3.0		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	8,320	8,910	9,360	9,510		µg/L	GE	0
		Chloride	2,040	1,820	1,730	1,840		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 FSB 87B 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	5.6	4.9	6.0		µg/L	GE	0
		Cyanide	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Fluoride	338	342	315	311		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	10		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	513	576	547	603		µg/L	GE	0
		Manganese	2.0	12	2.1	<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	4,050	4,550	4,500	4,900		µg/L	GE	0
		Nonvolatile beta	3.5E+00	3.9E+00	5.3E+00	3.0E+00		pCi/L	GE	0
•		pH	6.2	5.9	5.9	6.4	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	573	670	662	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	13,300	14,700	13,100	14,300		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	2,110	2,330	2,260	2,520		µg/L	GE	0
		Specific conductance	61	60	120	72		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		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	25,000	63,000	61,000	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	6.0	12	<5.0	11		µg/L	GE	U
		Total phosphates (as P)	1,130	1,340	1,250	1,130		µg/L	GE	0
	■	Tritium	6.2E+01	6.3E+01	5.9E+01	6.2E+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	4.7	5.3	8.1	2.7		µg/L	GE	0

WELL FSB 87C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75591.9 E50093.4	33.274692 °N 81.681728 °W	159.3-148.8 ft msl	287.5 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/18/92	04/01/92	07/06/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	210.7	210.3	210.0	209.9	ft msl
pH	5.8	5.5	5.6	5.9	pH
Sp. conductance	154	122	111	87	µS/cm
Water temperature	19.4	20.3	23.1	20.1	°C
Alkalinity as $CaCO_3$	5	6	7	7	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	61		µg/L	GE	2
		Antimony	2.7	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	23	19	16	15		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	12,200	9,480	9,030	8,120		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 FSB 87C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Chloride	2,390	2,200	2,100	2,120		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	7.9	13	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	<4.0	<4.0	<4.0	8.0		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	1,870	1,520	1,220	1,080		µg/L	GE	0
		Manganese	8.4	6.4	5.6	5.0		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	14,500	11,900	10,200	10,000		µg/L	GE	2
		Nonvolatile beta	1.0E+01	8.7E+00	5.4E+00	4.7E+00		pCi/L	GE	0
•		pH	6.1	6.2	6.0	6.4	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	<500	504	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Silica	9,360	9,470	9,160	9,860		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	11,900	10,300	8,200	7,580		µg/L	GE	0
		Specific conductance	155	108	108	85		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total activity	1.0E+06	7.5E+05	6.4E+05	5.5E+05		pCi/L	EM	0
		Total alpha-emitting radium	<1.0E+00	1.2E+00	<1.0E+00	1.0E+00		pCi/L	GE	0
		Total dissolved solids	135,000	116,000	86,000	81,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	8.8	24	<5.0	7.0		µg/L	GE	0
		Total phosphates (as P)	<50	200	<50	<50		µg/L	GE	0
	■	Tritium	9.6E+02	7.7E+02	6.1E+02	5.1E+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	16	20	19	13		µg/L	GE	0

WELL FSB 87D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75586.3 E50081.1	33.274660 °N 81.681749 °W	216.8-187.4 ft msl	287.3 ft msl	4" PVC	S	Water table (UB_2)

SAMPLE DATE	01/18/92	04/01/92	07/07/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	214.4	213.2	212.8	213.0	ft msl
pH	3.6	3.7	4.1	4.1	pH
Sp. conductance	118	88	87	72	µS/cm
Water temperature	18.3	20.3	24.8	20.5	°C
Alkalinity as $CaCO_3$	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	2,160	1,450	1,100	932		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 FSB 87D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Barium	15	16	18	25		µg/L	GE	0
		Cadmium	< 2.0	2.0	2.6	2.9		µg/L	GE	1
		Calcium	1,050	1,050	1,310	1,490		µg/L	GE	0
		Chloride	900	580	800	1,180		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	699	441	439	279		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Endrin	< 0.0060		< 0.0060			µg/L		
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
	■	Gross alpha	6.2E + 01	1.1E + 02	1.1E + 02	5.8E + 01		pCi/L	GE	2
		Iron	20	18	23	23		µg/L	GE	0
		Lead	11	6.4	17	5.1		µg/L	GE	0
		Lindane	< 0.0050		< 0.0050			µg/L		
		Magnesium	446	516	595	957		µg/L	GE	0
		Manganese	34	33	33	37		µg/L	GE	1
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Methoxychlor	< 0.50		< 0.50			µg/L		
		Nickel	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	6,500	4,750	4,400	4,300		µg/L	GE	0
		Nonvolatile beta	5.8E + 01	3.7E + 01	8.1E + 01	4.3E + 01		pCi/L	GE	1
•		pH	4.0	4.1	4.1	4.3	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		µg/L	GE	0
		Silica	93,500	95,700	78,700	70,000		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	4,800	4,300	3,910	4,310		µg/L	GE	0
		Specific conductance	115	90	70	77		µS/cm	GE	0
		Sulfate	70,100	10,700	12,800	9,250		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	2.1E + 05		8.9E + 04			pCi/L		
		Total alpha-emitting radium	2.0E + 00	4.7E + 00	2.4E + 00	2.7E + 00		pCi/L	GE	1
		Total dissolved solids	126,000	115,000	104,000	104,000	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	9.9		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		Toxaphene	< 0.24		< 0.24			µg/L		
	■	Tritium	2.1E + 02	9.5E + 01	7.7E + 01	7.0E + 01		pCi/mL	GE	2
		Uranium			304	277		µg/L	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	27	28	72	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 FSB 88C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75619.4 E51518.0	33.277078 °N 81.678031 °W	168.4-158.4 ft msl	283 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/19/92	04/03/92	07/04/92	11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	214.0	213.7	213.3	213.2	ft msl
pH	5.3	5.5	5.1	5.5	pH
Sp. conductance	50	41	49	44	µS/cm
Water temperature	17.0	16.8	20.7	18.8	°C
Alkalinity as $CaCO_3$	6	5	7	6	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	< 20	< 20	< 15	34		µg/L	GE	1
		Antimony	< 2.0	< 2.0	12	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	11	10	10	13		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 0.35	< 2.0		µg/L	GE	0
		Calcium	3,520	3,360	3,650	4,280		µg/L	GE	0
		Chloride	3,400	3,280	4,200	3,020		µg/L	GE	0
		Chromium	< 4.0	< 4.0	1.8	< 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	< 7.0E-01	< 2.0E + 00		pCi/L	GE	0
		Iron	6.7	4.2	22	19		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 2.0	< 3.0		µg/L	GE	0
		Magnesium	545	540	532	646		µg/L	GE	0
		Manganese	6.3	6.3	7.4	7.7		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	1,920		1,730			µg/L		
		Nitrate-nitrite as nitrogen		1,760	1,810	2,360		µg/L	GE	0
		Nonvolatile beta	< 2.0E + 00	< 2.0E + 00	1.7E + 00	< 2.0E + 00		pCi/L	GE	0
•		pH	5.9	5.8	5.7	5.8	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	386	< 500		µg/L	GE	0
		Radium-226			< 1.9E-01			pCi/L		
		Radium-228			2.0E + 00			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	8,480	8,650	8,340	8,940		µg/L	GE	0
		Silver	< 2.0	< 2.0	1.1	< 2.0		µg/L	GE	0
		Sodium	3,820	3,850	3,780	4,200		µg/L	GE	0
		Specific conductance	45	40	46	45		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		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	41,000	32,000	46,000	49,000	JV	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 500	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	16	49	6.7		µg/L	GE	0
		Total phosphates (as P)	90	90	111	< 50		µg/L	GE	0
	■	Tritium	2.6E + 01	1.8E + 01	1.7E + 01	3.2E + 01		pCi/mL	GE	2
		Uranium			0.50	< 20		µg/L	GE	0
		Vanadium	< 8.0	< 8.0	1.6	< 8.0		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 FSB 88C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Zinc	7.1	9.3	13	13		µg/L	GE	0

WELL FSB 88D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75621.8 E51527.0	33.277098 °N 81.678012 °W	222.1-202.1 ft msl	282.4 ft msl	4" PVC	V	Water table ($IIIB_2$)

SAMPLE DATE 01/20/92 04/03/92 07/04/92 11/10/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	217.7	217.4	216.9	217.1	ft msl
pH	5.8	4.7	4.8	4.3	pH
Sp. conductance	168	320	428	277	µS/cm
Water temperature	16.6	18.0	20.5	20.2	°C
Alkalinity as $CaCO_3$	21	0	5	0	mg/L
Volume purged	0.9	5.0	0.8	3.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	2,740	1,090	4,300		µg/L	GE	2
		Antimony	4.7	< 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	22	89	112	87		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	3,400	7,740	11,600	6,200		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	1,450	1,570	1,260	990		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	5.4	4.5		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	4.1	< 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	182	155	177		µg/L	GE	0
	■	Gross alpha	9.2E + 00	8.4E + 01	3.0E + 01	1.6E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	27	12	33	20		µg/L	GE	0
		Lead	< 3.0	< 3.0	15	< 3.0		µg/L	GE	0
		Magnesium	211	1,390	1,560	1,240		µg/L	GE	0
		Manganese	12	157	181	221		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
	■	Mercury	< 0.20	2.8	0.68	4.9		µg/L	GE	2
		Nickel	7.0	6.4	7.6	8.1		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	10,500	38,500	52,000	42,000		µg/L	GE	2
	■	Nonvolatile beta	3.2E + 01	2.8E + 02	2.2E + 02	4.4E + 02		pCi/L	GE	2
•		pH	6.2	4.8	4.9	4.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	14,600	12,500	19,800	6,880		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 FSB 88D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	14,700	27,700	23,000	29,900		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	19,700	40,600	53,300	31,200		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	179	290	400	240		µS/cm	GE	0
		Sulfate	4,540	1,530	< 1,000	2,670		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	4.4E + 05			2.6E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	1 9E + 00	9.6E + 00	9 3E + 00	1.0E + 01		pCi/L	GE	2
		Total dissolved solids	113,000	267,000	320,000	208,000	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	12	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	62	< 50		µg/L	GE	0
	■	Tritium	4 2E + 02	3.4E + 03	3.6E + 03	2.4E + 03		pCi/mL	GE	2
		Uranium			76	214		µg/L	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Yttrium-86			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	8.0	18	29	22		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB 89C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75553.2 E51345.2	33.276650 °N 81.678357 °W	166.1-156.1 ft msl	281.3 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	02/23/92	04/02/92	07/07/92	11/12/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	213.4	213.2	212.7	213.0	ft msl
pH	5.0	5.9	5 6	5.8	pH
Sp. conductance	57	62	61	55	µS/cm
Water temperature	19.1	19.0	22.6	20.0	°C
Alkalinity as $CaCO_3$	10	12	10	14	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
		Aluminum	< 14	< 20	330	41	J3	µg/L	WA	1
		Antimony	2.1	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	13	12	15	16	J3	µg/L	WA	0
		Cadmium	< 0.35	< 2.0	< 2.0	< 0.35		µg/L	WA	0
		Calcium	5,950	6,340	6,900	7,230		µg/L	GE	0
		Chloride	2,860	3,080	2,970	3,410		µg/L	WA	0
		Chromium	2.5	< 4.0	< 4.0	1.5	J3	µg/L	WA	0
		Cobalt	< 0.88	< 4.0	< 4.0	< 0.88		µg/L	WA	0
		Copper	< 1.1	< 4.0	9.8	1.2	J3	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

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 FSB 89C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Gross alpha	9.6E+00	< 2.0E+00	< 2.0E+00	1.0E+00		pCi/L	TM	0
		Iron	15	< 4.0	< 4.0	46	V	µg/L	WA	0
		Lead	2.9	< 3.0	< 3.0	< 2.0		µg/L	WA	0
		Magnesium	467	468	464	540		µg/L	WA	0
		Manganese	2.5	2.2	14	2.2		µg/L	WA	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 3.1	< 4.0	< 4.0	3.3	J3	µg/L	WA	0
		Nitrate as nitrogen	1,960			1,970		µg/L	WA	0
		Nitrate-nitrite as nitrogen		1,840	< 50	1,840		µg/L	GE	0
		Nonvolatile beta	6.8E+00	< 2.0E+00	< 2.0E+00	< 6.0E-01		pCi/L	TM	0
•		pH	6.6	5.9	5.9	6.3	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	469	< 500	< 500	588		µg/L	WA	0
		Radium-226	1.4E+00			< 2.6E-01		pCi/L	TM	0
		Radium-228	9.0E-01			1.0E+00		pCi/L	TM	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	8,820	9,340	8,460	9,120		µg/L	GE	0
		Silicon	3,790					µg/L		
		Silver	< 0.70	< 2.0	< 2.0	0.95	V	µg/L	WA	0
		Sodium	3,470	3,320	3,680	3,490		µg/L	GE	0
		Specific conductance	54	50	110	50		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	480		µg/L	WA	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		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	42,000	41,000	37,000	95,000	J	µg/L	WA	0
		Total organic carbon	< 500	< 1,000	< 1,000	992		µg/L	WA	0
		Total organic halogens	41	27	< 5.0	27		µg/L	GE	1
		Total phosphates (as P)	22	< 50	< 50	64		µg/L	WA	0
		Tritium	2.5E+01	2.0E+01	1.7E+01	2.0E+01		pCi/mL	TM	1
		Uranium	0.11		< 20	2.0E+04		pCi/L	TM	2
		Vanadium	< 0.88	< 8.0	< 8.0	1.4	V	µg/L	WA	0
		Zinc	8.1	2.9	15	13	V	µg/L	WA	0

WELL FSB 89D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75548.3 E51335.8	33.276623 °N 81.678372 °W	221.9-201.9 ft msl	281.2 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE 01/19/92 04/02/92 07/08/92 11/12/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	217.1	216.8	216.2	216.7	ft msl
pH	3.8	4.0	4.4	3.8	pH
Sp. conductance	278	282	313	327	µS/cm
Water temperature	17.1	19.0	24.9	21.0	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	0.6	3.4	Well vol

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	4,950	2,980	3,810	5,450		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	53	38	56	57		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	2.1		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 FSB 89D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Calcium	2,330	1,480	2,920	1,930		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	3,000	3,980	2,790	2,380		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	6.7		µg/L	GE	0
		Chromium-51			< 1.2E+02			pCi/L		
		Cobalt	8.2	5.4	6.5	10		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	15	20	18		µg/L	GE	0
•		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0	J6	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	177	134	163	184		µg/L	GE	0
	■	Gross alpha	1.5E+02	1.5E+02	3.6E+00	1.8E+02		pCi/L	GE	2
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	24	15	98	42		µg/L	GE	0
		Lead	5.9	4.9	20	5.2		µg/L	GE	0
		Magnesium	618	518	898	900		µg/L	GE	0
		Manganese	253	158	189	534		µg/L	GE	2
		Manganese-54			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
	■	Mercury	3.3	1.8	5.1	12		µg/L	GE	2
		Nickel	7.5	4.2	4.5	12		µg/L	GE	0
		Niobium-95			< 1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	27,500	29,600	320	37,400		µg/L	GE	2
	■	Nonvolatile beta	3.5E+02	3.3E+02	3.9E+00	5.7E+02		pCi/L	GE	2
•		pH	4.1	4.2	4.5	4.1	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	540	< 500	863	< 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		µg/L	GE	0
		Silica	15,000	12,400	12,900	11,700		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	25,600	35,300	38,000	41,800		µg/L	GE	0
		Sodium-22			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Specific conductance	275	265	250	285		µS/	GE	1
		Sulfate	26,600	2,310	3,960	3,290		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	1.9E+06	1.9E+06	1.9E+06	1.3E+06		pCi/L	EM	0
	■	Total alpha-emitting radium	1.4E+01	1.6E+01	1.4E+01	1.4E+01		pCi/L	GE	2
		Total dissolved solids	177,000	186,000	180,000	200,000	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	1.9E+03	1.3E+03	1.8E+03	1.2E+03		pCi/mL	GE	2
		Uranium			294	332		µg/L	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	31	22	30	20		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 FSB 90C

SRS Coord	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75382.9 E51148.6	33.275952 °N 81.678544 °W	168.1-158.1 ft msl	278.4 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/19/92	04/02/92	07/05/92	11/12/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	212.3	212.0	211.4	211.9	ft msl
pH	6.3	6.4	6.2	5.8	pH
Sp. conductance	202	204	206	159	µS/cm
Water temperature	17.4	21.1	22.7	20.2	°C
Alkalinity as $CaCO_3$	34	45	34	16	mg/L
Volume purged	4.0	5.0	4.0	3.1	Well vol

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	86	62	66	101		µg/L	GE	2
		Antimony	2.5	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	48	52	48	47		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	16,100	17,500	15,900	13,000		µg/L	GE	0
		Chloride	3,520	3,590	3,460	3,550		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	230	306	228	166		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	2.9E + 00	5.9E + 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	5,930	6,500	6,080	5,050		µg/L	GE	0
		Manganese	26	25	28	34		µg/L	GE	1
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	5.3	5.9	5.5		µg/L	GE	0
	■	Nitrate-nitrite as nitrogen	12,000	13,500	14,600	15,200		µg/L	GE	2
		Nonvolatile beta	2.5E + 01	1.7E + 01	2.1E + 01	2.0E + 01		pCi/L	GE	0
•		pH	6.7	6.7	6.5	6.3	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,030	1,090	1,140	1,120		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Silica	9,470	9,950	8,960	9,640		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	12,500	12,300	12,900	14,200		µg/L	GE	0
		Specific conductance	209	200	200	160		µS/cm	GE	0
		Sulfate	1,110	1,220	1,220	1,180		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	7.5E + 05	7.5E + 05	7.3E + 05	7.7E + 05		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E + 00	2.4E + 00	< 1.0E + 00	2.5E + 00		pCi/L	GE	1
		Total dissolved solids	144,000	151,000	133,000	130,000	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	9.1		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	7.7E + 02	7.6E + 02	7.1E + 02	7.2E + 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	10	9.1	11	14		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 FSB 90D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75376.9 E51140.7	33.275926 °N 81.678553 °W	225.1-205.1 ft msl	278.6 ft msl	4" PVC	V	Water table (UB_2)

SAMPLE DATE	01/20/92	04/15/92	07/05/92	11/12/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	216.0	234.6	215.0		ft msl
pH	4.0	4.3	4.7	3.7	pH
Sp. conductance	426	450	392	465	µS/cm
Water temperature	16.6	22.5	22.3	21.5	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	1.1	0.5	0.9		Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	3,140	9,270	6,060	11,500		µg/L	GE	2
		Antimony	8.3	< 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	134	119	195	109		µg/L	GE	0
		Cadmium	3.0	4.7	5.4	4.4		µg/L	GE	1
		Calcium	7,030	2,030	8,430	1,940		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	1,720	1,380	1,960	2,550		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	4.4	12	8.8	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	10	36	8.8	27		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	534	660	535	537		µg/L	GE	0
■		Gross alpha	3.0E + 02	2.9E + 02	1.7E + 02	3.1E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	58	141	100	40		µg/L	GE	0
■		Lead	24	58	34	30		µg/L	GE	2
		Magnesium	1,490	1,310	2,110	1,130		µg/L	GE	0
		Manganese	320	581	548	654		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
■		Mercury	< 0.20	0.64	< 0.20	4.5		µg/L	GE	2
		Nickel	10	13	14	17		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
■		Nitrate-nitrite as nitrogen	40,500	54,000	73,000	57,000		µg/L	GE	2
■		Nonvolatile beta	6.1E + 02	1.0E + 03	9.0E + 02	9.5E + 02		pCi/L	GE	2
•		pH	4.3	4.0	4.8	4.5	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	2,340	634	1,980	< 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 FSB 90D 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	13,000	16,500	14,600	16,400		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	44,500	54,000	50,700	43,400		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	435	435	305	380		µS/cm	GE	1
		Sulfate	< 1,000	1,540	1,940	1,120		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	1.6E + 06	2.4E + 06	2.2E + 06	2.9E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	3.6E + 00	2.1E + 01	2.1E + 01	1.9E + 01		pCi/L	GE	2
		Total dissolved solids	242,000	270,000	275,000	251,000	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	J	µg/L	GE	0
		Total phosphates (as P)	< 50	70	< 50	< 50		µg/L	GE	0
	■	Tritium	1.6E + 03	2.5E + 03	2.4E + 03	2.7E + 03		pCi/mL	GE	2
		Uranium			158	544		µg/L	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	64	118	70		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB 91C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75213.3 E50953.5	33.275259 °N 81.678728 °W	159.1-149.1 ft msl	279.3 ft msl	4" PVC	V	Barnwell (IIB_1)

SAMPLE DATE	01/22/92	04/15/92	07/05/92	11/16/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	212.5	211.9	211.7	211.7	ft msl
pH	5.5	5.4	5.2	4.9	pH
Sp. conductance	436	428	407	330	µS/cm
Water temperature	19.8	21.0	21.6	16.8	°C
Alkalinity as $CaCO_3$	11	10	6	2	mg/L
Volume purged	0.6	0.6	0.6	1.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	1,100	1,000	1,090	7,970		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	64	64	68		µg/L	GE	0
		Cadmium	4.5	3.0	3.1	4.0		µg/L	GE	1
		Calcium	11,100	9,620	9,800	8,120	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	1,990	2,020	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	9.8	7.1	8.0	19		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	5.9	5.2	6.0	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 FSB 91C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
•		Cyanide	<5.0	<5.0	<5.0	<5.0	J6	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	648	950	1,040	758		µg/L	GE	0
	■	Gross alpha	5.7E+01	3.9E+01	5.1E+01	6.1E+01		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	15	15	19	164		µg/L	GE	1
		Lead	4.1	4.2	6.7	13		µg/L	GE	1
		Magnesium	1,490	1,320	1,330	2,250		µg/L	GE	0
		Manganese	250	217	227	514		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	6.2	4.3	<4.0	12		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	52,500	49,000	47,000	18,800		µg/L	GE	2
	■	Nonvolatile beta	9.1E+02	1.1E+03	9.5E+02	9.8E+02		pCi/L	GE	2
•		pH	5.9	5.8	5.6	5.2	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	<500	613	<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	2,910	2,800	2,790	7,980		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	12,800	11,700	11,000	11,200		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	320	420	390	289		µS/cm	GE	1
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total activity	2.2E+06	1.8E+06	1.6E+06	1.3E+06		pCi/L	EM	0
	■	Total alpha-emitting radium	3.7E+01	5.9E+01	5.5E+01	4.6E+01		pCi/L	GE	2
		Total dissolved solids	376,000	359,000	321,000	267,000		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	5.9		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
	■	Tritium	2.2E+03	1.9E+03	1.6E+03	1.2E+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	39	18	20	<43		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 FSB 91D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75207.6 E50946.6	33.275235 °N 81.678735 °W	220.9-200.9 ft msl	279.2 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE	01/22/92	04/02/92	07/05/92	11/15/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit	
Water elevation	215.0	214.7	214.0	214.2	ft msl	
pH	3.4	3.5	3.7	3.6	pH	
Sp. conductance	772	655	621	499	µS/cm	
Water temperature	20.6	20.0	22.7	20.8	°C	
Alkalinity as $CaCO_3$	0	0	0	0	mg/L	
Volume purged	4.0	4.0	4.0	3.8		Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	26,600	25,500	22,800	21,800		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	251	221	177	155		µg/L	GE	0
		Cadmium	5.8	4.3	4.2	3.4		µg/L	GE	1
		Calcium	4,770	3,770	3,580	3,220		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	2,050	1,770	2,340		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	8.4	5.6	4.9	< 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	9.7	9.9	9.5	7.4		µg/L	GE	0
•		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0	J6	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	926	866	783	714		µg/L	GE	0
	■	Gross alpha	2.9E + 02	2.4E + 02	1.8E + 02	2.9E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	22	21	17	29		µg/L	GE	0
		Lead	6.7	6.5	6.6	< 3.0		µg/L	GE	0
		Magnesium	3,490	2,920	2,940	2,820		µg/L	GE	0
		Manganese	504	408	398	365		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	0.62	0.49	0.36	0.44		µg/L	GE	0
		Nickel	14	10	10	7.6		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	93,500	74,000	73,000	60,500		µg/L	GE	2
	■	Nonvolatile beta	8.4E + 02	7.6E + 02	5.6E + 02	4.9E + 02		pCi/L	GE	2
•		pH	3.8	3.6	3.6	3.5	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	678	917	946	< 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 FSB 91D 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	12,100	13,100	13,200	14,100		µg/L	GE	0
		Silica, total			13,500	14,300		µg/L	GE	2
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	34,200	25,800	25,700	16,700		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	550	750	482	465		µS/cm	GE	1
		Sulfate	4,900	1,230	2,500	2,000		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	4.6E + 06	4.0E + 06	4.7E + 06	2.9E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	1.8E + 01	4.2E + 01	2.3E + 01	1.1E + 01		pCi/L	GE	2
		Total dissolved solids	300,000	318,000	211,000	174,000	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
		Tributyl phosphate			< 10	< 10	J1	µg/L	GE	0
	■	Tritium	4.6E + 03	3.8E + 03	4.6E + 03	2.7E + 03		pCi/mL	GE	2
		Uranium			349	429		µg/L	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	32	28	22		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB 92D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75045.8 E50557.6	33.274242 °N 81.679445 °W	221.7-201.7 ft msl	275.9 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE	01/22/92	04/14/92	07/08/92	11/16/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	213.5	213.0	212.3	212.5	ft msl
pH	3.5	3.4	3.4	3.5	pH
Sp. conductance	1558	1734	1732	1841	µS/cm
Water temperature	19.9	20.7	23.5	21.1	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.9	4.0	4.0	3.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	41,200	50,500	48,600	58,700		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	< 4.0	< 8.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	405	386	269	290		µg/L	GE	0
	■	Cadmium	15	11	9.5	13		µg/L	GE	2
		Calcium	12,300	8,770	8,460	5,810		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			1.4E + 01	< 1.0E + 01		pCi/L	GP	0
		Cesium-137			2.0E + 01			pCi/L		
		Chloride	1,400	4,140	3,450	4,380		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	9.9	9.0	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 FSB 92D 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	9.1	4.9	< 4.0	8.0		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	900	1,250	891	947		µg/L	GE	0
	■	Gross alpha	2.9E + 02	3.2E + 02	1.2E + 02	3.8E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	140	11	16	29		µg/L	GE	0
		Lead	6.6	3.6	4.9	5.9		µg/L	GE	0
		Magnesium	10,300	6,880	5,990	4,400		µg/L	GE	0
		Manganese	641	730	664	740		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	< 0.20	0.27	< 0.20	0.45		µg/L	GE	0
		Nickel	17	19	20	26		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	200,000	250,000	255,000	290,000		µg/L	GE	2
	■	Nonvolatile beta	2.1E + 03	2.3E + 03	2.2E + 03	2.4E + 03		pCi/L	GE	2
•		pH	3.7	3.3	3.6	3.6	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	1,170	1,940	1,650	1,190		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	7,680	8,240	6,830	8,160		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	49,400	53,400	43,300	279,000		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	1,150	1,920	200	1,900		µS/cm	GE	2
		Sulfate	9,340	2,730	2,640	2,870		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	1.9E + 07	2.1E + 07	2.3E + 07	2.0E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium	8.8E + 01	1.6E + 02	9.4E + 01	1.4E + 02		pCi/L	GE	2
•		Total dissolved solids	750,000	746,000	784,000	898,000	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	6.4	< 5.0	16		µg/L	GE	0
		Total phosphates (as P)	< 50	120	< 50	< 50		µg/L	GE	0
	■	Tritium	1.2E + 04	2.4E + 04	2.3E + 04	2.0E + 04		pCi/mL	GE	2
		Uranium			47	90		µg/L	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	57	56	64	77		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 FSB 93C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74897.3 E50458.3	33.273752 °N 81.679418 °W	152.0-142.0 ft msl	276.2 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/21/92	04/14/92	07/08/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	210.4	209.9	209.5	209.5	ft msl
pH	4.8	4.8	4.9	5.1	pH
Sp. conductance	371	341	345	333	µS/cm
Water temperature	19.7	20.2	23.0	19.2	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	4.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	49	74	117	55		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	65	63	67		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	25,900	25,100	24,300	26,900		µg/L	GE	0
		Chloride	3,420	3,190	2,880	3,100		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	5.7	5.7	6.0	6.2		µg/L	GE	0
•		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	3.7E + 00	5.1E + 00	< 2.0E + 00	5.5E + 00		pCi/L	GE	0
		Iron	4.5	< 4.0	5.7	23		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	6,870	6,780	6,460	7,640		µg/L	GE	0
		Manganese	88	88	100	96		µg/L	GE	2
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	8.6	7.8	8.3	9.9		µg/L	GE	0
	■	Nitrate-nitrite as nitrogen	39,000	42,000	390	47,000		µg/L	GE	2
		Nonvolatile beta	4.8E + 01	3.9E + 01	3.7E + 01	4.0E + 01		pCi/L	GE	1
•		pH	5.1	4.9	5.1	5.1	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,030	1,310	1,180	1,120		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	9,590	10,700	10,100	10,500		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	26,600	26,500	25,100	28,100		µg/L	GE	0
		Specific conductance	450	380	230	290		µS/cm	GE	1
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	2.0E + 06	1.6E + 06	1.5E + 06	1.7E + 06		pCi/L	EM	0
		Total alpha-emitting radium	1.3E + 00	3.1E + 00	3.9E + 00	3.7E + 00		pCi/L	GE	1
		Total dissolved solids	272,000	268,000	261,000	299,000		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	7.9		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	1.8E + 03	1.6E + 03	1.5E + 03	1.5E + 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	90	88	89	96		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 FSB 93D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74888.5 E50452.4	33.273723 °N 81.679416 °W	217.9-197.9 ft msl	276.1 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE	01/22/92	04/14/92	07/08/92	11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	212.0	211.6	211.0	211.3	ft msl
pH	4.1	3.9	3.7	3.9	pH
Sp. conductance	833	909	1277	885	µS/cm
Water temperature	19.5	20.4	27.5	17.1	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	1.0	0.9	0.9	1.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	19,400	19,700	36,700	20,300		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	J1	µg/L	GE	0
		Barium	338	334	515	357		µg/L	GE	0
	■	Cadmium	23	22	26	23		µg/L	GE	2
		Calcium	21,500	19,300	16,800	27,300		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	3,960	2,860	4,640	3,230		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	5.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	10	9.1	13	9.1		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	28	27	23	25		µg/L	GE	0
•		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Endrin	< 0.0060		< 0.0060			µg/L		
		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	673	955	1,020	773		µg/L	GE	0
	■	Gross alpha	1.6E + 02	2.3E + 02	5.9E + 01	3.3E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	201	247	211	99		µg/L	GE	0
		Lead	16	20	21	8.6		µg/L	GE	1
		Lindane	< 0.0050		< 0.0050			µg/L		
		Magnesium	10,400	10,400	12,600	11,500		µg/L	GE	0
		Manganese	685	648	865	666		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
		Methoxychlor	< 0.50		< 0.50			µg/L		
		Nickel	14	14	18	18		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	107,000	121,000	173,000	126,000		µg/L	GE	2
	■	Nonvolatile beta	2.3E + 03	3.3E + 03	3.6E + 03	3.2E + 03		pCi/L	GE	2
•		pH	4.5	4.1	3.9	4.5	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	2,010	2,250	2,080	2,420		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.

• = exceeded holding time for 4th quarter 1992.

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

Well FSB 93D 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	J1	µg/L	GE	0
		Silica	11,700	13,300	13,600	13,100		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	51,400	64,600	63,300	66,200		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	600	900	1,400	700		µS/cm	GE	2
		Sulfate	56,000	5,410	4,820	5,850		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	9.4E + 06	9.9E + 06	1.6E + 07	1.1E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium	5.7E + 01	4.8E + 01	5.5E + 01	8.3E + 01		pCi/L	GE	2
		Total dissolved solids	504,000	524,000	669,000	549,000	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	J	µg/L	GE	0
		Total phosphates (as P)	< 50	70	< 50	< 50		µg/L	GE	0
		Toxaphene	< 0.24		< 0.24			µg/L		
	■	Tritium	9.2E + 03	1.0E + 04	1.5E + 04	1.0E + 04		pCi/mL	GE	2
		Uranium			324	285		µg/L	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	56	57	69	65		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB 94C

SRS Coord.	Lat./Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74869.0 E50180.0	33.273235 °N 81.680096 °W	149.8-139.8 ft msl	281.1 ft msl	4" PVC	V	Barnwell (IIB_1)

SAMPLE DATE	01/22/92	04/14/92	07/09/92	11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	209.7	209.7	208.6	208.7	ft msl
pH	4.4	4.7	4.2	4.4	pH
Sp. conductance	1973	1933	1948	1886	µS/cm
Water temperature	19.1	19.6	22.8	17.4	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	0.8	0.7	0.8	0.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	15,100	14,300	2,270	27,400		µg/L	GE	2
		Antimony	< 2.0	< 2.0	2.1	< 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	J1	µg/L	GE	0
		Barium	268	223	812	382		µg/L	GE	0
	■	Cadmium	10	8.9	< 4.0	15		µg/L	GE	2
		Calcium	51,000	39,200	177,000	71,400		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	5,680	2,220	1,870	3,350		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 8.0	< 8.0		µg/L	GE	0
		Chromium-51			< 1.2E + 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 FSB 94C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cobalt	227	206	15	387		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	9.7	9.3	< 8.0	21		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	2,960	3,960	2,980	1,880		µg/L	GE	0
	■	Gross alpha	4.8E + 01	6.2E + 01	< 2.0E + 00	7.9E + 01		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	215	186	< 8.0	226		µg/L	GE	1
		Lead	9.4	12	< 3.0	7.4		µg/L	GE	0
		Magnesium	8,250	14,900	2,750	12,100		µg/L	GE	0
		Manganese	6,320	5,500	1,600	9,940		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	60	53	< 8.0	98		µg/L	GE	1
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	280,000	288,000	265,000	308,000		µg/L	GE	2
	■	Nonvolatile beta	2.3E + 03	2.9E + 03	3.1E + 03	2.8E + 03		pCi/L	GE	2
•		pH	4.5	4.2	4.6	4.6	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	4,210	3,430	49,300	4,370		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	3,260	2,950	236	5,250		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 4.0	< 4.0		µg/L	GE	0
		Sodium	58,500	109,000	184,000	89,200		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	1,700	2,050	2,020	1,800		µS/cm	GE	2
		Sulfate	80,400	5,980	3,050	5,770		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	1.2E + 07	1.1E + 07	1.2E + 07	1.2E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium	3.2E + 01	7.1E + 01	6.6E + 01	6.3E + 01		pCi/L	GE	2
		Total dissolved solids	1.3E + 06	1.4E + 06	1.5E + 06	1.4E + 06	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	1,910	< 1,000		µg/L	GE	0
•		Total organic halogens	12	< 5.0	< 5.0	< 5.0	J	µg/L	GE	0
		Total phosphates (as P)	< 50	130	< 50	< 50		µg/L	GE	0
	■	Tritium	2.0E + 04	1.2E + 04	1.1E + 04	1.1E + 04		pCi/mL	GE	2
		Uranium			< 40	< 40		µg/L	GE	0
		Vanadium	< 8.0	< 8.0	< 16	< 16		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	94	86	< 4.0	181		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 FSB 94DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74869.1 E50162.9	33.273207 °N 81.680141 °W	203.4-183.3 ft msl	280.5 ft msl	4" PVC	S	Water table (IIB_2)

SAMPLE DATE: 01/21/92 | 04/14/92 | 07/08/92 | 11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	211.2	210.7	210.2	210.4	ft msl
pH	3.3	3.0	2.9	3.3	pH
Sp. conductance	2880	2790	2770	2650	µS/cm
Water temperature	19.5	20.6	21.4	20.3	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	1.4	1.4	12.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	124,000	114,000	119,000	155,000		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	2.1		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 2.0	< 8.0	< 10	< 2.0	J1	µg/L	GE	0
		Barium	1,250	1,150	1,040	1,400		µg/L	GE	1
		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	2.1	5.2	5.3	< 6.0		µg/L	GE	0
		Calcium	2,220	3,510	3,490	3,760		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		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			3.3E + 02	4.1E + 02		pCi/L	GP	2
		Chloride	5,100	2,620	2,850	1,150		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	7.2	7.2	6.6	< 12		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	60	77	98	104		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	85	85	95	113		µg/L	GE	0
•		Cyanide	18	< 5.0	< 5.0	< 5.0	J6	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)	2.3	< 1.0	3.4	2.5		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
		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 FSB 94DR *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	361	415	428	406		µg/L	GE	0
	■	Gross alpha	1.5E + 03	1.2E + 03	1.1E + 03	2.0E + 03		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	66	60	85	68		µg/L	GE	0
		Lead	8.9	6.5	15	4.5		µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	2,190	4,050	3,480	4,040		µg/L	GE	0
		Manganese	6,920	5,770	5,900	7,270		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
	■	Mercury	3.5	4.0	2.3	3.3		µg/L	GE	2
		Methoxychlor	< 0.50	< 0.50	< 0.50	< 0.50		µg/L	GE	0
		Nickel	58	57	61	81		µg/L	GE	1
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	420,000	402,000	420,000	445,000		µg/L	GE	2
	■	Nonvolatile beta	1.7E + 03	2.6E + 03	2.5E + 03	2.5E + 03		pCi/L	GE	2
•		pH	3.1	3.1	3.1	3.1	J	pH	GE	1
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Potassium	1,980	2,260	2,260	2,250		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	96,200	97,400	89,900	122,000		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 6.0		µg/L	GE	0
		Sodium	155,000	211,000	511,000	196,000		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	2,550	3,300	3,300	3,000		µS/cm	GE	2
•		Sulfate	426,000	24,600	33,600	96,200	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
		Thallium	2.6	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Toluene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Total activity	3.0E + 07	2.8E + 07	2.9E + 07	2.9E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium	9.3E + 01	8.5E + 01	7.0E + 01	5.1E + 01		pCi/L	GE	2
		Total dissolved solids	58,000	1.6E + 06	1.3E + 06	1.3E + 06	V	µg/L	GE	0
		Total organic carbon	6,000	5,000	5,000	2,930		µg/L	GE	0
•		Total organic halogens	29	13	5.5	19	J	µg/L	GE	0
		Total phosphates (as P)	< 50	80	< 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	3.0E + 04	3.0E + 04	2.8E + 04	2.7E + 04		pCi/mL	GE	2
		Uranium			2,270	3,170		µg/L	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 24		µg/L	GE	0
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	149	142	160	190		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 FSB 95CR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75001.9 E49987.8	33 27 3215 °N 81.680860 °W	161.9-151.9 ft msl	284 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/21/92	04/27/92	07/08/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	209.3	208.5	208.1	208.1	ft msl
pH	4.6	4.6	4.1	4.2	pH
Sp. conductance	1573	1633	1626	1601	µS/cm
Water temperature	19.1	19.6	22.4	20.4	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	6.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	17,400	16,600	19,600	28,800		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	J1	µg/L	GE	0
		Barium	452	398	438	687		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	8.0	6.4	8.0	13		µg/L	GE	2
		Calcium	49,000	38,800	43,100	65,100		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		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	2.8E + 06	3,320	3,290	4,460		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	U
		Chromium	< 4.0	< 4.0	< 4.0	< 8.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	227	191	226	357		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	16	15	18	25		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	3.4	2.7		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
		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 FSB 95CR 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	1,210	845	955	1,110		µg/L	GE	0
	■	Gross alpha	4.0E +02	5.4E +02	4.1E +02	4.9E +02		pCi/L	GE	2
		Iodine-131			< 2.0E +01			pCi/L		
		Iron	6.2	< 4.0	7.6	< 8.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	3.2	< 3.0		µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	9,350	7,350	8,290	13,700		µg/L	GE	0
		Manganese	4,010	3,390	4,040	6,400		µg/L	GE	2
		Manganese-54			< 1.0E +01	< 1.0E +01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	0.24		µg/L	GE	0
		Methoxychlor	< 0.50	< 0.50	< 0.50	< 0.50		µg/L	GE	0
		Nickel	46	35	44	68		µg/L	GE	1
		Niobium-95			< 1.5E +01			pCi/L		
	■	Nitrate-nitrite as nitrogen	216,000	216,000	223,000	258,000		µg/L	GE	2
	■	Nonvolatile beta	2.2E +03	3.0E +03	2.2E +03	2.4E +03		pCi/L	GE	2
•		pH	4.3	4.3	4.3	4.4	J	pH	GE	0
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Potassium	2,430	3,310	2,140	2,310		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	13,200	12,100	13,700	19,800		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 4.0		µg/L	GE	0
		Sodium	61,200	56,200	57,100	95,500		µg/L	GE	0
		Sodium-22			< 1.0E +01	< 1.0E +01		pCi/L	GP	0
		Specific conductance	1,350	1,500	1,880	1,800		µS/cm	GE	2
		Sulfate	11,200	5,650	4,850	5,500		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
		Thallium	< 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 activity	9.8E +06	9.4E +06	9.2E +06	9.5E +06		pCi/L	EM	0
	■	Total alpha-emitting radium	1.2E +02	1.1E +02	1.2E +02	8.2E +01		pCi/L	GE	2
		Total dissolved solids	1.1E +06	1.2E +06	1.1E +06	1.1E +06	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	8.2	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		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	20	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Trichlorofluoromethane	1.7	< 1.0	< 1.0	< 1.0		µg/L	GE	0
	■	Tritium	9.1E +03	9.2E +03	8.8E +03	9.1E +03		pCi/mL	GE	2
		Uranium			425	617		µg/L	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 16		µg/L	GE	0
		Yttrium-88			< 6.0E +01	< 6.0E +01		pCi/L	GP	0
		Zinc	162	128	151	254		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 FSB 95DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74991.7 E49996.0	33.273206 °N 81.680818 °W	207.0-187.0 ft msl	284.1 ft msl	4" PVC	S	Water table (llB_2)

SAMPLE DATE	01/21/92	04/14/92	07/07/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	211.5	210.9	210.3	210.4	ft msl
pH	3.4	2.9	3.0	3.1	pH
Sp. conductance	2560-	2630	2650	2630	µS/cm
Water temperature	18.3	20.9	23.8	20.5	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	8.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	74,000	105,000	131,000	122,000		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	< 8.0	< 10	< 2.0	J1	µg/L	GE	0
		Barium	603	831	802	622		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	3.1	2.2	2.5	2.2		µg/L	GE	0
		Calcium	1,630	2,120	2,090	2,320		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		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			9.8E + 02	9.6E + 02		pCi/L	GP	2
		Cesium-137			9.7E + 02			pCi/L		
		Chloride	2,880	2,140	2,550	< 250		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	5.0	6.9	7.7	4.9		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	34	47	40	41		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	75	123	144	89		µg/L	GE	0
•		Cyanide	16	< 5.0	< 5.0	< 5.0	J6	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)	2.7	< 1.0	4.4	2.4		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

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 FSB 95DR 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	266	347	309	276		µg/L	GE	0
	■	Gross alpha	1.2E+03	1.3E+03	2.1E+03	2.7E+03		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	174	152	214	151		µg/L	GE	1
	■	Lead	25	28	48	36		µg/L	GE	2
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	1,170	1,450	1,150	1,330		µg/L	GE	0
		Manganese	4,070	6,870	4,130	3,790		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Mercury	0.94	1.8	1.4	2.0		µg/L	GE	1
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	36	57	55	49		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	370,000	572,000	475,000	830,000		µg/L	GE	2
	■	Nonvolatile beta	1.7E+03	3.0E+03	3.3E+03	2.9E+03		pCi/L	GE	2
•		pH	3.2	3.2	3.1	3.2	J	pH	GE	1
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	2,140	2,420	1,810	1,540		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	108,000	122,000	123,000	125,000		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	230,000	262,000	600,000	<10		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	2,250	3,180	240	2,800		µS/cm	GE	2
•		Sulfate	398,000	45,900	60,400	95,200	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
		Thallium	<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 activity	2.4E+07	2.6E+07	2.7E+07	2.8E+07		pCi/L	EM	0
	■	Total alpha-emitting radium	6.4E+01	6.9E+01	6.1E+01	5.8E+01		pCi/L	GE	2
		Total dissolved solids	1.7E+06	1.7E+06	1.4E+06	1.5E+06	V	µg/L	GE	0
		Total organic carbon	4,000	3,000	2,710	1,410		µg/L	GE	0
•		Total organic halogens	13	6.3	<5.0	6.6	I	µg/L	GE	0
		Total phosphates (as P)	<50	100	<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	2.0	<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+04	2.8E+04	2.6E+04	2.5E+04		pCi/mL	GE	2
		Uranium			5,240	5,380		µg/L	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	112	153	155	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 FSB 96AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74914.9 E49746.6	33.272629 °N 81.681326 °W	89.0-79.0 ft msl	281.2 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	01/21/92	04/03/92	07/07/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	153.5	153.8	153.5	153.3	ft msl
pH	7.4	7.3	6.9	7.3	pH
Sp. conductance	177	163	175	158	µS/cm
Water temperature	19.5	19.4	22.3	19.7	°C
Alkalinity as $CaCO_3$	76	73	77	80	mg/L
Volume purged	4.0	4.0	4.0	3.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	38		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	36	38		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	29,800	30,000	32,500	34,200	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	2,260	2,260	2,140	2,260		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)	5.1	1.9	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	< 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	4.1		µg/L	GE	0
		Lead	4.8	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	639	645	627	668		µg/L	GE	0
		Manganese	5.1	4.5	3.6	3.0		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 FSB 96AR 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
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	260					µg/L		
		Nitrate-nitrite as nitrogen		340	300	290		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	2.1E+00		pCi/L	GE	0
•		pH	7.6	7.2	7.1	7.3	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	620	996	874	725		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	23,300	23,600	22,800	24,200		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,790	2,200	1,910	2,010		µg/L	GE	0
		Specific conductance	171	145	170	140		µS/cm	GE	0
		Sulfate	1,380	1,680	1,560	1,470		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
		Thallium	<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	102,000	106,000	103,000	108,000		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)	70	60	90	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	8.6E+00	1.1E+01	6.8E+00	7.3E+00		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	3.3	3.1	<2.0		µg/L	GE	0

WELL FSB 97A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75171.2 E49965.7	33.273554 °N 81.681247 °W	95.8-85.8 ft msl	286.1 ft msl		S	U. Congaree (IIA)

SAMPLE DATE	01/21/92	04/09/92	07/09/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	152.7	154.6	152.4	152.2	ft msl
pH	7.1			7.0	pH
Sp. conductance	253			233	µS/cm
Water temperature	20.5			20.1	°C
Alkalinity as $CaCO_3$	74			70	mg/L
Volume purged	4.0	0.3		4.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	69			136		µg/L	GE	2
		Antimony	<2.0			<2.0		µg/L	GE	0
		Arsenic	<2.0			<2.0		µg/L	GE	0
		Barium	43			46		µg/L	GE	0
		Cadmium	<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 FSB 97A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Calcium	38,800			43,400		µg/L	GE	0
		Chloride	2,290			2,360		µg/L	GE	0
		Chromium	<4.0			<4.0		µg/L	GE	0
		Cobalt	<4.0			<4.0		µg/L	GE	0
		Copper	<4.0			<4.0		µg/L	GE	0
		Cyanide	<5.0			<5.0		µg/L	GE	0
		Fluoride	<100			<100		µg/L	GE	0
		Gross alpha	<2.0E+00			2.6E+00		pCi/L	GE	0
		Iron	<4.0			89		µg/L	GE	0
		Lead	<3.0			3.8		µg/L	GE	0
		Magnesium	1,160			1,370		µg/L	GE	0
		Manganese	6.8			19		µg/L	GE	0
		Mercury	<0.20			<0.20		µg/L	GE	0
		Nickel	<4.0			<4.0		µg/L	GE	0
		Nitrate-nitrite as nitrogen	10,500			680		µg/L	GE	0
		Nonvolatile beta	1.8E+01			9.3E+00		pCi/L	GE	0
•		pH	7.2			7.6	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	587			506		µg/L	GE	0
		Selenium	<2.0			<2.0	J1	µg/L	GE	0
		Silica	17,300			19,400		µg/L	GE	0
		Silica, total				21,600		µg/L	GE	2
		Silver	<2.0			<2.0		µg/L	GE	0
		Sodium	7,120			7,600		µg/L	GE	0
		Specific conductance	270			190		µS/cm	GE	0
		Sulfate	<1,000			<1,000		µg/L	GE	0
		Thallium	<2.0			<2.0		µg/L	GE	0
		Total activity	4.1E+05			3.9E+05		pCi/L	EM	0
		Total alpha-emitting radium	<1.0E+00			1.0E+00		pCi/L	GE	0
		Total dissolved solids	186,000			180,000	V	µg/L	GE	0
		Total organic carbon	<1,000			<1,000		µg/L	GE	0
•		Total organic halogens	8.3			<5.0	J	µg/L	GE	0
		Total phosphates (as P)	60			70		µg/L	GE	0
		Tributyl phosphate				<10	J1	µg/L	GE	0
	■	Tritium	4.1E+02			3.5E+02		pCi/mL	GE	2
		Uranium				<20		µg/L	GE	0
		Vanadium	<8.0			<8.0		µg/L	GE	0
		Zinc	4.2			7.3		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 FSB 97C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75179.6 E49970.6	33.273580 °N 81.681250 °W	153.8-143.8 ft msl	286.1 ft msl	4" PVC	V	Barnwell (IIB$_1$)

SAMPLE DATE	01/22/92	04/09/92	07/09/92	11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	209.9	209.7	209.1	208.9	ft msl
pH	3.9	3.9	3.9	3.7	pH
Sp. conductance	2380	1387	1388	1848	µS/cm
Water temperature	19.4	23.4	24.1	17.3	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	0.8	4.0	4.0	1.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	41,700	29,100	29,700	42,900		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	9.7	< 2.0	< 2.0	< 4.0	J2	µg/L	GE	0
		Barium	296	236	248	320		µg/L	GE	0
		Cadmium	2.9	3.1	2.7	2.6		µg/L	GE	1
		Calcium	15,200	17,200	15,800	12,800		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	5,560	920	2,940	4,280		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	195	149	156	213		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	24	31	25	30		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	762	653	590	621		µg/L	GE	0
	■	Gross alpha	1.1E + 03	1.2E + 02	4.2E + 02	8.7E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	103	43	40	103		µg/L	GE	0
		Lead	20	13	9.3	9.1		µg/L	GE	1
		Magnesium	2,500	3,290	3,220	2,610		µg/L	GE	0
		Manganese	2,610	2,070	2,200	2,860		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	37	30	29	37		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	355,000	180,000	193,000	313,000		µg/L	GE	2
	■	Nonvolatile beta	1.6E + 03	7.4E + 02	9.8E + 02	1.6E + 03		pCi/L	GE	2
•		pH	4.1	3.6	3.9	3.9	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	1,300	1,190	1,130	748		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 FSB 97C 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	13,600	12,100	12,400	15,700		µg/L	GE	0
		Silica, total			12,600	15,800		µg/L	GE	2
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	29,200	25,900	24,400	26,100		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	2,100	1,300	1,400	1,900		µS/cm	GE	2
		Sulfate	28,600	1,540	2,500	2,890		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	2.1E + 07	1.0E + 07	9.9E + 06	1.7E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium	6.9E + 01	1.0E + 02	9.7E + 01	1.0E + 02		pCi/L	GE	2
		Total dissolved solids	1.2E + 06	744,000	606,000	878,000	V	µg/L	GE	0
		Total organic carbon	2,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
	•	Total organic halogens	< 5.0	17	< 5.0	< 5.0	J	µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
		Tributyl phosphate			45	44	J1	µg/L	GE	0
	■	Tritium	2.1E + 04	1.0E + 04	9.5E + 03	1.5E + 04		pCi/mL	GE	2
		Uranium			430	601		µg/L	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	78	81	79	83		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB 97D

SRS Coord.	Lat/Longitude	Screen Zo'	Elevation	Top of Casing	Casing	Pump	Formation
N75188.9 E49975.5	33.273609 °N 81.681255 °W	216.9-196	' ft msl	286 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE	02/18/92	04/15/92	07/16/92	11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	212.2	211.9	211.3	211.5	ft msl
pH	3.6	3.8	3.3	3.8	pH
Sp. conductance	2510	254	2610	2400	µS/cm
Water temperature	17.6	21.3	22.0	17.8	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	1.1	1.2	1.1	1.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	72,700	70,200	84,200	70,800		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	< 10	< 8.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	925	963	1,070	988		µg/L	GE	0
	■	Cadmium	2.6	2.8	2.2	8.1		µg/L	GE	2
		Calcium	60,000	57,600	51,500	62,600		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			3.6E + 01	3.6E + 01		pCi/L	GP	0
		Cesium-137			2.6E + 01			pCi/L		
		Chloride	2,840	2,020	2,200	4,220		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	71	61	63	50		µg/L	GE	2

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 FSB 97D 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	68	73	71	95		µg/L	GE	0
•		Cyanide	< 5.0	< 5.0	7.5	< 5.0	J6	µg/L	GE	0
		Endrin	< 0.0060		< 0.0060			µg/L		
		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	405	653	496	477		µg/L	GE	0
	■	Gross alpha	1.3E + 03	1.3E + 03	1.2E + 03	1.2E + 03		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	2,910	903	1,020	519		µg/L	GE	2
	■	Lead	130	113	89	92		µg/L	GE	2
		Lindane	< 0.0050		< 0.0050			µg/L		
		Magnesium	2,590	3,240	2,700	7,600		µg/L	GE	0
		Manganese	4,950	5,320	6,090	5,030		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
		Methoxychlor	< 0.50		< 0.50			µg/L		
		Nickel	67	47	51	45		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	356,000	358,000	885,000	388,000		µg/L	GE	2
	■	Nonvolatile beta	1.3E + 03	2.1E + 03	2.1E + 03	2.2E + 03		pCi/L	GE	2
•		pH	3.9	3.6	3.9	3.9	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	1,750	1,950	1,730	1,680		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	< 10	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	64,000	62,500	59,900	66,300		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	241,000	294,000	673,000	< 10		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	2,080	2,600	2,220	2,200		µS/cm	GE	2
•		Sulfate	536,000	33,100	35,800	29,300	J6	µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	2.6E + 07	2.1E + 07	2.6E + 07	2.2E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium	3.8E + 01	4.9E + 01	3.6E + 01	4.7E + 01		pCi/L	GE	2
		Total dissolved solids	1.9E + 06	1.8E + 06	1.6E + 06	1.6E + 06	V	µg/L	GE	0
		Total organic carbon	3,000	3,000	2,950	1,620		µg/L	GE	0
•		Total organic halogens	23	6.4	< 5.0	< 5.0	J6	µg/L	GE	0
		Total phosphates (as P)	110	80	< 50	< 50		µg/L	GE	0
		Toxaphene	< 0.24		< 0.24			µg/L		
	■	Tritium	2.7E + 04	2.5E + 04	2.1E + 04	2.2E + 04		pCi/mL	GE	2
		Uranium			2,990	2,990		µg/L	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	203	197	197	188		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 FSB 98A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75389.8 E50121.6	33.274291 °N 81.681261 °W	94.7-84.7 ft msl	283 ft msl			

SAMPLE DATE 01/21/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation					ft msl
pH					pH
Sp. conductance					µS/cm
Water temperature					°C
Alkalinity as $CaCO_3$					mg/L
Volume purged					Well vol.

WELL FSB 98AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75362.0 E50105.8	33.274204 °N 81.681249 °W	92.1-82.1 ft msl	284 ft msl		S	

SAMPLE DATE 03/01/92 05/12/92 07/10/92 11/15/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	151.8	152.3	151.7	152.1	ft msl
pH	7.6	7.1	6.4	7.7	pH
Sp. conductance	166	157	151	149	µS/cm
Water temperature	20.0	20.4	21.0	20.0	°C
Alkalinity as $CaCO_3$	69	49	61	64	mg/L
Volume purged	8.1	4.0	5.7	3.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	42	185	44		µg/L	GE	1
		Antimony	< 2.0	< 2.0	< 2.0	2.7	J3	µg/L	WA	1
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	48	43	47	46		µg/L	GE	0
		Benzene	< 1.0	< 5.0	< 1.0	< 1.0		µg/L	GE	0
		Bromodichloromethane	< 1.0	< 5.0	< 1.0	< 1.0		µg/L	GE	0
		Bromoform	< 1.0	< 5.0	< 1.0	< 1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)	< 1.0	< 5.0	< 1.0	< 1.0		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	1.5	V	µg/L	WA	0
		Calcium	23,600	24,600	23,900	26,000	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 5.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	2,250	2,080	2,180	2,190		µg/L	GE	0
		Chlorobenzene	< 1.0	< 5.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethane	< 1.0	< 5.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)	< 1.0	< 5.0	< 1.0	< 1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether	< 1.0	< 5.0	< 1.0	< 1.0		µg/L	GE	0
		Chloroform	< 1.0	< 5.0	< 1.0	< 1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)	< 1.0	< 5.0	< 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 FSB 98AR continued

ANALYTICAL DATA

I	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Chromium	<4.0	<4.0	<4.0	2.8	J3	µg/L	WA	0
		Cobalt	<4.0	<4.0	<4.0	<0.88		µg/L	WA	0
		Copper	<4.0	<4.0	<4.0	<1.1		µg/L	WA	0
•		Cyanide	<5.0	<5.0	<5.0	<5.0	J6	µg/L	GE	0
		Dibromochloromethane	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)	<1.0	7.4	1.5	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid		<0.30	<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		cis-1,3-Dichloropropene	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		Endrin		<0.0060	<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	120	101	128		µg/L	WA	0
		Gross alpha	<2.0E+00	<2.0E+00	<2.0E+00	3.5E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	<4.0	9.3		µg/L	WA	0
		Lead	<3.0	<3.0	<3.0	<2.0		µg/L	WA	0
		Lindane		<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	784	733	719	706		µg/L	GE	0
		Manganese	12	17	28	12		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Methoxychlor		<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	<4.0	<4.0	<4.0	<3.1		µg/L	WA	0
		Nitrate as nitrogen				1,200		µg/L	WA	0
		Nitrate-nitrite as nitrogen	1,040	1,080	1,090	1,020		µg/L	GE	0
		Nonvolatile beta	2.1E+00	6.5E+00	<2.0E+00	7.6E+00		pCi/L	TM	0
•		pH	7.6	7.5	7.4	7.7	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	5,850	2,910	3,060	4,380		µg/L	GE	0
		Radium-226				6.1E-01		pCi/L	TM	0
		Radium-228				1.2E+00		pCi/L	TM	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	19,100	19,000	19,700	19,800		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<0.70		µg/L	WA	0
		Sodium	5,940	3,740	4,640	4,270		µg/L	GE	0
		Specific conductance	125	159	130	185		µS/cm	GE	0
		Sulfate	1,320	1,180	1,090	2,130		µg/L	WA	0
		1,1,2,2-Tetrachloroethane	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Toluene	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		Total activity	2.0E+04					pCi/L		
		Total alpha-emitting radium	1.4E+00	2.9E+00	<1.0E+00	1.7E+00		pCi/L	GE	0
•		Total dissolved solids	104,000	100,000	82,000	115,000	JV	µg/L	WA	0
		Total organic carbon	<1,000	16,800	<1,000	<500		µg/L	WA	0
		Total organic halogens	5.2	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	300	130	204	218		µg/L	WA	0
		Toxaphene		<0.24	<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)		<0.090	<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		Trichloroethylene	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<5.0	<1.0	<1.0		µg/L	GE	0
	■	Tritium	1.6E+01	1.7E+01	1.6E+01	2.0E+01		pCi/mL	TM	2
		Uranium			<20	0.16		µg/L	TM	0
		Vanadium	<8.0	<8.0	<8.0	<0.88		µg/L	WA	0
		Zinc	<2.0	<2.0	2.5	3.1	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 FSB 98C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75381.2 E50116.5	33.274264 °N 81.681258 °W	156.8-146.8 ft msl	283.1 ft msl	4" PVC	V	Barnwell (IIB_1)

	01/21/92	05/12/92	07/09/92	11/15/92
SAMPLE DATE				

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	211.1	199.2	209.5	208.7	ft msl
pH	3.2	3.4	3.1	3.2	pH
Sp. conductance	1693	1788	1851	2240	µS/cm
Water temperature	20.7	20.9	25.1	21.3	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.8	2.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	23,800	24,000	26,300	34,900		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	2.3		µg/L	GE	0
		Antimony-125			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 4.0		µg/L	GE	0
		Barium	166	190	209	287		µg/L	GE	0
		Cadmium	2.6	3.2	3.1	2.6		µg/L	GE	1
		Calcium	2,400	2,710	2,580	2,500		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	4,650	2,750	2,600	4,190		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	95	101	115	169		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	23	23	25	30		µg/L	GE	0
•		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0	J6	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	457	462	475	445		µg/L	GE	0
	■	Gross alpha	8.1E+02	4.9E+02	6.2E+02	1.5E+03		pCi/L	GE	2
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	7.8	6.3	7.5	11		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	1,150	1,230	1,270	1,130		µg/L	GE	0
		Manganese	1,470	1,690	1,910	2,690		µg/L	GE	2
		Manganese-54			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Mercury	0.26	0.35	0.45	0.63		µg/L	GE	0
		Nickel	15	13	16	21		µg/L	GE	0
		Niobium-95			< 1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	202,000	256,000	260,000	303,000		µg/L	GE	2
	■	Nonvolatile beta	1.4E+03	1.8E+03	1.9E+03	1.9E+03		pCi/L	GE	2
•		pH	3.4	3.3	3.4	3.3	J	pH	GE	2
		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 FSB 98C 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	16,400	17,300	19,400	23,600		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	16,100	18,400	19,900	28,800		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	1,450	1,500	1,950	1,990		µS/cm	GE	2
		Sulfate	12,600	2,790	4,360	5,210		µg/L	GE	0
		Thallium	2.2	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	1.3E + 07	1.5E + 07	1.5E + 07	1.8E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium	1.2E + 02	1.4E + 02	1.1E + 02	1.2E + 02		pCi/L	GE	2
		Total dissolved solids	670,000	842,000	760,000	899,000	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	1.3E + 04	1.4E + 04	1.4E + 04	1.7E + 04		pCi/mL	GE	2
		Uranium			501	688		µg/L	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	31	33	35	44		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB 98D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75371.9 E50111.6	33.274235 °N 81.681253 °W	218.8-198.8 ft msl	283.1 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE	01/22/92	04/09/92	07/10/92	11/15/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	213.9	213.1	212.5	212.4	ft msl
pH	4.1	3.4	3.3	3.5	pH
Sp. conductance	2220	1973	1892	1315	µS/cm
Water temperature	19.4	24.0	22.0	22.1	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	1.0	4.0	2.0	4.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	65,300	54,900	48,900	46,200		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	< 20	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	1,700	1,780	1,690	1,880		µg/L	GE	1
		Cadmium	6.3	2.2	< 4.0	3.5		µg/L	GE	1
		Calcium	24,500	3,860	6,200	6,710		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	2,780	1,420	1,580	1,790		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 8.0	10		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	179	162	147	142		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	63	71	163	104		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 FSB 98D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
•		Cyanide	<5.0	<5.0	<5.0	<5.0	J6	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	406	363	583	315		µg/L	GE	0
	■	Gross alpha	1.1E+03	1.4E+03	8.3E+02	1.8E+03		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	551	165	354	96		µg/L	GE	0
		Lead	22	9.6	17	14		µg/L	GE	1
		Magnesium	5,230	1,330	1,930	2,280		µg/L	GE	0
		Manganese	5,340	3,370	3,230	2,520		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	56	46	45	56		µg/L	GE	1
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	335,000	262,000	263,000	188,000		µg/L	GE	2
	■	Nonvolatile beta	1.5E+03	1.6E+03	1.2E+03	1.4E+03		pCi/L	GE	2
•		pH	4.1	3.2	3.7	3.5	J	pH	GE	2
		Phenols	<5.0					µg/L		
		Potassium	6,110	1,700	1,910	1,100		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	64,600	72,400	74,800	74,800		µg/L	GE	0
		Silver	<2.0	<2.0	<4.0	<2.0		µg/L	GE	0
		Sodium	218,000	230,000	198,000	154,000		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	2,000	1,900	1,800	1,300		µS/cm	GE	2
		Sulfate	14,400	2,340	1,960	3,450		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total activity	2.2E+07	1.7E+07	1.4E+07	1.1E+07		pCi/L	EM	0
	■	Total alpha-emitting radium	5.1E+01	1.5E+02	4.6E+01	5.6E+01		pCi/L	GE	2
		Total dissolved solids	1.5E+06	1.3E+06	1.1E+06	736,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	2,910	<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	<50	<50	<50		µg/L	GE	0
	■	Tritium	2.2E+04	1.7E+04	1.2E+04	9.9E+03		pCi/mL	GE	2
		Uranium			3,210	3,280		µg/L	GE	2
		Vanadium	<8.0	<8.0	<16	<8.0		µg/L	GE	0
		Yttrium-88			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Zinc	118	98	106	99		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 FSB 99A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75675.6 E50314.8	33.275239 °N 81.681308 °W	102 9-92 9 ft msl	287 6 ft msl		S	U Congaree (IIA)

SAMPLE DATE	01/21/92	04/03/92	07/15/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	150.9	151.3	150.8	150.8	ft msl
pH	7.3	6.8	6.3	7.1	pH
Sp. conductance	161	147	162	143	µS/cm
Water temperature	18.0	20.0	20.5	21.2	°C
Alkalinity as $CaCO_3$	60	56	57	62	mg/L
Volume purged	4.0	4.0	4.0	5.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	35	34	69	87		µg/L	GE	2
		Antimony	< 2.0	< 2.0	4.5	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	37	36	37	38		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	0.38	< 2.0		µg/L	GE	0
		Calcium	25,700	23,900	26,500	27,800		µg/L	GE	0
		Chloride	2,070	2,020	2,030	2,100		µg/L	GE	0
		Chromium	< 4.0	< 4.0	3.6	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	1.7	< 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	146	146	136		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	1.6E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	19	54		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 2.0	< 3.0		µg/L	GE	0
		Magnesium	1,210	1,200	1,170	1,220		µg/L	GE	0
		Manganese	6.6	6.5	7.5	12		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	2,900		4,000			µg/L		
		Nitrate-nitrite as nitrogen		3,450	3,400	3,420		µg/L	GE	0
		Nonvolatile beta	3.9E + 00	2.6E + 00	5.3E + 00	< 2.0E + 00		pCi/L	GE	0
•		pH	7.4	7.2	7.2	7.2	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	772	882	1,030	906		µg/L	GE	0
		Radium-226			9.5E-01			pCi/L		
		Radium-228			8.5E-01			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	18,000	17,300	17,100	18,100		µg/L	GE	0
		Silver	< 2.0	< 2.0	3.1	< 2.0		µg/L	GE	0
		Sodium	2,930	3,240	3,190	3,320		µg/L	GE	0
		Specific conductance	165	128	145	120		µS/cm	GE	0
		Sulfate	1,040	1,020	1,040	< 1,000		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/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	105,000	110,000	143,000	5,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 500	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	87	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	220	250	358	210		µg/L	GE	0
	■	Tritium	1.2E + 02	1.2E + 02	1.2E + 02	1.1E + 02		pCi/mL	GE	2
		Uranium			0.21	< 20		µg/L	GE	0
		Vanadium	< 8.0	< 8.0	1.3	< 8.0		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 FSB 99A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Zinc	< 2.0	< 2.0	5.2	< 2.0		µg/L	GE	0

WELL FSB 99C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75683.7 E50320.6	33.275266 °N 81.681308 °W	167.2-157.2 ft msl	287.7 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/21/92	04/13/92	07/14/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	211.7	210.9	210.5	210.4	ft msl
pH	5.6	5.1	5.2	5.5	pH
Sp. conductance	348	318	329	288	µS/cm
Water temperature	18.0	20.8	20.5	19.1	°C
Alkalinity as $CaCO_3$	4	1	4	2	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	155	204	145	226		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	83	83	83	83		µg/L	GE	0
		Benzene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Beryllium			< 3.0			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
		Cadmium	2.1	2.3	2.6	2.4		µg/L	GE	0
		Calcium	15,600	15,200	15,700	16,200		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		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	4,080	3,900	3,720	3,800		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
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	5.7	5.9	5.7	6.1		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)	2.3	< 1.0	1.4	2.2		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 FSB 99C 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
		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+01	1.5E+01	9.0E+00	2.1E+01		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	4.3	9.0	5.5	9.1		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	7,870	7,900	7,900	8,020		µg/L	GE	0
		Manganese	102	111	109	114		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
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	5.0	<4.0	8.4	4.8		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
		Nitrate-nitrite as nitrogen	38,500	36,400	36,000	7,800		µg/L	GE	1
	■	Nonvolatile beta	1.1E+02	1.4E+02	1.0E+02	1.0E+02		pCi/L	GE	2
•		pH	5.8	5.8	5.5	5.5	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	875	989	968	836		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	8,690	9,230	9,040	9,350		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	27,200	26,400	26,700	27,100		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	270	315	290	230		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
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Tin			2.3			µg/L		
		Toluene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Total activity	2.2E+05	1.9E+06	1.9E+06	1.9E+06		pCi/L	EM	0
	■	Total alpha-emitting radium	1.2E+01	1.1E+01	9.2E+00	7.4E+00		pCi/L	GE	2
		Total dissolved solids	262,000	227,000	121,000	224,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
•		Total organic halogens	8.8	10	13	<5.0	J6	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	26	26	37		µg/L	GE	2
		Trichlorofluoromethane	<1.0	<1.0	1.6	3.4		µg/L	GE	0
	■	Tritium	2.1E+03	1.9E+03	1.8E+03	1.6E+03		pCi/mL	GE	2
		Uranium			<2.0	<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	45	38	44	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 FSB 99D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75691.7 E50326.9	33.275294 °N 81.681307 °W	218.1-198.1 ft msl	287.6 ft msl	4" PVC	S	Water table (IIB_2)

SAMPLE DATE	01/21/92	04/03/92	07/14/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	215.1	214.5	213.7	213.9	ft msl
pH	4.9	4.9	5.3	4.0	pH
Sp. conductance	48	41	56	37	µS/cm
Water temperature	18.9	19.1	26.1	20.0	°C
Alkalinity as $CaCO_3$	0	0	8	0	mg/L
Volume purged	4.0	4.0	0.7	5.3	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	120	130	< 20	240		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	9.0	8.9	12	8.6		µg/L	GE	0
		Cadmium	< 2.0	7.2	< 2.0	< 2.0		µg/L	GE	0
		Calcium	1,050	950	1,690	799		µg/L	GE	0
		Chloride	2,840	2,470	2,040	2,200		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	8.5	< 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	8.1E + 00	1.2E + 01	9.4E + 00	2.0E + 01		pCi/L	GE	2
		Iron	23	15	28	21		µg/L	GE	0
		Lead	< 3.0	< 3.0	11	4.8		µg/L	GE	0
		Magnesium	216	226	337	232		µg/L	GE	0
		Manganese	16	14	23	16		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 as nitrogen	2,460					µg/L		
		Nitrate-nitrite as nitrogen		2,340	1,870	2,160		µg/L	GE	0
		Nonvolatile beta	8.8E + 00	9.5E + 00	1.4E + 01	1.5E + 01		pCi/L	GE	0
	•	pH	4.9	5.0	5.8	4.9	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	< 500	773	< 500		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	12,800	11,900	12,100	11,800		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	5,240	5,370	6,580	4,290		µg/L	GE	0
		Specific conductance	48	40	45	30		µS/cm	GE	0
		Sulfate	30,300	3,340	3,280	2,600		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	1.1E + 00	< 1.0E + 00	1.3E + 00		pCi/L	GE	0
		Total dissolved solids	40,000	33,000	38,000	35,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	11	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	60	137	< 50		µg/L	GE	0
	■	Tritium	1.1E + 02	6.9E + 01	4.1E + 01	4.2E + 01		pCi/mL	GE	2
		Uranium			< 20	36		µg/L	GE	2
		Vanadium	< 8.0	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	6.1	10	31	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 FSB100A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75534.4 E50958.4	33.275977 °N 81.679339 °W	105.8-95.8 ft msl	286 ft msl		S	U. Congaree (IIA)

SAMPLE DATE	01/26/92	04/03/92	07/10/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	152.1	152.1	151.8	151.8	ft msl
pH	6.8	6.9	6.8	7.2	pH
Sp. conductance	192	180	190	176	µS/cm
Water temperature	19.3	18.7	22.3	19.3	°C
Alkalinity as $CaCO_3$	51	60	63	72	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	17	46		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	43	44	45	51		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 0.35	< 2.0		µg/L	GE	0
		Calcium	26,100	26,000	27,800	28,900	J2	µg/L	GE	0
		Chloride	2,400	2,290	2,310	2,370		µg/L	GE	0
		Chromium	< 4.0	< 4.0	2.9	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 0.88	< 4.0		µg/L	GE	0
		Copper	< 4 0	< 4.0	< 1.1	< 4.0		µg/L	GE	0
		Cyanide	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Fluoride	< 100	102	< 100	< 100		µg/L	GE	0
		Gross alpha	3.0E + 00	2.0E + 00	1.8E + 00	2.8E + 00		pCi/L	GE	0
		Iron	< 4.0	< 4.0	8.9	4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 2.0	< 3.0		µg/L	GE	0
		Magnesium	1,620	1,600	1,570	1,820		µg/L	GE	0
		Manganese	< 2.0	< 2.0	2.2	< 2.0		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	< 4.0	< 4.0	3.3	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	5,700		5,400			µg/L		
		Nitrate-nitrite as nitrogen		6,000	5,900	5,900		µg/L	GE	1
		Nonvolatile beta	8.2E + 00	3.0E + 00	8.4E + 00	1.3E + 01		pCi/L	GE	0
•		pH	7.3	7.2	7.3	7.3	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,800	1,600	1,840	2,350		µg/L	GE	0
		Radium-226			1.3E + 00			pCi/L		
		Radium-228			2.0E + 00			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	16,300	17,200	16,600	18,000		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 0.70	< 2.0		µg/L	GE	0
		Sodium	7,640	7,310	7,230	7,600		µg/L	GE	0
		Specific conductance	150	157	173	145		µS/cm	GE	0
		Sulfate	1,180	1,330	1,270	1,330		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total alpha-emitting radium	1.4E + 00	1.2E + 00	< 1.0E + 00	1.6E + 00		pCi/L	GE	0
		Total dissolved solids	119,000	131,000	138,000	117,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 500	< 1,000		µg/L	GE	0
		Total organic halogens	17	< 5.0	36	< 5.0		µg/L	GE	0
		Total phosphates (as P)	150	210	279	100		µg/L	GE	0
	■	Tritium	1.9E + 02	1.8E + 02	1.8E + 02	1.5E + 02		pCi/mL	GE	2
		Uranium			0.36	< 20		µg/L	GE	0
		Vanadium	< 8.0	< 8.0	2.5	< 8.0		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 FSB100A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Zinc	2.7	4.4	8.7	2.6		µg/L	GE	0

WELL FSB101A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75719.0 E51191.3	33.276765 °N 81.679085 °W	102.9-92.9 ft msl	285.2 ft msl		S	U. Congaree (IIA)

SAMPLE DATE 01/22/92 04/26/92 07/08/92 11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	152.8	152.2	152.0	151.9	ft msl
pH	6.8	7.2	6.8	7.2	pH
Sp. conductance	162	161	164	143	µS/cm
Water temperature	19.4	19.5	21.5	18.9	°C
Alkalinity as $CaCO_3$	60	58	49	71	mg/L
Volume purged	4.0	4.0	4.0	4.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	73	16	73	44		µg/L	GE	1
		Antimony	< 2.0	4.5	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	31	33	35	36		µg/L	GE	0
		Cadmium	< 2.0	2.1	< 2.0	< 2.0		µg/L	GE	0
		Calcium	26,100	27,700	26,300	29,600		µg/L	GE	0
		Chloride	2,700	3,300	2,570	2,660		µg/L	GE	0
		Chromium	< 4.0	1.8	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 0.88	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	3.2	< 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	3.3E + 00	< 2.0E + 00	2.3E + 00		pCi/L	GE	0
		Iron	< 4.0	8.5	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	7.7	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	645	654	683	716		µg/L	GE	0
		Manganese	< 2.0	0.38	3.4	< 2.0		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	1,430	1,870				µg/L		
		Nitrate-nitrite as nitrogen		1,440	1,540	1,330		µg/L	GE	0
		Nonvolatile beta	2.5E + 00	6.6E + 00	< 2.0E + 00	3.4E + 00		pCi/L	GE	0
•		pH	7.4	7.8	6.9	7.3	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	2,630	3,250	2,790	2,130		µg/L	GE	0
		Radium-226		< 5.0E-01				pCi/L		
		Radium-228		1.6E + 00				pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	17,200	17,500	16,300	17,400		µg/L	GE	0
		Silver	< 2.0	< 0.70	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,830	3,030	3,040	2,590		µg/L	GE	0
		Specific conductance	170	153	145	121		µS/cm	GE	0
		Sulfate	1,410	1,770	1,600	1,530		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		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	106,000	99,000	114,000	94,000		µg/L	GE	0
		Total organic carbon	< 1,000	534	< 1,000	< 1,000		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 FSB101A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Total organic halogens	7.5	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	100	121	121	50		µg/L	GE	0
		Tritium	<7.0E-01	4.5E-01	<7.0E-01	<7.0E-01		pCi/mL	GE	0
		Uranium		0.80	<20	<20		µg/L	GE	0
		Vanadium	<8.0	0.95	<8.0	<8.0		µg/L	GE	0
		Zinc	<2.0	16	2.1	<2.0		µg/L	GE	0

WELL FSB102C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73582.9 E50834.8	33.271459 °N 81.675873 °W	155.9-145.9 ft msl	201.1 ft msl	4" PVC	V	Barnwell (IIB_1)

SAMPLE DATE	01/21/92	04/13/92	07/13/92	11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	195.7	195.6	195.2	195.4	ft msl
pH	4.3	4.1	4.1	4.5	pH
Sp. conductance	337	311	298	263	µS/cm
Water temperature	18.4	17.8	19.0	18.3	°C
Alkalinity as $CaCO_3$	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	725	726	710	515		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	86	86	80	80		µg/L	GE	0
		Cadmium	4.6	4.7	5.1	4.3		µg/L	GE	1
		Calcium	14,800	14,500	13,900	14,200	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	2,180	1,720	1,680	1,840		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	34	33	32	30		µg/L	GE	1
		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	282	345	275	229		µg/L	GE	0
		Gross alpha	4.3E+00	5.7E+00	<2.0E+00	9.6E+00		pCi/L	GE	1
		Iodine-131			<2.0E+01			pCi/L		
		Iron	5.3	4.2	<4.0	13		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	4,700	4,710	4,480	4,640		µg/L	GE	0
		Manganese	768	758	736	706		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Mercury	0.54	0.50	0.58	0.64		µg/L	GE	0
		Nickel	13	13	12	14		µg/L	GE	0
		Niobium-95			<1.5E+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 FSB102C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
	■	Nitrate-nitrite as nitrogen	39,500	37,000	35,000	33,500		µg/L	GE	2
	■	Nonvolatile beta	3.8E+02	4.6E+02	3.8E+02	3.4E+02		pCi/L	GE	2
•		pH	4.6	4.1	4.6	4.9	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	751	922	920	788		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	10,100	10,900	10,100	11,500		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	31,500	31,000	29,300	30,200		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	370	310	290	260		µS/cm	GE	1
		Sulfate	1,570	<1,000	<1,000	<1,000		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total activity	1.2E+06	1.1E+06	9.9E+05	9.7E+05		pCi/L	EM	0
		Total alpha-emitting radium	4.1E+00	7.7E+00	6.1E+00	4.8E+00		pCi/L	GE	1
		Total dissolved solids	275,000	202,000	227,000	195,000		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	6.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	63	<50		µg/L	GE	0
	■	Tritium	1.2E+03	1.1E+03	9.5E+02	8.8E+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
		Yttrium-88			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Zinc	33	33	37	32		µg/L	GE	0
		Zinc-65			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Zirconium-95			<2.0E+01			pCi/L		

WELL FSB103C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74210.0 E49651.3	33.270915 °N 81.680207 °W	157.1-147.1 ft msl	242.4 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/27/92	04/13/92	07/13/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	204.2	203.9	203.2	203.2	ft msl
pH	5.1	5.7	5.4	5.5	pH
Sp. conductance	245	234	246	232	µS/cm
Water temperature	18.9	21.1	24.0	19.0	°C
Alkalinity as $CaCO_3$	6	7	5	7	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	<20	<20	<20	50		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	37	39	40	40		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	27,800	28,100	29,800	30,600		µg/L	GE	0
		Chloride	2,480	2,300	2,390	2,330		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 FSB103C 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	4.3	< 4.0		µg/L	GE	0
•		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	12	< 4.0	< 4.0	11		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	2,610	2,670	2,870	2,840		µg/L	GE	0
		Manganese	16	16	18	12		µg/L	GE	0
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	4.9	6.1	7.5	5.5		µg/L	GE	0
	■	Nitrate-nitrite as nitrogen	24,500	25,400	25,800	29,600		µg/L	GE	2
		Nonvolatile beta	3.0E + 01	3.0E + 01	2.0E + 01	2.4E + 01		pCi/L	GE	0
•		pH	5.4	5.8	6.0	6.0	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	900	1,030	1,070	977		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	13,300	14,200	13,600	14,100		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	9,340	9,530	10,100	10,300		µg/L	GE	0
		Specific conductance	185	235	235	200		µS/cm	GE	0
		Sulfate	1,120	1,080	< 1,000	2,490		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	7.4E + 05	7.5E + 05	7.3E + 05	7.3E + 05		pCi/L	EM	0
		Total alpha-emitting radium	1.5E + 00	1.7E + 00	< 1.0E + 00	1.4E + 00		pCi/L	GE	0
		Total dissolved solids	178,000	205,000	210,000	218,000		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	143	< 50		µg/L	GE	0
	■	Tritium	7.5E + 02	7.4E + 02	6.7E + 02	6.9E + 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	28	34	36	70		µg/L	GE	0

WELL FSB104C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73872.6 E49248.6	33.269511 °N 81.680612 °W	160.7-150.7 ft msl	219.1 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE 01/26/92 04/13/92 07/13/92 11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	202.6	202.2	201.5	201.4	ft msl
pH	4.9	5.7	4.8	4.9	pH
Sp. conductance	385	389	408	403	µS/cm
Water temperature	18.0	19 3	20.4	19.0	°C
Alkalinity as $CaCO_3$	0	0	0	0	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	65	59	253	93		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	78	83	87	91		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 FSB104C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	39,600	42,200	46,500	46,600		µg/L	GE	0
		Chloride	2,600	2,560	2,720	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	6.9	< 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	4.4E + 00		pCi/L	GE	0
		Iron	20	27	18	21		µg/L	GE	0
		Lead	< 3.0	< 3.0	3.2	< 3.0		µg/L	GE	0
		Magnesium	5,670	6,040	6,340	6,860		µg/L	GE	0
		Manganese	29	30	38	32		µg/L	GE	1
		Mercury	< 0.20	< 0.20	< 0.20	< 0.20		µg/L	GE	0
		Nickel	13	14	18	15		µg/L	GE	0
	■	Nitrate-nitrite as nitrogen	41,500	47,000	50,400	53,500		µg/L	GE	2
	■	Nonvolatile beta	5.8E + 01	7.3E + 01	4.9E + 01	5.5E + 01		pCi/L	GE	2
•		pH	4.9	5.0	5.2	5.2	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,350	1,600	1,520	1,440		µg/L	GE	0
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	11,600	12,600	12,100	12,900		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	16,100	17,300	18,200	20,400		µg/L	GE	0
		Specific conductance	300	400	392	340		µS/cm	GE	1
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	1.4E + 06	1.3E + 06	1.3E + 06	1.4E + 06		pCi/L	EM	0
		Total alpha-emitting radium	< 1.0E + 00	1.5E + 00	< 1.0E + 00	1.8E + 00		pCi/L	GE	0
		Total dissolved solids	268,000	287,000	326,000	302,000	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	38	< 5.0	5.1	J6	µg/L	GE	0
		Total phosphates (as P)	< 50	210	< 50	< 50		µg/L	GE	0
	■	Tritium	1.2E + 03	1.3E + 03	1.3E + 03	1.2E + 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	52	55	70	57		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 FSB104D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73865.2 E49255.4	33.269506 °N 81.680579 °W	210.4-190.4 ft msl	219.2 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE	01/26/92	04/13/92	07/13/92	11/17/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	206.1	205.5	205.1	204.8	ft msl
pH	3.6	3.5	3.5	3.3	pH
Sp. conductance	1002	892	853	898	µS/cm
Water temperature	18.0	18.2	20.8	19.7	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	5.0	4.0	2.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	43,600	39,500	45,500	46,000		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	J1	µg/L	GE	0
		Barium	205	191	218	248		µg/L	GE	0
	■	Cadmium	14	12	9.6	6.1		µg/L	GE	2
		Calcium	5,070	4,000	2,870	2,140		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	2,410	2,090	2,260		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	39	30	37	46		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	44	40	46	47		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	313	454	345	370		µg/L	GE	0
	■	Gross alpha	5.7E+02	4.2E+02	4.9E+02	7.5E+02		pCi/L	GE	2
		Iodine-131			< 2.0E+01			pCi/L		
		Iron	75	36	53	40		µg/L	GE	0
		Lead	3.3	6.5	3.3	< 3.0		µg/L	GE	0
		Magnesium	3,560	2,650	1,930	1,580		µg/L	GE	0
		Manganese	956	839	949	1,050		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	21	19	22	22		µg/L	GE	0
		Niobium-95			< 1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	115,000	140,000	122,000	122,000		µg/L	GE	2
	■	Nonvolatile beta	1.6E+03	1.8E+03	1.3E+03	1.1E+03		pCi/L	GE	2
•		pH	4.0	3.6	3.7	3.6	J	pH	GE	1
		Phenols	< 5.0					µg/L		
		Potassium	514	552	925	1,090		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 FSB104D 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	32,600	32,100	34,400	39,700		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	59,400	50,600	46,700	47,300		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	900	1,000	920	700		µS/cm	GE	2
		Sulfate	12,800	2,220	2,940	3,690		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	1.1E + 07	8.6E + 06	7.3E + 06	8.0E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	2.6E + 01	6.0E + 01	4.1E + 01	3.6E + 01		pCi/L	GE	2
		Total dissolved solids	398,000	411,000	409,000	356,000	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	J	µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	1.0E + 04	9.1E + 03	7.7E + 03	7.3E + 03		pCi/mL	GE	2
		Uranium			1,190	1,290		µg/L	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	62	65	63		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB105C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75234.2 E49828.0	33.273468 °N 81.681732 °W	151.5-141.5 ft msl	285.8 ft msl	4" PVC	V	Barnwell (IIB_1)

SAMPLE DATE	01/22/92	04/13/92	07/15/92	11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	209.5	209.2	208.3	208.4	ft msl
pH	3.4	3.5	3.3	3.7	pH
Sp. conductance	1538	1520	1538	1526	µS/cm
Water temperature	19.3	21.4	21.7	20.3	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.9	4.0	4.0	2.2	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	25,300	22,600	23,900	28,900		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	J1	µg/L	GE	0
		Barium	263	237	249	269		µg/L	GE	0
		Cadmium	5.4	4.9	5.2	4.6		µg/L	GE	1
		Calcium	5,360	4,970	5,270	4,990		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	4,680	2,940	3,050	4,190		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	265	229	227	227		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	22	20	22	35		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 FSB105C 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	726	851	704	707		µg/L	GE	0
	■	Gross alpha	4.0E+02	3.0E+02	2.0E+02	4.8E+02		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	12	11	12	12		µg/L	GE	0
		Lead	<3.0	7.0	<3.0	6.8		µg/L	GE	0
		Magnesium	2,300	2,160	2,360	2,260		µg/L	GE	0
		Manganese	2,420	2,130	2,210	2,260		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	33	28	30	31		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	205,000	192,000	200,000	425,000		µg/L	GE	2
	■	Nonvolatile beta	1.1E+03	1.5E+03	1.2E+03	1.4E+03		pCi/L	GE	2
•		pH	3.6	3.5	3.6	3.5	J	pH	GE	1
		Phenols	<5.0					µg/L		
		Potassium	<500	526	547	<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	9,870	9,210	10,100	11,800		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	21,400	20,000	21,900	25,700		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	1,350	90	1,300	1,700		µS/cm	GE	2
		Sulfate	6,080	<1,000	2,020	2,140		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total activity	1.1E+07	1.0E+07	9.8E+06	1.1E+07		pCi/L	EM	0
	■	Total alpha-emitting radium	1.3E+02	1.6E+02	1.1E+02	8.9E+01		pCi/L	GE	2
		Total dissolved solids	365,000	643,000	627,000	708,000	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	5.6	J	µg/L	GE	0
		Total phosphates (as P)	50	<50	70	<50		µg/L	GE	0
	■	Tritium	1.1E+04	1.1E+04	9.2E+03	1.1E+04		pCi/mL	GE	2
		Uranium			133	189		µg/L	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	62	55	58	64		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 FSB105DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75258.1 E49841.0	33.273542 °N 81.681744 °W	208.6-188.5 ft msl	285.6 ft msl	4" PVC	V	Water table (IIB_2)

SAMPLE DATE	02/17/92	05/21/92	07/15/92	11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	212.3	211.6	211.3	211.3	ft msl
pH	3.1	3.8	2.9	3.5	pH
Sp. conductance	2800	2810	2760	2380	µS/cm
Water temperature	17.4	21.0	22.1	20.9	°C
Alkalinity as $CaCO_3$	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	105,000	62,600	56,400	59,700		µg/L	GE	2
		Antimony	2.5	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Antimony-125			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Arsenic	< 10	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	1,280	1,200	1,120	1,430		µg/L	GE	1
		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	2.2	2.0		µg/L	GE	0
		Calcium	5,770	3,450	4,030	2,930		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		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	2,850	2,200	1,880	3,560		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
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	303	346	342	577		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	124	89	99	98		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	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
		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 FSB105DR 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	589	601	662	646		µg/L	GE	0
	■	Gross alpha	1.3E + 03	1.5E + 03	2.9E + 02	1.4E + 03		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	349	156	299	128		µg/L	GE	0
		Lead	7.6	< 3.0	9.1	< 3.0		µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	1,840	1,090	1,260	1,460		µg/L	GE	0
		Manganese	9,160	4,160	3,990	2,980		µg/L	GE	2
		Manganese-54			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Mercury	0.28	0.38	< 0.20	< 0.20		µg/L	GE	0
		Methoxychlor	< 0.50	< 0.50	< 0.50	< 0.50		µg/L	GE	0
		Nickel	90	70	75	93		µg/L	GE	1
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	386,000	430,000	400,000	360,000		µg/L	GE	2
	■	Nonvolatile beta	1.5E + 03	1.5E + 03	9.8E + 02	1.3E + 03		pCi/L	GE	2
•		pH	3.3	3.4	3.4	3.4	J	pH	GE	1
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Potassium	2,180	1,620	2,080	978		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	< 10	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	46,600	43,000	41,800	52,500		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	180,000	376,000	386,000	< 10		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	2,280	2,650	2,720	2,600		µS/cm	GE	2
		Sulfate	12,200	2,250	2,940	3,490		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
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Toluene	1.5	1.2	4.3	1.1		µg/L	GE	0
		Total activity	3.1E + 07	2.6E + 07	2.6E + 07	2.1E + 07		pCi/L	EM	0
	■	Total alpha-emitting radium	1.1E + 02	2.9E + 02	1.0E + 02	7.3E + 01		pCi/L	GE	2
		Total dissolved solids	1.7E + 06	1.9E + 06	1.9E + 06	1.6E + 06	V	µg/L	GE	0
		Total organic carbon	2,000	2,060	1,820	1,190		µg/L	GE	0
•		Total organic halogens	15	8.0	< 5.0	8.4	J	µg/L	GE	0
		Total phosphates (as P)	70	< 50	80	< 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	9.6	< 1.0	< 1.0		µg/L	GE	0
	■	Tritium	3.3E + 04	2.7E + 04	2.5E + 04	2.1E + 04		pCi/mL	GE	2
		Uranium			1,650	2,230		µg/L	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	143	109	108	121		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 FSB106C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74190.1 E50651.3	33.272503 °N 81.677536 °W	166.0-156.0 ft msl	235.1 ft msl	4" PVC	V	Barnwell (IIB_1)

SAMPLE DATE	01/22/92	04/26/92	07/13/92	11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	202.1	201.6	201.5	201.4	ft msl
pH	6.2	6.1	5.0	5.3	pH
Sp. conductance	638	577	537	543	µS/cm
Water temperature	19.0	18.6	20.2	19.7	°C
Alkalinity as $CaCO_3$	36	9	6	3	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	184	1,140	1,650	2,670		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	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	149	92	84	49		µg/L	GE	0
	■	Cadmium	7.4	5.3	6.1	6.2		µg/L	GE	2
		Calcium	31,100	19,700	20,700	8,640		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	3,280	2,820	3,030	3,010		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	41	27	31	37		µg/L	GE	1
		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	486	317	395	325		µg/L	GE	0
	■	Gross alpha	1.8E +01	3.1E +01	3.5E +01	5.8E +01		pCi/L	GE	2
		Iodine-131			< 2.0E +01			pCi/L		
		Iron	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	3.5		µg/L	GE	0
		Magnesium	5,290	3,730	3,860	3,390		µg/L	GE	0
		Manganese	872	588	655	728		µg/L	GE	2
		Manganese-54			< 1.0E +01	< 1.0E +01		pCi/L	GP	0
		Mercury	< 0.20	< 0.20	< 0.20	0.90		µg/L	GE	0
		Nickel	14	8.5	9.4	9.7		µg/L	GE	0
		Niobium-95			< 1.5E +01			pCi/L		
	■	Nitrate-nitrite as nitrogen	67,500	66,700	75,000	75,500		µg/L	GE	2
	■	Nonvolatile beta	9.2E +02	9.4E +02	8.5E +02	1.1E +03		pCi/L	GE	2
•		pH	5.4	5.8	5.6	5.5	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,660	953	583	< 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 FSB106C 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	5,690	4,820	4,560	3,190		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	38,500	27,100	26,100	12,100		µg/L	GE	0
		Sodium-22			< 1.0E+01	< 1.0E+01		pCi/L	GP	0
		Specific conductance	500	500	500	600		µS/cm	GE	2
		Sulfate	4,020	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	2.1E+06	2.0E+06	1.7E+06	2.0E+06		pCi/L	EM	0
	■	Total alpha-emitting radium	1.4E+01	3.7E+01	2.4E+01	5.1E+01		pCi/L	GE	2
		Total dissolved solids	400,000	490,000	380,000	467,000	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	28	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 50	< 50		µg/L	GE	0
	■	Tritium	2.1E+03	2.0E+03	1.7E+03	1.9E+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	23	23	23	20		µg/L	GE	0
		Zinc-65			< 2.0E+01	< 2.0E+01		pCi/L	GP	0
		Zirconium-95			< 2.0E+01			pCi/L		

WELL FSB106D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74193.0 E50636.8	33.272485 °N 81.677580 °W	222.9-202.9 ft msl	234.9 ft msl	4" PVC	S	Water table (llB_7)

SAMPLE DATE	01/22/92	04/26/92	07/14/92	11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	206.7	206.6	206.1	206.1	ft msl
pH	6.0	6.9	5.8	6.1	pH
Sp. conductance	109	138	113	111	µS/cm
Water temperature	19.4	16.8	23.3	21.9	°C
Alkalinity as $CaCO_3$	25	58	48	63	mg/L
Volume purged	0.8	0.4	0.5	0.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	60	< 20	< 20	151		µg/L	GE	2
		Antimony	3.8	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	17	19	15	18		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	13,300	18,400	20,900	17,000		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	2,370	1,270		1,560		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

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 FSB106D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	5.0	18	11	155		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	<1.0	3.2	5.7		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
		Ethylbenzene	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Fluoride	<100	<100		<100		µg/L	GE	0
		Gross alpha		<2.0E+00				pCi/L		
		Iron	4.4	5.9	15	1,500		µg/L	GE	2
	■	Lead	4.7	4.2	<3.0	94		µg/L	GE	2
		Magnesium	721	853	665	796		µg/L	GE	0
		Manganese	20	36	27	23		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	38	376	208	102		µg/L	GE	2
		Nitrate as nitrogen	950					µg/L		
		Nitrate-nitrite as nitrogen		160	1,140	220		µg/L	GE	0
		Nonvolatile beta		2.6E+00				pCi/L		
	•	pH	6.7	6.8		6.4	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	703	649	637		µg/L	GE	0
		Selenium	5.7	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	6,750	5,990	4,790	6,160		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	4,430	4,970	4,080	4,620		µg/L	GE	0
		Specific conductance	110	115		70		µS/cm	GE	0
		Sulfate	1,630	1,460		1,160		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
		Thallium	<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				pCi/L		
		Total dissolved solids	61,000	68,000		54,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	3,230		µg/L	GE	0
	•	Total organic halogens	<5.0	<5.0	42	<5.0	J6	µg/L	GE	0
		Total phosphates (as P)	50	<50	83	<50		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	12	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	4.3E+01	3.2E+01		1.7E+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	278	2,700	736	1,160		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 FSB107C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75184.0 E51158.1	33.275528 °N 81.678133 °W	160.8-150.8 ft msl	270.89 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/29/92	04/10/92	07/10/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	212.1	211.3	211.2	211.2	ft msl
pH	6.4	6.5	6.3	6.6	pH
Sp. conductance	214	234	195	183	µS/cm
Water temperature	18.8	20.0	21.1	19.6	°C
Alkalinity as $CaCO_3$	61	60	60	76	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	25	< 20	< 20	54		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	5.0	J3	µg/L	WA	2
		Arsenic	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Barium	36	47	33	39		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 0.35	V	µg/L	WA	0
		Calcium	30,700	32,800	27,700	29,900		µg/L	GE	0
		Chloride	3,040	2,920	2,750	2,920		µg/L	GE	0
		Chromium	< 4.0	< 4.0	< 4.0	2.7	V	µg/L	WA	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 0.88		µg/L	WA	0
		Copper	< 4.0	< 4.0	< 4.0	2.5	J3	µg/L	WA	0
		Cyanide	< 5.0	< 5.0	< 5.0	5.0	4	µg/L	WA	0
		Fluoride	< 100	< 100	< 100	< 100		µg/L	GE	0
	■	Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	1.4E + 02		pCi/L	GE	2
		Iron	< 4.0	< 4.0	< 4.0	57		µg/L	WA	0
		Lead	< 3.0	< 3.0	< 3.0	< 2.0		µg/L	WA	0
		Magnesium	2,520	3,180	2,390	2,730		µg/L	GE	0
		Manganese	60	86	44	60		µg/L	GE	2
		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				6,420		µg/L	WA	1
		Nitrate-nitrite as nitrogen	8,700	12,900	7,500	8,700		µg/L	GE	1
	■	Nonvolatile beta	6.4E + 01	1.0E + 02	5.6E + 01	7.6E + 01		pCi/L	TM	2
•		pH	6.5	6.9	6.9	6.8	J	pH	WA	0
		Phenols	< 5.0					µg/L		
		Potassium	< 500	641	567	632		µg/L	WA	0
		Radium-226				7.2E-01		pCi/L	TM	0
		Radium-228				4.1E + 00		pCi/L	TM	1
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	8,200	8,650	8,840	8,810		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	1.2	V	µg/L	WA	0
		Sodium	7,270	9,170	6,720	8,020		µg/L	GE	0
		Specific conductance	175	238	170	190		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	496		µg/L	WA	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity				1.9E + 05		pCi/L	EM	0
		Total alpha-emitting radium	2.5E + 00	1.5E + 00	< 1.0E + 00	1.7E + 00		pCi/L	GE	0
		Total dissolved solids	141,000	164,000	112,000	124,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	890		µg/L	WA	0
•		Total organic halogens	16	17	< 5.0	12	J	µg/L	GE	0
		Total phosphates (as P)	60	50	149	252		µg/L	WA	0
	■	Tritium	1.9E + 02	2.5E + 02	1.4E + 02	1.9E + 02		pCi/mL	TM	2
		Uranium			< 20	0.37		µg/L	TM	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 FSB107C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Vanadium	<8.0	<8.0	<8.0	1.4	J3	µg/L	WA	0
		Zinc	7.8	11	7.4	13	V	µg/L	WA	0

WELL FSB107D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75177.2 E51149.8	33.275499 °N 81.678141 °W	220.9-200.9 ft msl	271 ft msl	4" PVC	V	Water table (UB_2)

SAMPLE DATE	02/10/92	05/21/92	07/15/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	215.1	214.6	214.5	214.6	ft msl
pH	3.2	3.8	3.7	3.9	pH
Sp. conductance	218	154	147	118	µS/cm
Water temperature	17.1	19.1	20.7	19.7	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	5.0	3.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	6,260	2,950	3,100	1,700		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	2.3	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	57	38	38	26		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	776	527	476	288	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	980	330	290	404		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	8.0	<4.0	6.2	<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	25	10	11	7.6		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	359	252	205	127		µg/L	GE	0
	■	Gross alpha	3.1E+02	1.4E+02	1.4E+02	7.8E+01		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	21	7.9	15	9.8		µg/L	GE	0
		Lead	9.6	<3.0	<3.0	<3.0		µg/L	GE	0
		Magnesium	603	365	332	246		µg/L	GE	0
		Manganese	284	129	137	76		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Mercury	0.31	0.78	1.2	1.5		µg/L	GE	1
		Nickel	7.2	<4.0	5.5	<4.0		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
		Nitrate as nitrogen	19,200					µg/L		
	■	Nitrate-nitrite as nitrogen		13,100	12,400	11,800		µg/L	GE	2
	■	Nonvolatile beta	5.0E+02	2.8E+02	2.3E+02	9.9E+01		pCi/L	GE	2
•		pH	3.9	4.0	3.9	4.0	J	pH	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 FSB107D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	18,600	19,600	20,800	23,000		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	4,450	7,100	7,380	10,500		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	180	160	130	120		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total activity	1.0E+05	1.1E+05				pCi/L		
		Total alpha-emitting radium	1.9E+01	1.1E+01	7.1E+00	3.3E+00		pCi/L	GE	1
		Total dissolved solids	73,000	56,000	58,000	83,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	2,430	<1,000		µg/L	GE	0
		Total organic halogens	13	<5.0	<5.0	9.9		µg/L	GE	0
		Total phosphates (as P)	<50	<50	<50	<50		µg/L	GE	0
	■	Tritium	8.9E+01	1.2E+02	8.7E+01	1.7E+02		pCi/mL	GE	2
		Uranium			282	185		µg/L	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	9.2	16	6.5		µg/L	GE	0
		Zinc-65			<2.0E+01	<2.0E+01		pCi/L	GP	0
		Zirconium-95			<2.0E+01			pCi/L		

WELL FSB108D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76260.7 E51142.3	33.277883 °N 81.680266 °W	223.8-203.8 ft msl	298 ft msl	4" PVC	S	Water table (IIB_2)

SAMPLE DATE	01/26/92	04/26/92	07/14/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	219.7	218.1	218.5	218.7	ft msl
pH	5.8	6.5	5.6	6.0	pH
Sp. conductance	55	54	58	46	µS/cm
Water temperature	17.7	19.8	25.5	16.8	°C
Alkalinity as $CaCO_3$	15	11	13	12	mg/L
Volume purged	1.1	1.1	0.9	1.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	<20	84	148		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	12	13	14	14		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	5,860	5,660	5,710	5,840		µg/L	GE	0
		Chloride	3,080	2,850	2,730	2,730		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

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 FSB108D 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
		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	41	31	37	55		µg/L	GE	0
		Lead	<3.0	3.7	5.2	8.6		µg/L	GE	1
		Magnesium	484	498	528	597		µg/L	GE	0
		Manganese	18	18	20	18		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	5.1	5.1	7.1	<4.0		µg/L	GE	0
		Nitrate as nitrogen	1,140					µg/L		
		Nitrate-nitrite as nitrogen		1,090	1,160	1,120		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	3.3E+00		pCi/L	GE	0
•		pH	6.5	6.5	6.4	6.4	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	7,650	8,410	7,690	8,650		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	4,070	3,070	3,200	3,140		µg/L	GE	0
		Specific conductance	51	45	50	45		µS/cm	GE	0
		Sulfate	1,310	<1,000	<1,000	<1,000		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total alpha-emitting radium	1.1E+00	<1.0E+00	1.2E+00	1.4E+00		pCi/L	GE	0
		Total dissolved solids	37,000	28,000	42,000	37,000	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	8.5	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	60	123	<50		µg/L	GE	0
		Tritium	1.4E+01	1.2E+01	1.2E+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	27	29	34	17		µg/L	GE	0

WELL FSB109D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75855.9 E50488.6	33.275921 °N 81.681200 °W	225.8-205.8 ft msl	293.1 ft msl	4" PVC	S	Water table (IIB_2)

SAMPLE DATE	01/26/92	04/26/92	07/14/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	215.9	215.1	214.5	214.6	ft msl
pH	6.1	6.9	6.0	6.4	pH
Sp. conductance	68	68	64	60	µS/cm
Water temperature	17.2	20.4	21.1	17.0	°C
Alkalinity as $CaCO_3$	26	21	25	27	mg/L
Volume purged	1.1	1.3	0.9	1.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	32	30	31	108		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	12	11	11	12		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	3,370	3,230	3,240	3,240		µg/L	GE	0
		Chloride	1,310	1,010	910	972		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 FSB109D 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	7.5	8.4	4.3	26		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	34	19	15	216		µg/L	GE	1
	■	Lead	<3.0	<3.0	11	30		µg/L	GE	2
		Magnesium	907	1,020	1,270	1,390		µg/L	GE	0
		Manganese	3.6	4.4	2.7	5.4		µg/L	GE	0
		Mercury	<0.20	<0.20	<0.20	<0.20		µg/L	GE	0
		Nickel	4.1	5.1	5.2	5.2		µg/L	GE	0
		Nitrate as nitrogen	880					µg/L		
		Nitrate-nitrite as nitrogen		890	800	880		µg/L	GE	0
		Nonvolatile beta	4.3E+00	<2.0E+00	3.1E+00	3.7E+00		pCi/L	GE	0
•		pH	7.3	6.8	6.6	6.7	J	pH	GE	0
		Phenols	<5.0					µg/L		
		Potassium	3,300	3,250	3,880	3,860		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	8,210	8,630	7,830	8,060		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	6,440	5,430	5,580	6,930		µg/L	GE	0
		Specific conductance	55	50	60	60		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	1.3E+00		pCi/L	GE	0
		Total dissolved solids	44,000	31,000	39,000	39,000	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	26	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	50	<50	<50	50		µg/L	GE	0
		Tritium	4.0E+01	2.5E+01	2.2E+01	2.0E+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	351	323	100	335		µg/L	GE	0

WELL FSB110C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74190.7 E50150.6	33.271687 °N 81.678855 °W	147.2-137.2 ft msl	234.5 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE 01/26/92 04/14/92 07/14/92 11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	202.8	202.6	202.0	202.0	ft msl
pH	6.0	6.1	6.1	6.0	pH
Sp. conductance	313	306	358	293	µS/cm
Water temperature	18.9	18.7	23.2	20.5	°C
Alkalinity as $CaCO_3$	16	6	15	20	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	48	860	<20	<20		µg/L	GE	0
		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

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 FSB110C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Barium	71	75	74	78		µg/L	GE	0
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	35,700	35,900	36,700	40,600	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	2,830	2,830	2,760	2,790		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	< 2.0E + 00	3.6E + 00	< 2.0E + 00	4.0E + 00		pCi/L	GE	0
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	< 4.0	4.8	< 4.0	10		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0		µg/L	GE	0
		Magnesium	4,290	4,520	4,680	5,170		µg/L	GE	0
		Manganese	13	23	19	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	5.3	4.9	6.6	7.2		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
		Nitrate-nitrite as nitrogen	31,000	33,000	37,500	6,800		µg/L	GE	1
		Nonvolatile beta	4.7E + 01	5.5E + 01	3.9E + 01	2.7E + 01		pCi/L	GE	1
•		pH	6.2	6.5	6.3	6.4	J	pH	GE	0
		Phenols	< 5.0					µg/L		
		Potassium	1,930	2,200	1,720	2,050		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		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	11,300	14,900	12,200	12,900		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	11,900	15,700	12,900	13,000		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	255	350	290	290		µS/cm	GE	1
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total activity	9.2E + 05	1.0E + 06	1.0E + 06	8.4E + 05		pCi/L	EM	0
		Total alpha-emitting radium	1.2E + 00	1.2E + 00	< 1.0E + 00	1.2E + 00		pCi/L	GE	0
		Total dissolved solids	219,000	283,000	270,000	222,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	5.0	8.1	< 5.0	9.2		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	56	< 50		µg/L	GE	0
	■	Tritium	9.2E + 02	1.1E + 03	9.5E + 02	8.2E + 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
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	34	52	61	72		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 FSB110D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74193.3 E50141.6	33.271678 °N 81.678884 °W	211.1-191.1 ft msl	234.5 ft msl	4" PVC		Water table (IIB_2)

SAMPLE DATE	01/20/92	04/14/92	07/14/92	11/18/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	206.3	206.1	205.7	205.8	ft msl
pH	3.3	3.1	3.3		pH
Sp. conductance	1595	1433	1199		µS/cm
Water temperature	20.0	19.3	22.0		°C
Alkalinity as $CaCO_3$	0	0	0		mg/L
Volume purged	5.0	4.0	5.0		Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	55,300	44,000	37,800			µg/L		
		Antimony	< 2.0	< 2.0	< 2.0			µg/L		
		Antimony-125			< 2.0E + 01			pCi/L		
		Arsenic	< 10	< 2.0	< 2.0			µg/L		
		Barium	80	71	64			µg/L		
		Cadmium	< 2.0	< 2.0	3.2			µg/L		
		Calcium	1,770	735	1,470			µg/L		
		Cerium-144			< 6.0E + 01			pCi/L		
		Cesium-134			< 1.0E + 01			pCi/L		
		Cesium-137			< 1.0E + 01			pCi/L		
		Chloride	1,760	950	1,010			µg/L		
		Chromium	6.4	4.9	< 4.0			µg/L		
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	7.6	6.7	6.6			µg/L		
		Cobalt-57			< 1.0E + 01			pCi/L		
		Cobalt-60			< 1.0E + 01			pCi/L		
		Copper	85	42	67			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	149	243	169			µg/L		
		Gross alpha	7.1E + 02	7.9E + 02	5.1E + 02			pCi/L		
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	204	133	139			µg/L		
		Lead	15	4.4	3.6			µg/L		
		Magnesium	400	433	429			µg/L		
		Manganese	229	338	403			µg/L		
		Manganese-54			< 1.0E + 01			pCi/L		
		Mercury	< 0.20	0.41	0.27			µg/L		
		Nickel	21	19	19			µg/L		
		Niobium-95			< 1.5E + 01			pCi/L		
		Nitrate-nitrite as nitrogen	210,000	227,000	163,000			µg/L		
		Nonvolatile beta	7.2E + 02	1.0E + 03	6.8E + 02			pCi/L		
		pH	3.5	3.1	3.4			pH		
		Phenols	< 5.0					µg/L		
		Potassium	864	766	690			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 FSB110D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Selenium	< 2.0	< 2.0	< 2.0			µg/L		
		Silica	118,000	126,000	120,000			µg/L		
		Silica, total			125,000			ug/L		
		Silver	< 2.0	< 2.0	< 2.0			µg/L		
		Sodium	149,000	150,000	105,000			µg/L		
		Sodium-22			< 1.0E + 01			pCi/L		
		Specific conductance	1,520	1,650	1,300			µS/cm		
		Sulfate	464,000	31,500	27,000			µg/L		
		Thallium	< 2.0	< 2.0	< 2.0			µg/L		
		Total activity	1.7E + 07	1.5E + 07	1.1E + 07			pCi/L		
		Total alpha-emitting radium	1.5E + 01	2.5E + 01	1.1E + 01			pCi/L		
		Total dissolved solids	992,000	1.0E + 06	747,000			µg/L		
		Total organic carbon	1,000	4,000	1,100			µg/L		
		Total organic halogens	< 5.0	< 5.0	< 5.0			µg/L		
		Total phosphates (as P)	< 50	80	< 50			µg/L		
		Tributyl phosphate			70			µg/L		
		Tritium	1.8E + 04	1.5E + 04	9.8E + 03			pCi/mL		
		Uranium			2,020			µg/L		
		Vanadium	< 8.0	< 8.0	< 8.0			µg/L		
		Yttrium-88			< 6.0E + 01			pCi/L		
		Zinc	91	63	84			µg/L		
		Zinc-65			< 2.0E + 01			pCi/L		
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB111C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75383.3 E51526.3	33.276569 °N 81.677550 °W	169.0-159.0 ft msl	276.3 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/29/92	04/16/92	07/10/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	213.4	213.0	212.7	212.9	ft msl
pH	5.3	5.3	5.3	5.6	pH
Sp. conductance	51	51	53	49	µS/cm
Water temperature	18.4	21.7	22.9	19.0	°C
Alkalinity as $CaCO_3$	7	9	7	7	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	< 20	21	28	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	7.2	8.3	8.3	8.4		µg/L	GE	0
		Cadmium	< 2.0	2.5	< 2.0	< 2.0		µg/L	GE	0
		Calcium	4,960	5,510	5,370	6,060	J2	µg/L	GE	0
		Chloride	3,600	3,270	3,290	3,290		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	9.7		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 FSB111C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Magnesium	380	378	406	445		µg/L	GE	0
		Manganese	4.3	4.2	4.9	3.9		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	2,030	1,810	1,930	1,760		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	5.8	5.8	5.8	J	pH	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	9,670	9,630	10,700	10,300		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	3,300	3,410	3,420	3,470		µg/L	GE	0
		Specific conductance	42	55	45	50		µS/cm	GE	0
		Sulfate	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Thallium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Total alpha-emitting radium	<1.0E+00	<1.0E+00	<1.0E+00	2.9E+00		pCi/L	GE	1
		Total dissolved solids	41,000	40,000	25,000	30,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	<5.0	7.5	<5.0	10		µg/L	GE	0
		Total phosphates (as P)	90	100	111	<50		µg/L	GE	0
		Tritium	5.1E+00	5.4E+00	5.1E+00	5.0E+00		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	3.3	6.2	7.8	2.7		µg/L	GE	0

WELL FSB111D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75382.9 E51515.9	33.276552 °N 81.677577 °W	221.7-201.7 ft msl	276.6 ft msl	4" PVC	S	Water table (UB_2)

SAMPLE DATE	01/29/92	04/16/92	07/10/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	216.8	216.5	216.1	216.2	ft msl
pH	4.6	4.7	4.8	5.0	pH
Sp. conductance	32	31	33	29	µS/cm
Water temperature	18.7	22.5	23.5	19.7	°C
Alkalinity as $CaCO_3$	0	0	0	0	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	<20	33	46		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	10	11	11	11		µg/L	GE	0
		Cadmium	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	830	1,200	987	881	J2	µg/L	GE	0
		Chloride	2,810	2,650	2,710	2,950		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	4.3	5.6	9.2		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	6.0	7.7	17	27		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 FSB111D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Lead	< 3.0	< 3.0	< 3.0	3.7		µg/L	GE	0
		Magnesium	563	575	671	698		µg/L	GE	0
		Manganese	9.1	9.6	8.9	8.0		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	1,250	1,330	1,170	1,040		µg/L	GE	0
		Nonvolatile beta	4.4E + 00	5.8E + 00	4.3E + 00	3.0E + 00		pCi/L	GE	0
•		pH	4.9	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	J1	µg/L	GE	0
		Silica	7,250	7,770	8,020	8,180		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	3,080	3,110	2,840	3,310		µg/L	GE	0
		Specific conductance	25	30	30	30		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Total alpha-emitting radium	1.7E + 00	1.1E + 00	< 1.0E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	26,000	20,000	24,000	19,000		µg/L	GE	0
		Total organic carbon	1,000	< 1,000	< 1,000	2,480		µg/L	GE	0
		Total organic halogens	21	19	< 5.0	10		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	57	< 50		µg/L	GE	0
		Tritium	1.0E + 01	1.2E + 01	1.2E + 01	1.2E + 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	12	14	13	16		µg/L	GE	0

WELL FSB112A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74231.4 E48809.1	33.269588 °N 81.682466 °W	91.0-81.0 ft msl	229.1 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	01/26/92	04/15/92	07/16/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	153.5	153.5	153.0	153.3	ft msl
pH	7.0	7.1	6.6	6.8	pH
Sp. conductance	169	157	158	145	µS/cm
Water temperature	18.3	18.8	19.6	18.9	°C
Alkalinity as $CaCO_3$	57	50	43	34	mg/L
Volume purged	6.0	4.0	4.0	3.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	47	54	166	64		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	50	41	47		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	26,600	30,100	23,700	26,000	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	2,380	2,960	2,400	2,420		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 FSB112A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	<1.1	<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	1.5	<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	228	303	242	235		µg/L	GE	0
		Gross alpha	<2.0E+00	1.5E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	4.2	<4.0	11		µg/L	GE	0
		Lead	<3.0	<2.0	<3.0	<3.0	J1	µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	582	650	529	601		µg/L	GE	0
		Manganese	9.6	12	20	7.3		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	<3.1	5.3	<4.0		µg/L	GE	0
		Nitrate as nitrogen	1,140	1,040				µg/L		
		Nitrate-nitrite as nitrogen		1,110	1,200	1,910		µg/L	GE	0
		Nonvolatile beta	1.5E+01	1.6E+01	1.1E+01	1.5E+01		pCi/L	GE	0
•		pH	7.4	7.2	7.0	6.9	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	2,290	2,450	2,210	2,410		µg/L	GE	0
		Radium-226		2.0E-01				pCi/L		
		Radium-228		<2.3E+00				pCi/L		
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	35,700	37,500	37,200	40,300		µg/L	GE	0
		Silver	<2.0	<0.70	<2.0	<2.0		µg/L	GE	0
		Sodium	3,280	3,600	3,700	4,300		µg/L	GE	0
		Specific conductance	135	153	150	150		µS/cm	GE	0
		Sulfate	8,870	10,500	11,000	10,700		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
		Thallium	<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	1.3E+00	<1.0E+00	1.3E+00		pCi/L	GE	0
		Total dissolved solids	124,000	150,000	113,000	116,000	V	µg/L	GE	0
		Total organic carbon	<1,000	534	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	5.2	11	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	400	650	530	330		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+01	6.1E+01	5.8E+01	8.8E+01		pCi/mL	GE	2

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 FSB112A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Uranium		1.2	< 20	< 20		µg/L	GE	0
		Vanadium	< 8.0	< 0.88	< 8.0	< 8.0		µg/L	GE	0
		Zinc	< 2.0	6.4	4.1	< 2.0		µg/L	GE	0

WELL FSB112C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74227.5 E48794.8	33.269556 °N 81.682496 °W	139.1-129.1 ft msl	229.1 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE 01/26/92 04/15/92 07/15/92 11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	203.4	202.8	202.1	202.0	ft msl
pH	4.7	4.7	4.4	4.7	pH
Sp. conductance	1488	1501	1527	1463	µS/cm
Water temperature	18.2	21.4	21.4	19.1	°C
Alkalinity as $CaCO_3$	0	0	0	0	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	3,050	2,960	3,190	4,960		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	263	222	222	331		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	14	11	12	19		µg/L	GE	2
		Calcium	39,500	32,400	31,200	51,500		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		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	8,800	6,000	5,960	6,500		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	< 8.0		µg/L	GE	0
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	83	73	77	123		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	< 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)	1.3	1.0	2.0	< 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 FSB112C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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
		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	1,330	1,420	1,280	1,390		µg/L	GE	0
	■	Gross alpha	1.2E+02	1.3E+02	3.2E+01	1.4E+02		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	<4.0	<4.0	<4.0	11		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	16,000	13,300	13,400	20,100		µg/L	GE	0
		Manganese	1,630	1,420	1,460	2,340		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
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	27	24	27	38		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	200,000	207,000	206,000	220,000		µg/L	GE	2
	■	Nonvolatile beta	1.9E+03	2.7E+03	2.1E+03	2.0E+03		pCi/L	GE	2
•		pH	4.8	4.9	4.8	4.9	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	1,770	1,720	1,590	1,680		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	3,270	3,070	2,890	4,440		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<4.0		µg/L	GE	0
		Sodium	52,000	43,200	42,800	66,400		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	1,300	1,700	1,420	160		µS/cm	GE	0
		Sulfate	40,000	2,830	1,900	2,490		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
		Thallium	<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 activity	7.5E+06	6.9E+06	7.2E+06	7.0E+06		pCi/L	EM	0
	■	Total alpha-emitting radium	6.3E+01	1.3E+02	1.5E+02	1.0E+02		pCi/L	GE	2
		Total dissolved solids	1.1E+06	1.2E+06	1.2E+06	1.2E+06	V	µg/L	GE	0
		Total organic carbon	1,000	<1,000	<1,000	<1,000		µg/L	GE	0
•		Total organic halogens	65	<5.0	<5.0	34	J	µg/L	GE	1
		Total phosphates (as P)	<50	80	<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	7.3E+03	7.3E+03	6.6E+03	6.2E+03		pCi/mL	GE	2
		Uranium			<20	<40		µg/L	GE	0
		Vanadium	<8.0	<8.0	<8.0	<16		µg/L	GE	0
		Yttrium-88			<6.0E+01	<6.0E+01		pCi/L	GP	0
		Zinc	54	46	54	81		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 FSB112D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74223.7 E48780.0	33.269523 °N 81.682527 °W	208.9-188.9 ft msl	229.6 ft msl	4" PVC	S	Water table (IIB_2)

SAMPLE DATE	01/26/92	04/15/92	07/16/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	207.3	206.9	206.2	205.9	ft msl
pH	3.6	3.5	3.3	3.6	pH
Sp. conductance	1608	1676	1566	1613	µS/cm
Water temperature	18.1	18.7	19.0	18.8	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	5.9	12.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	21,500	18,100	21,700	19,800		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	< 8.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Barium	222	210	240	195		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	3.8	3.0	4.8	3.8		µg/L	GE	1
		Calcium	1,410	2,070	1,600	1,740		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		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	1,700	3,450	4,080		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
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	79	70	73	57		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	28	25	28	23		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	1.6	< 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
		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 FSB112D 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	677	782	715	723		µg/L	GE	0
	■	Gross alpha	1 6E + 02	2.1E + 02	3.1E + 01	2.1E + 02		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	51	20	47	16		µg/L	GE	0
		Lead	5.5	6.6	4.0	< 3.0		µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	894	828	1,100	1,270		µg/L	GE	0
		Manganese	1,410	1,290	1,340	1,090		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
		Methoxychlor	< 0.50	< 0.50	< 0.50	< 0.50		µg/L	GE	0
		Nickel	31	29	33	26		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	211,000	213,000	220,000	240,000		µg/L	GE	2
	■	Nonvolatile beta	3.4E + 03	4.2E + 03	3.6E + 03	3.7E + 03		pCi/L	GE	2
•		pH	3.5	3.7	3.7	3.7	J	pH	GE	1
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		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	2,490	2,530	2,540	2,240		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	30,800	27,100	32,200	117,000		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	1,450	1,250	1,480	1,500		µS/cm	GE	2
		Sulfate	4,640	2,720	2,460	3,540		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
		Thallium	< 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 activity	1.1E + 06	9.2E + 06	1.0E + 07	9.9E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	2.6E + 02	2.4E + 02	2.5E + 02	1.9E + 02		pCi/L	GE	2
		Total dissolved solids	763,000	1.1E + 06	759,000	791,000	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	J	µg/L	GE	0
		Total phosphates (as P)	< 50	70	< 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	1.0E + 04	9.7E + 03	9.3E + 03	9.4E + 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	39	36	39	33		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 FSB113A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74167.5 E51068.1	33.273133 °N 81.676395 °W	91.3-81.0 ft msl	223.2 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	01/26/92	04/15/92	07/04/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	158.7	159.0	158.8	158.4	ft msl
pH	11.4	11.1	11.7	12.0	pH
Sp. conductance	827	712	772	1176	µS/cm
Water temperature	17.8	19.9	22.1	18.7	°C
Alkalinity as $CaCO_3$	204	162	197	268	mg/L
Volume purged	4.0	5.0	4.0	2.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	3,610	3,750	3,810	4,600		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	3.0	< 2.0	2.0	< 2.0		µg/L	GE	0
		Barium	70	70	81	170		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	< 6.0		µg/L	GE	0
		Calcium	68,900	67,000	74,900	119,000	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	1,690	1,730	1,640	1,220		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	< 12		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 12		µg/L	GE	0
		Copper	< 4.0	< 4.0	< 4.0	< 12		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	192	222	160	190		µg/L	GE	0
		Gross alpha	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	3.9E + 00		pCi/L	GE	0
		Iron	4.7	5.1	4.8	< 12		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0	J1	µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	110	111	74	< 6.0		µg/L	GE	0
		Manganese	< 2.0	< 2.0	< 2.0	< 6.0		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 FSB113A 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
		Nickel	<4.0	<4.0	<4.0	<12		µg/L	GE	0
		Nitrate as nitrogen	720					µg/L		
		Nitrate-nitrite as nitrogen		860	940	1,960		µg/L	GE	0
		Nonvolatile beta	8.3E+00	9.7E+00	8.9E+00	1.0E+01		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	9,290	10,500	10,900	15,000		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	5,600	6,080	5,900	4,860		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<6.0		µg/L	GE	0
		Sodium	10,300	10,400	9,540	10,600		µg/L	GE	0
		Specific conductance	650	800	810	115		µS/cm	GE	0
		Sulfate	9,180	4,580	5,950	2,850		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
		Thallium	<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	1.3E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	231,000	206,000	207,000	165,000	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	7.5		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	1.2		µg/L	GE	0
	■	Tritium	1.9E+01	3.2E+01	4.0E+01	8.5E+01		pCi/mL	GE	2
		Uranium			<20	<60		µg/L	GE	0
		Vanadium	16	16	17	<24		µg/L	GE	0
		Zinc	<2.0	<2.0	<2.0	<6.0		µg/L	GE	0

WELL FSB113C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74160.7 E51084.2	33.273144 °N 81.676339 °W	164.0-154.0 ft msl	222.9 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/26/92	04/16/92	07/04/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	203.4	203.1	202.9	202.8	ft msl
pH	11.3	11.6	11.7	11.6	pH
Sp. conductance	640	661	544	498	µS/cm
Water temperature	17.0	25.2	21.3	17.0	°C
Alkalinity as $CaCO_3$	147	123	162	143	mg/L
Volume purged	0.9	0.9	0.9	0.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	338	246	191	404		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	144	127	138	134		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.

• = exceeded holding time for 4th quarter 1992.

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

Well FSB113C 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	61,400	51,500	64,300	77,700	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloride	2,220	2,200	2,150	2,170		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)	2.6	<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	158	150	136	141		µg/L	GE	0
		Gross alpha	2.2E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	<4.0	<4.0	<4.0	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	114	246	129	1,120		µg/L	GE	0
		Manganese	<2.0	<2.0	<2.0	7.2		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	3,340					µg/L		
		Nitrate-nitrite as nitrogen		3,750	3,700	820		µg/L	GE	0
		Nonvolatile beta	2.7E+00	4.3E+00	3.2E+00	<2.0E+00		pCi/L	GE	0
•		pH	12	11	11	12	J	pH	GE	2
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	1,300	1,300	1,120	1,140		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	6,380	7,790	6,820	7,640		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	7,560	8,050	7,780	7,100		µg/L	GE	0
		Specific conductance	580	650	700	600		µS/cm	GE	2
		Sulfate	6,070	6,170	5,550	4,370		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	2.8	3.2	4.1	4.5		µg/L	GE	1
		Thallium	<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	1.1E+00	1.6E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
•		Total dissolved solids	193,000	178,000	164,000	173,000	J6	µg/L	GE	0
		Total organic carbon	1,000	1,000	1,050	<1,000		µg/L	GE	0
•		Total organic halogens	26	32	<5.0	<5.0	J6	µg/L	GE	0
		Total phosphates (as P)	240	180	215	330		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

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 FSB113C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	6.4E+01	5.8E+01	5.5E+01	6.2E+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	<2.0	2.1	<2.0	12		µg/L	GE	0

WELL FSB113D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74154.8 E51098.4	33.273154 °N 81.676290 °W	209.6-189.6 ft msl	222.5 ft msl	4" PVC	S	Water table (UB_2)

SAMPLE DATE 02/10/92 04/15/92 07/04/92 11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	207.7	207.7	207.4	207 3	ft msl
pH	4.3	4.6	4.8	4.9	pH
Sp. conductance	25	24	50	23	µS/cm
Water temperature	18.4	20.3	21.5	19.0	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	17.3	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	35	57	29	40		µg/L	GE	1
		Antimony	4.2	<2.0	<2.0	<2.0		µg/L	GE	0
		Arsenic	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Barium	10	6.9	5.8	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	0.45	<2.0	<2.0	<2.0		µg/L	GE	0
		Calcium	593	699	543	466	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloride	3,170	2,640	2,660	2,760		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	2.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Cobalt	1.1	<4.0	<4.0	<4.0		µg/L	GE	0
		Copper	2.4	<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	<1.0	<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

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 FSB113D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	8.0E-01	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	27	18	34	13		µg/L	GE	0
		Lead	< 2.0	< 3.0	< 3.0	< 3.0	J1	µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	678	698	661	651		µg/L	GE	0
		Manganese	4.9	14	6.6	4.5		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	< 3.1	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	857					µg/L		
		Nitrate-nitrite as nitrogen		750	840	800		µg/L	GE	0
		Nonvolatile beta	3.7E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
•		pH	5.5	5.2	4.9	4.9	J	pH	GE	0
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Potassium	200	< 500	< 500	< 500		µg/L	GE	0
		Radium-226	6.0E-01					pCi/L		
		Radium-228	< 1.6E + 00					pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	6,890	6,650	6,490	7,070		µg/L	GE	0
		Silicon	3,070					µg/L		
		Silver	< 0.70	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,910	2,050	1,970	2,010		µg/L	GE	0
		Specific conductance	25	30	29	30		µS/cm	GE	0
		Sulfate	< 100	< 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
		Thallium	< 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	31,000	11,000	16,000	23,000	V	µg/L	GE	0
		Total organic carbon	< 500	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	18	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Total phosphates (as P)	< 20	< 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	1.4E + 01	1.4E + 01	1.4E + 01	1.2E + 01		pCi/mL	GE	1
		Uranium	0.60		< 20	< 20		µg/L	GE	0
		Vanadium	< 0.88	< 8.0	< 8.0	< 8.0		µg/L	GE	0
		Zinc	14	5.6	5.8	< 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 FSB114A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75297.4 E52046.6	33.277229 °N 81.676014 °W	105.0-95.2 ft msl	252 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	01/26/92	04/10/92	07/04/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	155.7	155.3	155.6	155.6	ft msl
pH	9.0	8.5	8.6	8.8	pH
Sp. conductance	176	174	181	172	µS/cm
Water temperature	19.3	22.5	21.0	19.3	°C
Alkalinity as $CaCO_3$	82	82	75	78	mg/L
Volume purged	4.0	7.1	4.0	5.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	124	72	48	141		µg/L	GE	2
		Antimony	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Arsenic	3.0	< 2.0	2.3	< 2.0		µg/L	GE	0
		Barium	69	67	69	79		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	26,200	29,800	30,400	34,700	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	2,770	2,740	2,660	2,800		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)	< 1.0	< 1.0	< 1.0	3.4	JV	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	6.0	4.8	< 4.0	73		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0	J1	µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	596	639	617	724		µg/L	GE	0
		Manganese	< 2.0	5.2	< 2.0	3.6		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 FSB114A 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
		Nickel	<4.0	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	2,090					µg/L		
		Nitrate-nitrite as nitrogen		1,720	1,930	1,990		µg/L	GE	0
		Nonvolatile beta	7.3E+00	4.5E+00	4.7E+00	2.8E+00		pCi/L	GE	0
•		pH	9.3	8.5	8.7	8.5	J	pH	GE	1
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	8,010	5,170	5,460	4,360		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	15,800	16,300	17,100	17,900		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	4,680	3,170	3,920	3,400		µg/L	GE	0
		Specific conductance	135	180	178	29		µS/cm	GE	0
		Sulfate	1,510	1,690	1,670	1,690		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene	<1.0	4.9	<1.0	<1.0		µg/L	GE	0
		Thallium	<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	2.1E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	103,000	115,000	108,000	110,000		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)	120	120	151	70		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	9.6E-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	3.0	21	12		µg/L	GE	0

WELL FSB114C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75288.5 E52033.8	33.277188 °N 81.676030 °W	168.0-158.0 ft msl	252.2 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/26/92	04/10/92	07/04/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	214.3	213.6	213.8	214.0	ft msl
pH	5.2	5.5	5.4	5.6	pH
Sp. conductance	59	55	61	48	µS/cm
Water temperature	18.1	22.3	20.7	19.4	°C
Alkalinity as $CaCO_3$	7	8	9		mg/L
Volume purged	4.0	5.0	4.0	3.5	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	15	16	12		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.

• = exceeded holding time for 4th quarter 1992.

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

Well FSB114C 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	4,890	4,920	5,580	4,770	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloride	3,740	3,580	3,340	3,450		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	<1.0	<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)	<1.0	1.5	1.5	2.3	JV	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	4.4	8.1	25		µg/L	GE	0
		Lead	3.3	<3.0	<3.0	<3.0	J1	µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	472	478	490	533		µg/L	GE	0
		Manganese	7.4	6.3	6.9	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 as nitrogen	2,060					µg/L		
		Nitrate-nitrite as nitrogen		2,140	2,260	2,200		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
•		pH	6.1	5.9	5.8	5.9	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	633	550	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	9,710	10,300	9,840	11,000		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	3,550	3,710	3,790	3,810		µg/L	GE	0
		Specific conductance	45	54	58	179		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
		Thallium	<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	37,000	42,000	38,000	41,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	2,750		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

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 FSB114C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	1.1	1.5	1.6	1.4		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	3.8E+00	4.6E+00	4.2E+00	3.2E+00		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	9.6	13	14	10		µg/L	GE	0

WELL FSB114D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75278.6 E52018.6	33.277141 °N 81.676051 °W	217.8-197.7 ft msl	252.2 ft msl	4" PVC	S	Water table (UB_2)

SAMPLE DATE	01/26/92	04/10/92	07/04/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	217.6	216.9	217.1	217.2	ft msl
pH	4.7	5.0	4.7	4.8	pH
Sp. conductance	51	41	49	42	µS/cm
Water temperature	18.8	20.0	20.6	18.8	°C
Alkalinity as $CaCO_3$	1	0	0	0	mg/L
Volume purged	4.0	4.1	4.0	10.7	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	22	27	26	73		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	10	9.5	9.3	9.4		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	843	890	760	692	J2	µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloride	3,740	3,880	3,700	3,520		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	7.2	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)	<1.0	1.2	1.3	2.5	JV	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

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 FSB114D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	2.6E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
		Iron	13	6.6	11	8.7		µg/L	GE	0
		Lead	3.3	<3.0	4.1	<3.0	J1	µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	529	493	511	548		µg/L	GE	0
		Manganese	31	23	23	23		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	4.5	<4.0		µg/L	GE	0
		Nitrate as nitrogen	2,380					µg/L		
		Nitrate-nitrite as nitrogen		2,440	2,380	2,380		µg/L	GE	0
		Nonvolatile beta	2.6E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
•		pH	5.3	4.9	5.0	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	6,410	6,820	6,540	7,330		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	6,500	6,540	6,190	6,440		µg/L	GE	0
		Specific conductance	42	49	48	51		µS/cm	GE	0
		Sulfate	1,330	1,960	<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
		Thallium	<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	1.8E+00	1.8E+00	<1.0E+00	<1.0E+00		pCi/L	GE	0
		Total dissolved solids	34,000	25,000	24,000	36,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	1,390		µg/L	GE	0
		Total organic halogens	<5.0	18	<5.0	5.6		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	7.3E+00	7.9E+00	8.3E+00	8.2E+00		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	12	11	21	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 FSB115C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72515.5 E49736.0	33.267306 °N 81.676692 °W	173.8-163.8 ft msl	207.8 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/28/92	04/26/92	07/04/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	184.8	184.7	184.6	184.5	ft msl
pH	6.3	6.3	5.3	5.5	pH
Sp. conductance	48	31	30	22	µS/cm
Water temperature	17.1	16.9	21.5	16.9	°C
Alkalinity as $CaCO_3$	11	6	3	3	mg/L
Volume purged	0.9	0.9	0.9	1.0	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	72		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	9.0	6.8	5.1	4.4		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	2,310	1,700	1,360	1,190	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	1,650	1,590	1,610	1,550		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	17	15		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	1.7	3.3	JV	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	48	51	63	94		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0	J1	µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	313	315	308	305		µg/L	GE	0
		Manganese	7.1	6.8	6.0	7.0		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 FSB115C 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
		Nickel	7.6	<4.0	<4.0	<4.0		µg/L	GE	0
		Nitrate as nitrogen	510					µg/L		
		Nitrate-nitrite as nitrogen		650	580	670		µg/L	GE	0
		Nonvolatile beta	2.4E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
•		pH	6.8	6.3	5.6	5.9	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	1,500	1,200	<500	622		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	8,280	8,760	8,330	9,020		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	3,260	2,930	2,280	2,200		µg/L	GE	0
		Specific conductance	30	30	29	40		µS/cm	GE	0
		Sulfate	2,070	2,290	1,920	1,130		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
		Thallium	<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	28,000	15,000	20,000	34,000		µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	<1,000		µg/L	GE	0
		Total organic halogens	6.1	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	<50	<50	62	<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	33	<1.0		µg/L	GE	0
		Tritium	9.0E+00	9.7E+00	9.8E+00	8.4E+00		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	21	22	45	16		µg/L	GE	0

WELL FSB115D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72504.3 E49728.3	33.267268 °N 81.676691 °W	192.5-182.5 ft msl	208.5 ft msl	4" PVC	S	Water table (UB_2)

SAMPLE DATE	01/28/92	04/16/92	07/04/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	192.1	191.9	191.4	188.8	ft msl
pH	4.9	4.8	4.6	5.0	pH
Sp. conductance	15	15	19	14	µS/cm
Water temperature	18.6	18.4	20.8	17.9	°C
Alkalinity as $CaCO_3$	1	3	1	2	mg/L
Volume purged	4.0	5.0	3.9	1.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	<20	29	1,450		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	6.5	7.4	7.1	15		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.

• = exceeded holding time for 4th quarter 1992.

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

Well FSB115D 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	356	459	306	342	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	1,970	1,680	1,760	1,510		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	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	5.8	10	7.2	32		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	3.8	2.8	JV	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	2.2E + 00	4.9E + 00	2.0E + 00	2.8E + 00		pCi/L	GE	0
		Iron	12	5.5	21	783		µg/L	GE	2
		Lead	< 3.0	< 3.0	< 3.0	13	J2	µg/L	GE	1
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	289	342	303	409		µg/L	GE	0
		Manganese	14	14	12	61		µg/L	GE	2
		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	4.9		µg/L	GE	0
		Nitrate as nitrogen	100					µg/L		
		Nitrate-nitrite as nitrogen		210	320	420		µg/L	GE	0
		Nonvolatile beta	2.3E + 00	3.1E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
•		pH	5.2	5.5	5.0	5.2	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	6,230	6,940	6,170	9,740		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	1,150	1,380	1,230	1,270		µg/L	GE	0
		Specific conductance	12	18	17	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
		Thallium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Toluene	< 1.0	< 1.0	1 4	< 1.0		µg/L	GE	0
		Total alpha-emitting radium	< 1.0E + 00	< 1 0E + 00	1.3E + 00	1.0E + 00		pCi/L	GE	0
		Total dissolved solids	17,000	13,000	5,000	18,000		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	90	97	380		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

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 FSB115D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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+01	1.5E+01	1.4E+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	12	15	15	41		µg/L	GE	0

WELL FSB116C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72725.5 E50645.9	33.269255 °N 81.674705 °W	170.5-160.5 ft msl	202.5 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE 01/28/92 04/16/92 07/04/92 11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	190.2	189.8	189.6	188.4	ft msl
pH	5.0	4.9	4.8	5.2	pH
Sp. conductance	23	21	25	18	µS/cm
Water temperature	18.1	18.7	20.3	19.1	°C
Alkalinity as $CaCO_3$	1	1	1	1	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	26	31	34	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	4.9	5.1	4.8	4.6		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	787	989	809	680		µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloride	1,990	1,790	1,720	1,730		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	4.3	<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
		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	3.3	JV	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

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 FSB116C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	17	8.9	6.3	28		µg/L	GE	0
		Lead	<3.0	<3.0	<3.0	<3.0	J1	µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	421	454	437	412		µg/L	GE	0
		Manganese	8.5	7.9	7.7	8.1		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	980					µg/L		
		Nitrate-nitrite as nitrogen		1,320	930	880		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	<2.0E+00		pCi/L	GE	0
•		pH	5.3	5.3	5.1	5.2	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	6,640	7,300	7,040	7,070		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	1,890	2,050	1,840	1,770		µg/L	GE	0
		Specific conductance	20	22	21	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
		Thallium	<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	18,000	15,000	9,000	20,000		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)	<50	<50	62	<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	1.9	<1.0		µg/L	GE	0
		Tritium	1.4E+01	1.5E+01	1.4E+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	8.3	11	10	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 FSB116D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N72727.4 E50629.7	33.269233 °N 81.674751 °W	196.4-186.4 ft msl	202.9 ft msl	4" PVC	S	Water table (IIB_2)

SAMPLE DATE: 01/28/92 | 04/26/92 | 07/04/92 | 11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	193.0	192.7	192.0	190.5	ft msl
pH	4.9	5.2	4.9	5.1	pH
Sp. conductance	31	27	55	21	µS/cm
Water temperature	15.5	16.8	22.8	19.0	°C
Alkalinity as $CaCO_3$	2	2	1	2	mg/L
Volume purged	0.7	0.5	0.5	0.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	23	27	363		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	7.3	8.5	8.2	9.0		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	662	646	632	530		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	3,780	3,880	3,390	3,430		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	4.2		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	41	12	12	47		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	1.9	< 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	5.8E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	15	18	58	1,080		µg/L	GE	2
	■	Lead	4.9	4.9	3.9	34	J2	µg/L	GE	2
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	519	578	485	567		µg/L	GE	0
		Manganese	22	21	19	21		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 FSB116D 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
		Nickel	9.3	4.8	<4.0	7.3		µg/L	GE	0
		Nitrate as nitrogen	200					µg/L		
		Nitrate-nitrite as nitrogen		140	100	100		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	5.3E+00	<2.0E+00	2.1E+00		pCi/L	GE	0
•		pH	5.2	5.2	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	J1	µg/L	GE	0
		Silica	6,290	6,500	6,320	7,390		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	4,570	2,550	2,250	2,350		µg/L	GE	0
		Specific conductance	25	22	25	20		µS/cm	GE	0
		Sulfate	2,620	<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
		Thallium	<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	1.4E+00	<1.0E+00	2.6E+00		pCi/L	GE	1
		Total dissolved solids	23,000	<1,000	8,000	26,000		µg/L	GE	0
		Total organic carbon	2,000	<1,000	<1,000	1,320		µg/L	GE	0
		Total organic halogens	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Total phosphates (as P)	500	200	325	<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	1.6E+01	1.5E+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	225	149	48	260		µg/L	GE	0

WELL FSB117D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74070.4 E50486.8	33.271970 °N 81.677736 °W	209.7-189.7 ft msl	230.7 ft msl	4" PVC	S	Water table (UB_2)

SAMPLE DATE	01/22/92	04/27/92	07/16/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	205.6	205.3	205.0	205.0	ft msl
pH	3.5	3.7	3.4	3.3	pH
Sp. conductance	1002	843	794	853	µS/cm
Water temperature	19.0	18.2	21.0	18.6	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	12.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	42,700	35,500	41,300	48,000		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	J1	µg/L	GE	0
		Barium	265	233	244	313		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 FSB117D 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	4.4	2.9	4.3	3.5		µg/L	GE	1
		Calcium	3,120	1,930	2,370	1,970		µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		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	2,880	1,440	1,070	2,260		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
		Chromium-51			<1.2E+02			pCi/L		
		Cobalt	23	17	23	24		µg/L	GE	1
		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	32	33	34	37		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)	1.7	<1.0	1.7	2.1		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
		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	427	312	403	422		µg/L	GE	0
	■	Gross alpha	1.1E+03	1.0E+03	1.1E+03	1.1E+03		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	82	150	113	76		µg/L	GE	0
		Lead	3.1	<3.0	<3.0	<3.0		µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	2,360	1,390	1,900	1,890		µg/L	GE	0
		Manganese	967	719	962	1,060		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Mercury	<0.20	<0.20	1.4	<0.20		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	17	12	18	13		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	71,500	94,200	100,000	110,000		µg/L	GE	2
	■	Nonvolatile beta	1.4E+03	1.6E+03	1.3E+03	1.2E+03		pCi/L	GE	2
•		pH	3.8	3.6	3.6	3.6	J	pH	GE	1
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	752	925	686	662		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 FSB117D 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	17,600	19,200	20,400	24,700		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	27,400	21,900	12,100	25,900		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	700	750	720	800		µS/cm	GE	2
		Sulfate	3,660	2,830	1,950	2,940		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
		Thallium	< 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 activity	5.2E + 06	3.8E + 06	3.5E + 06	7.0E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	6.5E + 01	6.5E + 01	6.4E + 01	5.2E + 01		pCi/L	GE	2
		Total dissolved solids	342,000	261,000	261,000	329,000	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	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		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	5.2E + 03	3.6E + 03	3.5E + 03	6.3E + 03		pCi/mL	GE	2
		Uranium			2,060	2,180		µg/L	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	47	38	45	42		µg/L	GE	0
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB118D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74697.9 E51276.3	33.274646 °N 81.676877 °W	211.3-191.3 ft msl	243.3 ft msl	4" PVC	S	Water table (IIB_2)

SAMPLE DATE	01/28/92	04/10/92	07/10/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	212.3	211.6	211.8	211.7	ft msl
pH	5.0	4.6	4.9	5.0	pH
Sp. conductance	39	31	37	29	µS/cm
Water temperature	18.0	20.0	21.0	18.5	°C
Alkalinity as $CaCO_3$	2	1	1	0	mg/L
Volume purged	4.0	4.1	4.0	9.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	38		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	22	19	18	16		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

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 FSB118D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Cadmium	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Calcium	2,700	1,950	1,760	1,380		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	2,970	2,820	2,840	2,900		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	5.9		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)	< 1.0	< 1.0	7.2	< 1.0	JV	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	2.2E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
		Iron	< 4.0	11	13	7.0		µg/L	GE	0
		Lead	4.1	< 3.0	5.2	< 3.0	J1	µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	571	659	723	725		µg/L	GE	0
		Manganese	23	26	28	21		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	5.3	< 4.0		µg/L	GE	0
		Nitrate as nitrogen	1,150					µg/L		
	■	Nitrate-nitrite as nitrogen		1,260	1,680	65,500		µg/L	GE	2
		Nonvolatile beta	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00	< 2.0E + 00		pCi/L	GE	0
•		pH	5.5	5.4	5.2	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	J1	µg/L	GE	0
		Silica	7,840	8,020	8,350	8,180		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	2,480	2,700	2,820	2,670		µg/L	GE	0
		Specific conductance	30	38	25	30		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	1.2	5.7	1.3	1.7		µg/L	GE	0
		Thallium	< 2.0	< 2.0	4.1	< 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	1.1E + 00	< 1.0E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	30,000	20,000	11,000	30,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		Total organic halogens	35	9.9	< 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	1.3	< 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 FSB118D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Trichlorofluoromethane	12	10	5.6	4.9		µg/L	GE	0
		Tritium	1.3E+01	1.4E+01	1.3E+01	1.2E+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	34	29	31	23		µg/L	GE	0

WELL FSB119D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74599.7 E50600.6	33.273326 °N 81.678465 °W	213.1-193.1 ft msl	254.1 ft msl	4" PVC	S	Water table (IIB_2)

SAMPLE DATE	01/29/92	04/27/92	07/16/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	209.0	208.8	208.4	208.5	ft msl
pH	3.4	3.6	3.2	3.2	pH
Sp. conductance	1649	1907	1878	1920	µS/cm
Water temperature	19.7	19.8	25.1	17.4	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	1.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	86,100	89,200	97,400	104,000		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	<20	<10	<2.0	<4.0	J2	µg/L	GE	0
		Barium	314	317	353	396		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	4.3	3.8	4.9	4.6		µg/L	GE	1
		Calcium	3,090	2,840	3,140	3,030		µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		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	3,240	2,500	1,380	3,820		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	4.4		µg/L	GE	0
		Chromium-51			<1.2E+02			pCi/L		
		Cobalt	38	35	38	42		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	58	53	52	48		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 FSB119D 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)	2.1	<1.0	1.6	<1.0		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid	0.33	<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
		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	486	417	532	496		µg/L	GE	0
	■	Gross alpha	8.8E+02	7.6E+02	7.1E+02	1.5E+03		pCi/L	GE	2
		Iodine-131			<2.0E+01			pCi/L		
		Iron	812	686	737	3,240		µg/L	GE	2
	■	Lead	13	10	25	20		µg/L	GE	2
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	1,690	1,690	2,020	1,960		µg/L	GE	0
		Manganese	1,700	1,720	1,850	1,850		µg/L	GE	2
		Manganese-54			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Mercury	0.59	0.44	1.6	0.42		µg/L	GE	0
		Methoxychlor	<0.50	<0.50	<0.50	<0.50		µg/L	GE	0
		Nickel	33	32	39	39		µg/L	GE	0
		Niobium-95			<1.5E+01			pCi/L		
	■	Nitrate-nitrite as nitrogen	230,000	257,000	264,000	268,000		µg/L	GE	2
	■	Nonvolatile beta	1.4E+03	2.5E+03	2.2E+03	1.8E+03		pCi/L	GE	2
•		pH	3.5	3.4	3.5	3.6	J	pH	GE	1
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	1,170	1,300	1,360	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	23,700	24,400	25,900	28,200		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	60,700	59,800	61,300	53,500		µg/L	GE	0
		Sodium-22			<1.0E+01	<1.0E+01		pCi/L	GP	0
		Specific conductance	1,700	1,800	1,820	1,400		µS/cm	GE	2
		Sulfate	8,060	2,980	2,510	3,500		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
		Thallium	<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 activity	2.2E+07	2.1E+07	2.1E+07	1.6E+07		pCi/L	EM	0
	■	Total alpha-emitting radium	9.2E+01	1.1E+02	1.1E+02	7.8E+01		pCi/L	GE	2
		Total dissolved solids	696,000	677,000	788,000	686,000	V	µg/L	GE	0
		Total organic carbon	2,000	2,000	2,420	1,840		µg/L	GE	0
•		Total organic halogens	11	5.1	8.2	<5.0	J	µg/L	GE	0
		Total phosphates (as P)	240	80	570	60		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+04	2.2E+04	2.0E+04	1.4E+04		pCi/mL	GE	2
		Uranium			2,420	2,500		µg/L	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	100	87	91	101		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 FSB119D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Zinc-65			< 2.0E + 01	< 2.0E + 01		pCi/L	GP	0
		Zirconium-95			< 2.0E + 01			pCi/L		

WELL FSB120A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75538.9 E49175.7	33.273077 °N 81.684041 °W	109.0-99.0 ft msl	280.1 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 01/28/92 04/16/92 07/19/92 11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	148.6	148.9	148.2	148.5	ft msl
pH	10.6	10.9	11.3	10.9	pH
Sp. conductance	241	506	460	280	µS/cm
Water temperature	19.2	21.9	20.3	19.9	°C
Alkalinity as $CaCO_3$	90	119	126	112	mg/L
Volume purged	7.0	4.0	5.0	4.8	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	1,380	2,160	1,970	1,800		µg/L	GE	2
		Antimony	2.2	< 2.0	5.3	< 2.0		µg/L	GE	0
		Arsenic	2.4	< 2.0	96	< 2.0		µg/L	GE	0
		Barium	32	61	49	40		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	0.88	< 2.0		µg/L	GE	0
		Calcium	32,000	50,000	48,100	40,900	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	2,250	2,360	2,370	2,160		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	8.2	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	< 4.0	0.92	< 4.0		µg/L	GE	0
		Copper	5.3	< 4.0	2.8	< 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)	< 1.0	< 1.0	1.8	< 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	173	129	206	162		µg/L	GE	0
		Gross alpha	< 2.0E + 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 FSB120A continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Iron	<4.0	5.5	14	11		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	199	130	199	202		µg/L	GE	0
		Manganese	<2.0	<2.0	3.0	<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	9.4	<4.0		µg/L	GE	0
		Nitrate as nitrogen	2,680		5,090			µg/L		
		Nitrate-nitrite as nitrogen		5,000	4,500	3,240		µg/L	GE	0
		Nonvolatile beta	9.9E+00	1.3E+01	1.1E+01	6.1E+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	4,420	7,370	4,800	4,000		µg/L	GE	0
		Selenium	<2.0	<2.0	42	<2.0	J1	µg/L	GE	0
		Silica	9,850	9,970	9,770	10,300		µg/L	GE	0
		Silver	<2.0	<2.0	1.2	<2.0		µg/L	GE	0
		Sodium	4,350	7,740	5,240	4,720		µg/L	GE	0
		Specific conductance	160	400	474	240		µS/cm	GE	0
		Sulfate	<1,000	1,130	1,210	1,060		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
		Thallium	<2.0	<2.0	9.0	<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	1.1E+00		pCi/L	GE	0
		Total dissolved solids	123,000	158,000	169,000	102,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<500	7,280		µg/L	GE	1
		Total organic halogens	<5.0	<5.0	<5.0	5.4		µg/L	GE	0
		Total phosphates (as P)	280	220	344	180		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	7.6E+01	1.6E+02	1.2E+02	7.5E+01		pCi/mL	GE	2
		Uranium			<20	<20		µg/L	GE	0
		Vanadium	<8.0	<8.0	5.0	<8.0		µg/L	GE	0
		Zinc	3.3	<2.0	4.5	4.7		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 FSB120C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75549.8 E49171.1	33.273094 °N 81.684074 °W	160.7-150.7 ft msl	279.7 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/28/92	04/26/92	07/16/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	207.9	207.2	206.7	206.5	ft msl
pH	5.6	5.3	5.1	5.4	pH
Sp. conductance	498	455	450	380	µS/cm
Water temperature	18.9	19.0	21.6	19.1	°C
Alkalinity as $CaCO_3$	6	2	2	3	mg/L
Volume purged	4.0	4.0	4.0	5.3	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	222	212	271	295		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	155	130	128	118		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	31,400	27,900	26,100	25,200		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		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	3,480	2,920	3,030	2,860		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
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	13	11	12	10		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)	2.1	1.8	3.4	< 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
		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 FSB120C 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	143	142	150	< 100		µg/L	GE	0
	■	Gross alpha	9.2E + 00	8.3E + 00	9.1E + 00	2.3E + 01		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	< 4.0	< 4.0	< 4.0	< 4.0		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0	J1	µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	14,000	12,000	12,100	11,600		µg/L	GE	0
		Manganese	352	271	306	243		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
		Methoxychlor	< 0.50	< 0.50	< 0.50	< 0.50		µg/L	GE	0
		Nickel	12	11	15	8.4		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	53,500	53,500	53,600	50,000		µg/L	GE	2
	■	Nonvolatile beta	5.2E + 01	5.8E + 01	4.6E + 01	5.0E + 01		pCi/L	GE	2
•		pH	6.3	6.0	5.4	5.5	J	pH	GE	0
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Potassium	2,310	2,240	2,040	1,790		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	9,310	9,910	10,000	10,700		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	40,300	36,600	34,100	34,200		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	450	420	425	400		µS/cm	GE	1
		Sulfate	2,760	1,960	1,540	1,200		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
		Thallium	< 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 activity	2.3E + 06	1.9E + 06	1.8E + 06	1.6E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	1.4E + 01	9.8E + 00	1.2E + 01	8.7E + 00		pCi/L	GE	2
		Total dissolved solids	338,000	358,000	347,000	377,000		µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
•		Total organic halogens	10	70	< 5.0	< 5.0	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		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	1.9E + 03	1.7E + 03	1.5E + 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	35	31	44	28		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 FSB120D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75568.7 E49163.7	33.273124 °N 81.684130 °W	216.5-196.5 ft msl	280.5 ft msl	4" PVC	S	Water table ($IIIB_2$)

SAMPLE DATE	01/28/92	04/26/92	07/17/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	211.6	210.8	210.3	210.1	ft msl
pH	6.7	6.6	6.0	6.3	pH
Sp. conductance	117	85	63	46	µS/cm
Water temperature	17.6	18.7	25.8	16.7	°C
Alkalinity as $CaCO_3$	36	26	25	19	mg/L
Volume purged	1.1	1.2	0.4	1.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	< 20	< 20	< 20	106		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	16	11	11	24		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	4,550	2,440	1,820	3,230	J2	µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	2,600	2,140	1,750	1,130		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)	< 1.0	1.2	1.9	< 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		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	175		µg/L	GE	1
		Lead	< 3.0	< 3.0	< 3.0	11		µg/L	GE	1
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	367	203	152	273		µg/L	GE	0
		Manganese	12	20	5.7	15		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 FSB120D 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
		Nickel	8.6	6.3	6.5	5.5		µg/L	GE	0
		Nitrate as nitrogen	240					µg/L		
		Nitrate-nitrite as nitrogen		120	70	70		µg/L	GE	0
		Nonvolatile beta	1.3E+01	5.3E+00	2.6E+00	3.7E+00		pCi/L	GE	0
•		pH	7.2	7.1	6.7	7.5	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	4,140	6,730	3,570	3,260		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	6,400	6,640	4,900	7,400		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	15,500	11,100	5,560	5,940		µg/L	GE	0
		Specific conductance	85	70	60	60		µS/cm	GE	0
		Sulfate	8,820	3,980	2,010	1,120		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
		Thallium	<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	1.2E+00	1.4E+00		pCi/L	GE	0
		Total dissolved solids	69,000	45,000	39,000	39,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	5,560		µg/L	GE	1
		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	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	1.3E+01	1.6E+01	1.6E+01	1.5E+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	67	55	42	74		µg/L	GE	0

WELL FSB121C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75155.7 E48413.1	33.270985 °N 81.685304 °W	158.4-148.4 ft msl	256.5 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/28/92	04/26/92	07/19/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	206.3	205.5	204.8	204.7	ft msl
pH	6.1	5.9	6.0	5.8	pH
Sp. conductance	43	47	59	33	µS/cm
Water temperature	18.3	18.6	20 2	18.6	°C
Alkalinity as $CaCO_3$	11	9	19	6	mg/L
Volume purged	5.0	4.0	4.0	6.9	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	21	20	39		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	35	43	42	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.
• = exceeded holding time for 4th quarter 1992.
■ = exceeded final primary drinking water standard for 4th quarter 1992.

Well FSB121C 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	3,120	3,670	3,560	3,160		µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloride	2,820	2,790	2,690	2,800		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)	<1.0	<1.0	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	486	<100	525	<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	6.7		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	366	398	385	492		µg/L	GE	0
		Manganese	13	14	12	16		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	560					µg/L		
		Nitrate-nitrite as nitrogen		660	700	790		µg/L	GE	0
		Nonvolatile beta	2.2E+00	3.9E+00	<2.0E+00	2.2E+00		pCi/L	GE	0
•		pH	6.3	6.4	6.1	6.3	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	1,190	1,440	1,530	1,140		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	9,860	10,500	10,200	10,900		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	2,990	3,320	3,180	3,000		µg/L	GE	0
		Specific conductance	30	38	42	30		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
		Thallium	<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	1.2E+00		pCi/L	GE	0
		Total dissolved solids	24,000	27,000	31,000	26,000	V	µg/L	GE	0
		Total organic carbon	<1,000	<1,000	<1,000	2,510		µg/L	GE	0
		Total organic halogens	33	<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

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 FSB121C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	7.2E+01	7.8E+01	7.5E+01	7.7E+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	5.1	3.3	6.0	4.5		µg/L	GE	0

WELL FSB121DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75151.9 E48429.7	33.271004 °N 81.685253 °W	211.3-191.3 ft msl	255.5 ft msl	4" PVC	S	Water table (HB_2)

SAMPLE DATE 07/19/92 11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation			207.7	207.5	ft msl
pH			6.4	4.3	pH
Sp. conductance			150	157	µS/cm
Water temperature			22.2	17.1	°C
Alkalinity as $CaCO_3$			48	0	mg/L
Volume purged			0.7	1.1	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum			<20	2,650		µg/L	GE	2
		Antimony			<2.0	<2.0		µg/L	GE	0
		Arsenic			<2.0	<2.0		µg/L	GE	0
		Barium			24	74		µg/L	GE	0
		Benzene			<1.0	<1.0		µg/L	GE	0
		Bromodichloromethane			<1.0	<1.0		µg/L	GE	0
		Bromoform			<1.0	<1.0		µg/L	GE	0
		Bromomethane (Methyl bromide)			<1.0	<1.0		µg/L	GE	0
		Cadmium			<2.0	<2.0		µg/L	GE	0
		Calcium			10,200	4,670		µg/L	GE	0
		Carbon tetrachloride			<1.0	<1.0		µg/L	GE	0
		Chloride			1,390	978		µg/L	GE	0
		Chlorobenzene			<1.0	<1.0		µg/L	GE	0
		Chloroethane			<1.0	<1.0		µg/L	GE	0
		Chloroethene (Vinyl chloride)			<1.0	<1.0		µg/L	GE	0
		2-Chloroethyl vinyl ether			<1.0	<1.0		µg/L	GE	0
		Chloroform			<1.0	<1.0		µg/L	GE	0
		Chloromethane (Methyl chloride)			<1.0	<1.0		µg/L	GE	0
		Chromium			<4.0	<4.0		µg/L	GE	0
		Cobalt			<4.0	8.4		µg/L	GE	0
		Copper			<4.0	5.2		µg/L	GE	0
		Cyanide			<5.0	<5.0		µg/L	GE	0
		Dibromochloromethane			<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethane			<1.0	<1.0		µg/L	GE	0
		1,2-Dichloroethane			<1.0	<1.0		µg/L	GE	0
		1,1-Dichloroethylene			<1.0	<1.0		µg/L	GE	0
		trans-1,2-Dichloroethylene			<1.0	<1.0		µg/L	GE	0
		Dichloromethane (Methylene chloride)			1.1	<1.0	JV	µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid			<0.30	<0.30		µg/L	GE	0
		1,2-Dichloropropane			<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 FSB121DR continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		cis-1,3-Dichloropropene			<1.0	<1.0		µg/L	GE	0
		trans-1,3-Dichloropropene			<1.0	<1.0		µg/L	GE	0
		Endrin			<0.0060	<0.0060		µg/L	GE	0
		Ethylbenzene			<1.0	<1.0		µg/L	GE	0
		Fluoride			221	179		µg/L	GE	0
	■	Gross alpha			4.0E+01	3.7E+01		pCi/L	GE	2
		Iron			39	294		µg/L	GE	1
	■	Lead			<3.0	57	J2	µg/L	GE	2
		Lindane			<0.0050	<0.0050		µg/L	GE	0
		Magnesium			940	1,750		µg/L	GE	0
		Manganese			83	228		µg/L	GE	2
		Mercury			<0.20	<0.20		µg/L	GE	0
		Methoxychlor			<0.50	<0.50		µg/L	GE	0
		Nickel			<4.0	9.9		µg/L	GE	0
	■	Nitrate-nitrite as nitrogen			25,400	18,600		µg/L	GE	2
	■	Nonvolatile beta			1.7E+02	1.1E+02		pCi/L	GE	2
•		pH			4.7	4.8	J	pH	GE	0
		Phenols			<5.0	<5.0		µg/L	GE	0
		Potassium			8,640	1,400		µg/L	GE	0
		Selenium			<2.0	<2.0	J1	µg/L	GE	0
		Silica			9,920	9,690		µg/L	GE	0
		Silver			<2.0	<2.0		µg/L	GE	0
		Sodium			18,300	5,970		µg/L	GE	0
		Specific conductance			190	130		µS/cm	GE	0
		Sulfate			3,690	2,820		µg/L	GE	0
		1,1,2,2-Tetrachloroethane			<1.0	<1.0		µg/L	GE	0
		Tetrachloroethylene			<1.0	<1.0		µg/L	GE	0
		Thallium			<2.0	<2.0		µg/L	GE	0
		Toluene			<1.0	<1.0		µg/L	GE	0
		Total activity			5.0E+05	3.4E+05		pCi/L	EM	0
	■	Total alpha-emitting radium			7.5E+00	2.2E+01		pCi/L	GE	2
		Total dissolved solids			162,000	97,000		µg/L	GE	0
		Total organic carbon			<1,000	<1,000		µg/L	GE	0
		Total organic halogens			9.0	<5.0		µg/L	GE	0
		Total phosphates (as P)			6,250	290		µg/L	GE	0
		Toxaphene			<0.24	<0.24		µg/L	GE	0
		2,4,5-TP (Silvex)			<0.090	<0.090		µg/L	GE	0
		1,1,1-Trichloroethane			<1.0	<1.0		µg/L	GE	0
		1,1,2-Trichloroethane			<1.0	<1.0		µg/L	GE	0
		Trichloroethylene			<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane			<1.0	<1.0		µg/L	GE	0
	■	Tritium			4.7E+02	3.2E+02		pCi/mL	GE	2
		Uranium			<20	<20		µg/L	GE	0
		Vanadium			<8.0	<8.0		µg/L	GE	0
		Zinc			86	94		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 FSB122C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73881.8 E48195.0	33.267812 °N 81.683403 °W	170.0-160.0 ft msl	218 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/26/92	04/27/92	07/16/92	11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	201.1	200.5	199.8	199.8	ft msl
pH	4.4	4.5	4.3	4.3	pH
Sp. conductance	514	493	476	455	µS/cm
Water temperature	17.9	18.0	19.5	18.2	°C
Alkalinity as $CaCO_3$	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	602	550	546	644		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	145	126	126	135		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	25,700	22,400	23,800	25,600		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		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	3,600	3,740	3,750		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
		Chromium-51			< 1.2E + 02			pCi/L		
		Cobalt	12	11	12	12		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	5.0	< 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	1.7	< 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
		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 FSB122C 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	271	211	263	214		µg/L	GE	0
	■	Gross alpha	6.9E + 00	1.4E + 01	5.1E + 00	2.6E + 01		pCi/L	GE	2
		Iodine-131			< 2.0E + 01			pCi/L		
		Iron	5.0	6.2	8.3	93		µg/L	GE	0
		Lead	< 3.0	< 3.0	< 3.0	< 3.0	J1	µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	13,700	12,100	12,400	13,900		µg/L	GE	0
		Manganese	200	176	188	205		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
		Methoxychlor	< 0.50	< 0.50	< 0.50	< 0.50		µg/L	GE	0
		Nickel	15	11	17	13		µg/L	GE	0
		Niobium-95			< 1.5E + 01			pCi/L		
	■	Nitrate-nitrite as nitrogen	61,000	58,400	55,000	25,400		µg/L	GE	2
	■	Nonvolatile beta	9.9E + 01	1.2E + 02	7.7E + 01	7.0E + 01		pCi/L	GE	2
•		pH	4.8	4.7	4.5	4.6	J	pH	GE	0
		Phenols	< 5.0	< 5.0	< 5.0	< 5.0		µg/L	GE	0
		Potassium	1,490	1,570	1,590	1,440		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	9,950	10,300	10,500	11,000		µg/L	GE	0
		Silver	< 2.0	< 2.0	< 2.0	< 2.0		µg/L	GE	0
		Sodium	46,400	41,800	39,800	43,200		µg/L	GE	0
		Sodium-22			< 1.0E + 01	< 1.0E + 01		pCi/L	GP	0
		Specific conductance	420	480	465	440		µS/cm	GE	1
		Sulfate	10,600	1,270	< 1,000	1,270		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
		Thallium	< 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 activity	2.3E + 06	2.1E + 06	1.9E + 06	1.9E + 06		pCi/L	EM	0
	■	Total alpha-emitting radium	6.3E + 00	6.1E + 00	7.9E + 00	8.2E + 00		pCi/L	GE	2
		Total dissolved solids	339,000	359,000	346,000	307,000		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	8.2	J	µg/L	GE	0
		Total phosphates (as P)	< 50	70	< 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	2.1E + 03	2.0E + 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
		Yttrium-88			< 6.0E + 01	< 6.0E + 01		pCi/L	GP	0
		Zinc	90	73	80	74		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 FSB122D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73865.5 E48201.7	33.267787 °N 81.683354 °W	206.6-186.6 ft msl	217.6 ft msl	4" PVC	S	Water table (IIB_y)

SAMPLE DATE: 01/26/92 | 04/27/92 | 07/19/92 | 11/19/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	205.0	204.2	203.9	203.4	ft msl
pH	5.1	5.3	5.1	4.8	pH
Sp. conductance	86	107	109	128	µS/cm
Water temperature	18.5	17.2	20.5	19.1	°C
Alkalinity as $CaCO_3$	1	1	2	0	mg/L
Volume purged	6.0	4.0	4.0	10.6	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	44	122	59	120		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	27	39	33	55		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	3,990	4,900	4,800	6,490		µg/L	GE	0
		Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Chloride	3,000	3,120	3,340	3,270		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	57	< 4.0	< 4.0		µg/L	GE	0
		Cobalt	< 4.0	5.0	< 4.0	< 4.0		µg/L	GE	0
		Copper	< 4.0	8.1	4.8	< 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)	1.0	< 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	3.7E + 00		pCi/L	GE	0
		Iron	14	96	13	23		µg/L	GE	0
		Lead	< 3.0	4.4	6.1	< 3.0	J1	µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	2,300	3,210	2,780	4,420		µg/L	GE	0
		Manganese	19	76	23	32		µg/L	GE	1
		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 FSB122D 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
		Nickel	<4.0	186	5.4	4.8		µg/L	GE	0
	■	Nitrate-nitrite as nitrogen	7,000	1,090	12,000	14,400		µg/L	GE	2
		Nonvolatile beta	1.5E+01	2.0E+01	5.5E+01	1.7E+01		pCi/L	GE	0
•		pH	5.1	5.4	5.2	5.1	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	<500	<500	644		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	6,040	6,030	6,340	7,090		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	5,810	7,760	5,750	8,400		µg/L	GE	0
		Specific conductance	70	100	108	120		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	1.3	<1.0	<1.0		µg/L	GE	0
		Thallium	<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 activity	4.6E+05	5.7E+05	6.0E+05	6.6E+05		pCi/L	EM	0
		Total alpha-emitting radium	1.1E+00	1.2E+00	3.2E+01	2.1E+00		pCi/L	GE	0
		Total dissolved solids	63,000	80,000	85,000	89,000		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	10	<5.0	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		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	2.3	<1.0	<1.0		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
	■	Tritium	4.5E+02	5.1E+02	5.4E+02	6.0E+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	15	33	23	20		µg/L	GE	0

WELL FSB123C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74566.7 E51750.5	33.275129 °N 81.675374 °W	165.3-155.3 ft msl	238.1 ft msl	4" PVC	S	Barnwell (IIB_1)

SAMPLE DATE	01/28/92	04/16/92	07/06/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	211.2	210.9	210.8	210.6	ft msl
pH	5.5	5.5	5.6	5.9	pH
Sp. conductance	76	72	75	65	µS/cm
Water temperature	18.0	19.8	20.4	18.3	°C
Alkalinity as $CaCO_3$	10	11	13	11	mg/L
Volume purged	4.0	4.0	5.0	3.5	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	<20	<20	21	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	<2.0		µg/L	GE	0
		Barium	23	20	17	17		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.

• = exceeded holding time for 4th quarter 1992.

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

Well FSB123C 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	8,080	8,530	8,460	8,750		µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloride	3,780	3,710	3,890	3,670		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)	<1.0	1.8	<1.0	<1.0	JV	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	5.5E+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	J1	µg/L	GE	0
		Lindane	<0.0050	<0.0050	<0.0050	<0.0050		µg/L	GE	0
		Magnesium	573	652	586	618		µg/L	GE	0
		Manganese	12	13	9.1	8.5		µg/L	GE	0
		Mercury	<0.20	<0.20	0.44	<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	3,220					µg/L		
		Nitrate-nitrite as nitrogen		4,050	3,300	3,600		µg/L	GE	0
		Nonvolatile beta	<2.0E+00	<2.0E+00	<2.0E+00	1.1E+01		pCi/L	GE	0
•		pH	6.0	6.1	5.8	5.9	J	pH	GE	0
		Phenols	<5.0	<5.0	<5.0	<5.0		µg/L	GE	0
		Potassium	<500	551	<500	<500		µg/L	GE	0
		Selenium	<2.0	<2.0	<2.0	<2.0	J1	µg/L	GE	0
		Silica	11,200	12,800	11,600	12,400		µg/L	GE	0
		Silver	<2.0	<2.0	<2.0	<2.0		µg/L	GE	0
		Sodium	3,410	3,980	3,700	3,880		µg/L	GE	0
		Specific conductance	55	78	70	70		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
		Thallium	<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	1.3E+00		pCi/L	GE	0
		Total dissolved solids	62,000	55,000	50,000	61,000		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)	210	250	250	190		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

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 FSB123C continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	1.2	1.5	1.4	1.7		µg/L	GE	0
		Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Tritium	2.2E+00	2.5E+00	2.6E+00	2.3E+00		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	13	17	17	16		µg/L	GE	0

WELL FSB123D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74562.7 E51734.8	33.275095 °N 81.675407 °W	214.1-194.1 ft msl	238.1 ft msl	4" PVC	S	Water table (IIB_2)

SAMPLE DATE	01/28/92	04/16/92	07/06/92	11/20/92

FIELD DATA

Analyte	1Q92	2Q92	3Q92	4Q92	Unit
Water elevation	212.6	212.2	212.5	212.0	ft msl
pH	4.5	4.6	4.3	4.9	pH
Sp. conductance	44	40	42	42	µS/cm
Water temperature	17.9	19.0	20.0	18.2	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Volume purged	4.0	4.0	4.0	14.4	Well vol.

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		Aluminum	47	62	64	92		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	10	11	14	11		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	1.3	<2.0		µg/L	GE	0
		Calcium	973	629	640	507		µg/L	GE	0
		Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0		µg/L	GE	0
		Chloride	4,240	4,250	4,260	4,220		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	<1.1	<4.0		µg/L	GE	0
		Cobalt	<4.0	<4.0	2.9	<4.0		µg/L	GE	0
		Copper	<4.0	<4.0	9.4	<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	11	<1.0	JV	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

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 FSB1 23D continued

ANALYTICAL DATA

H	D	Analyte	1Q92	2Q92	3Q92	4Q92	Mod	Unit	Lab	Flag
		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	1.6E + 00	3.3E + 00		pCi/L	GE	0
		Iron	5.3	9.2	25	6.5		µg/L	GE	0
		Lead	< 3.0	< 3.0	3.7	< 3.0	J1	µg/L	GE	0
		Lindane	< 0.0050	< 0.0050	< 0.0050	< 0.0050		µg/L	GE	0
		Magnesium	682	750	660	672		µg/L	GE	0
		Manganese	12	13	13	13		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	2,070		2,180			µg/L		
		Nitrate-nitrite as nitrogen		2,120	2,300	2,580		µg/L	GE	0
		Nonvolatile beta	< 2.0E + 00	< 2.0E + 00	4.2E + 00	1.1E + 01		pCi/L	GE	0
•		pH	5.0	5.0	4.9	5.1	J	pH	GE	0
		Phenols	< 5.0	< 5.0	5.9	< 5.0		µg/L	GE	0
		Potassium	< 500	< 500	495	< 500		µg/L	GE	0
		Radium-226			1.0E + 00			pCi/L		
		Radium-228			1.1E + 00			pCi/L		
		Selenium	< 2.0	< 2.0	< 2.0	< 2.0	J1	µg/L	GE	0
		Silica	6,580	7,240	6,630	6,950		µg/L	GE	0
		Silver	< 2.0	< 2.0	1.3	< 2.0		µg/L	GE	0
		Sodium	4,300	5,170	4,990	5,930		µg/L	GE	0
		Specific conductance	30	40	40	40		µS/cm	GE	0
		Sulfate	< 1,000	< 1,000	< 1,000	< 1,000		µg/L	GE	0
		1,1,2,2-Tetrachloroethane	< 1.0	1.5	< 1.0	< 1.0		µg/L	GE	0
		Tetrachloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		µg/L	GE	0
		Thallium	< 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	1.2E + 00	1.6E + 00	< 1.0E + 00	< 1.0E + 00		pCi/L	GE	0
		Total dissolved solids	33,000	24,000	39,000	35,000	V	µg/L	GE	0
		Total organic carbon	< 1,000	< 1,000	< 500	< 1,000		µg/L	GE	0
		Total organic halogens	< 5.0	18	32	7.1		µg/L	GE	0
		Total phosphates (as P)	< 50	< 50	< 20	< 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	9.0E + 00	9.5E + 00	3.5E + 01	9.8E + 00		pCi/mL	GE	0
		Uranium			0.50	< 20		µg/L	GE	0
		Vanadium	< 8.0	< 8.0	2.9	< 8.0		µg/L	GE	0
		Xylenes			< 5.0			µg/L		
		Zinc	6.5	8.2	21	2.2		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.

Appendix E – Data Quality/Useability Assessment

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.

Method	Used to Analyze	Source
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

Method	Used to Analyze	Source
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

Element	True value (µg/L)	Mean reported value (µg/L)	Mean percent RSD[a]
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 (µg/L)	Mean reported value (µg/L)	Mean percent RSD[a]
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 (%).

[a] 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'[a] (µg/L)	Single analyst precision (µg/L)[b]	Overall precision (µg/L)[c]
Bromodichloromethane	$1.12C - 1.02$[d]	$0.11\bar{X} + 0.04$[e]	$0.20\bar{X} + 1.00$
Bromoform	$0.96C - 2.05$	$0.12\bar{X} + 0.58$	$0.21\bar{X} + 2.41$
Bromomethane	$0.76C - 1.27$	$0.28\bar{X} + 0.27$	$0.36\bar{X} + 0.94$
Carbon tetrachloride	$0.98C - 1.04$	$0.15\bar{X} + 0.38$	$0.20\bar{X} + 0.39$
Chlorobenzene	$1.00C - 1.23$	$0.15\bar{X} - 0.02$	$0.18\bar{X} + 1.21$
Chloroethane	$0.99C - 1.53$	$0.14\bar{X} - 0.13$	$0.17\bar{X} + 0.63$
2-Chloroethyl vinyl ether[f]	$1.00C$	$0.20\bar{X}$	$0.35\bar{X}$
Chloroform	$0.93C - 0.39$	$0.13\bar{X} + 0.15$	$0.19\bar{X} - 0.02$
Chloromethane	$0.77C + 0.18$	$0.28\bar{X} - 0.31$	$0.52\bar{X} + 1.31$
Dibromochloromethane	$0.94C + 2.72$	$0.11\bar{X} + 1.10$	$0.24\bar{X} + 1.68$
1,2-Dichlorobenzene	$0.93C + 1.70$	$0.20\bar{X} + 0.97$	$0.13\bar{X} + 6.13$
1,3-Dichlorobenzene	$0.95C + 0.43$	$0.14\bar{X} + 2.33$	$0.26\bar{X} + 2.34$
1,4-Dichlorobenzene	$0.93C - 0.09$	$0.15\bar{X} + 0.29$	$0.20\bar{X} + 0.41$
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[f]	$1.00C$	$0.13\bar{X}$	$0.23\bar{X}$
cis-1,3-Dichloropropene[f]	$1.00C$	$0.18\bar{X}$	$0.32\bar{X}$
trans-1,3-Dichloropropene[f]	$1.00C$	$0.18\bar{X}$	$0.32\bar{X}$
Methylene chloride	$0.91C - 0.93$	$0.11\bar{X} + 0.33$	$0.21\bar{X} + 1.43$
1,1,2,2-Tetrachlorethane	$0.95C + 0.19$	$0.14\bar{X} + 2.41$	$0.23\bar{X} + 2.79$
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	$0.87C + 0.48$	$0.13\bar{X} - 0.03$	$0.23\bar{X} + 0.30$

Parameter	Accuracy as recovery, X'[a] (µg/L)	Single analyst precision (µg/L)[b]	Overall precision (µg/L)[c]
Trichlorofluoromethane	$0.89C-0.07$	$0.15\overline{X}+0.67$	$0.26\overline{X}+0.91$
Vinyl chloride	$0.97C-0.36$	$0.13\overline{X}+0.65$	$0.27\overline{X}+0.40$

[a] X' = expected recovery for one or more measurements of a sample containing a concentration of C, in µg/L.
[b] Expected single analyst standard deviation of measurements.
[c] Expected interlaboratory standard deviation of measurements.
[d] C = true value for the concentration, in µg/L.
[e] $\overline{X}$ = average recovery found for measurements of samples containing a concentration of C, in µg/L.
[f] Estimates based on performance in a single laboratory.

References

APHA (American Public Health Association), 1985. **Standard Methods for the Examination of Water and Wastewater**, 16th edition. Washington, DC.

APHA (American Public Health Association), 1989. **Standard Methods for the Examination of Water and Wastewater**, 17th edition. Washington, DC.

ASTM (American Society for Testing and Materials), 1992. **1992 Annual Book of ASTM Standards**, Volume 11.02, Water (II). Philadelphia, PA.

CFR (Code of Federal Regulations), 1991. *Guidelines Establishing Test Procedures for the Analysis of Groundwater,* **Title 40, Part 136**, Appendix A. Revised July 1, 1991. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1986. **Test Methods for Evaluating Solid Waste (SW-846)**, Volumes IA–IC. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1987. **Data Quality Objectives for Remedial Response Activities**. PB88-131870; EPA/540/G-87/003. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1988a. **Contract Laboratory Program Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration**. SOW No. 788. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1988b. **Contract Laboratory Program Statement of Work for Organics Analysis Multi-Media, Multi-Concentration**. SOW No. 288. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1990. **Guidance for Data Useability in Risk Assessment**. Interim Final. EPA/540/G-90/008. Washington, DC.

EPA EMSL (U.S. Environmental Protection Agency, Environmental Monitoring and Systems Laboratory), 1979. **Handbook for Analytical Quality Control in Water Wastewater Laboratories**. PB-297 451; EPA-600/4-79-019. Cincinnati, OH.

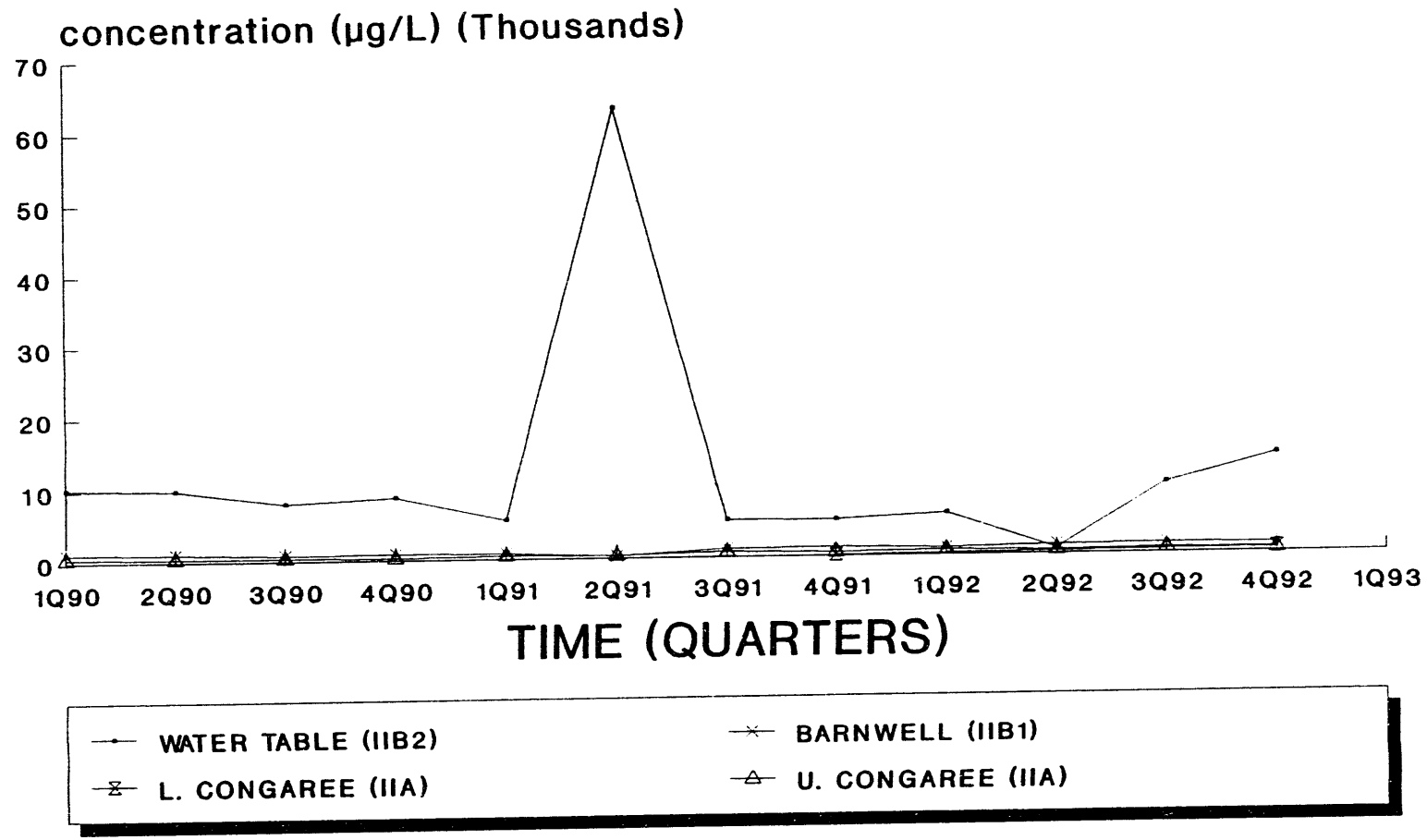
EPA EMSL (U.S. Environmental Protection Agency, Environmental Monitoring and Systems Laboratory), 1983. **Methods for Chemical Analysis of Water and Wastes**. Revised March 1983. Cincinnati, OH.

EPA EMSL (U.S. Environmental Protection Agency, Environmental Monitoring and Systems Laboratory), 1991. **Test Method, The Determination of Inorganic Anions in Water by Ion Chromatography–Method 300.0**. Revised August 1991. Cincinnati, OH.

Appendix F – Time Series Plots

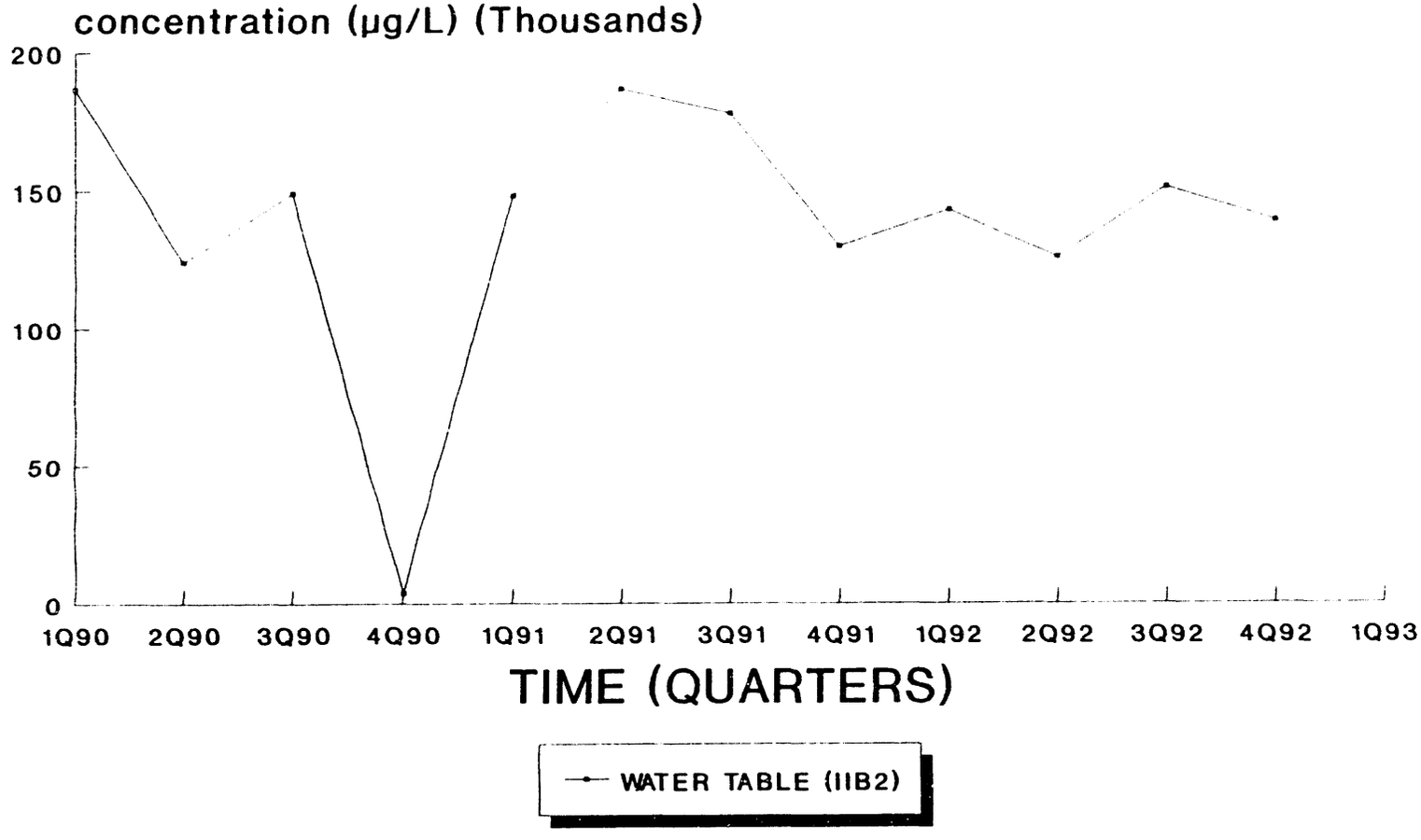
CLUSTER - FSB 76

Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

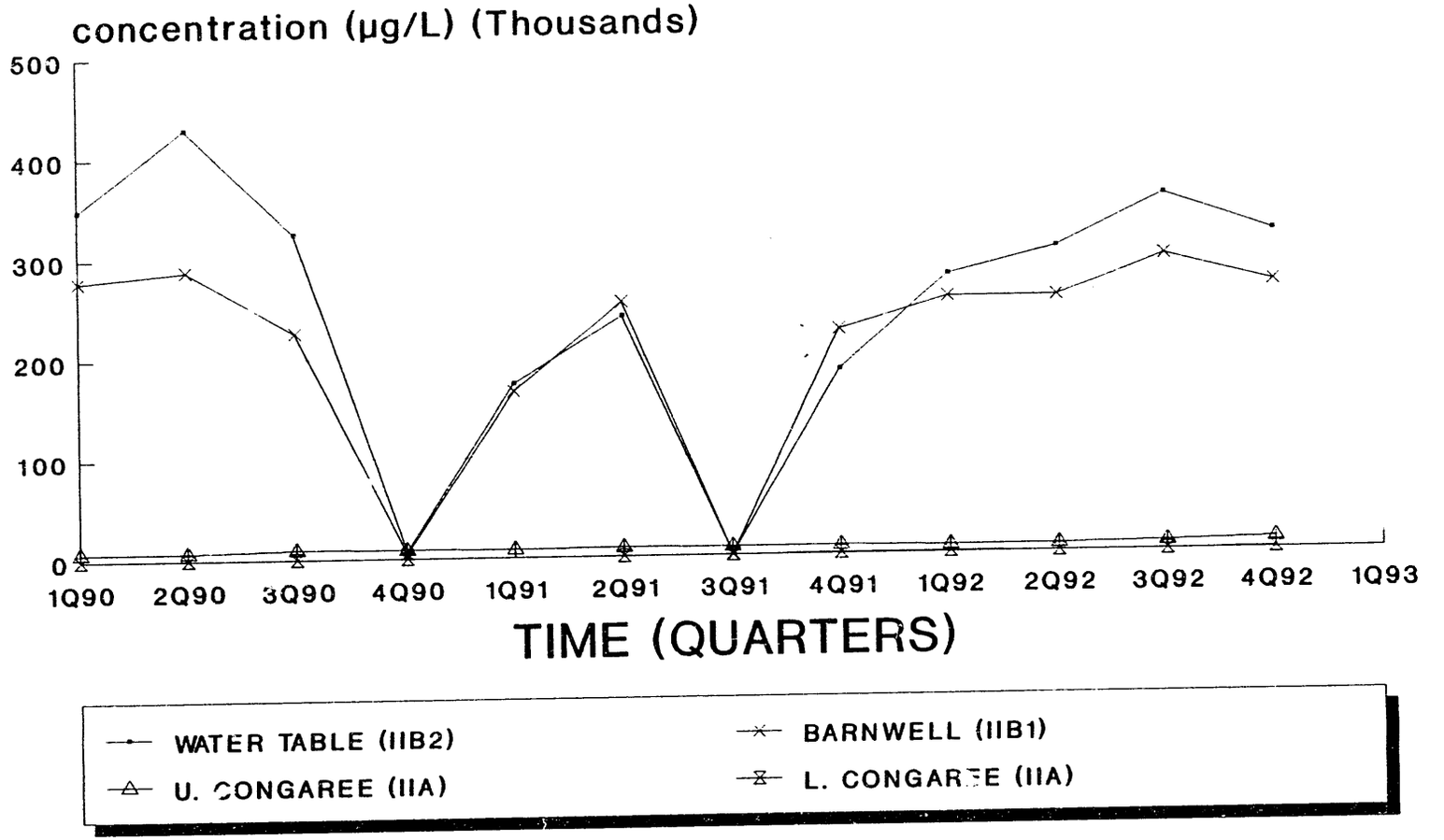
FSB 77
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 78

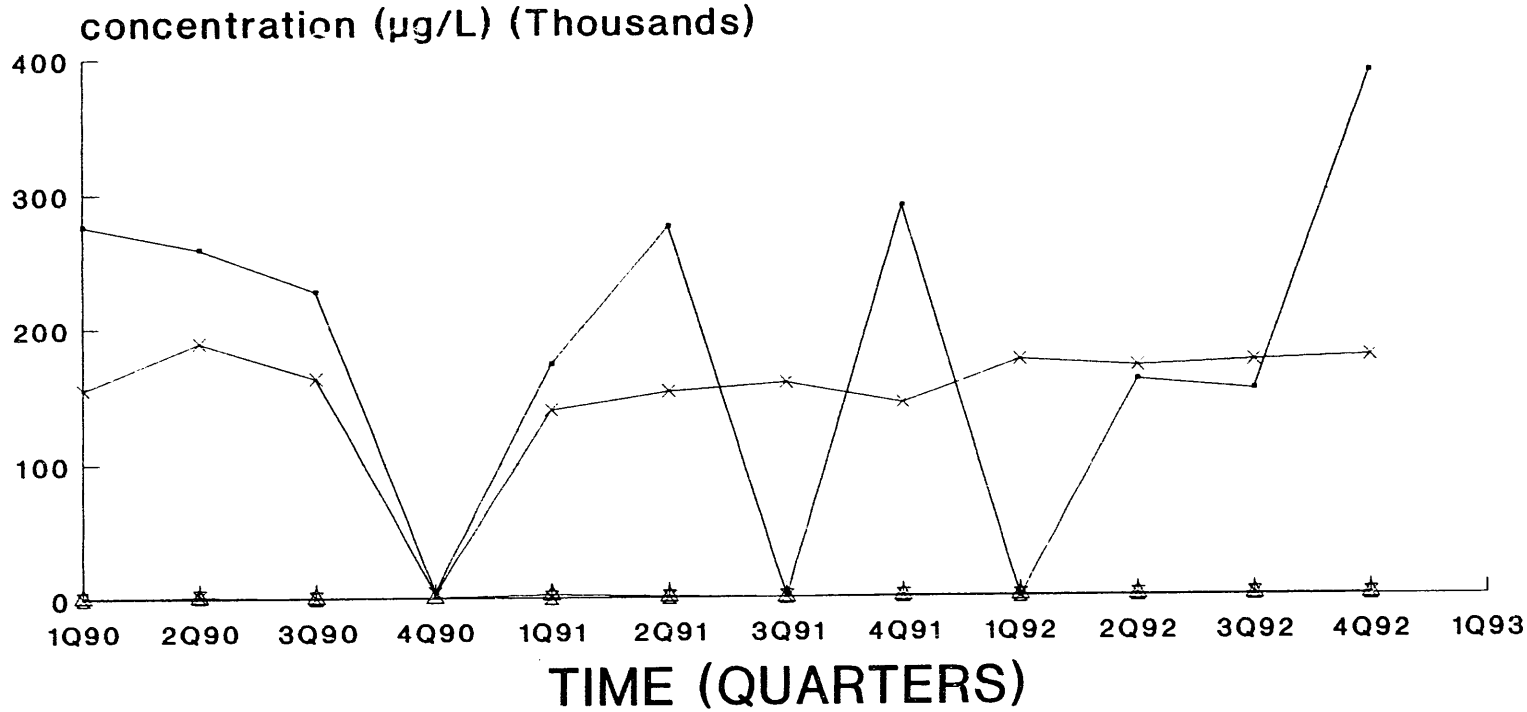
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 79

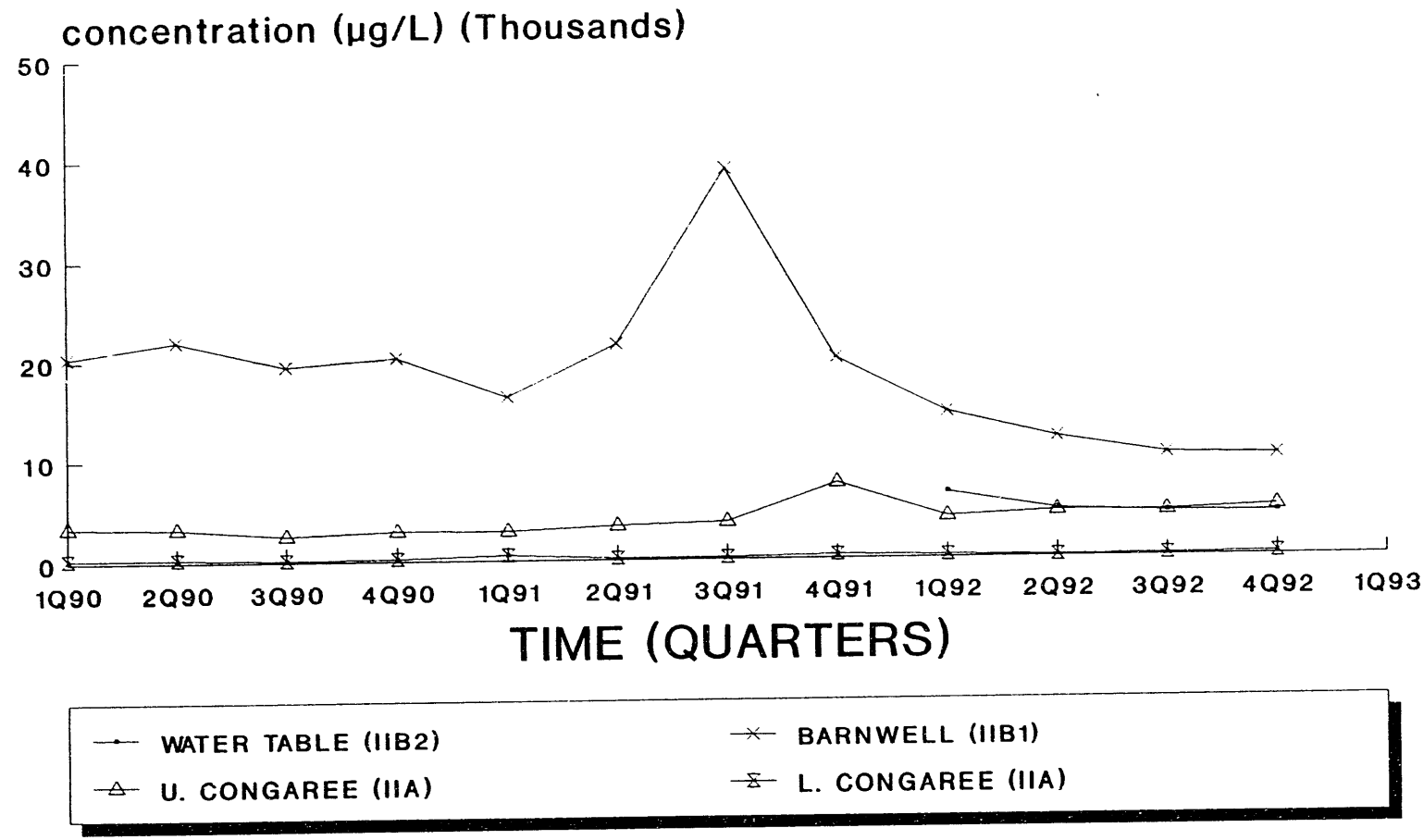
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 87

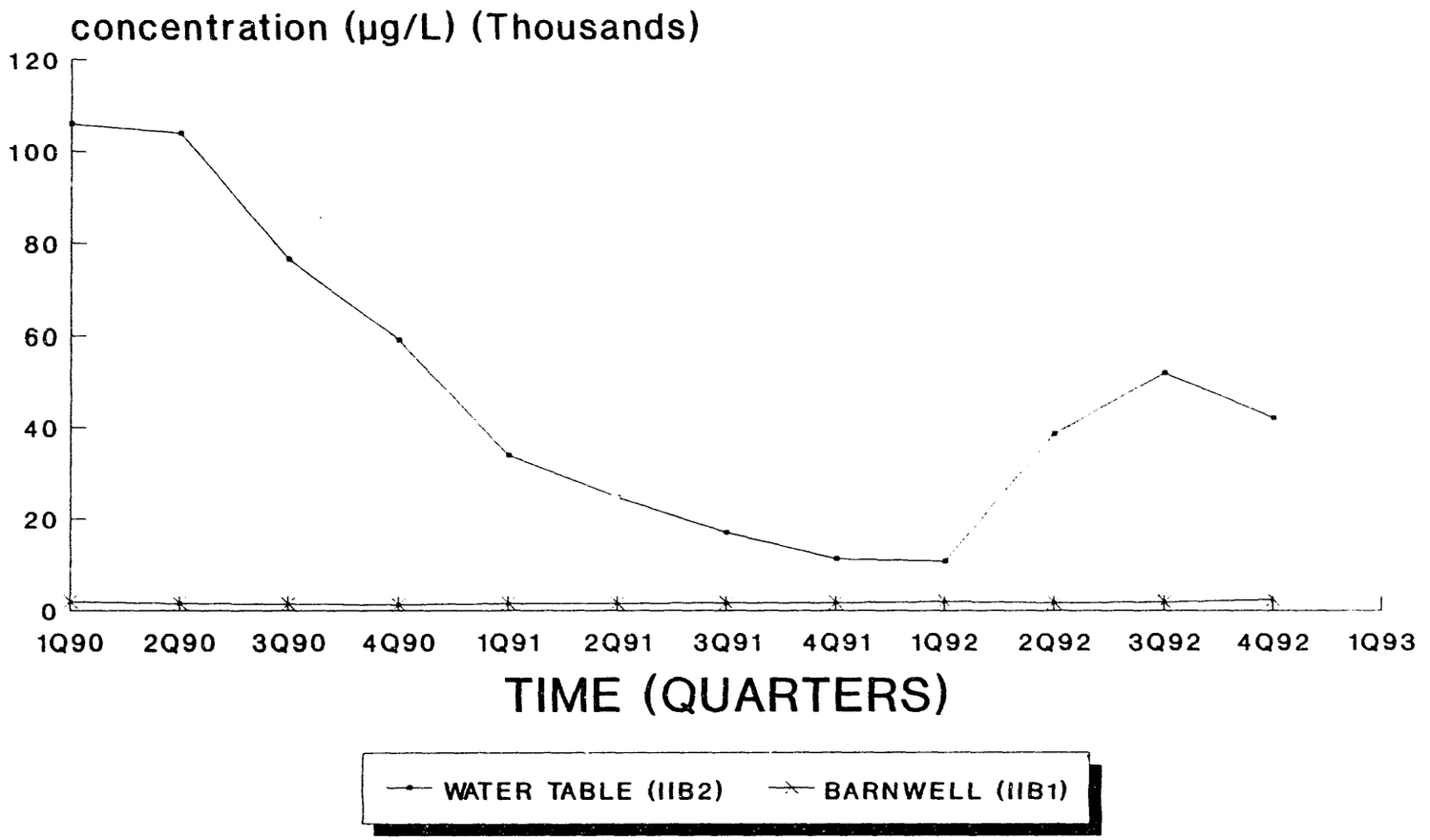
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 88

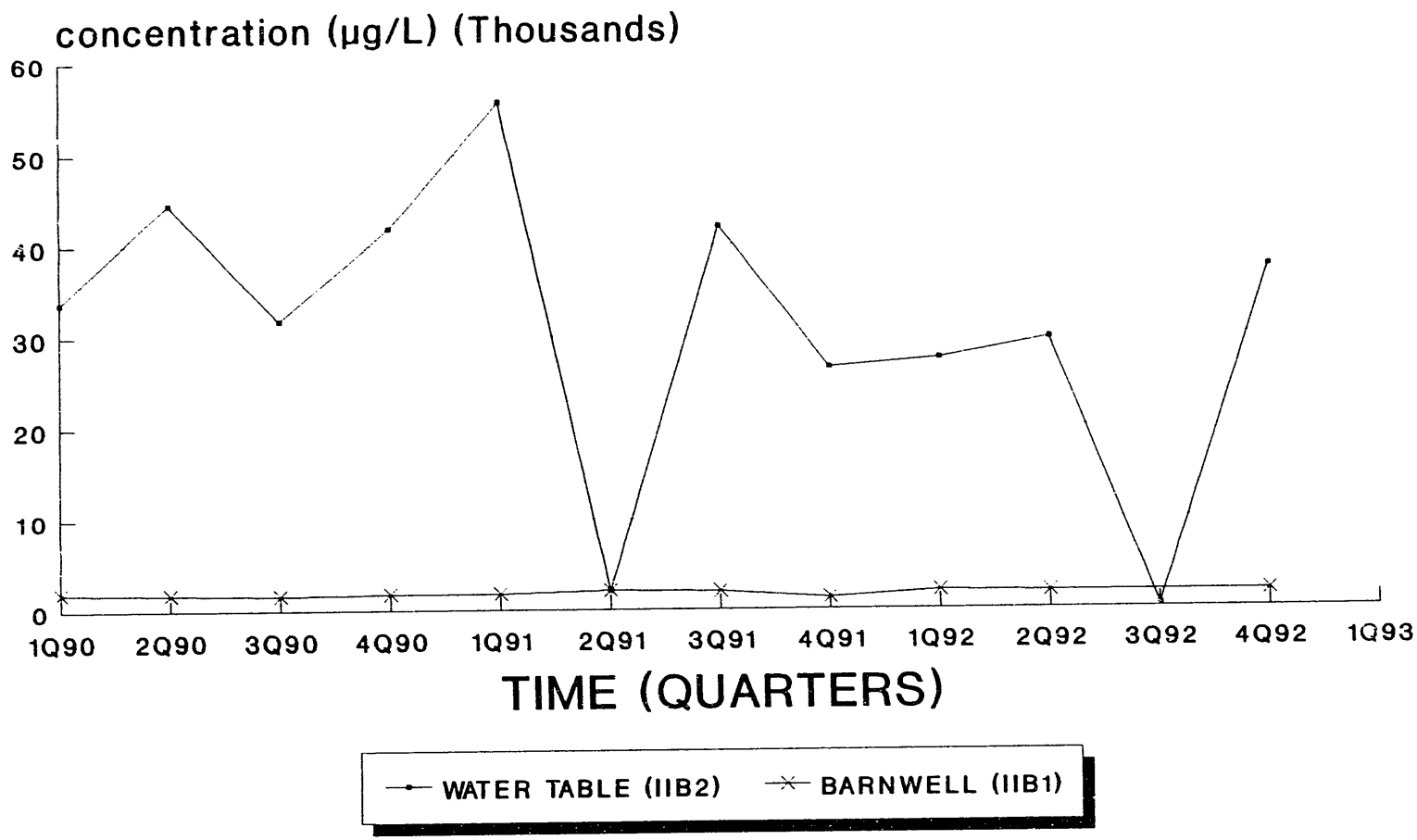
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 89

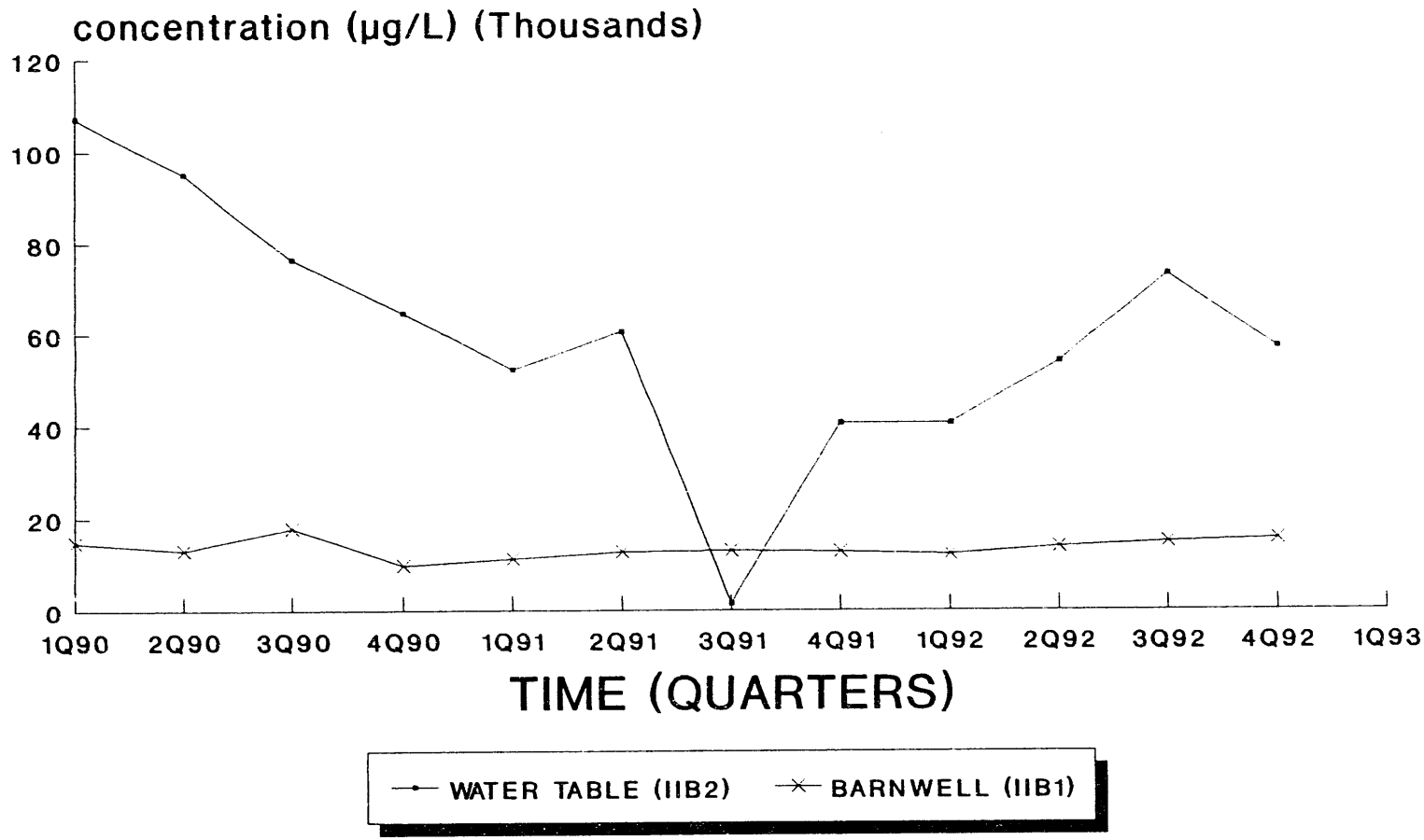
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 90

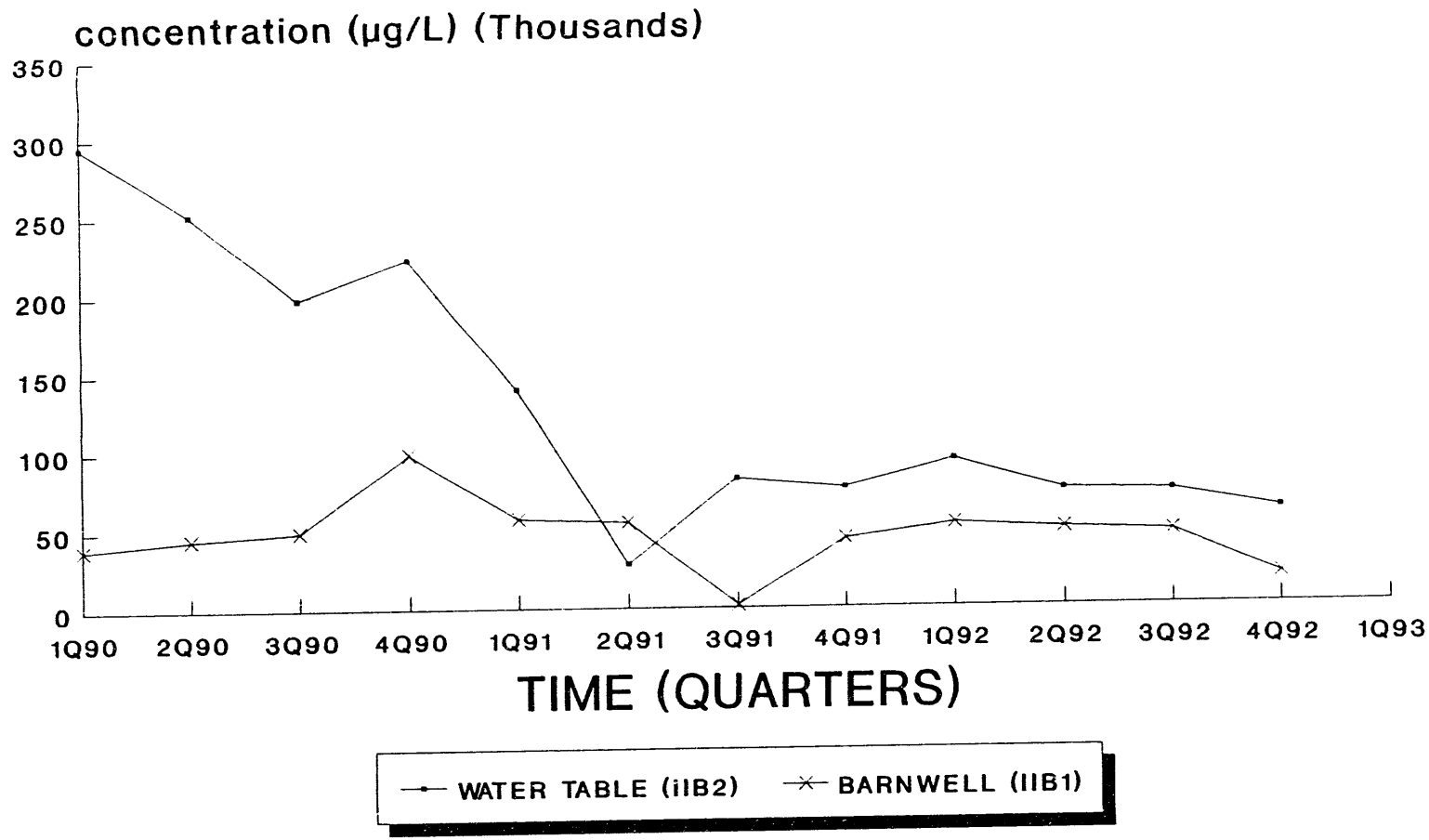
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 91

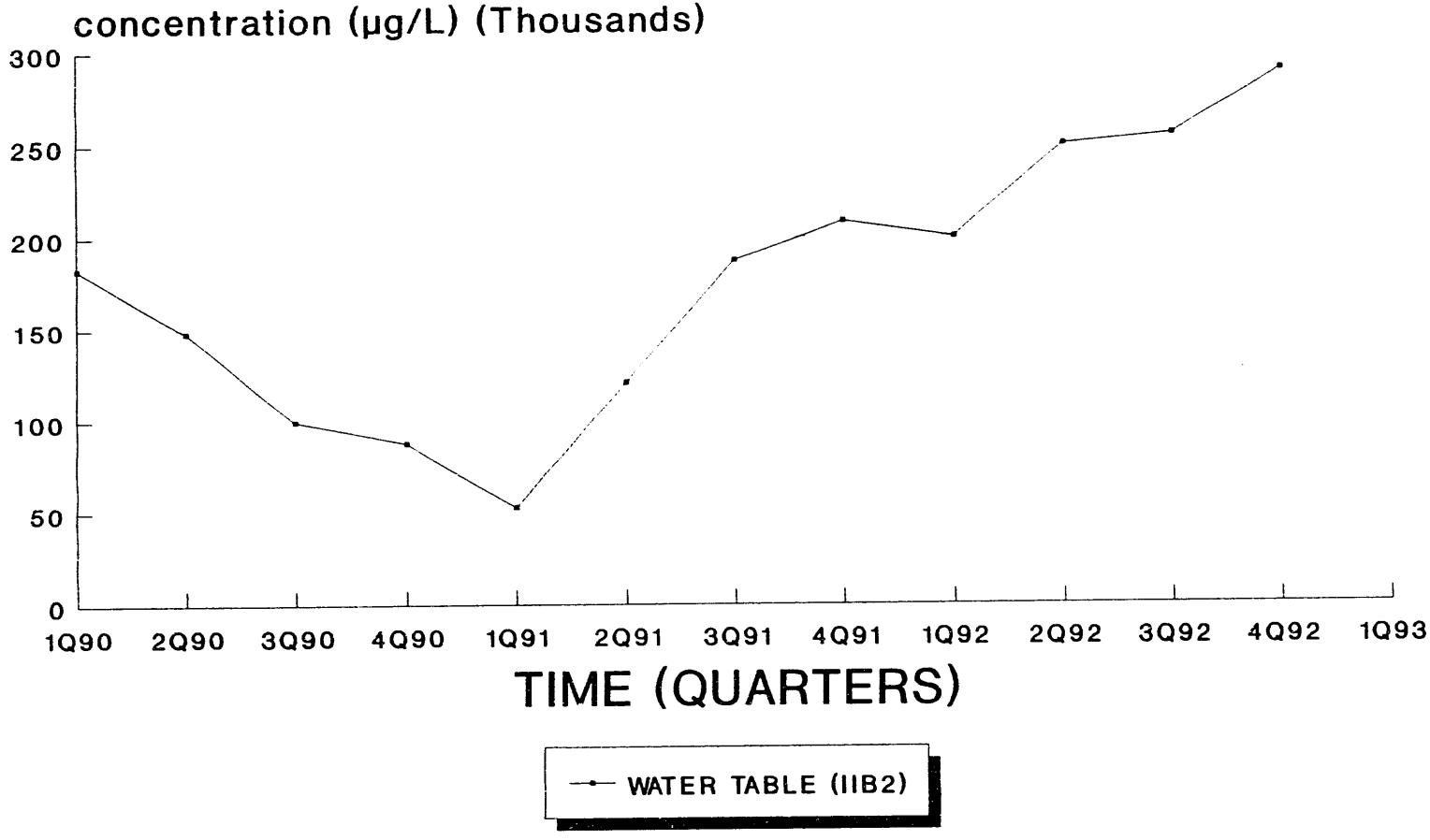
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

FSB 92D

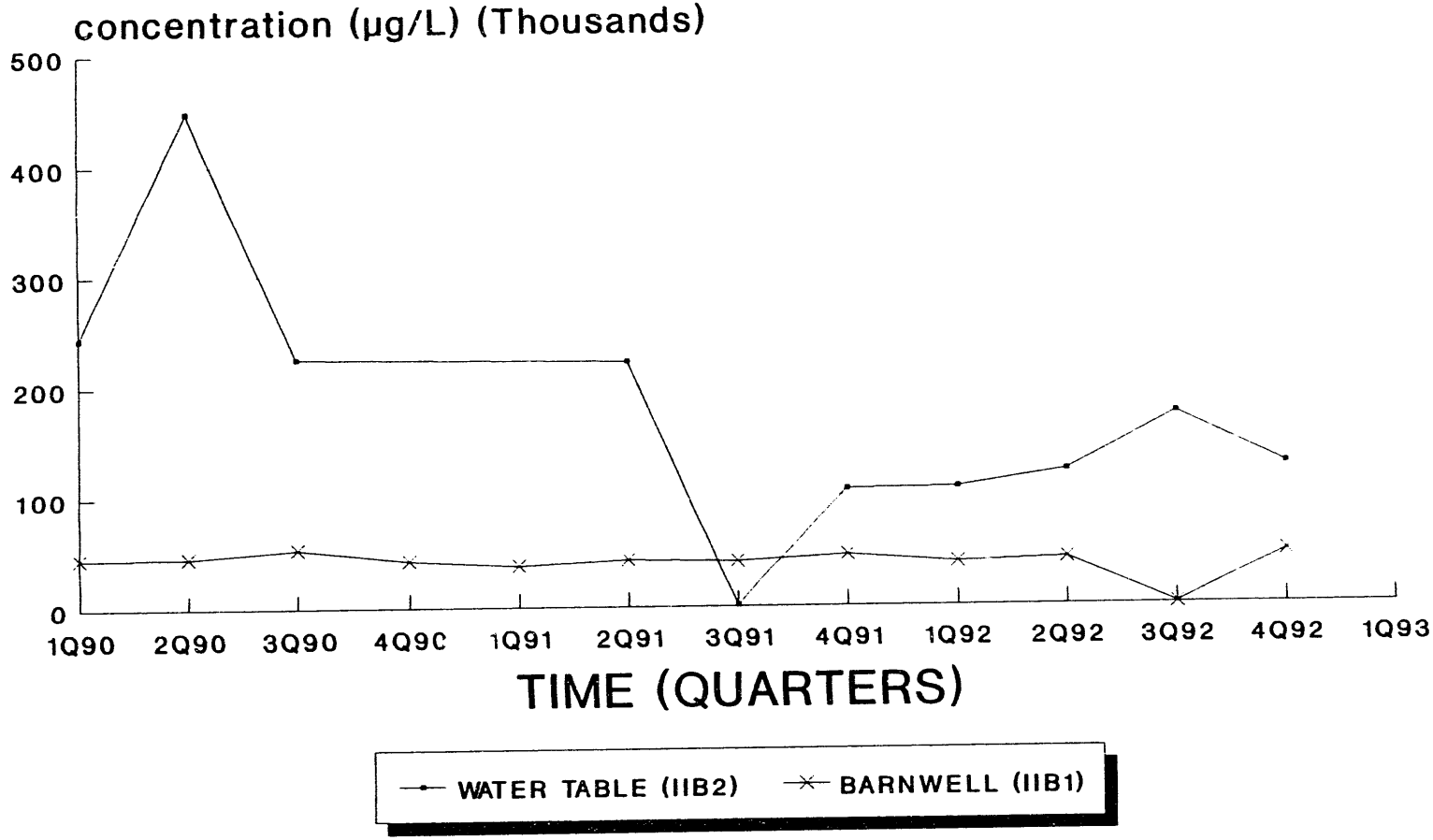
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 93

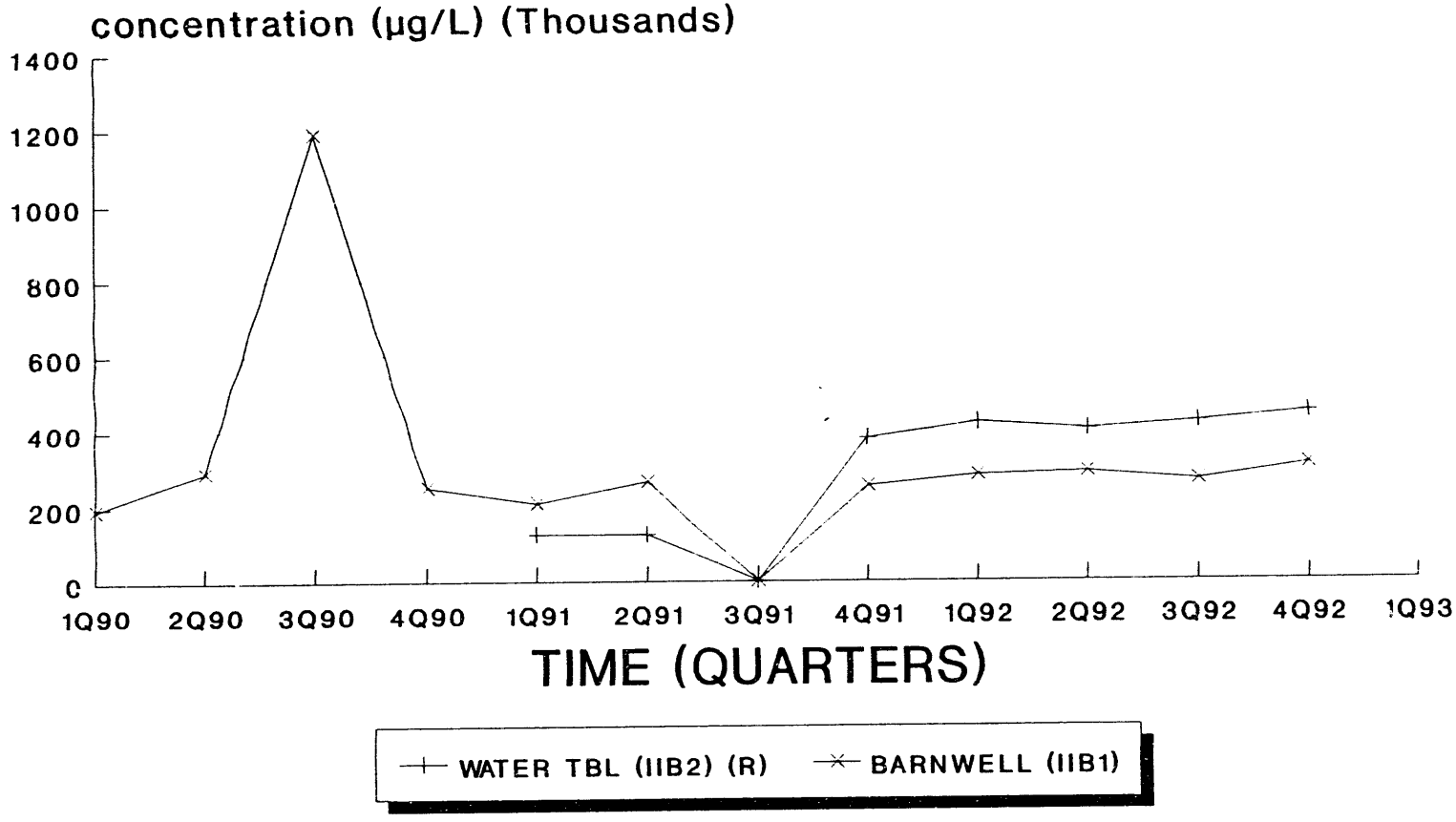
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 94

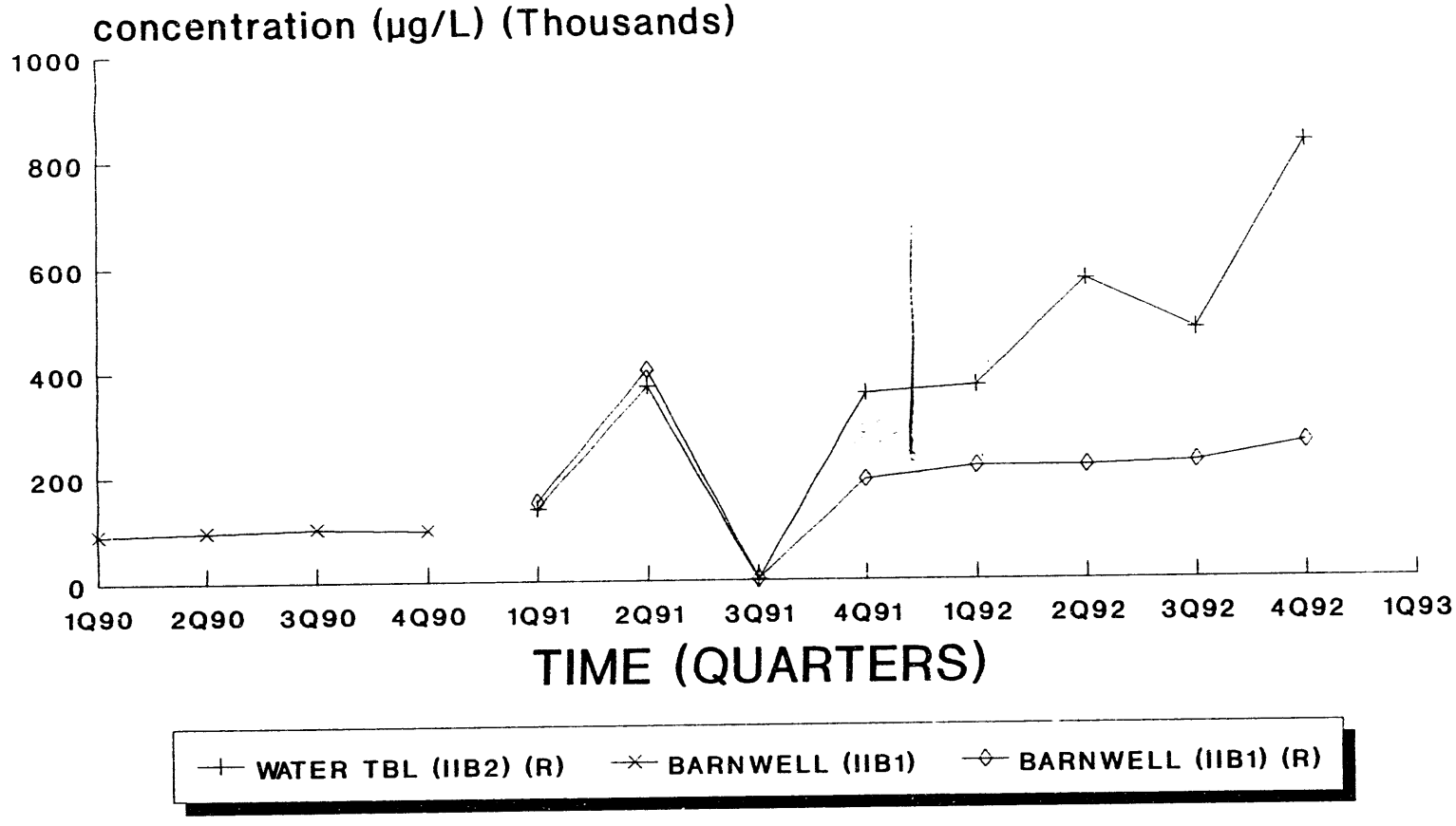
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - FSB 95

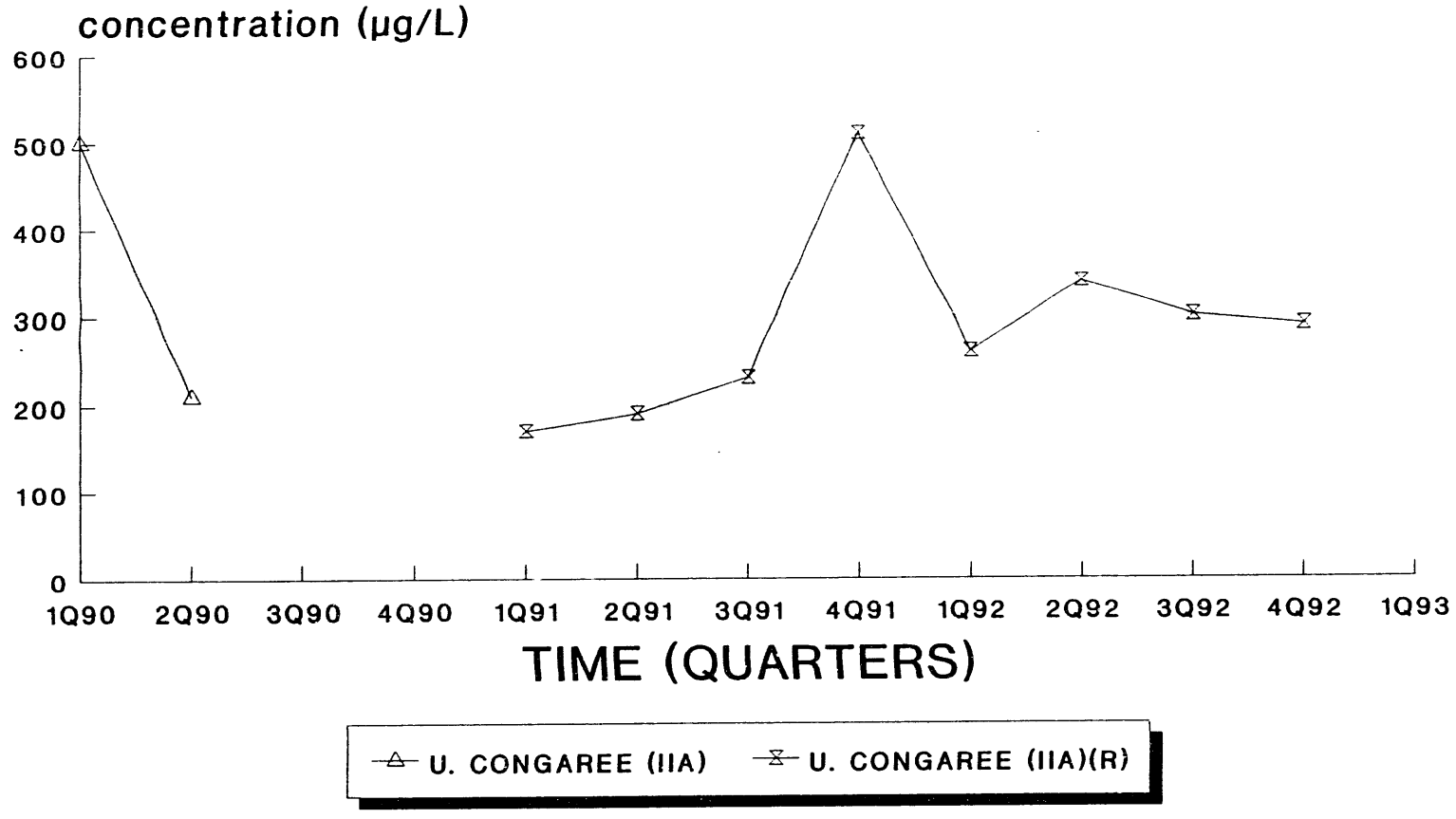
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - FSB 96

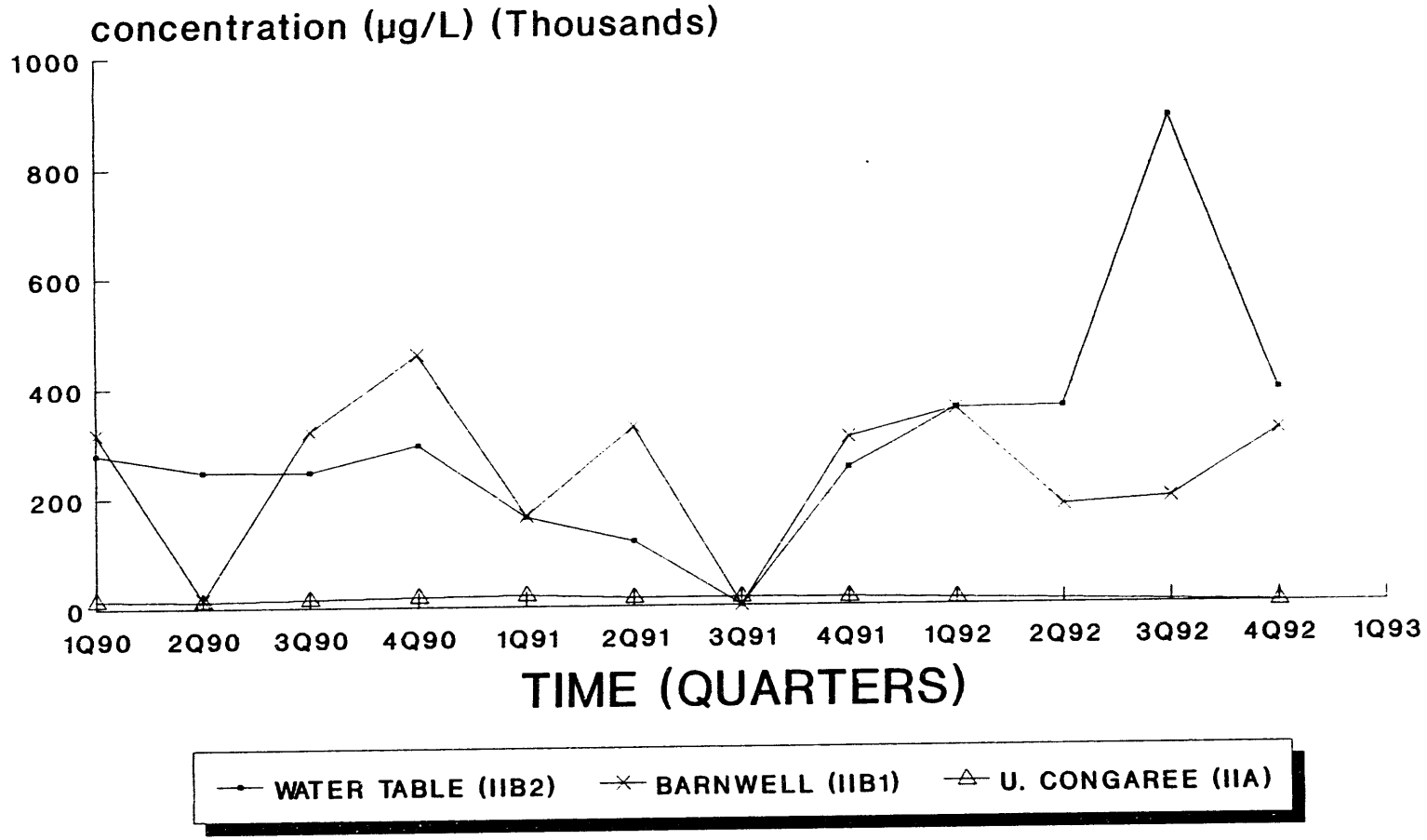
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - FSB 97

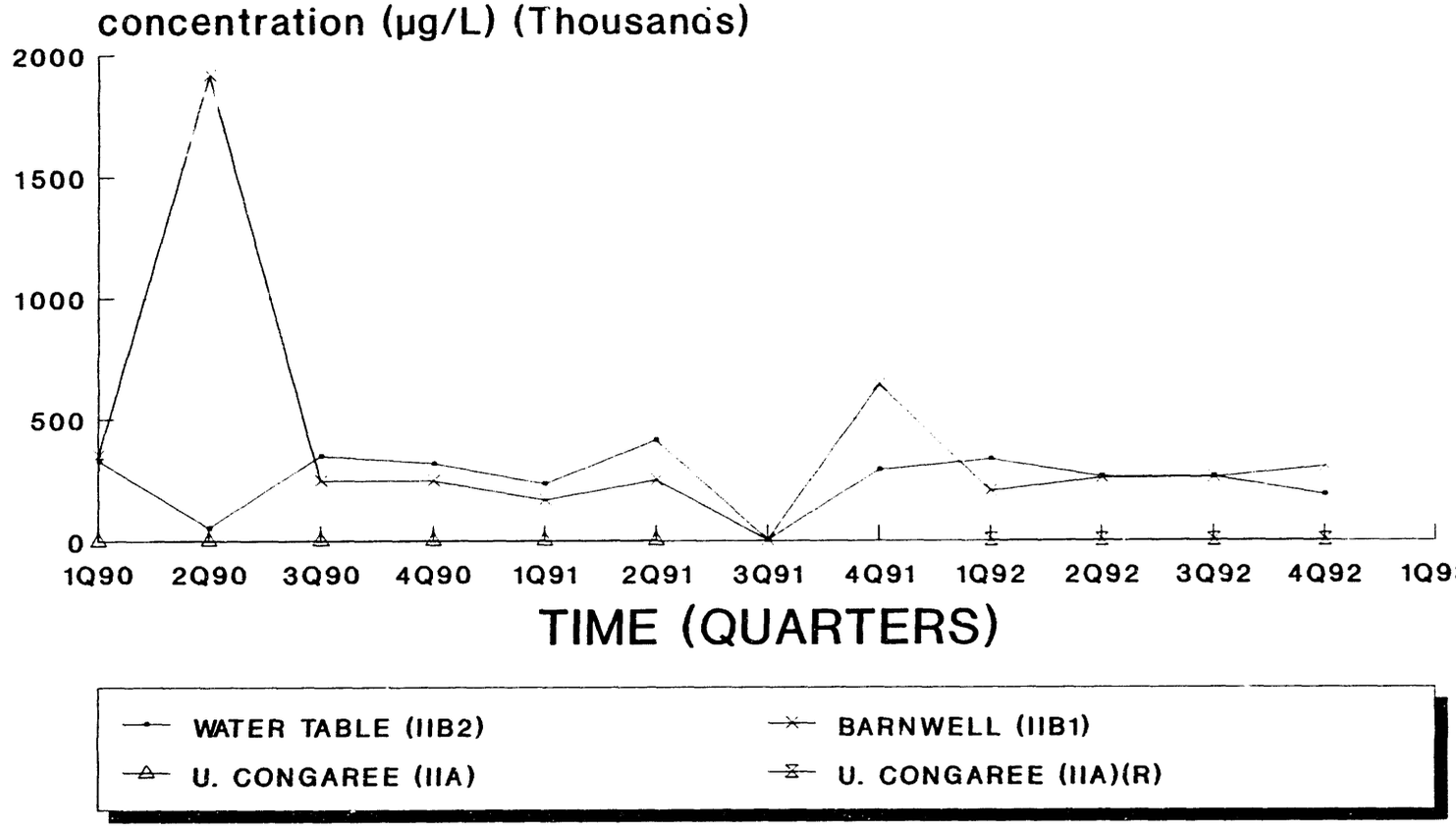
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 98

Nitrate-Nitrite as Nitrogen

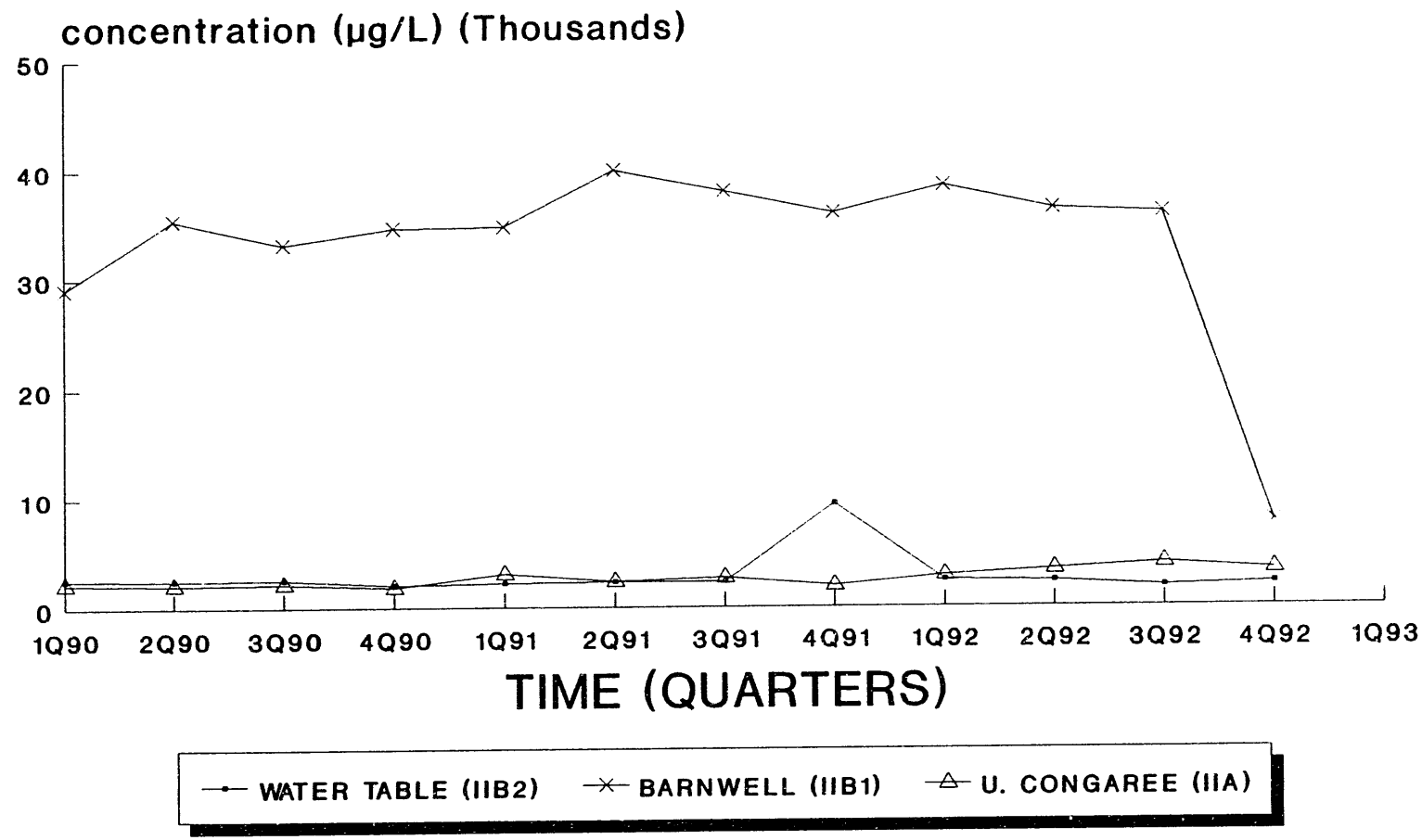


PDWS 10,000 µg/L
empty space denotes no data or dry well;
(R) denotes a replacement well

WSRC-TR-93-058

CLUSTER - FSB 99

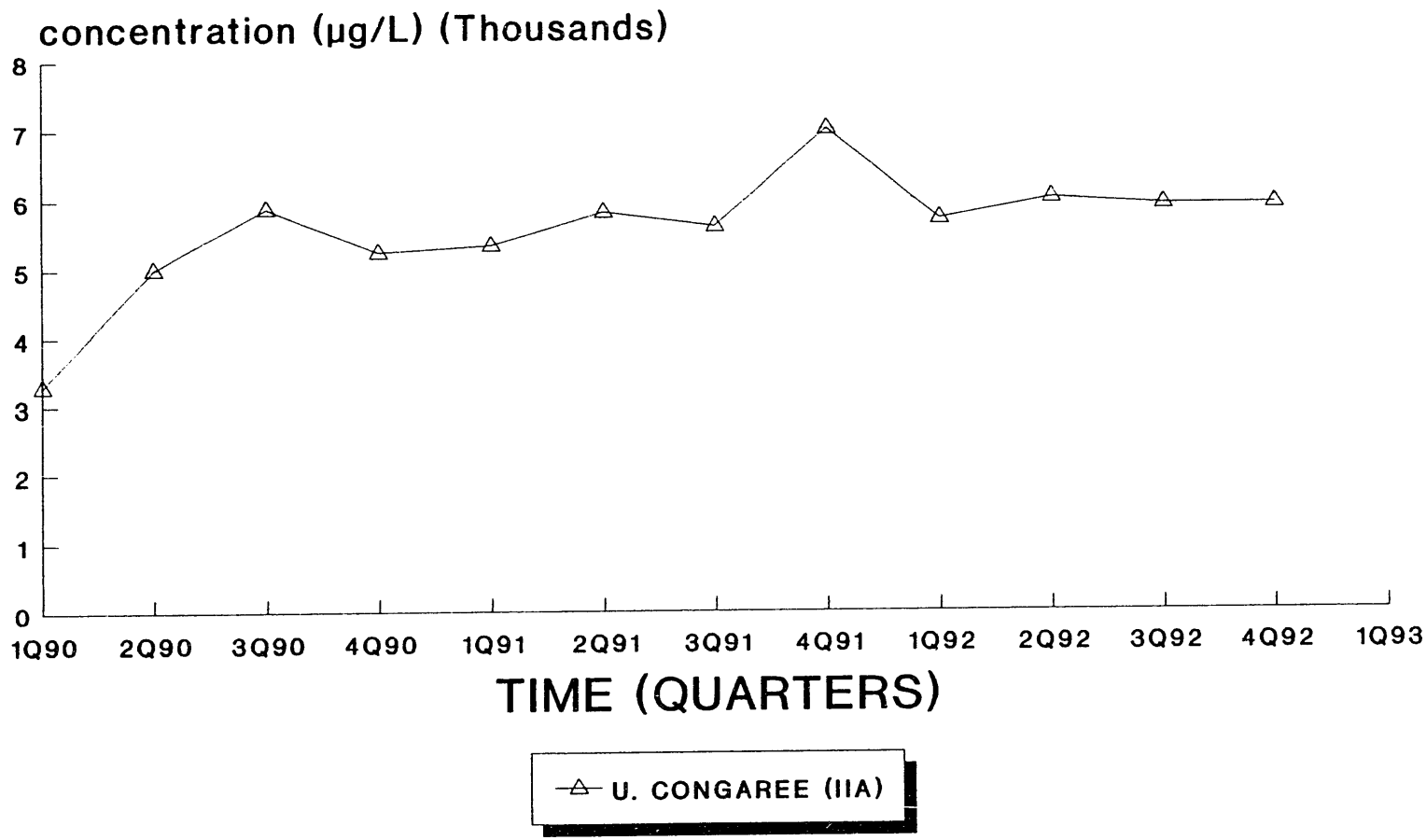
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

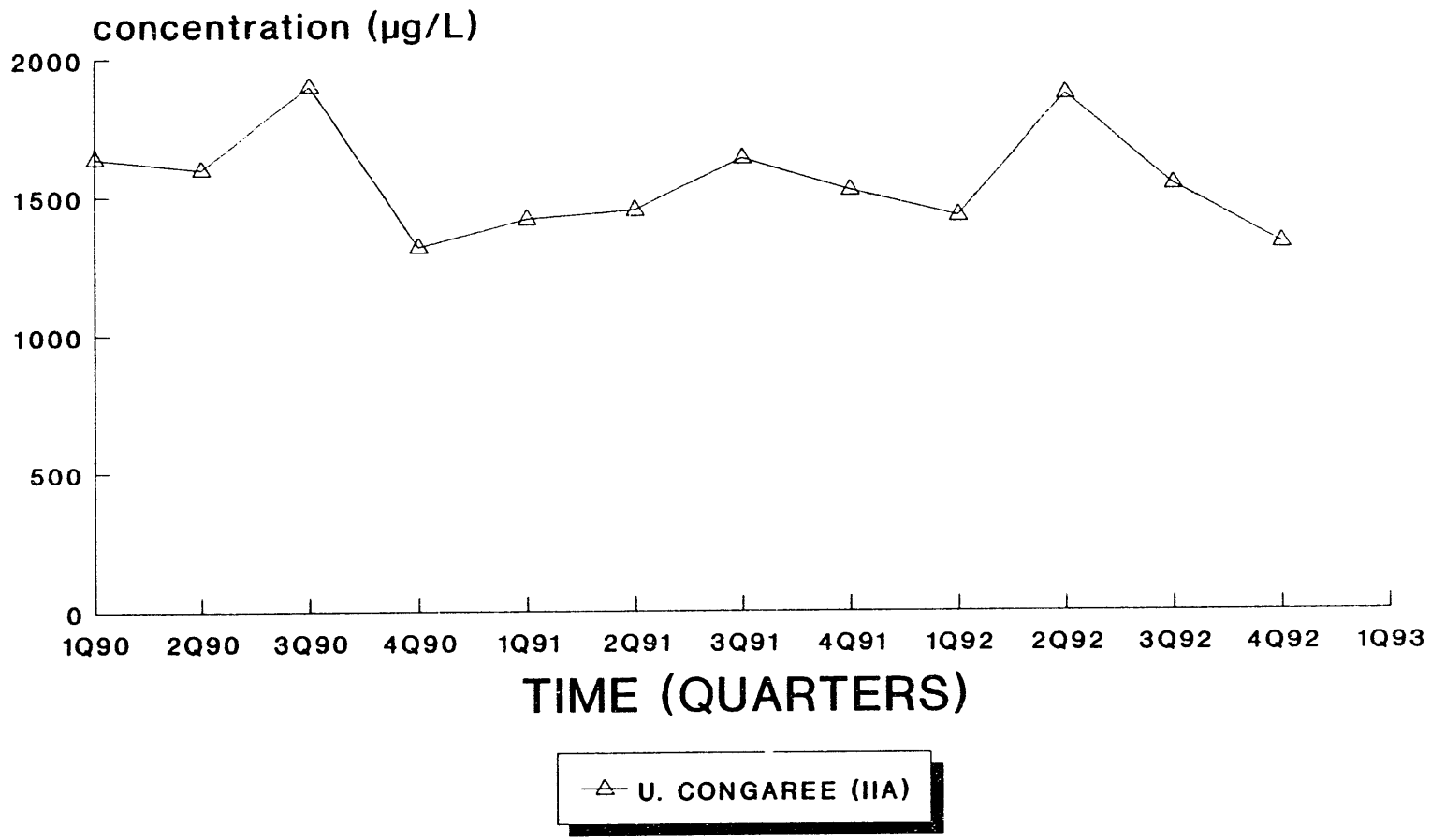
FSB100A

Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

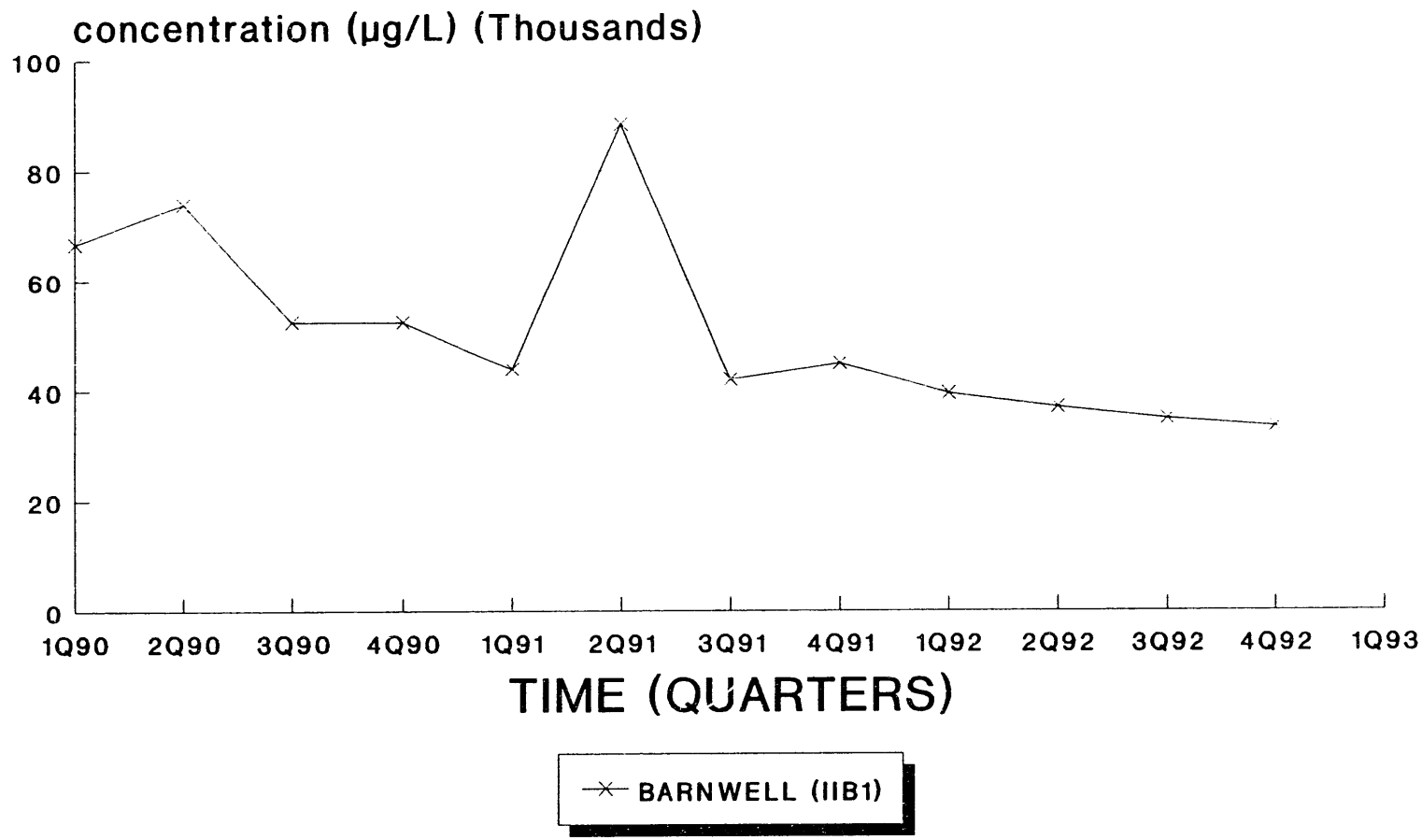
FSB101A
Nitrate-Nitrite as Nitrogen



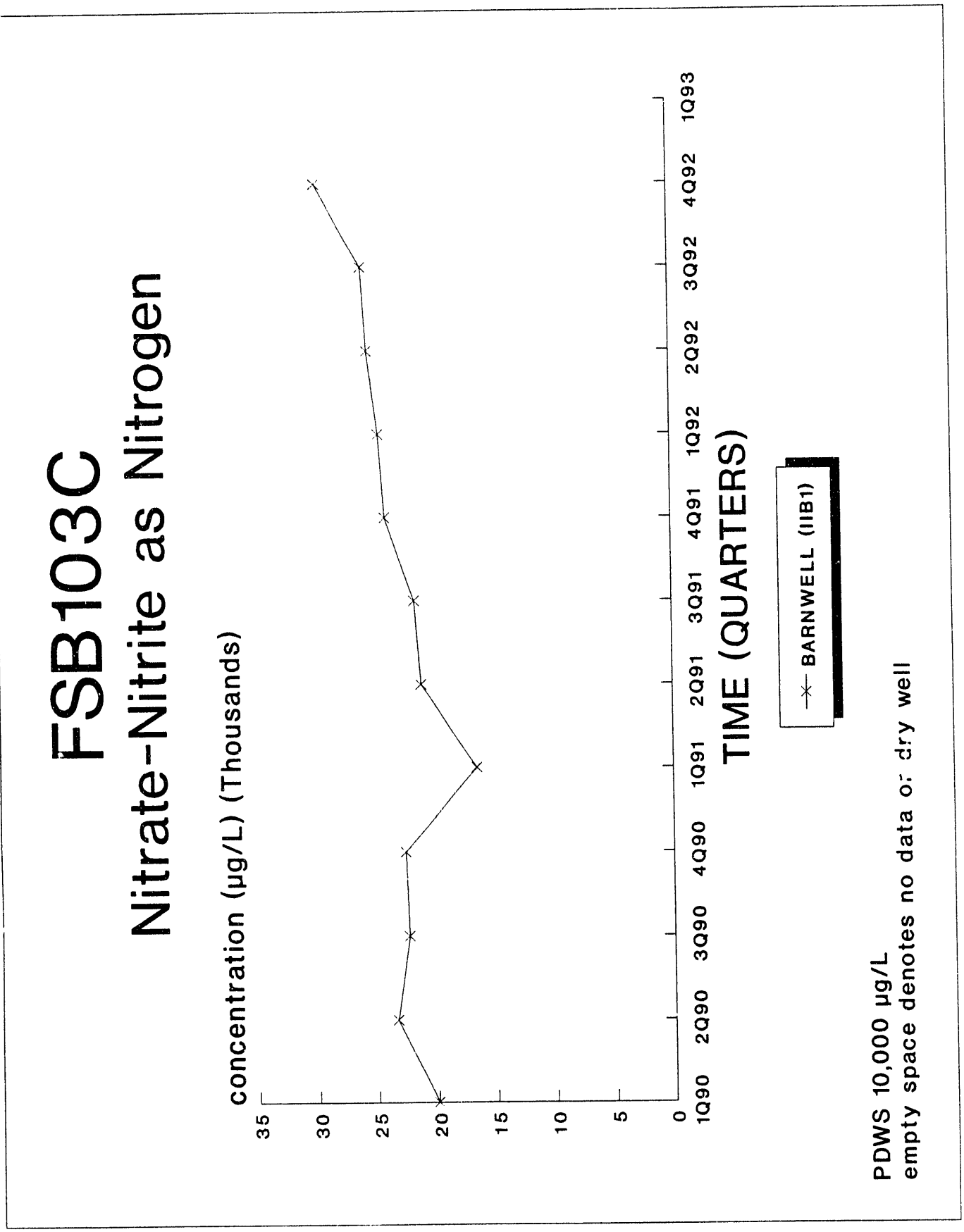
PDWS 10,000 µg/L
empty space denotes no data or dry well

FSB102C

Nitrate-Nitrite as Nitrogen

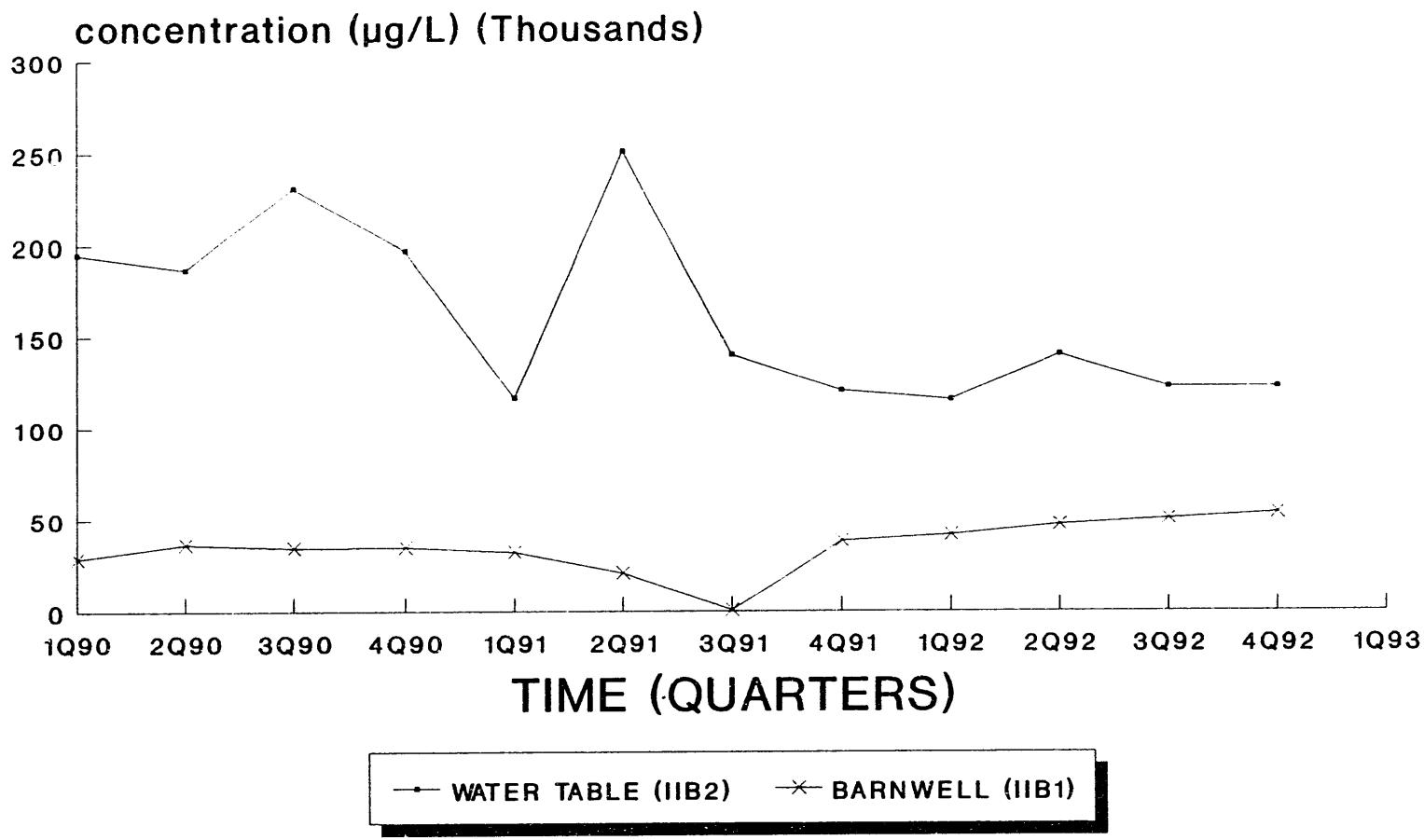


PDWS 10,000 µg/L
empty space denotes no data or dry well


FSB103C
Nitrate-Nitrite as Nitrogen
concentration (µg/L) (Thousands)
35
30
25
20
15
10
5
0
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
BARNWELL (IIB1)
PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB104

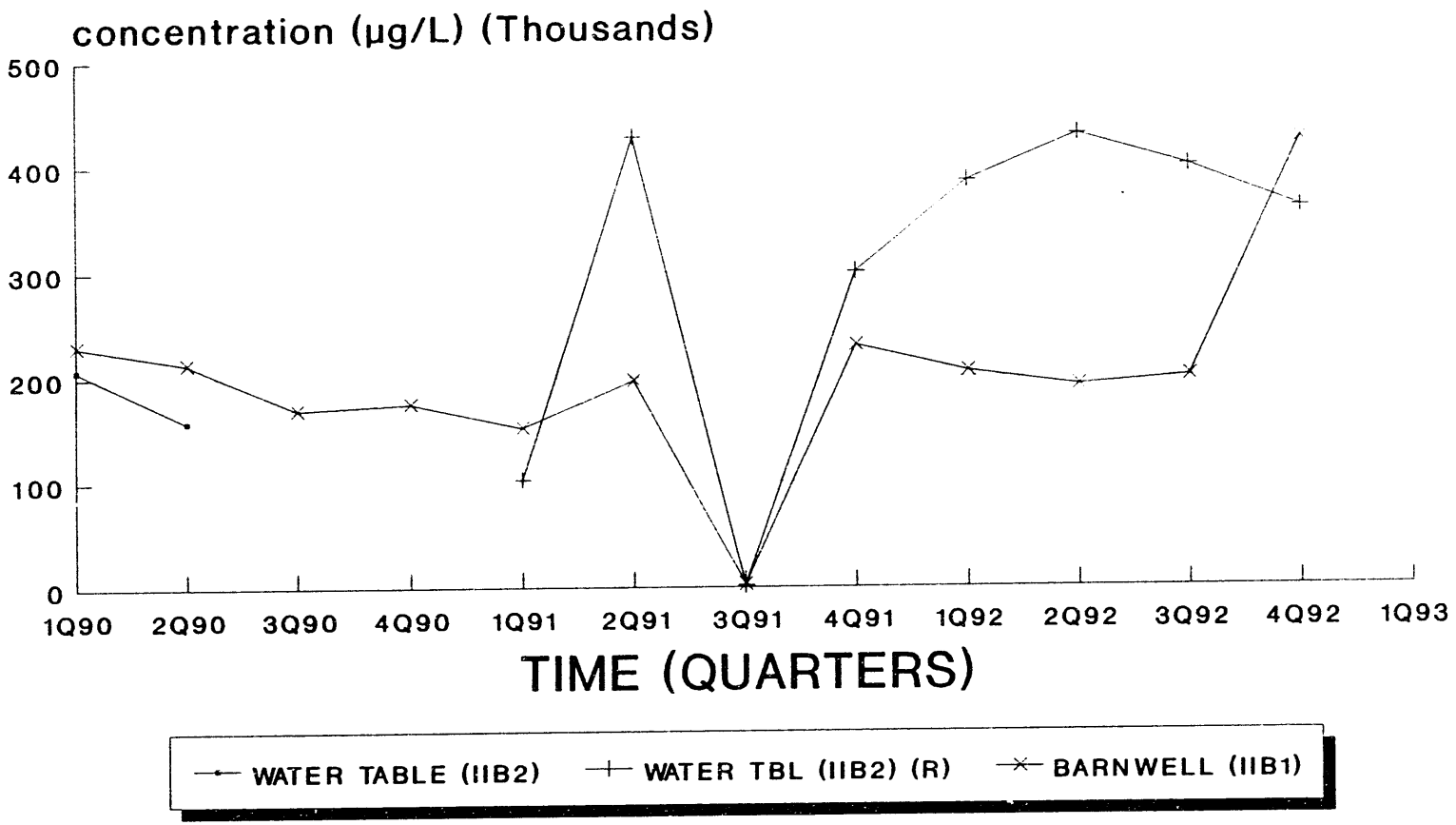
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB105

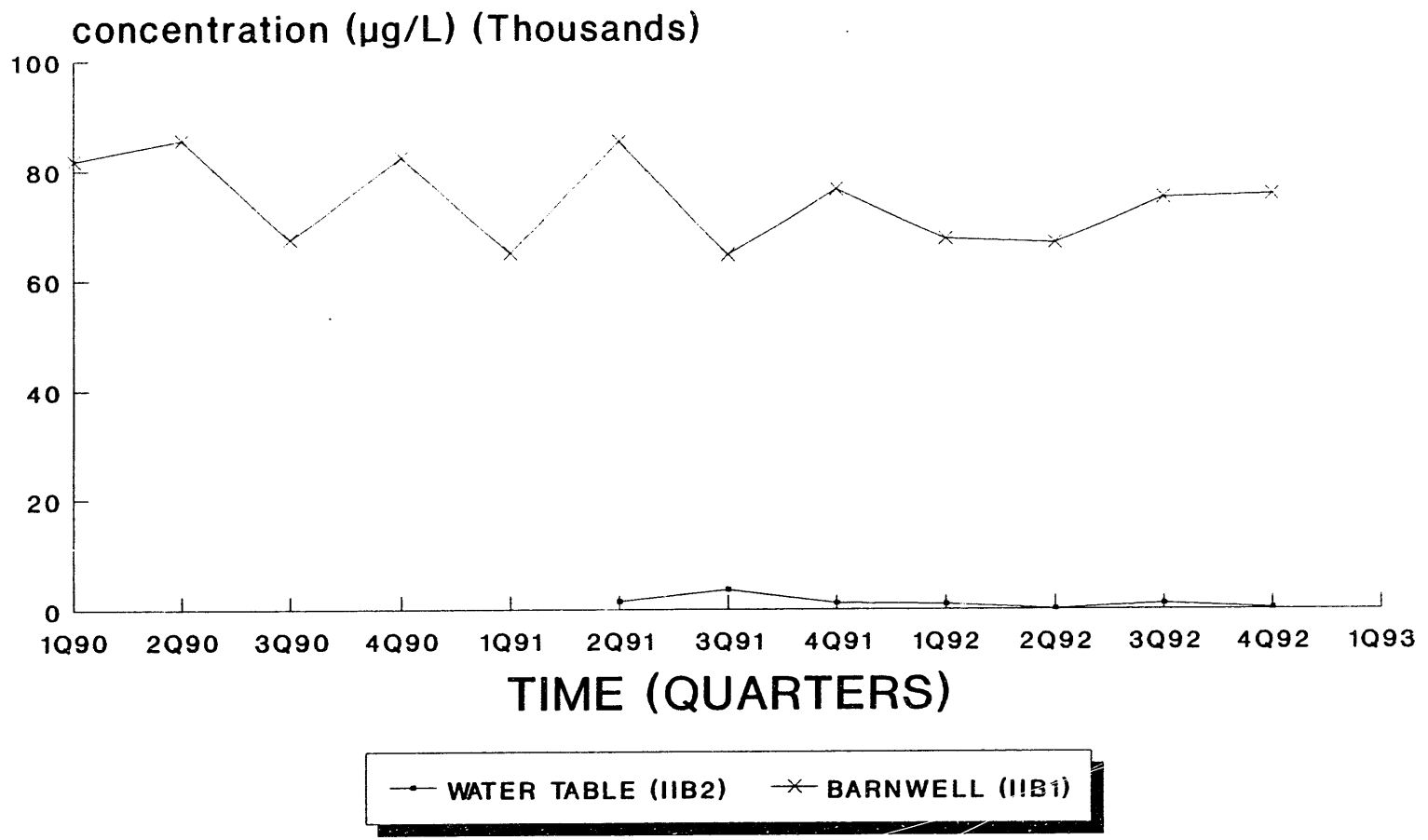
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - FSB106

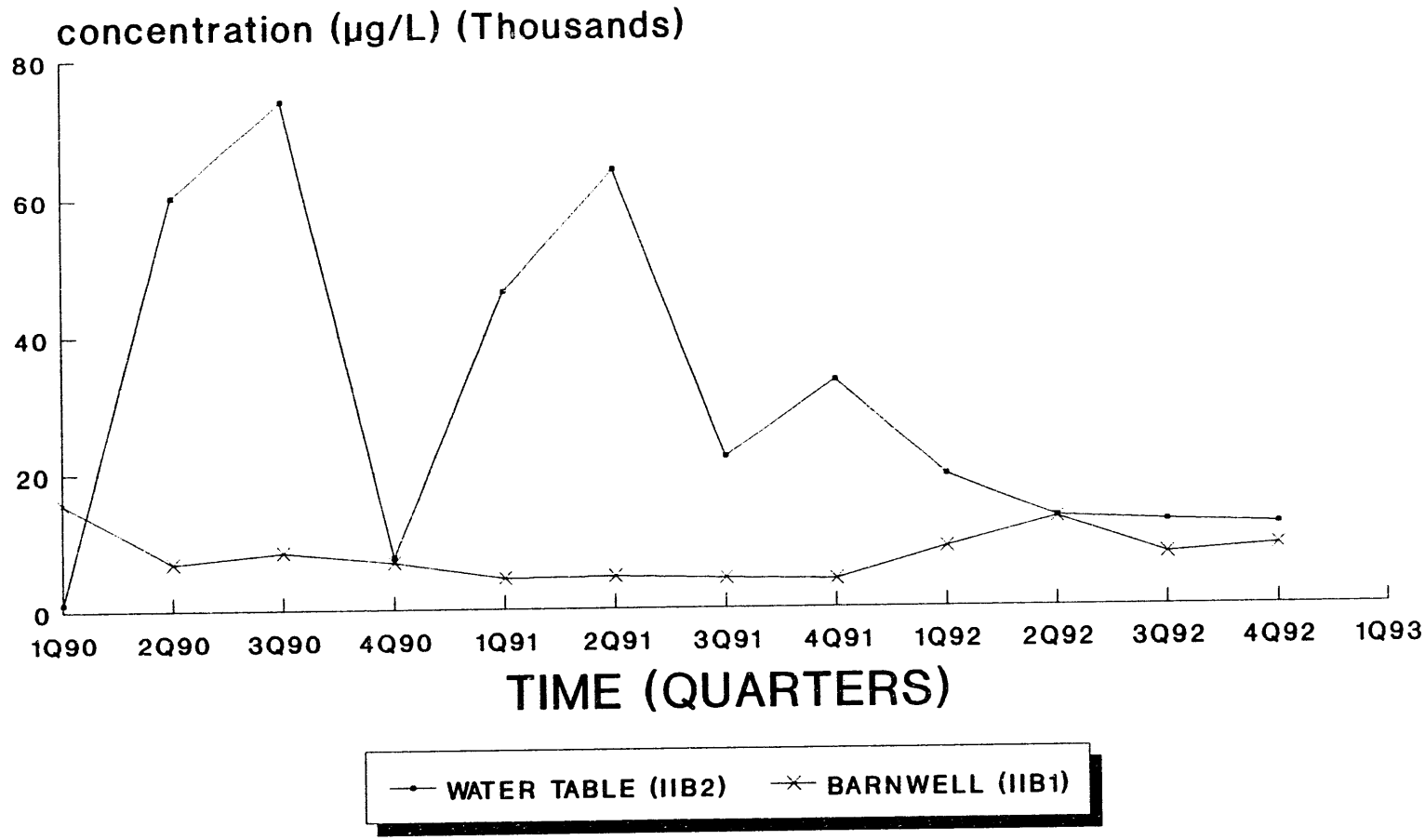
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB107

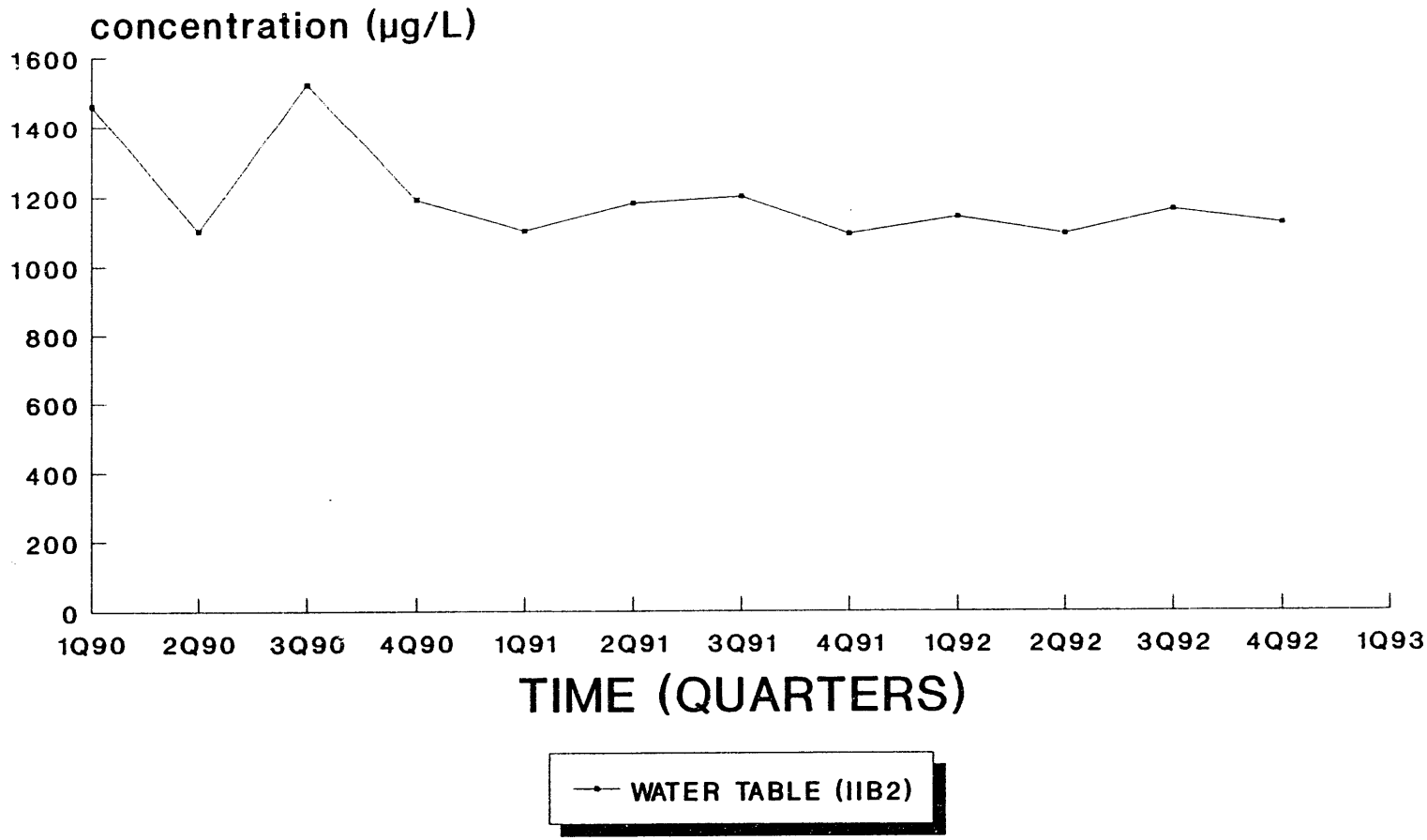
Nitrate-Nitrite as Nitrogen



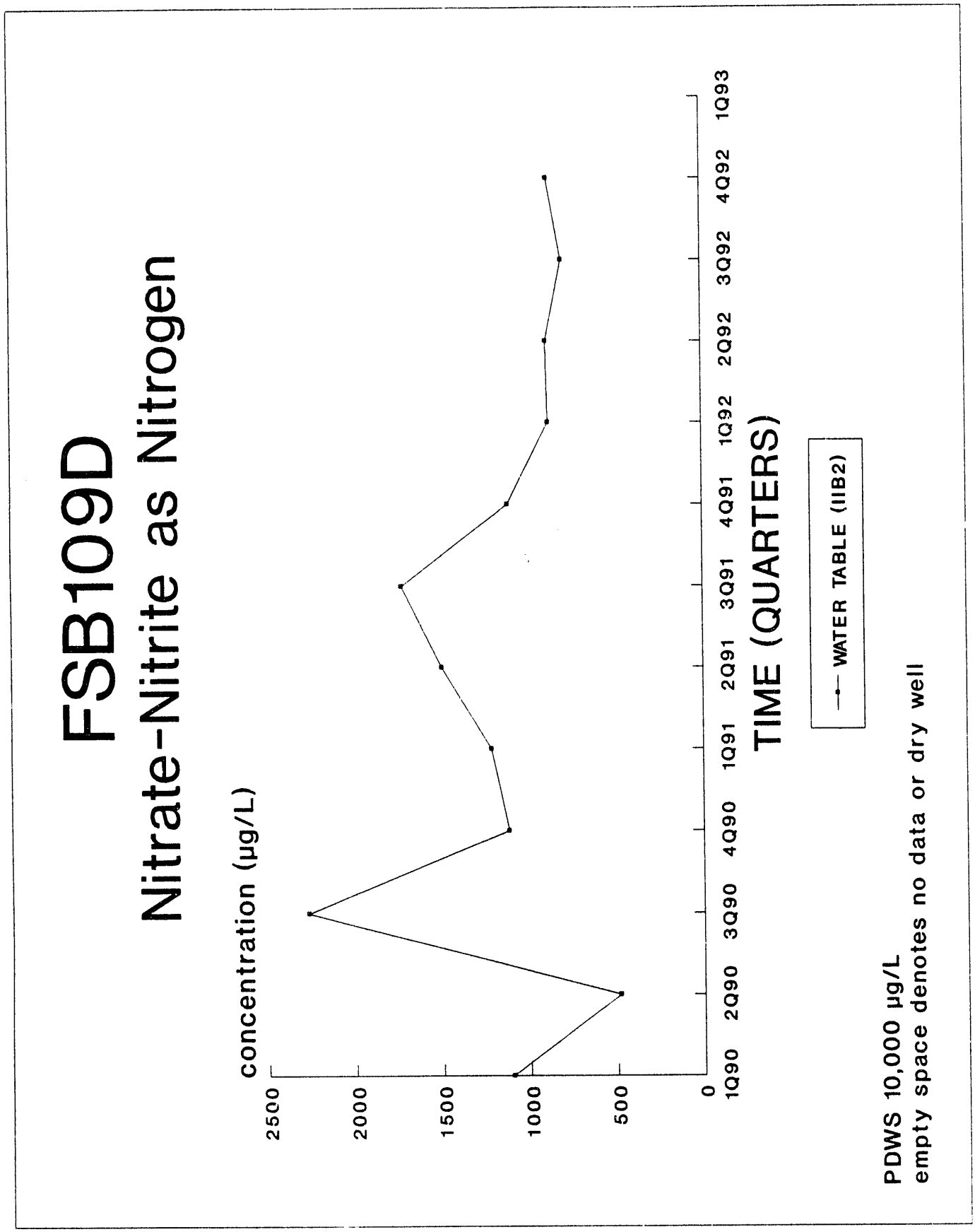
PDWS 10,000 µg/L
empty space denotes no data or dry well

FSB108D

Nitrate-Nitrite as Nitrogen

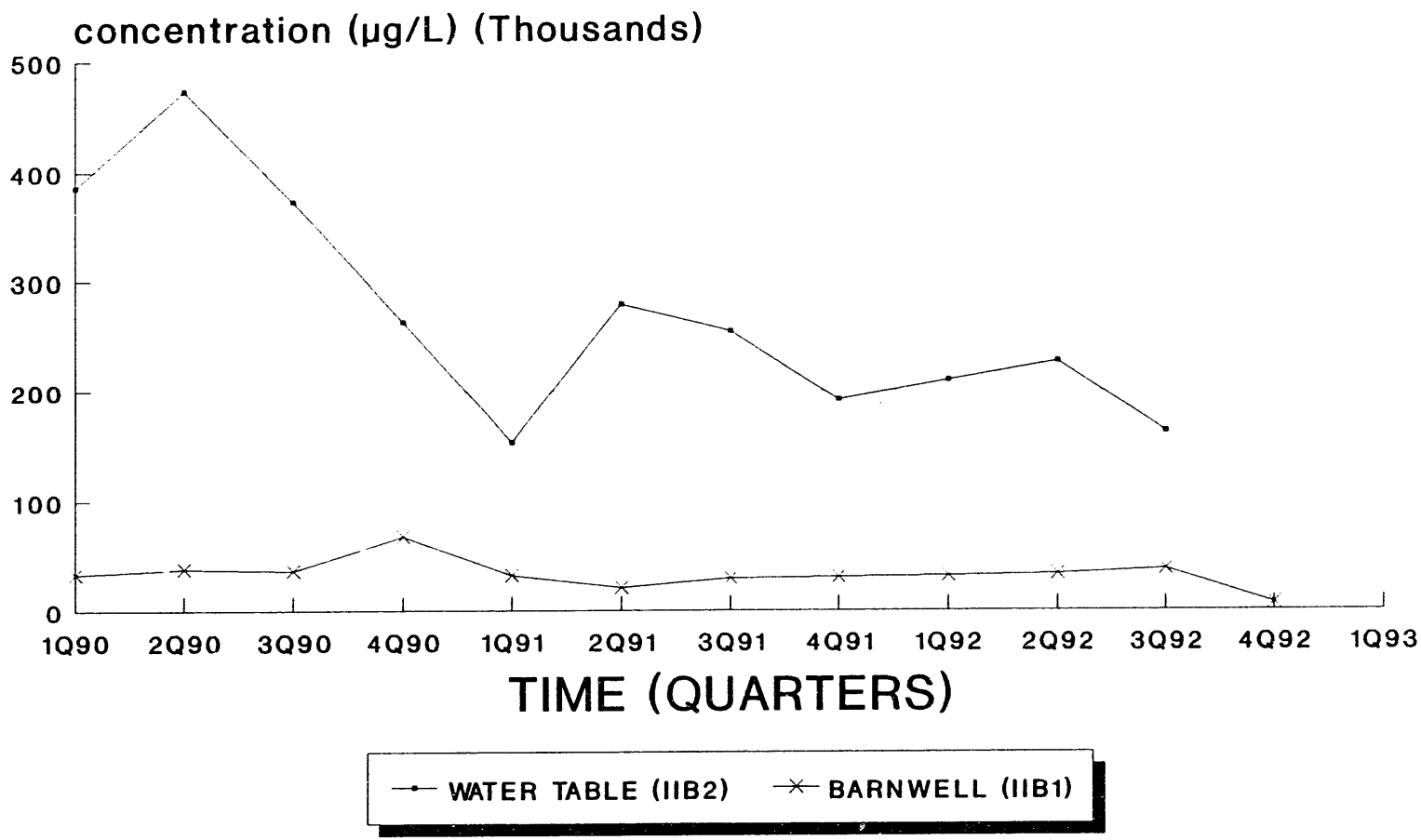


PDWS 10,000 µg/L
empty space denotes no data or dry well


FSB109D
Nitrate-Nitrite as Nitrogen
concentration (µg/L)
2500
2000
1500
1000
500
0
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB110

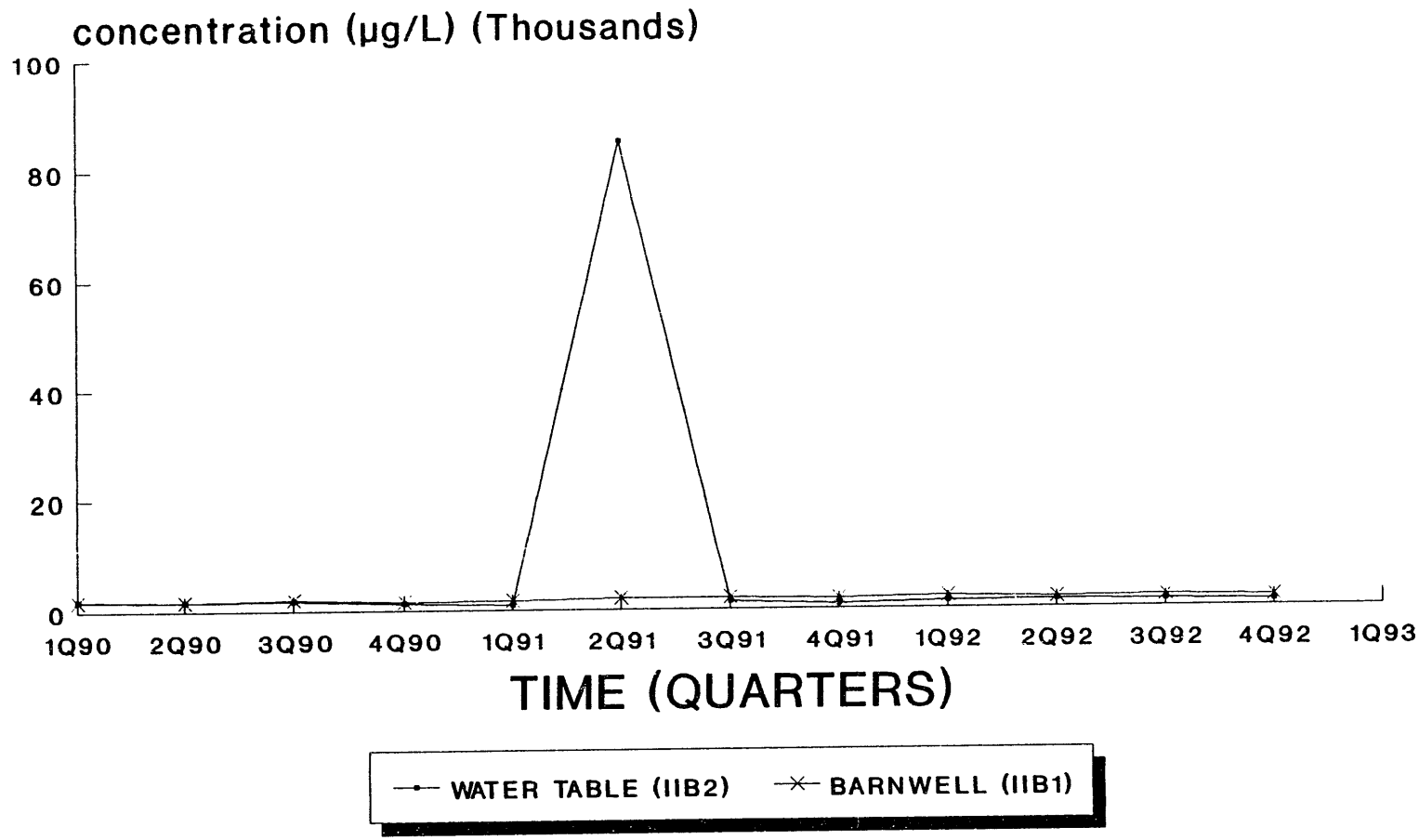
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB111

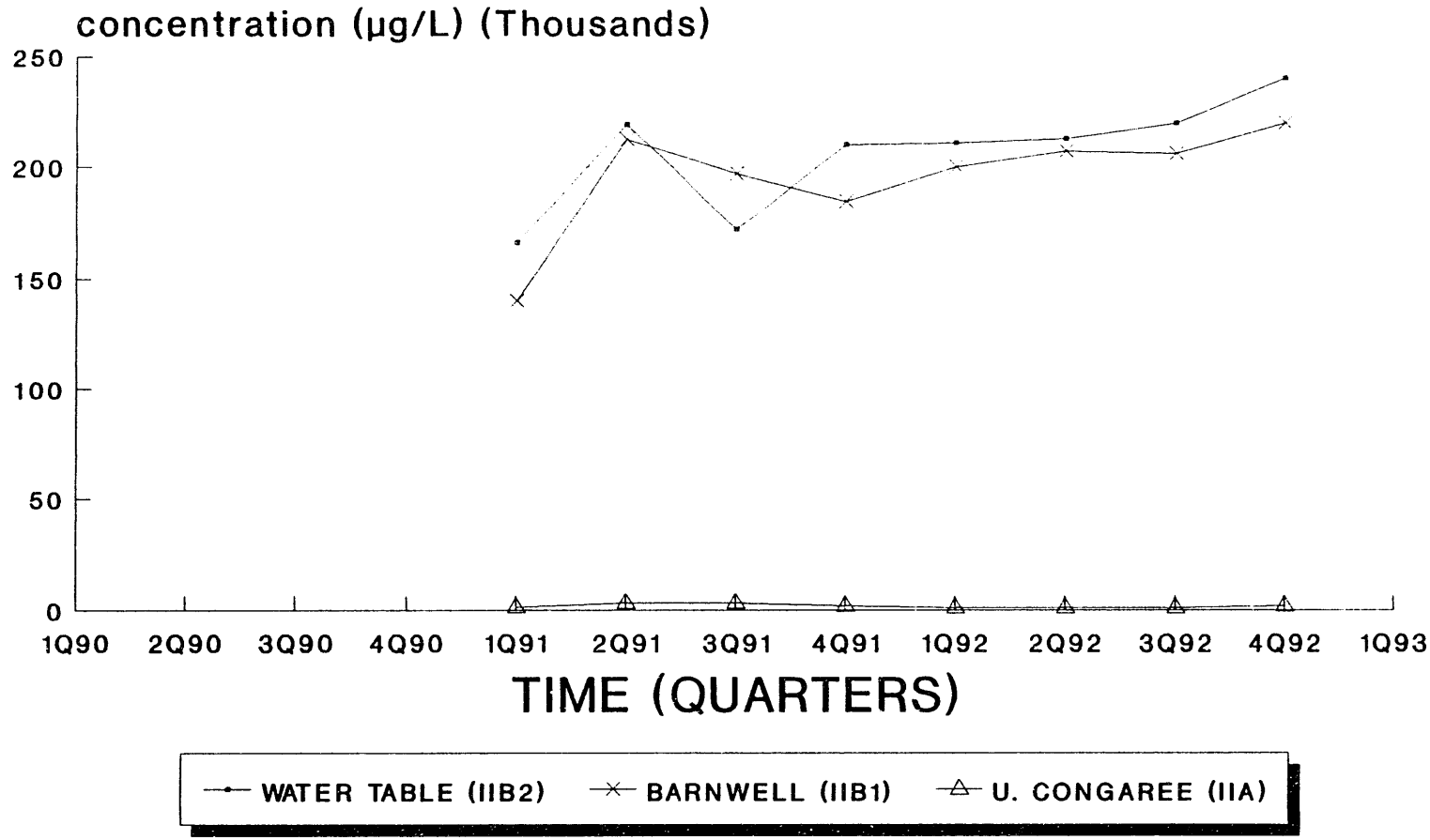
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB112

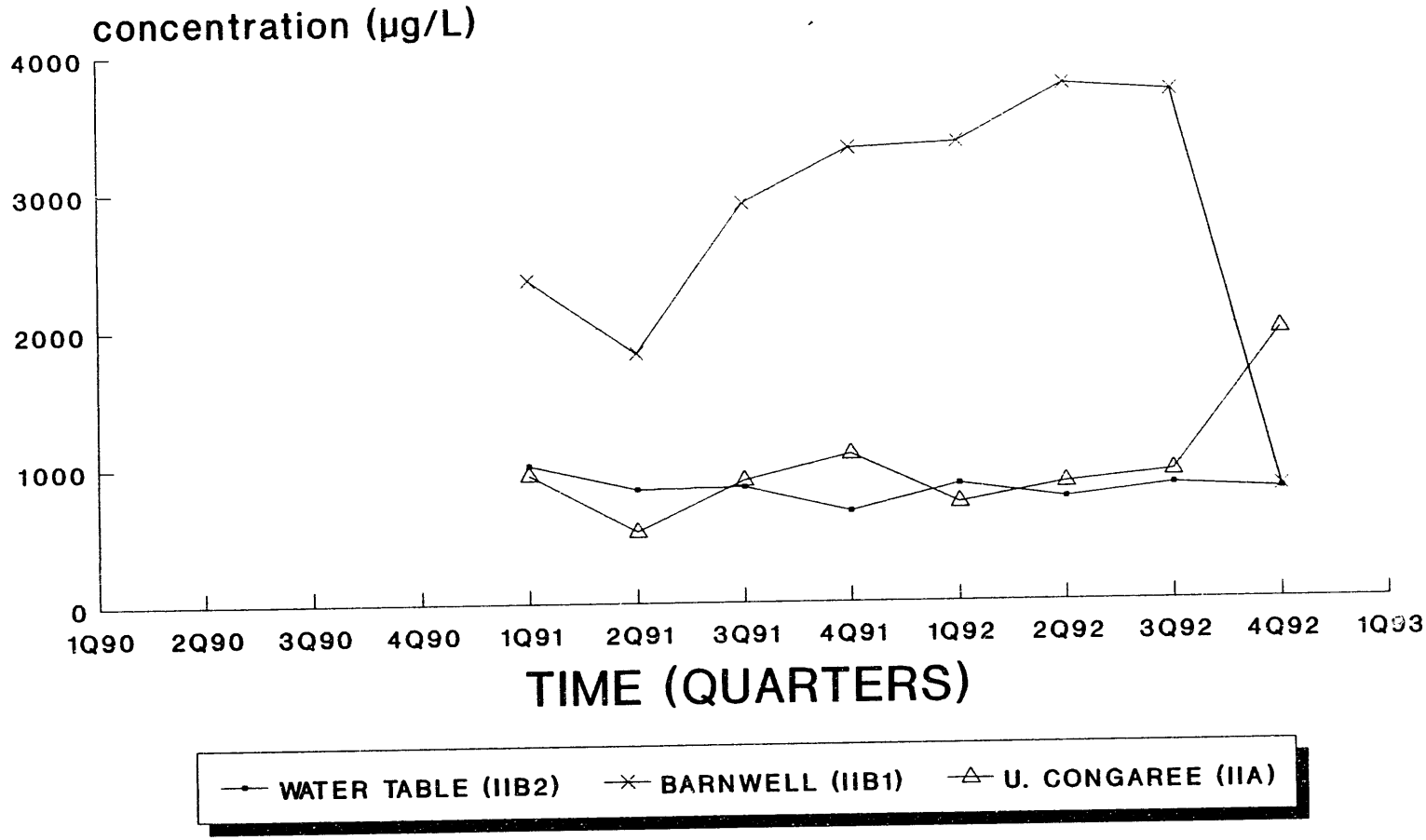
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB113

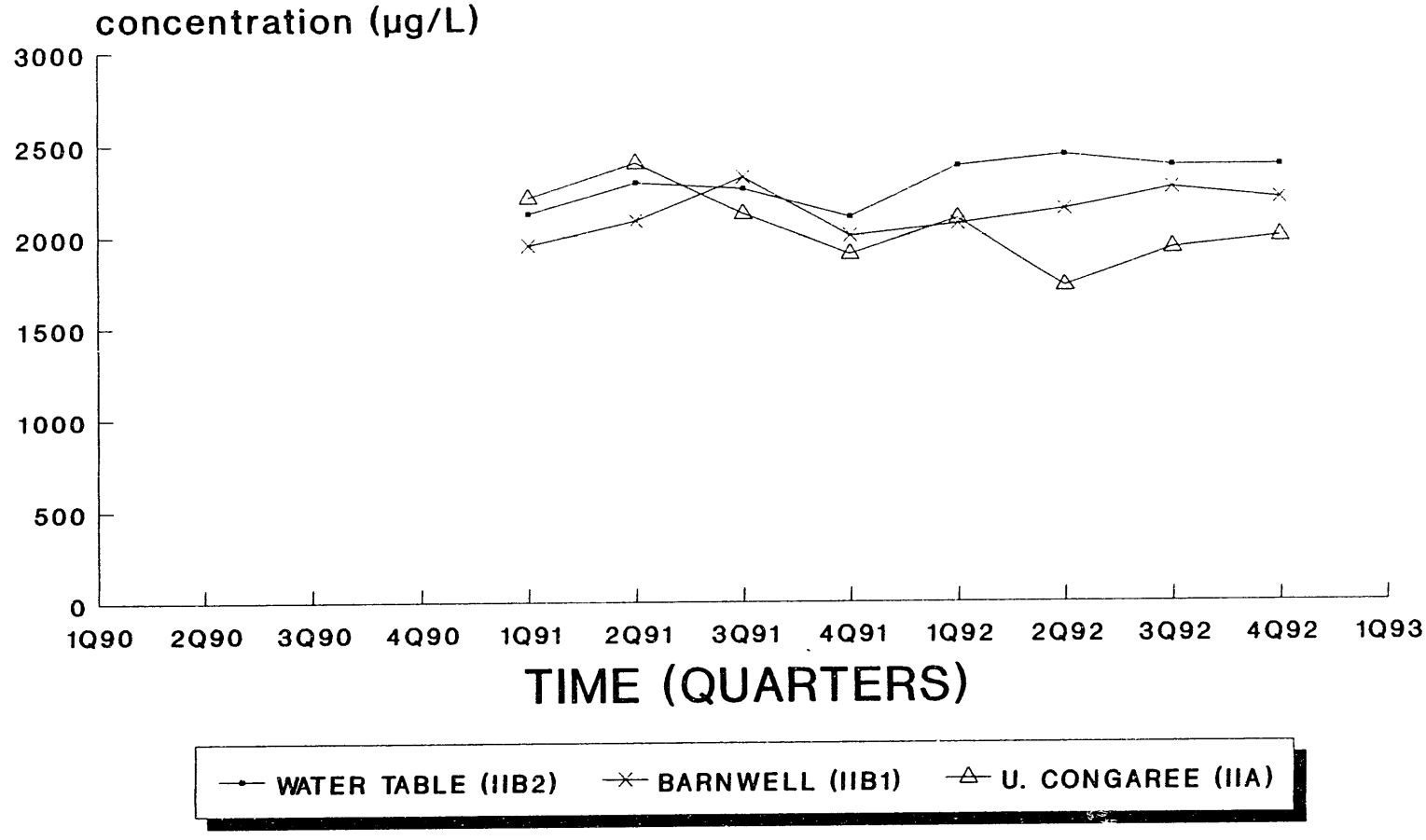
Nitrate-Nitrite as Nitrogen



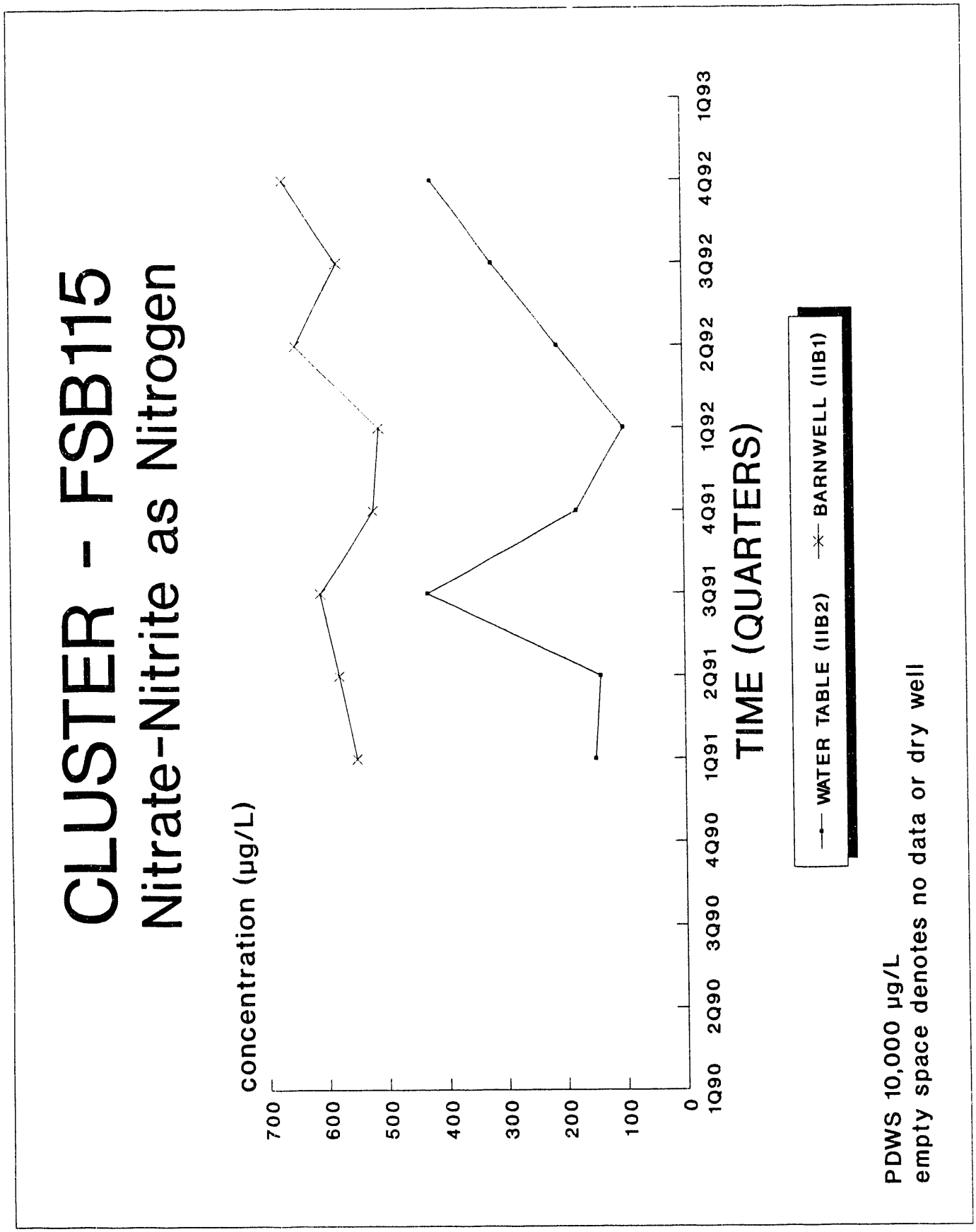
PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB114

Nitrate-Nitrite as Nitrogen

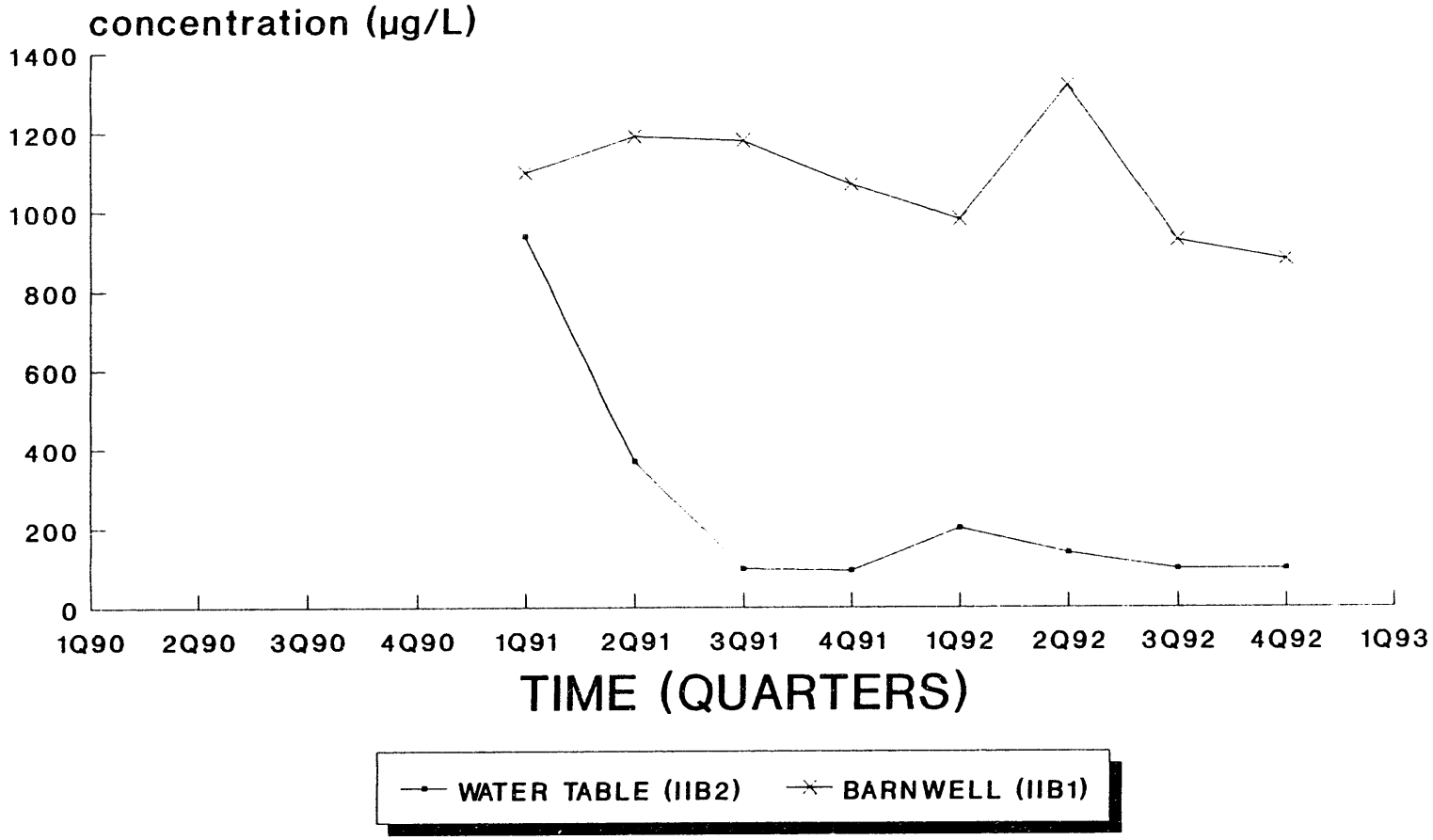


PDWS 10,000 µg/L
empty space denotes no data or dry well


CLUSTER - FSB115
Nitrate-Nitrite as Nitrogen
concentration (µg/L)
700
600
500
400
300
200
100
0
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
PDWS 10,000 µg/L
empty space denotes no data or dry well

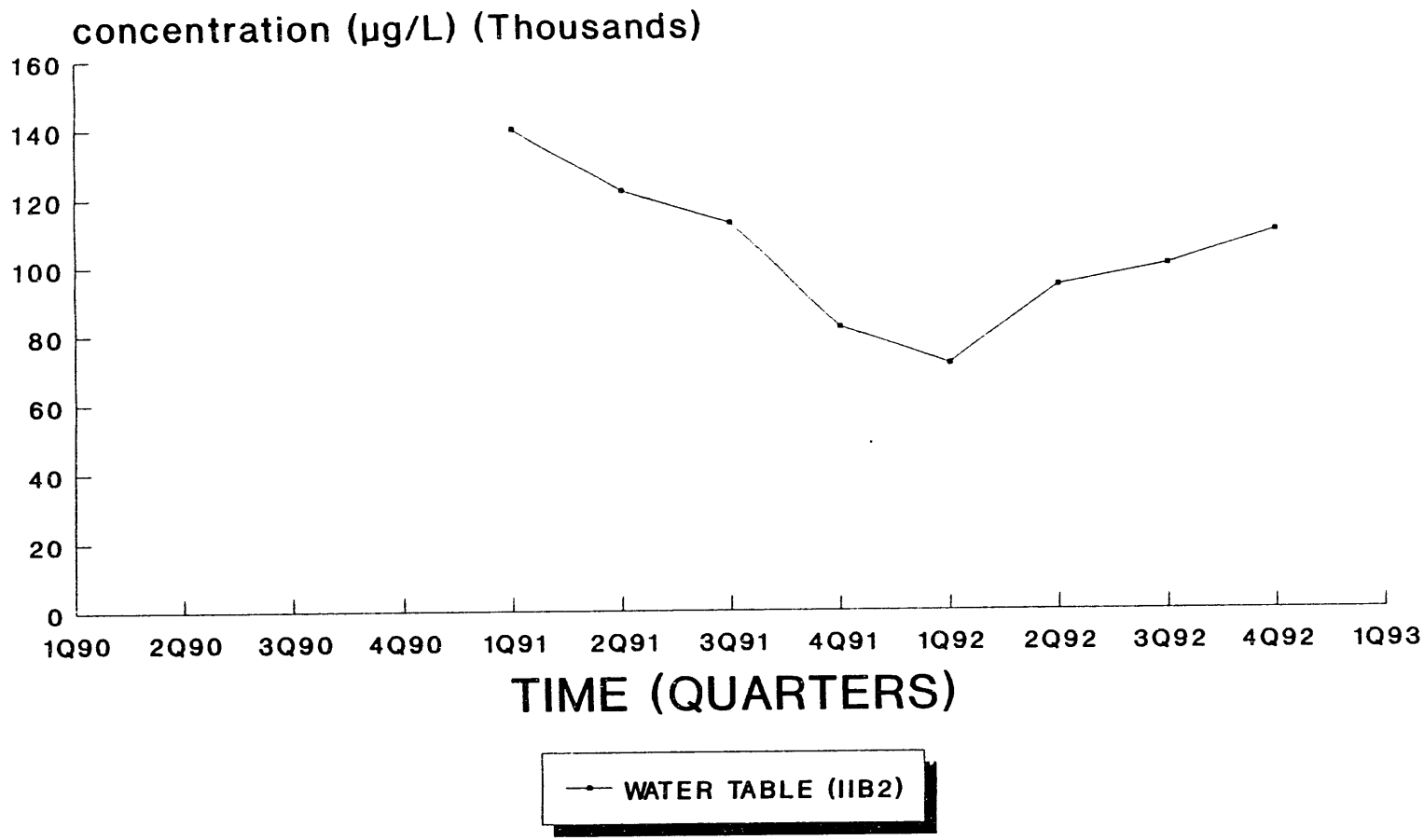
CLUSTER - FSB116

Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

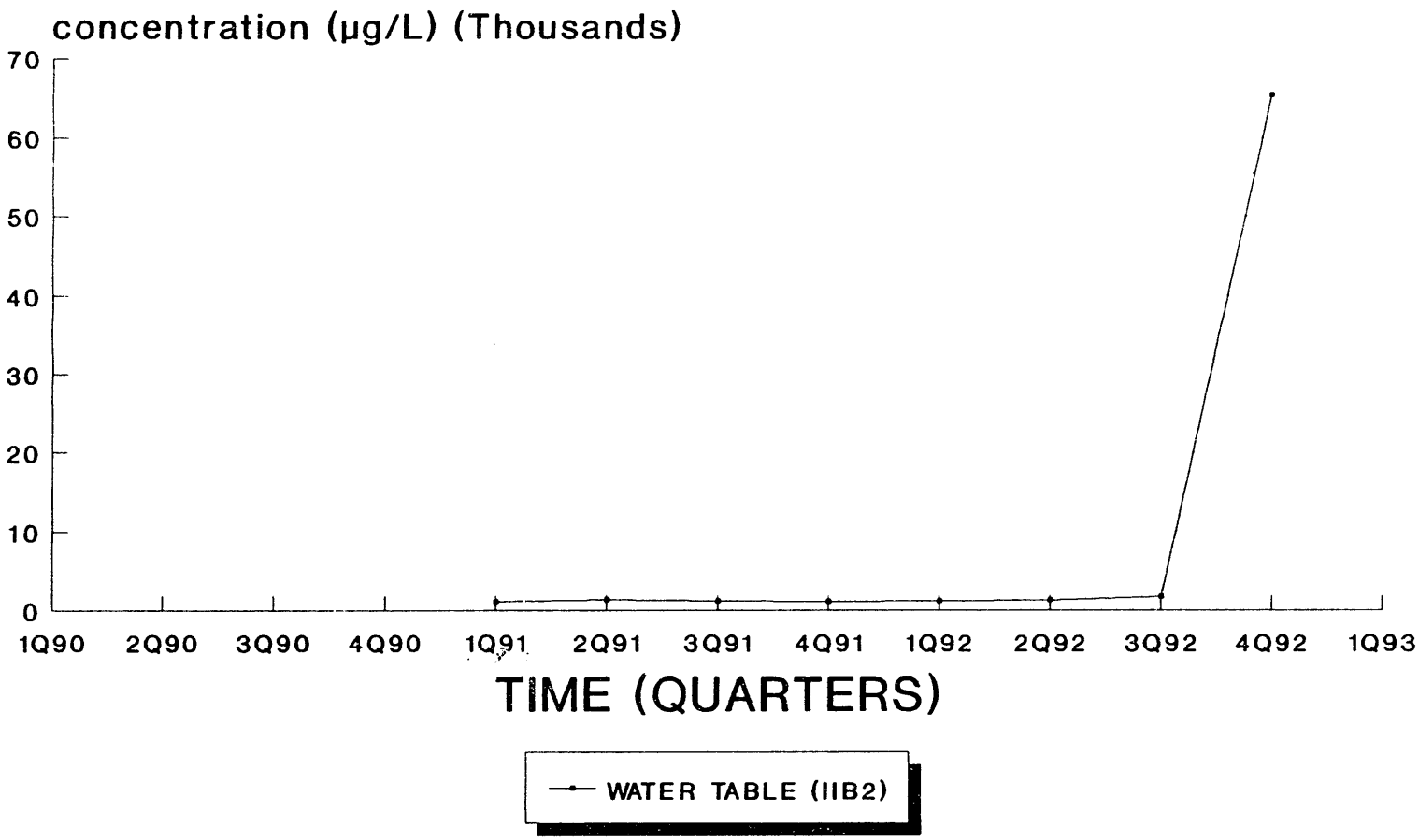
FSB117D
Nitrate-Nitrite as Nitrogen



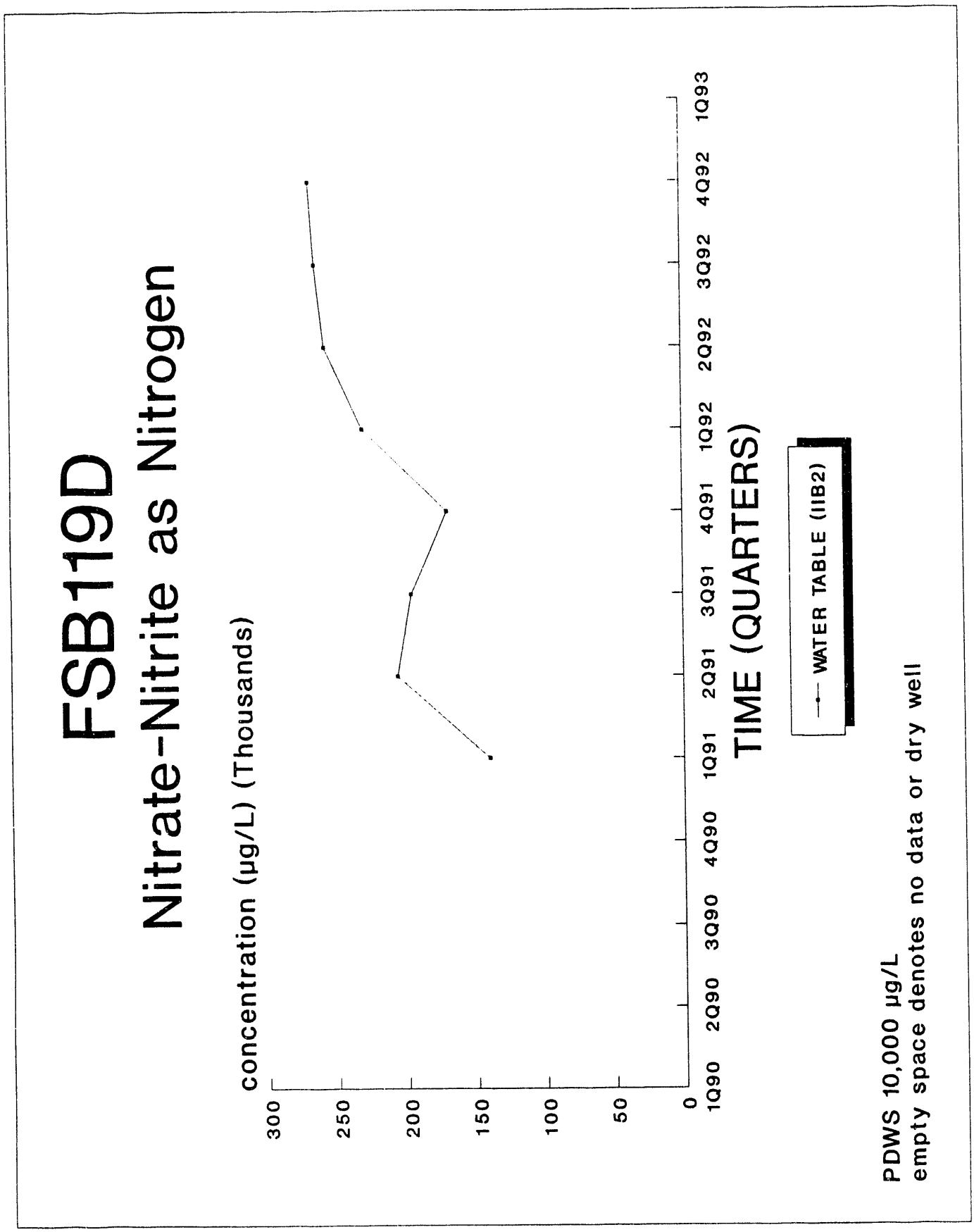
PDWS 10,000 µg/L
empty space denotes no data or dry well

FSB118D

Nitrate-Nitrite as Nitrogen

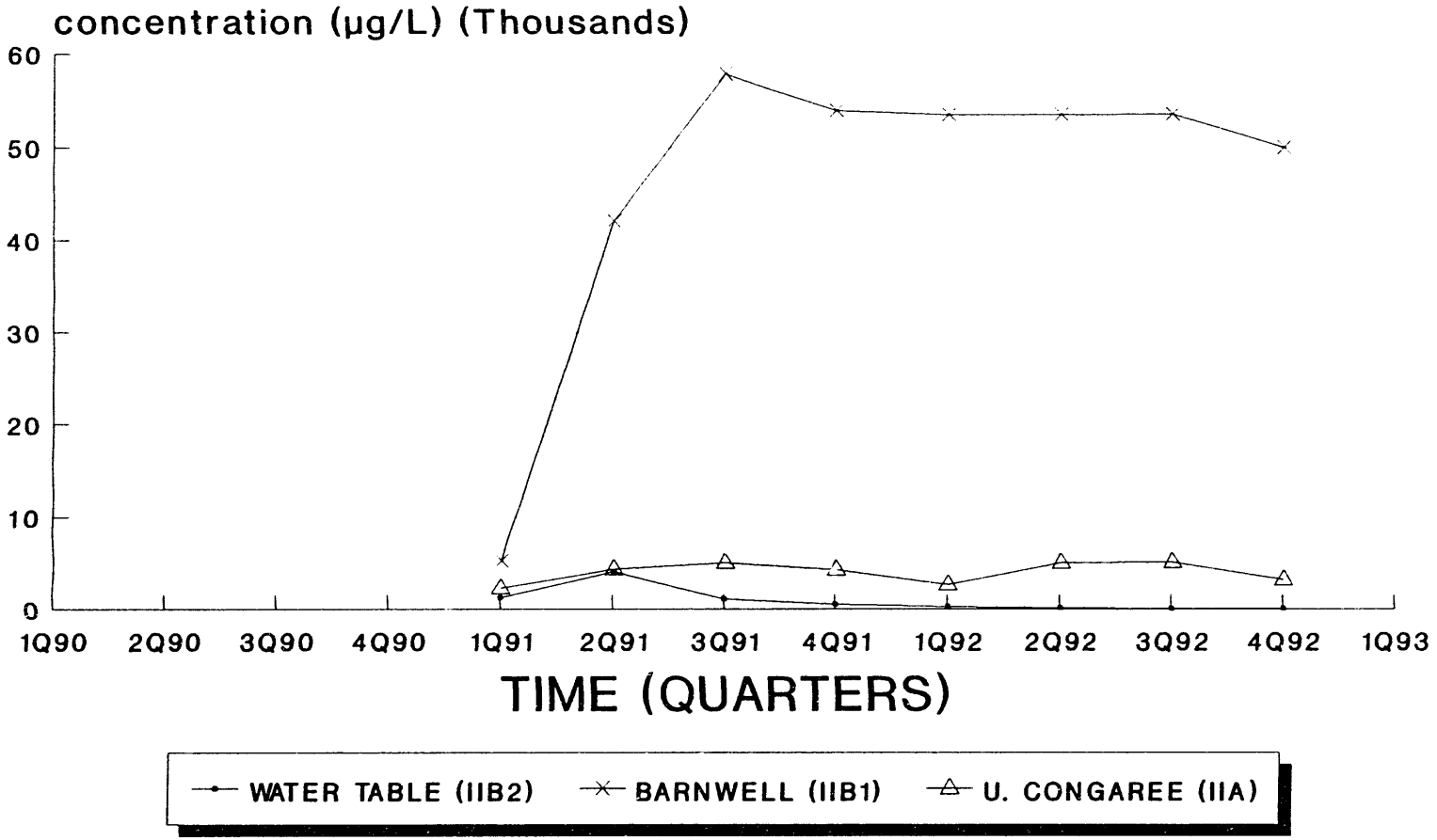


PDWS 10,000 µg/L
empty space denotes no data or dry well


FSB119D
Nitrate-Nitrite as Nitrogen
concentration (µg/L) (Thousands)
300
250
200
150
100
50
0
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (11B2)
PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB120

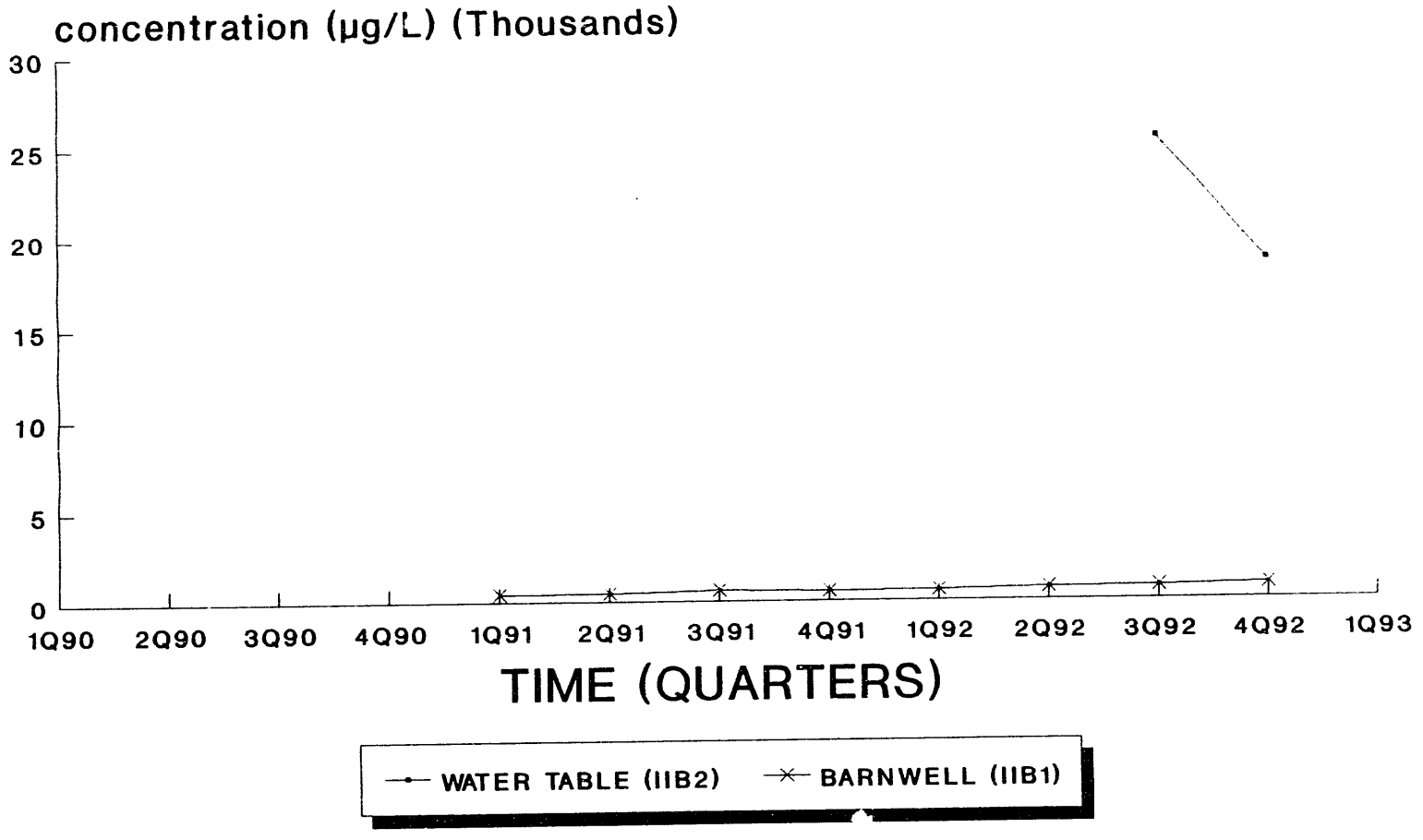
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB121

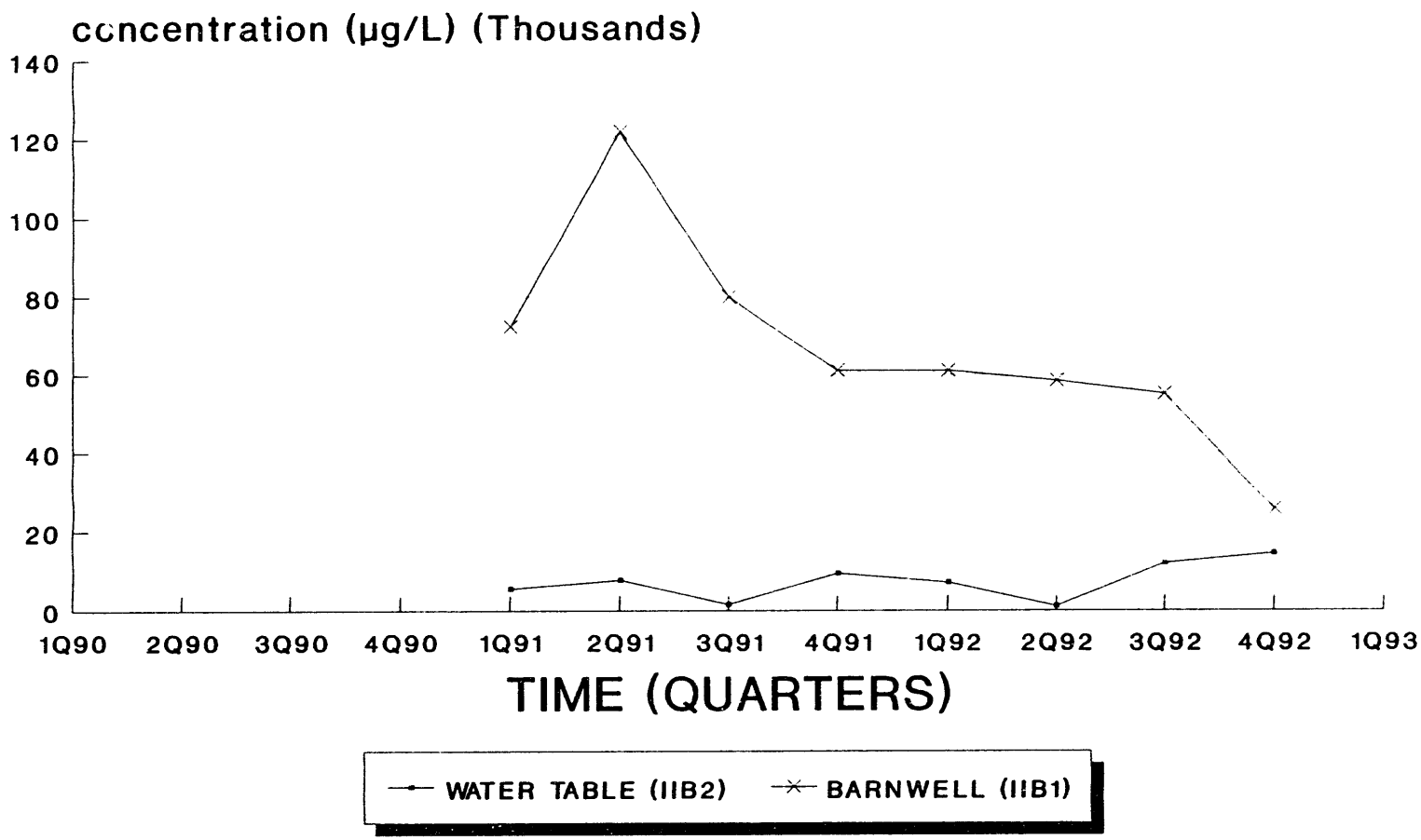
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB122

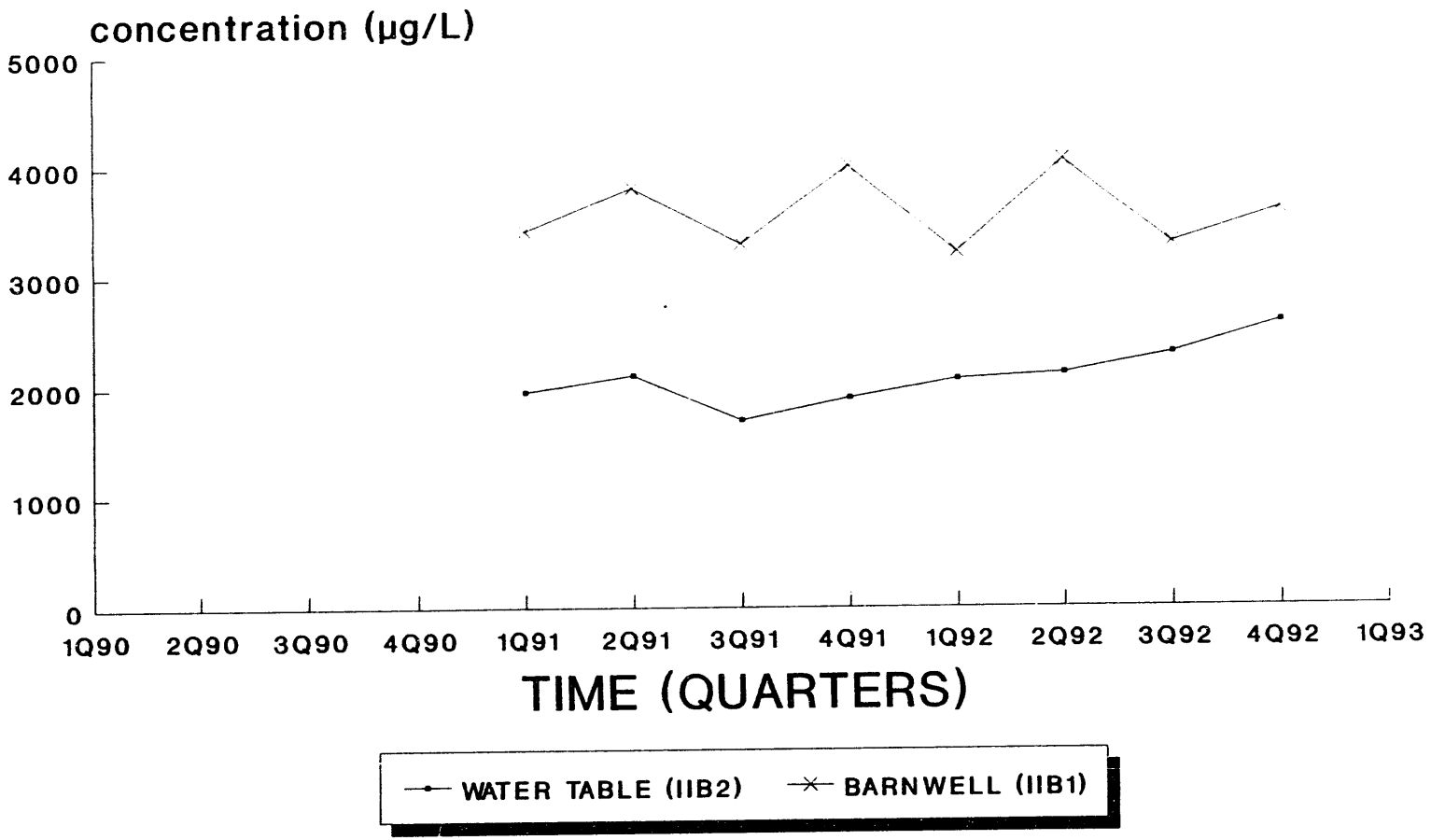
Nitrate-Nitrite as Nitrogen



PDWS 10,000 µg/L
empty space denotes no data or dry well

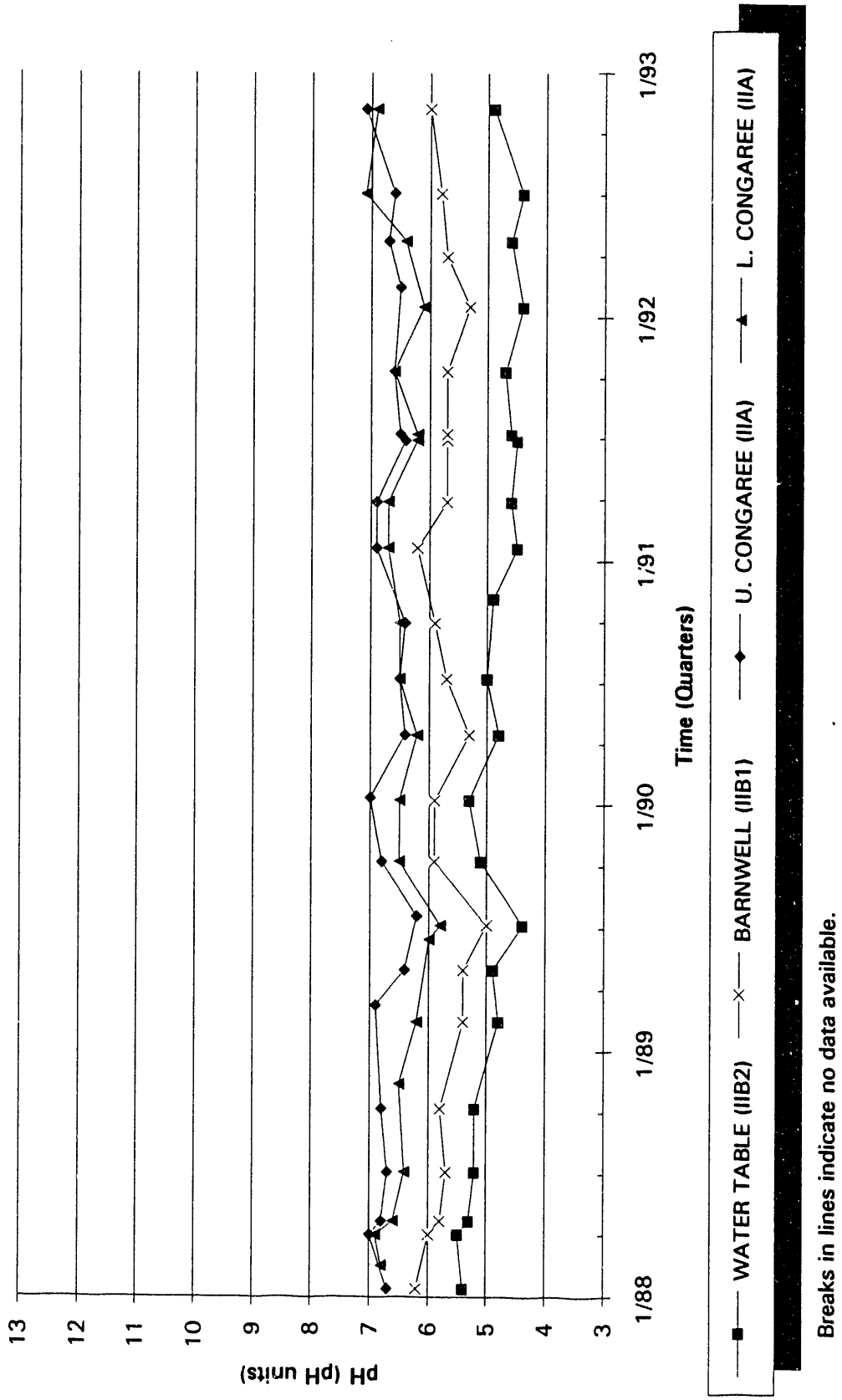
CLUSTER - FSB123

Nitrate-Nitrite as Nitrogen



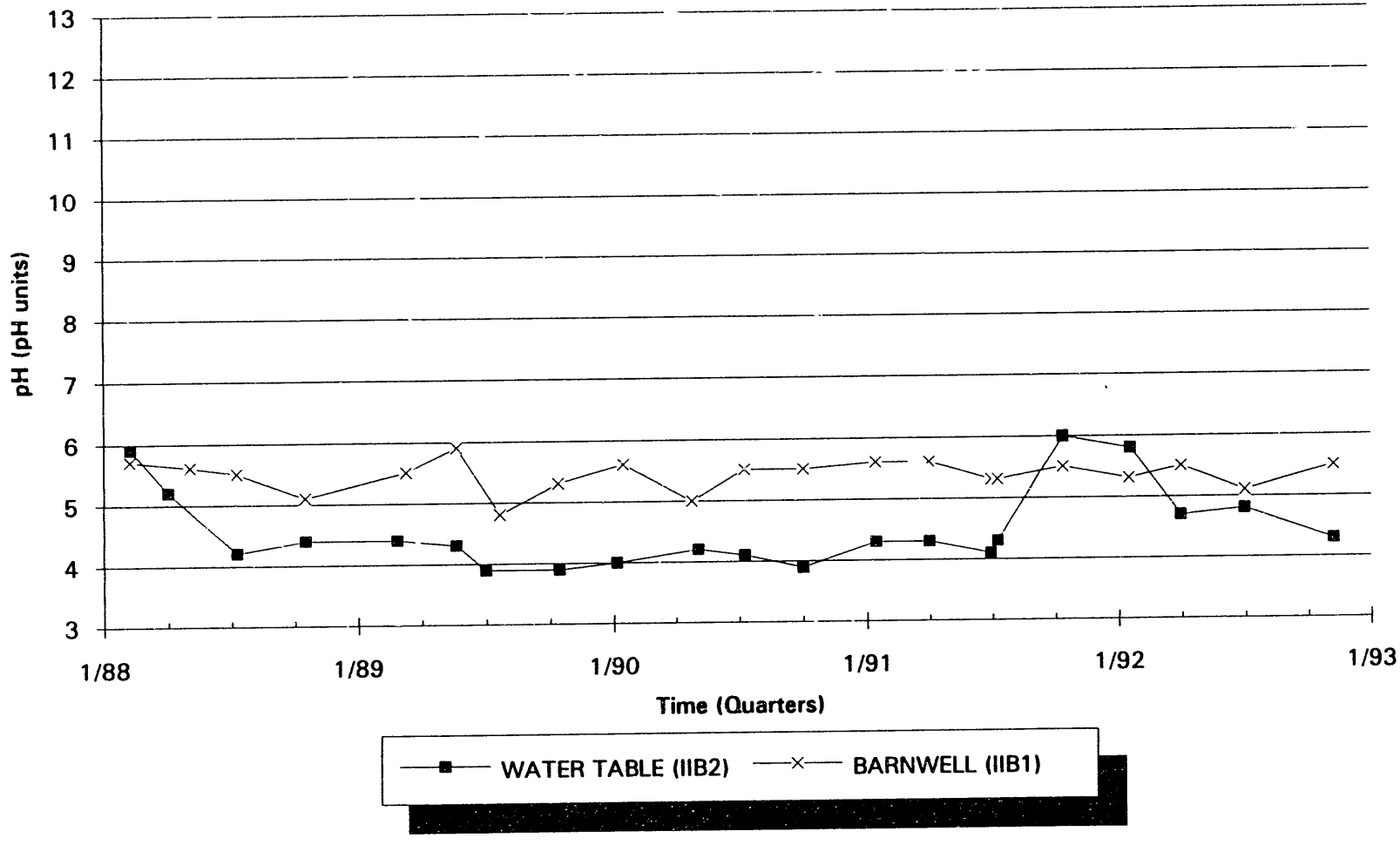
PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - FSB 76
pH



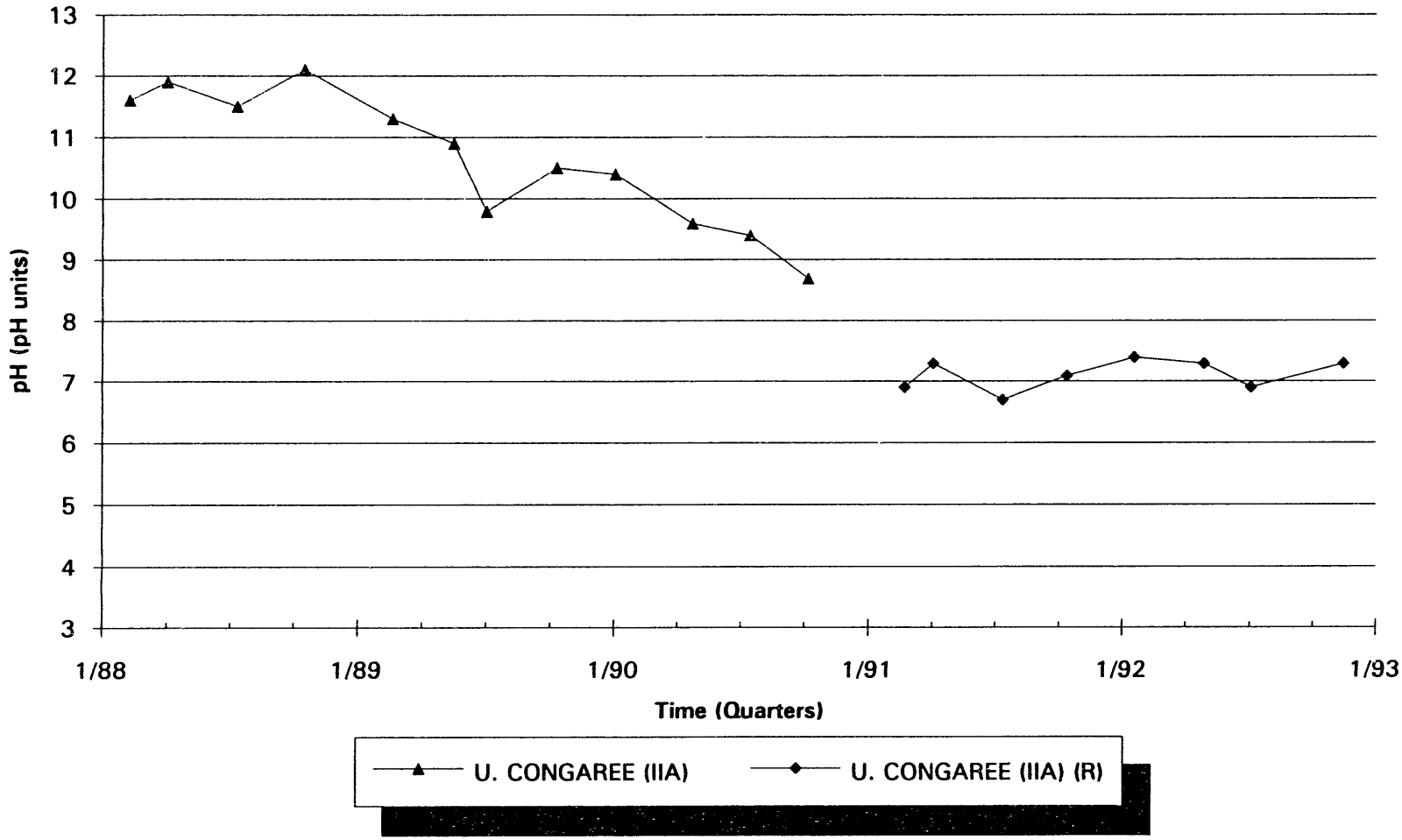
Breaks in lines indicate no data available.

CLUSTER - FSB 88
pH



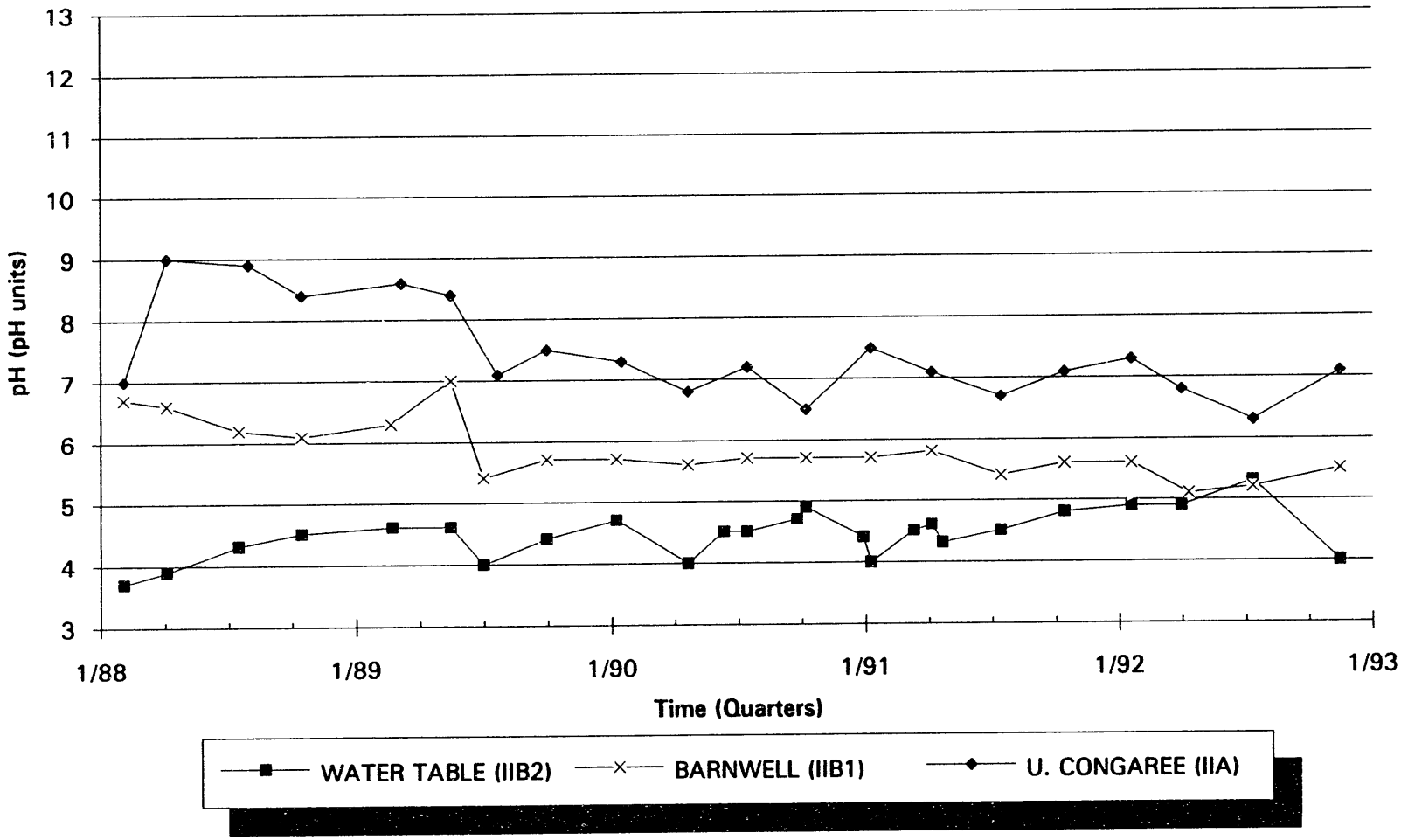
Breaks in lines indicate no data available.

FSB 96
pH



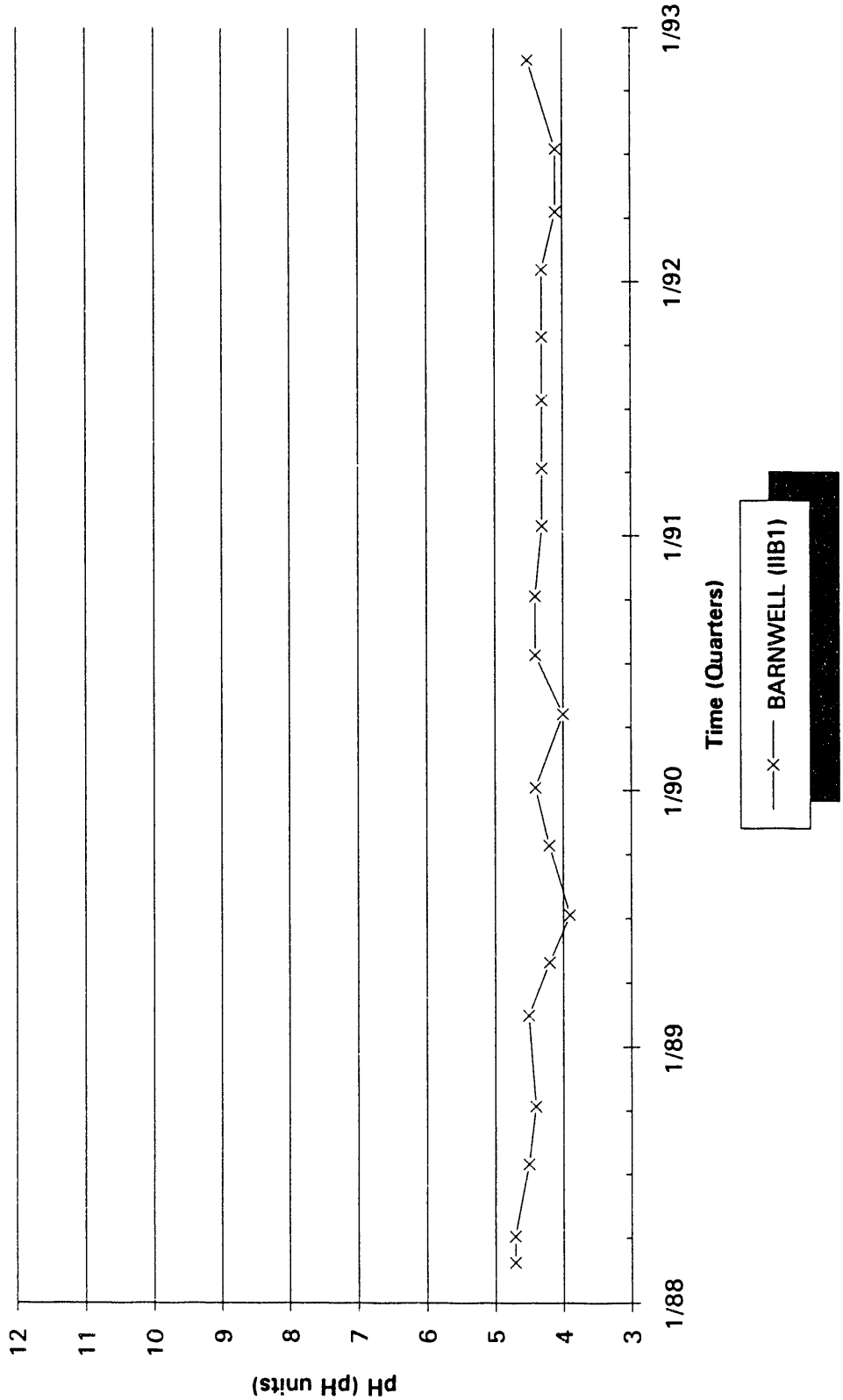
Breaks in lines indicate no data available; R denotes replacement well.

CLUSTER - FSB 99
pH



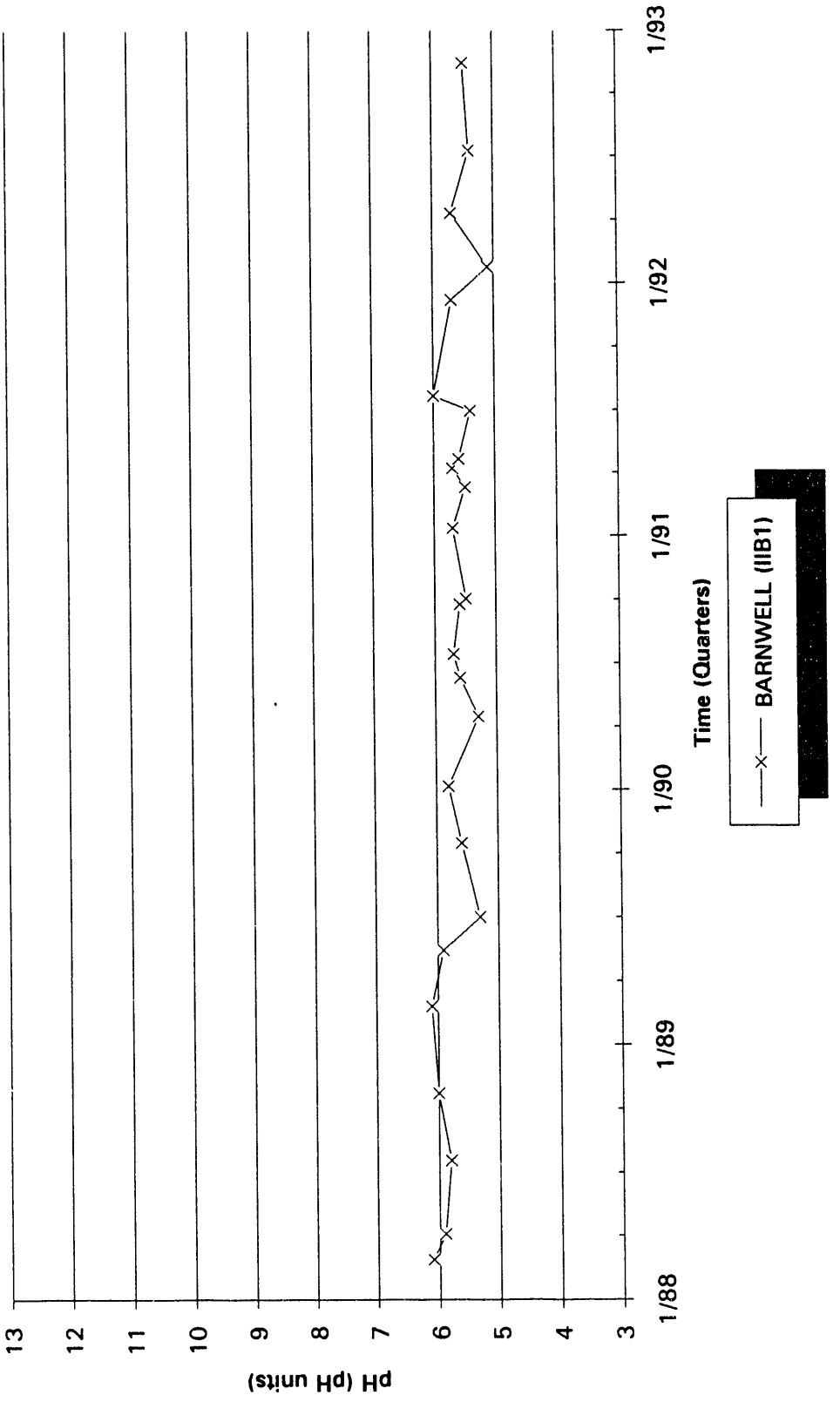
Breaks in lines indicate no data available.

FSB 102
pH



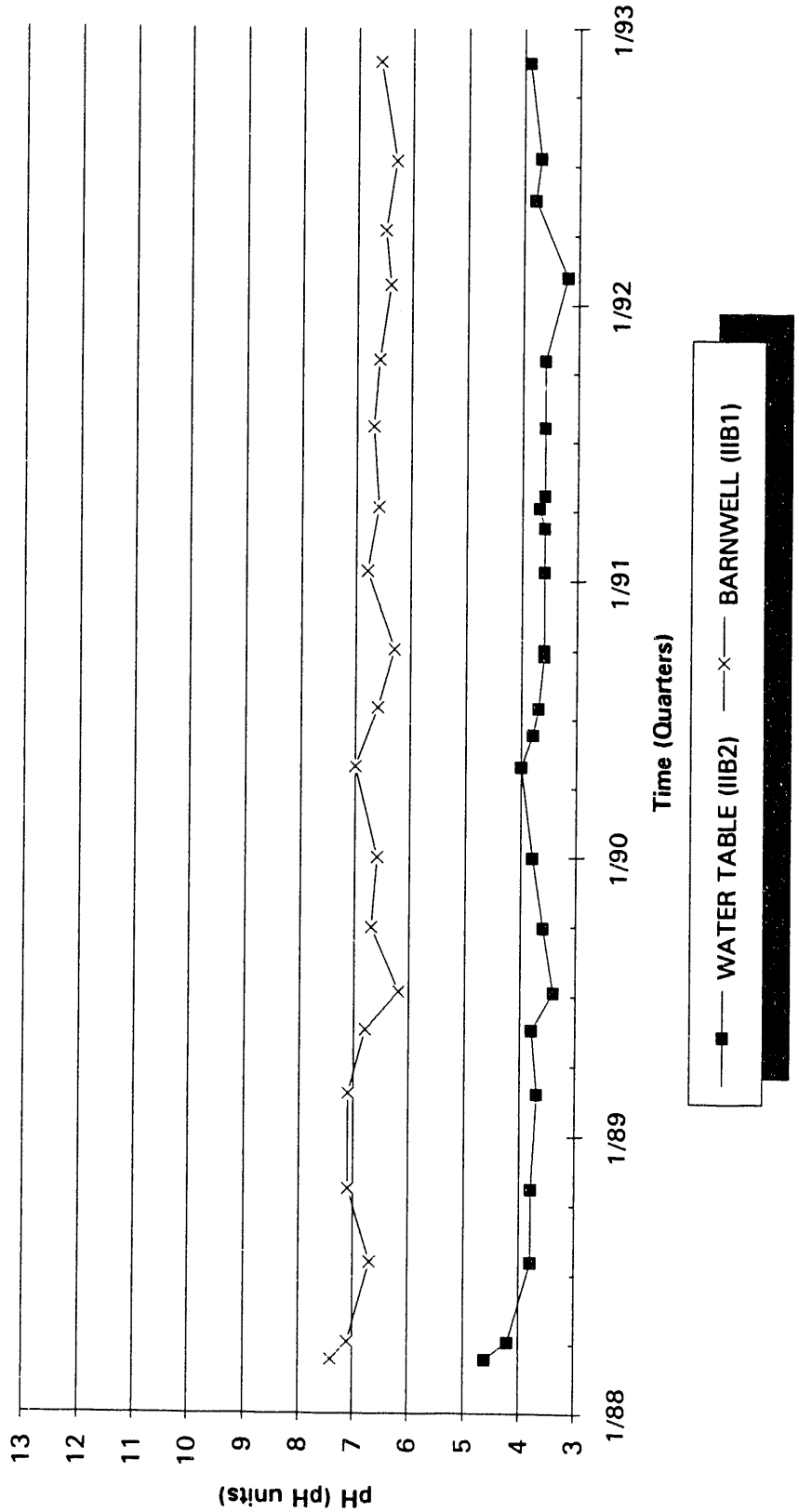
Breaks in lines indicate no data available.

FSB 103C
pH

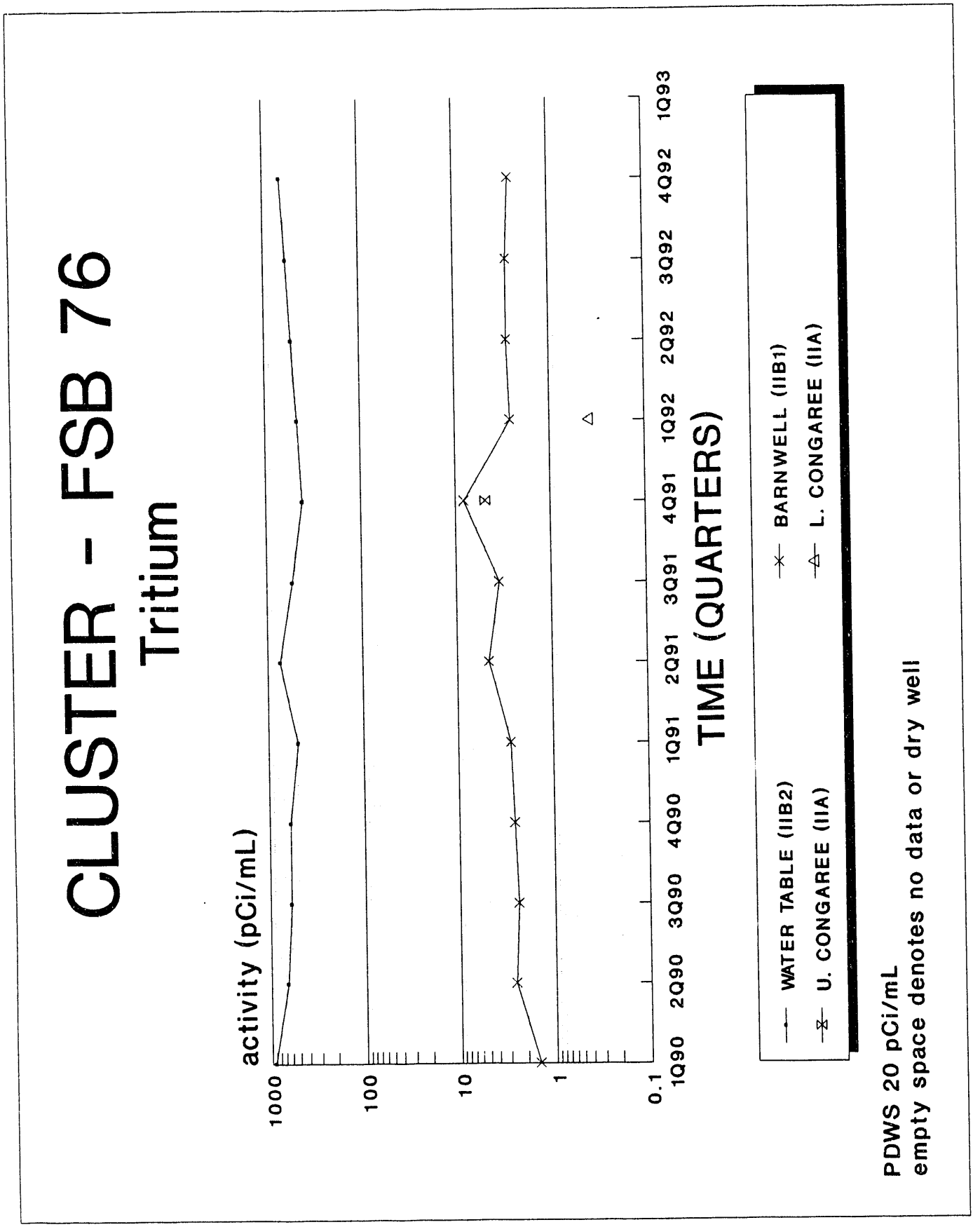


Breaks in lines indicate no data available.

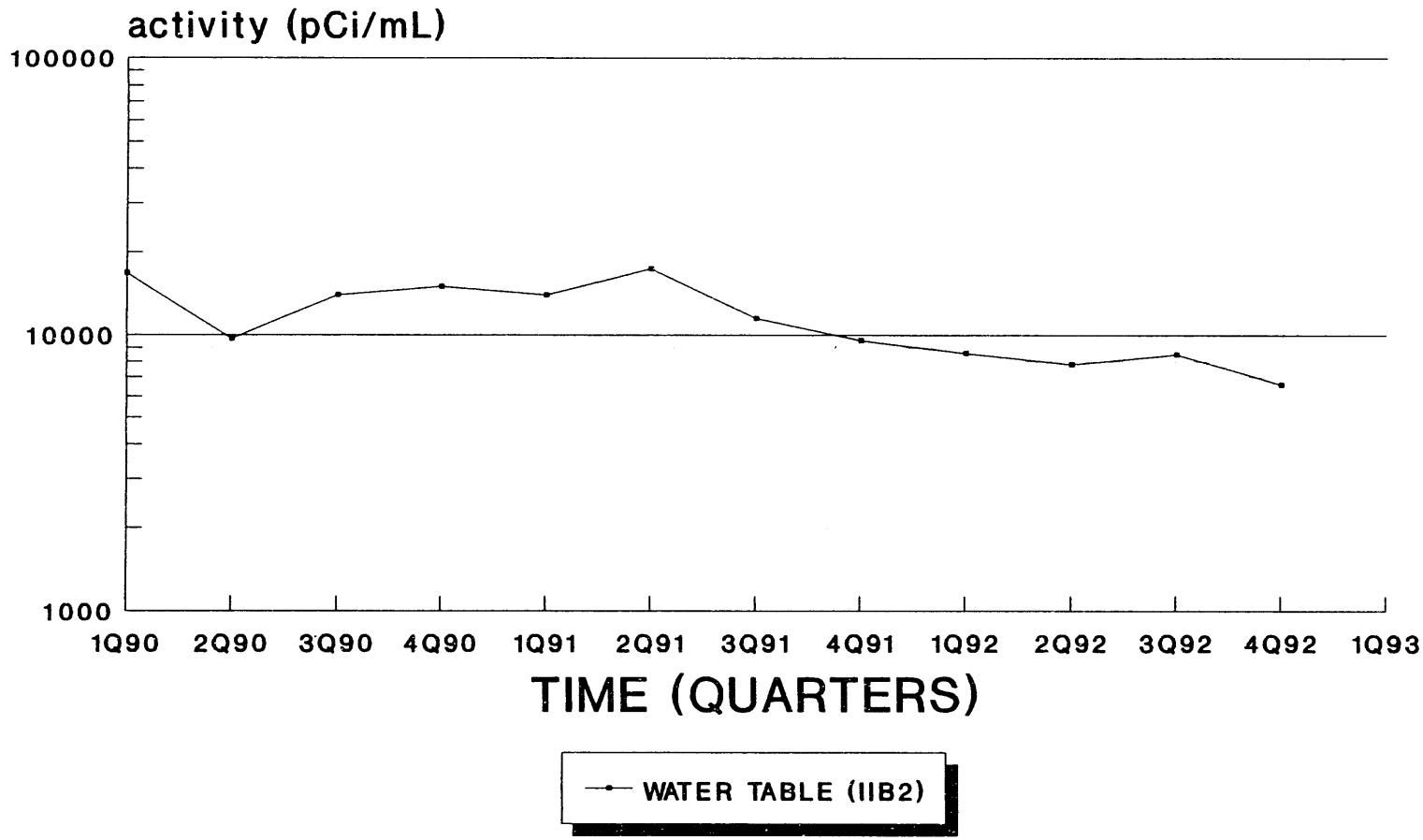
CLUSTER - FSB 107
pH



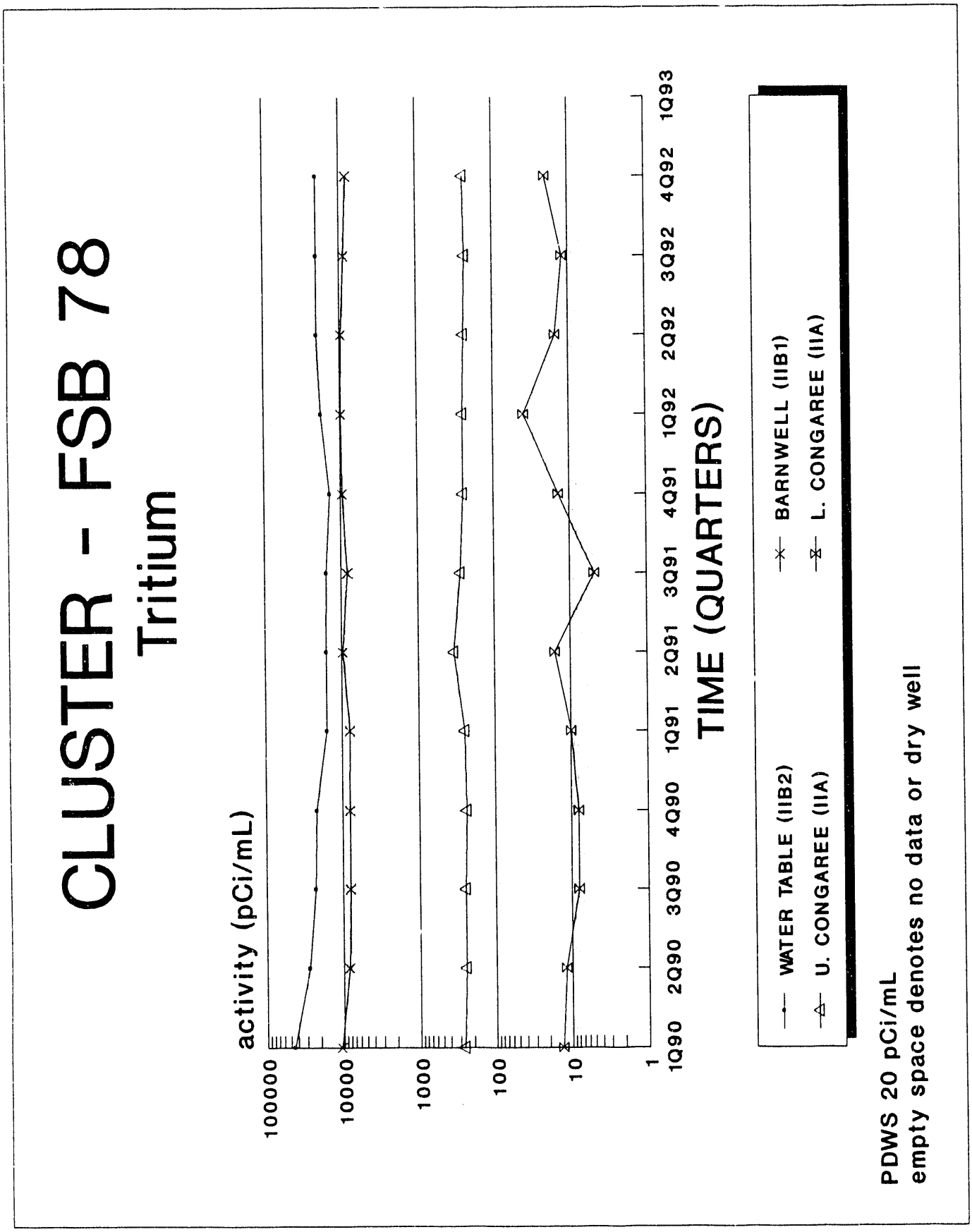
Breaks in lines indicate no data available.


CLUSTER - FSB 76
Tritium
activity (pCi/mL)
1000
100
10
1
0.1
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
U. CONGAREE (IIA)
BARNWELL (IIB1)
L. CONGAREE (IIA)
PDWS 20 pCi/mL
empty space denotes no data or dry well

FSB 77
Tritium

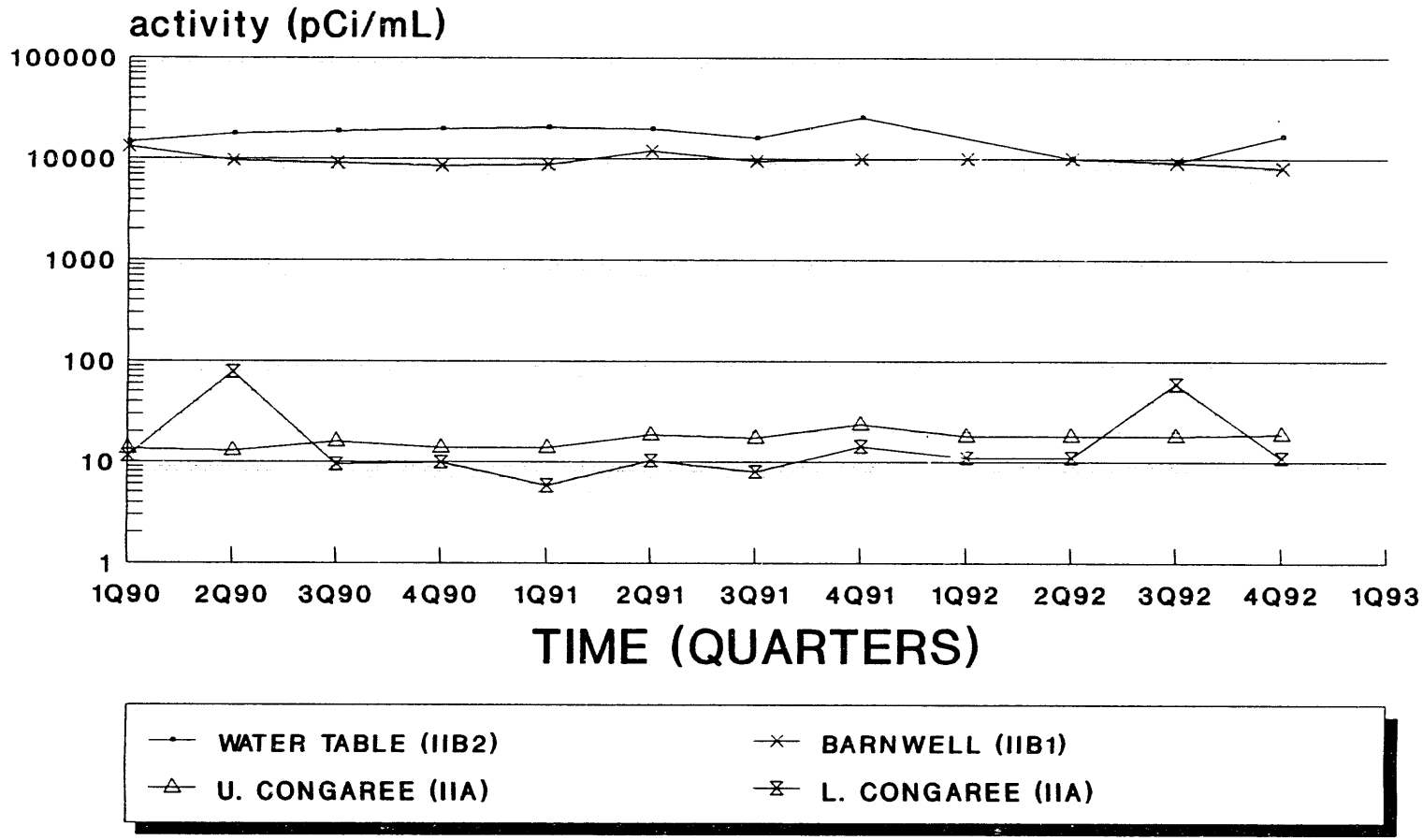


PDWS 20 pCi/mL
empty space denotes no data or dry well


CLUSTER - FSB 78
Tritium
activity (pCi/mL)
100000
10000
1000
100
10
1
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
U. CONGAREE (IIA)
BARNWELL (IIB1)
L. CONGAREE (IIA)
PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB 79

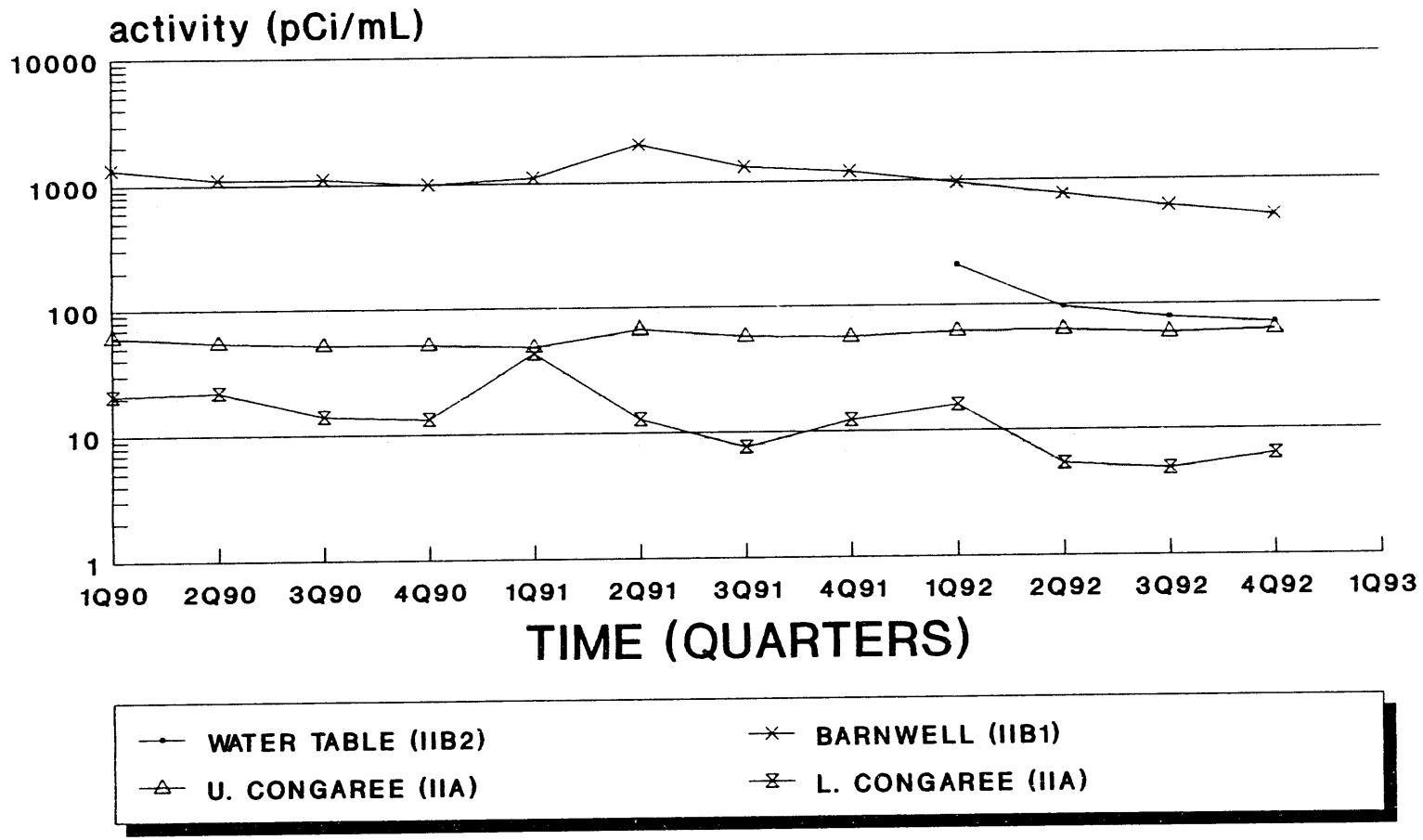
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB 87

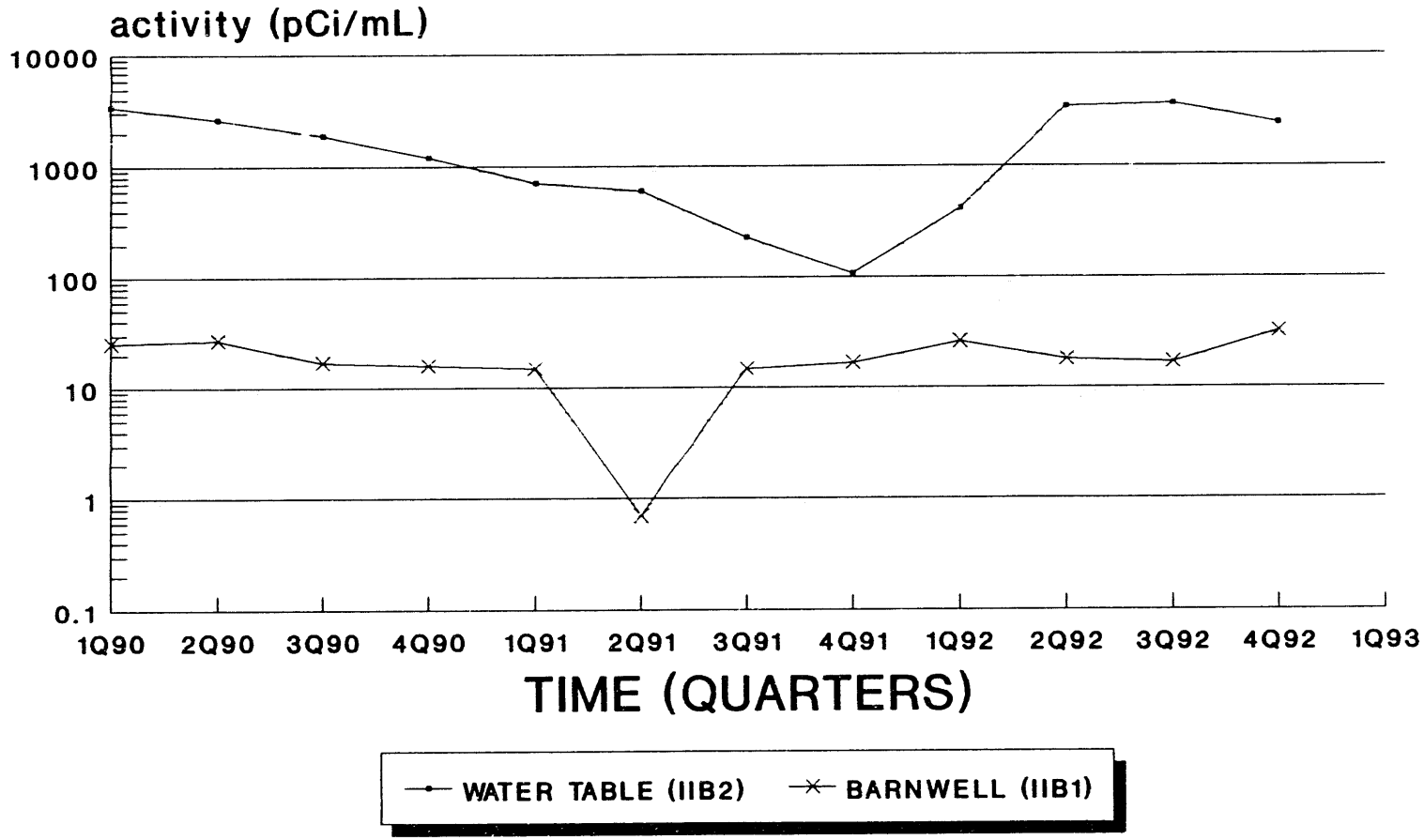
Tritium



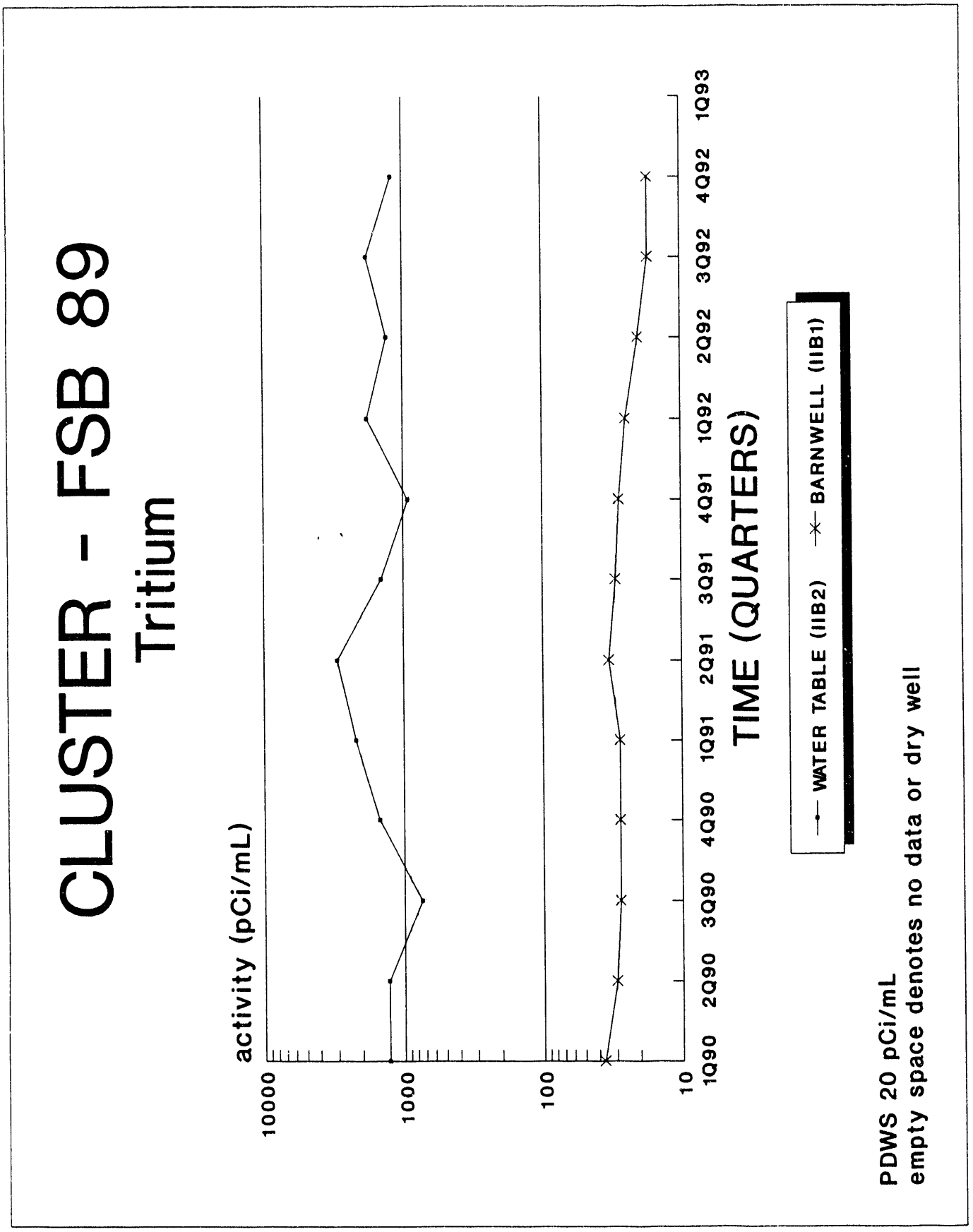
PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB 88

Tritium

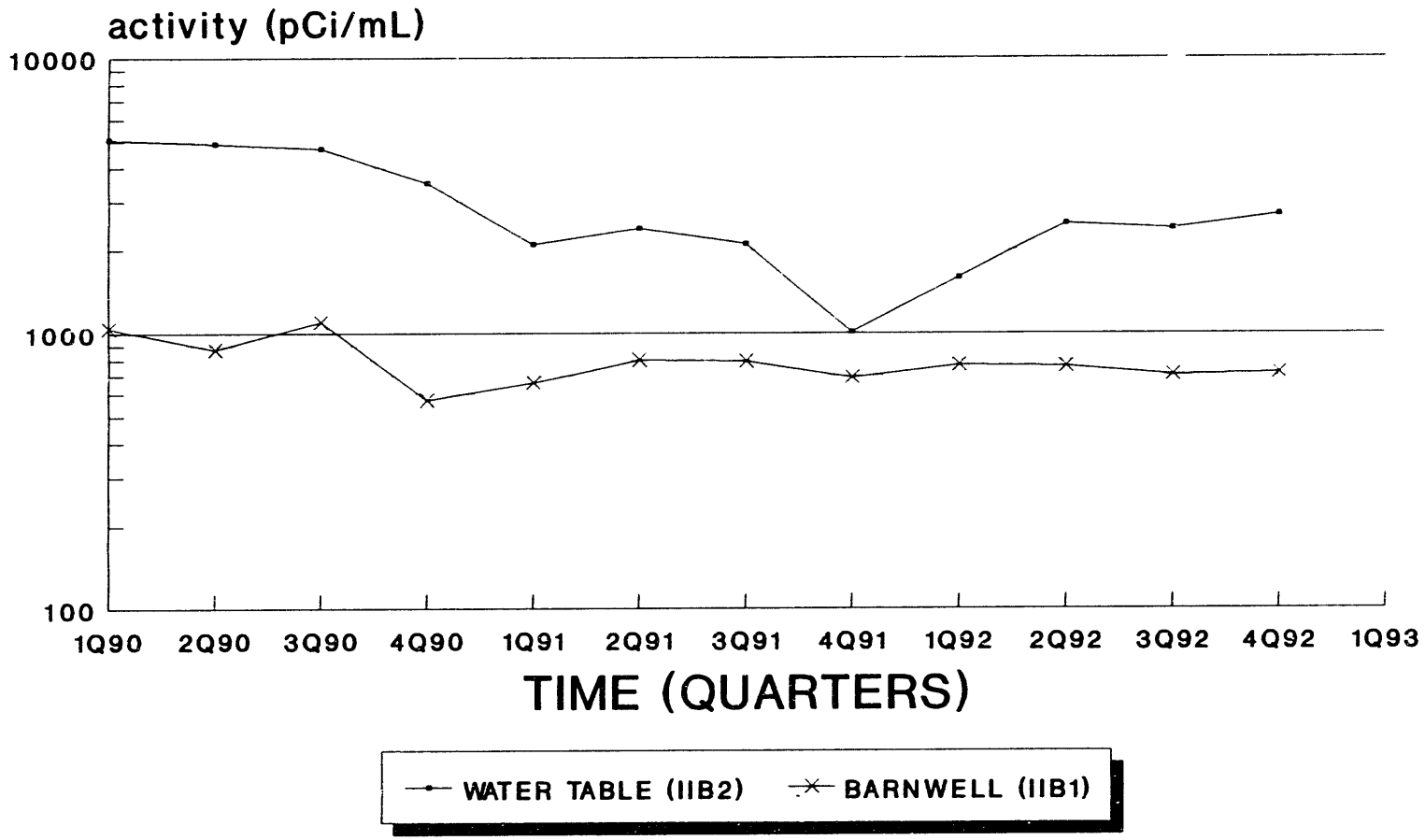


PDWS 20 pCi/mL
empty space denotes no data or dry well

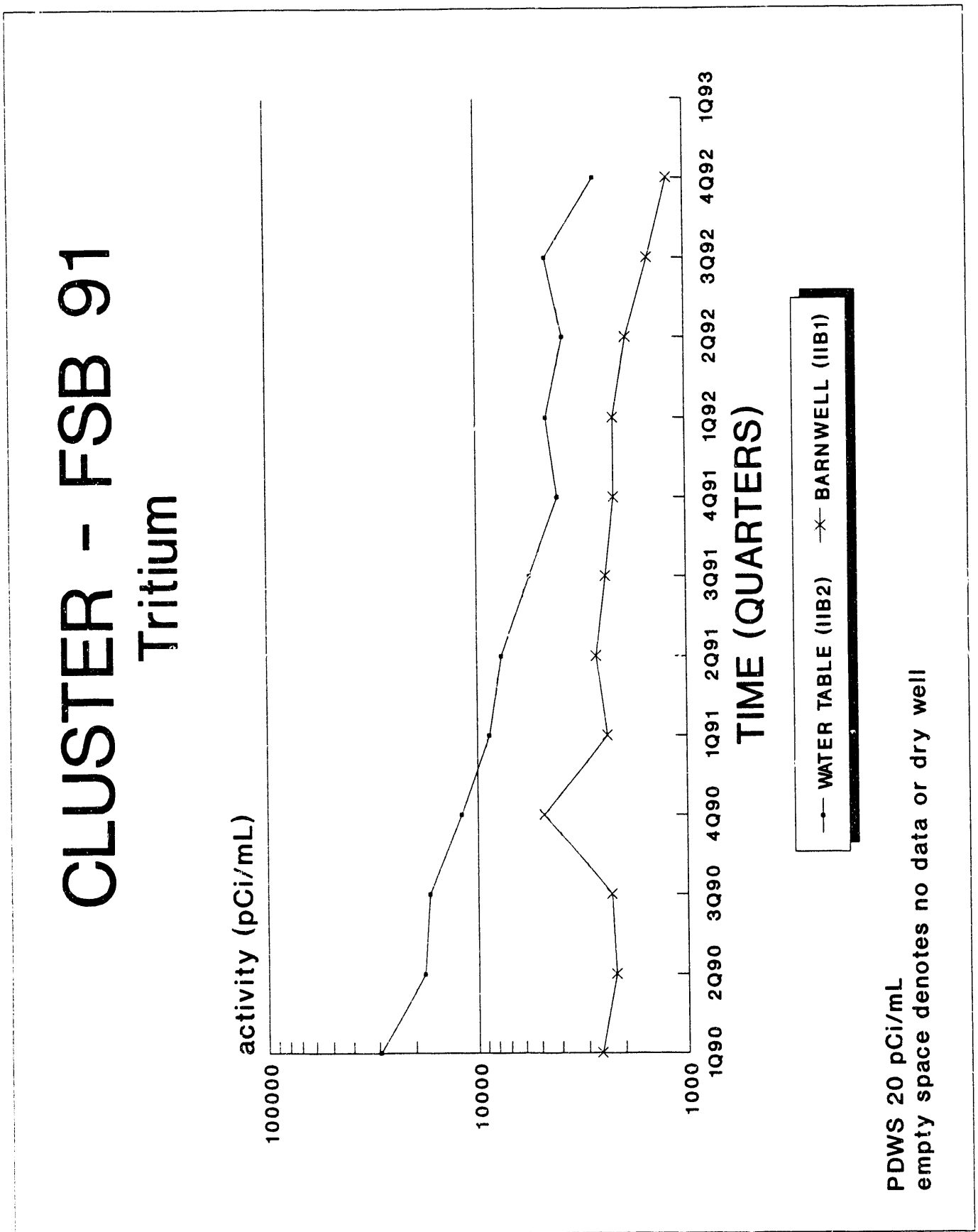

CLUSTER - FSB 89
Tritium
activity (pCi/mL)
10000
1000
100
10
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB 90

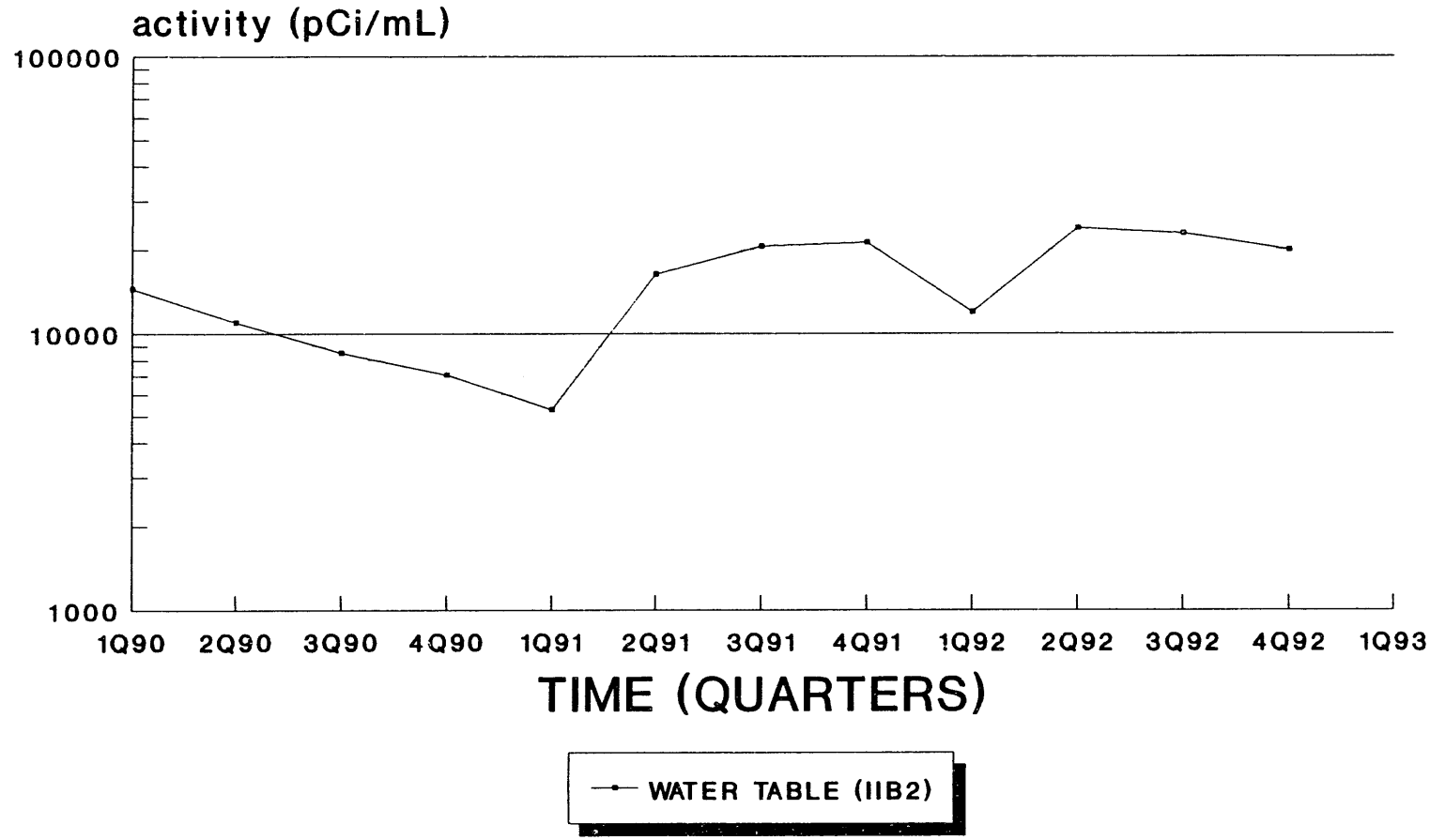
Tritium



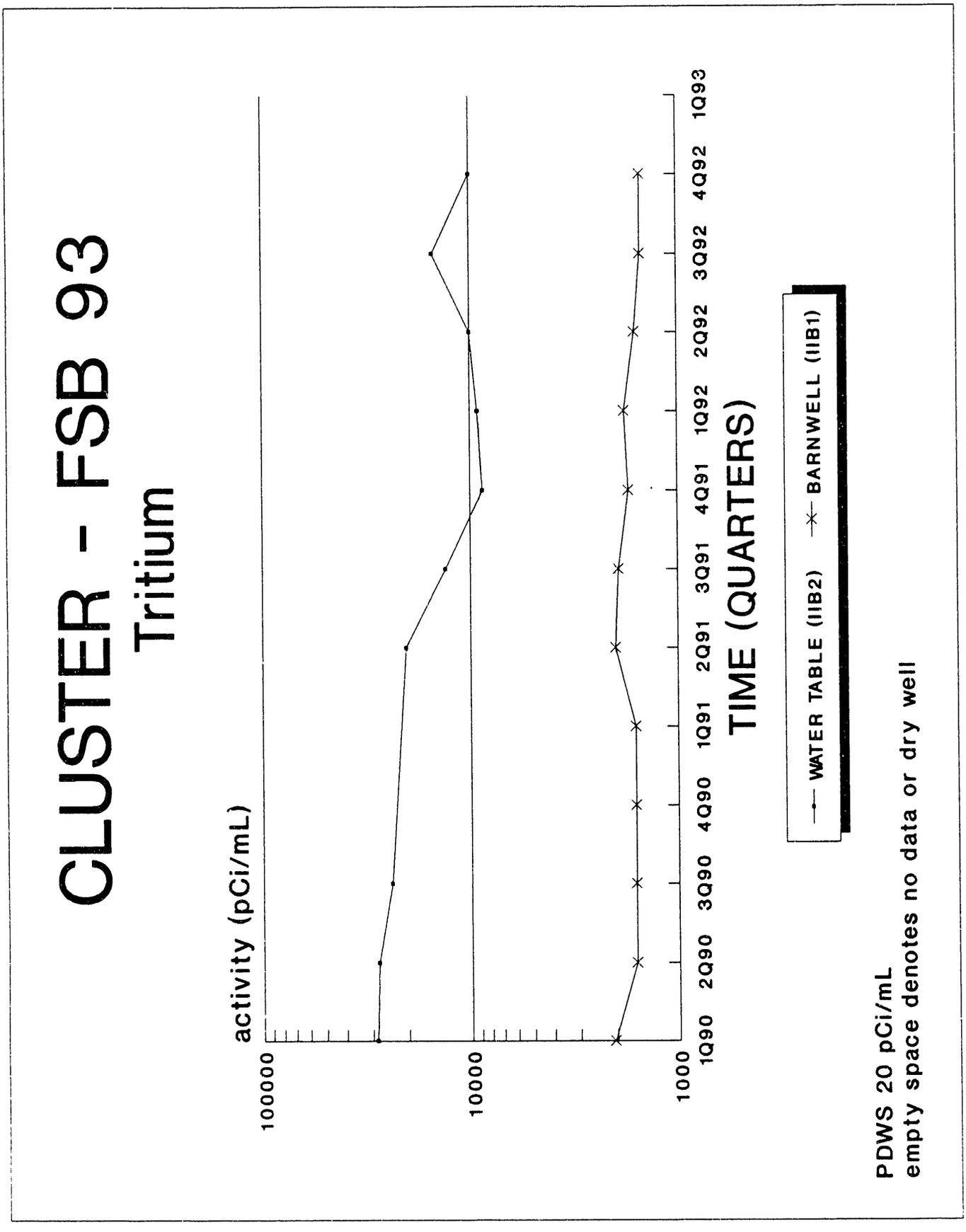
PDWS 20 pCi/mL
empty space denotes no data or dry well


CLUSTER - FSB 91
Tritium
activity (pCi/mL)
100000
10000
1000
1Q90 2Q90 3Q90 4Q90 1Q91 2Q91 3Q91 4Q91 1Q92 2Q92 3Q92 4Q92 1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
PDWS 20 pCi/mL
empty space denotes no data or dry well

FSB 92D
Tritium

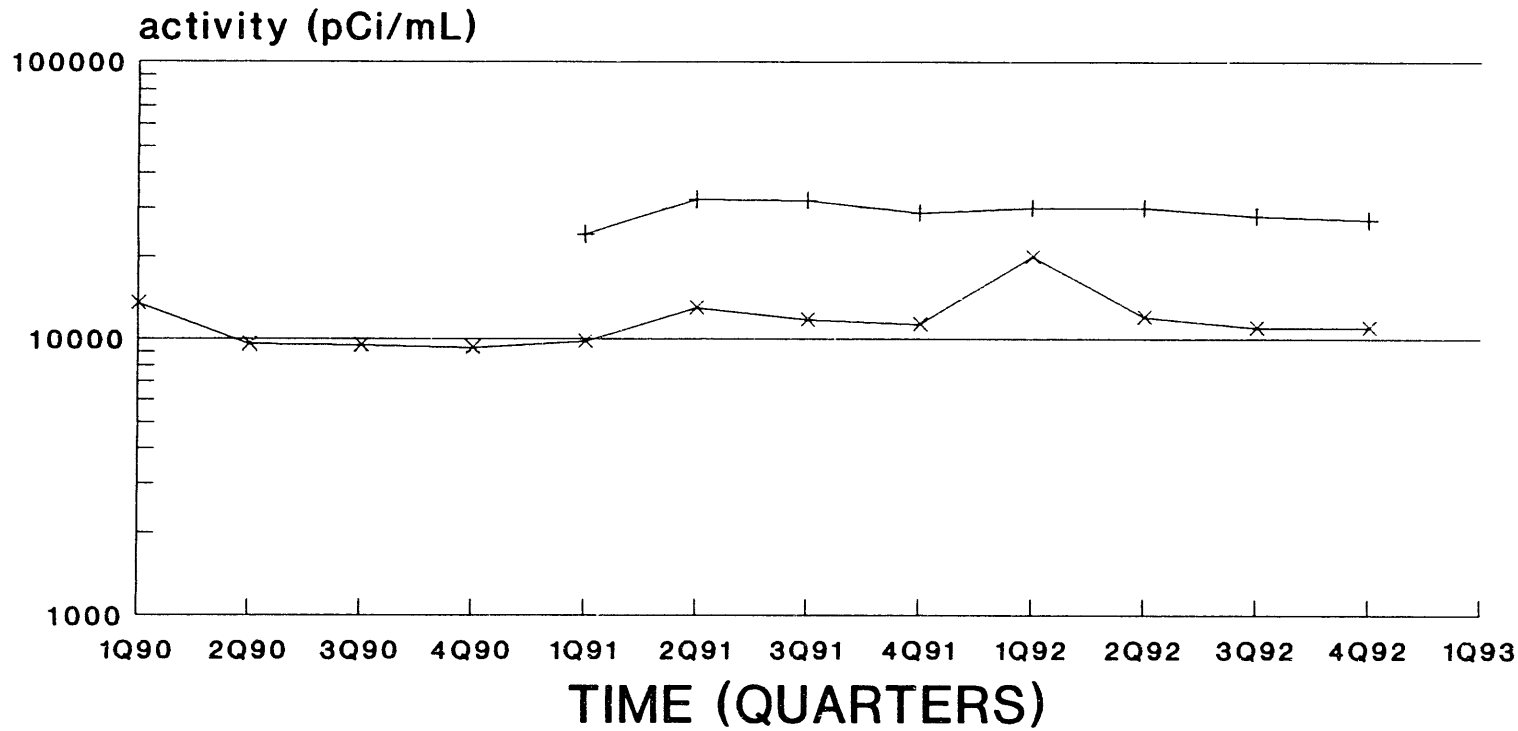


PDWS 20 pCi/mL
empty space denotes no data or dry well


CLUSTER - FSB 93
Tritium
activity (pCi/mL)
100000
10000
1000
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB 94

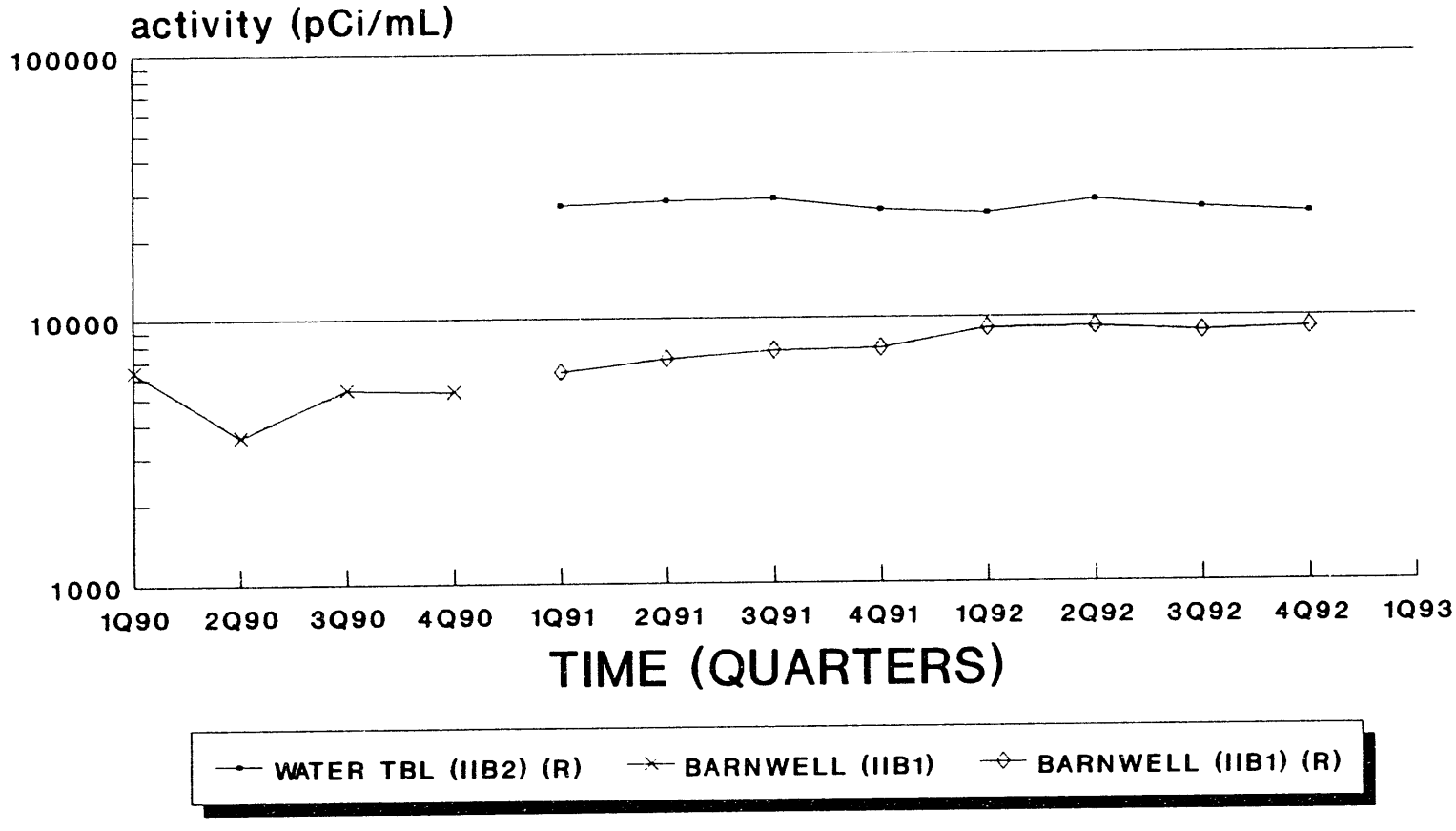
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - FSB 95

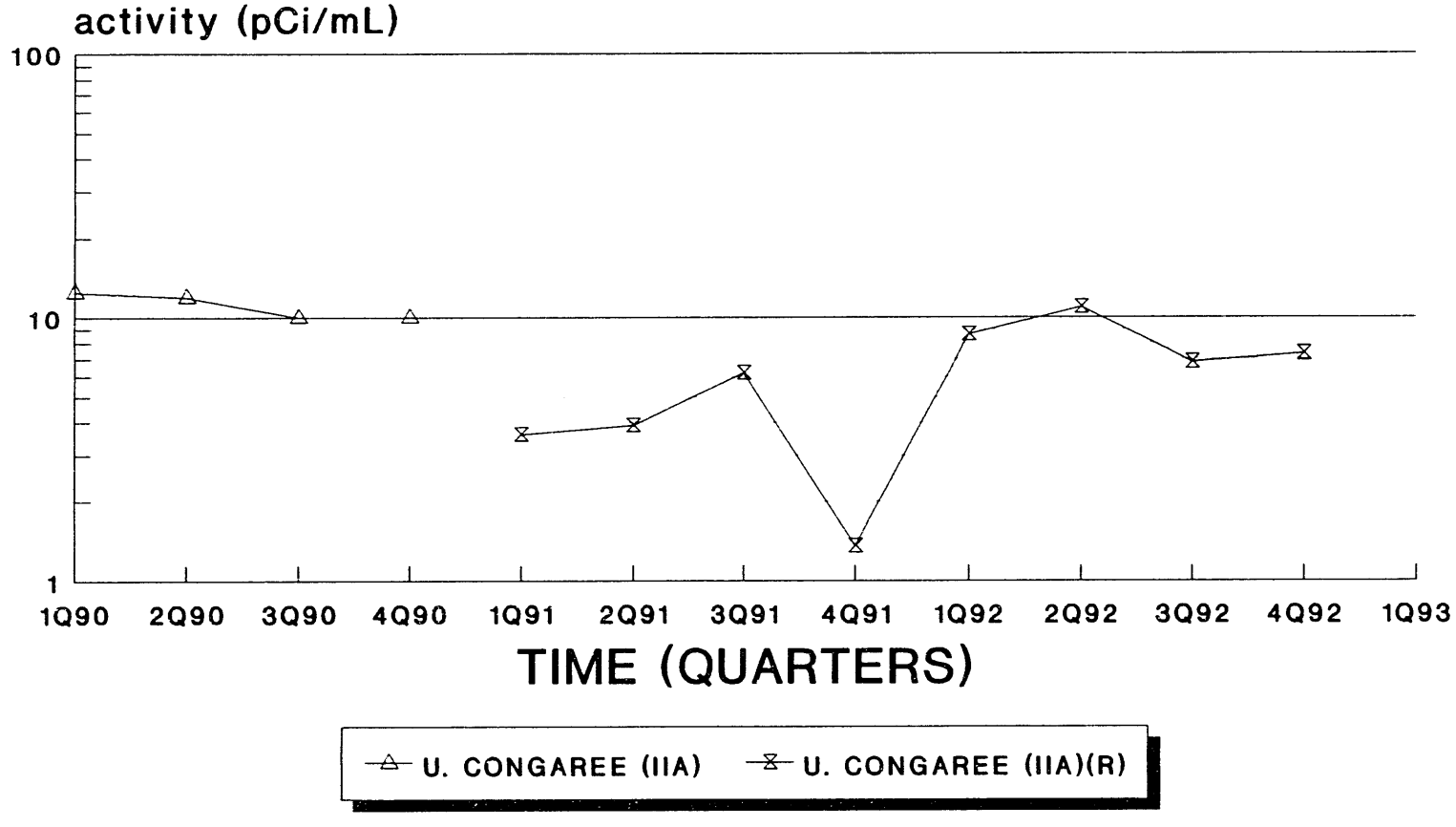
Tritium



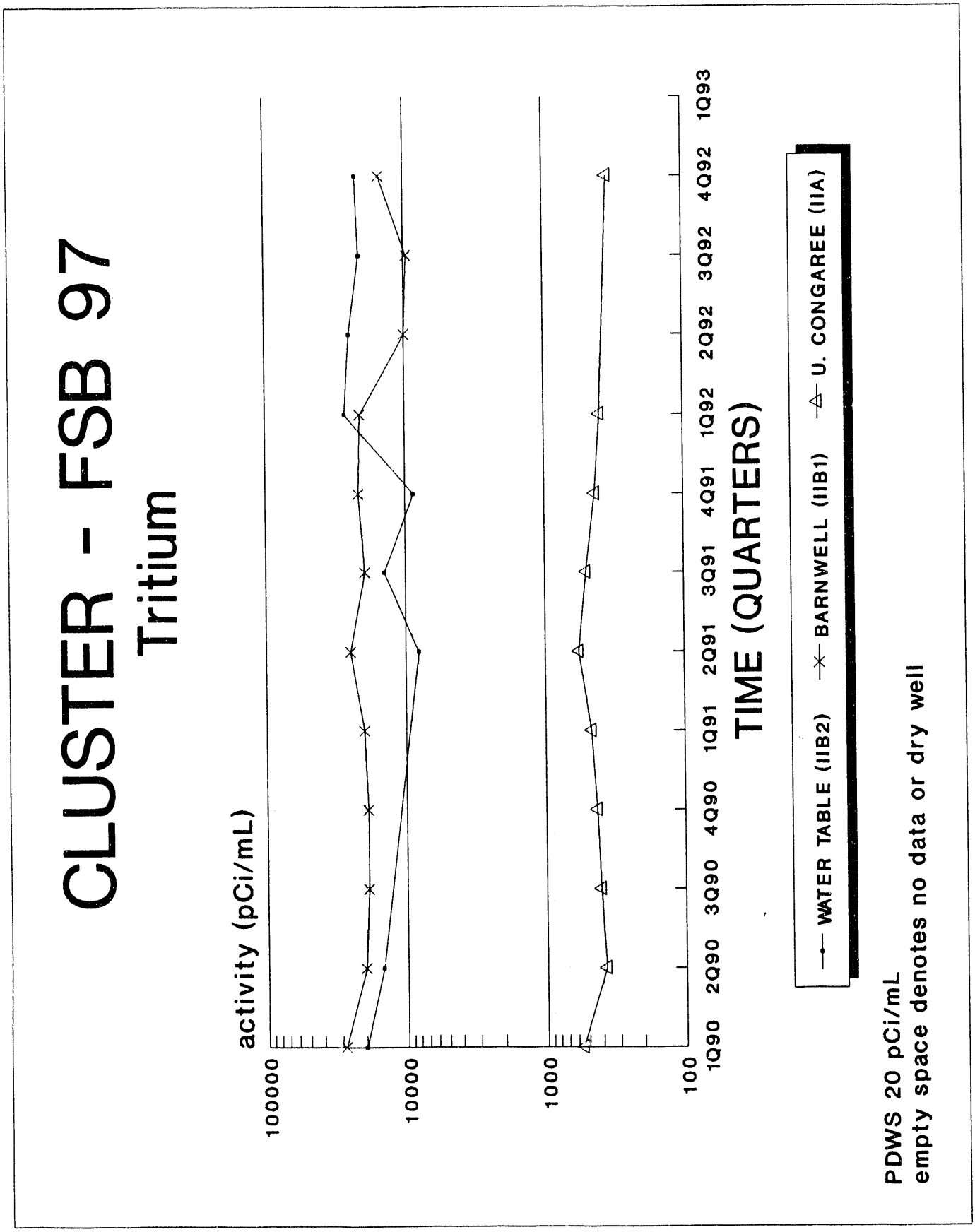
PDWS 20 pCi/mL
empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - FSB 96

Tritium

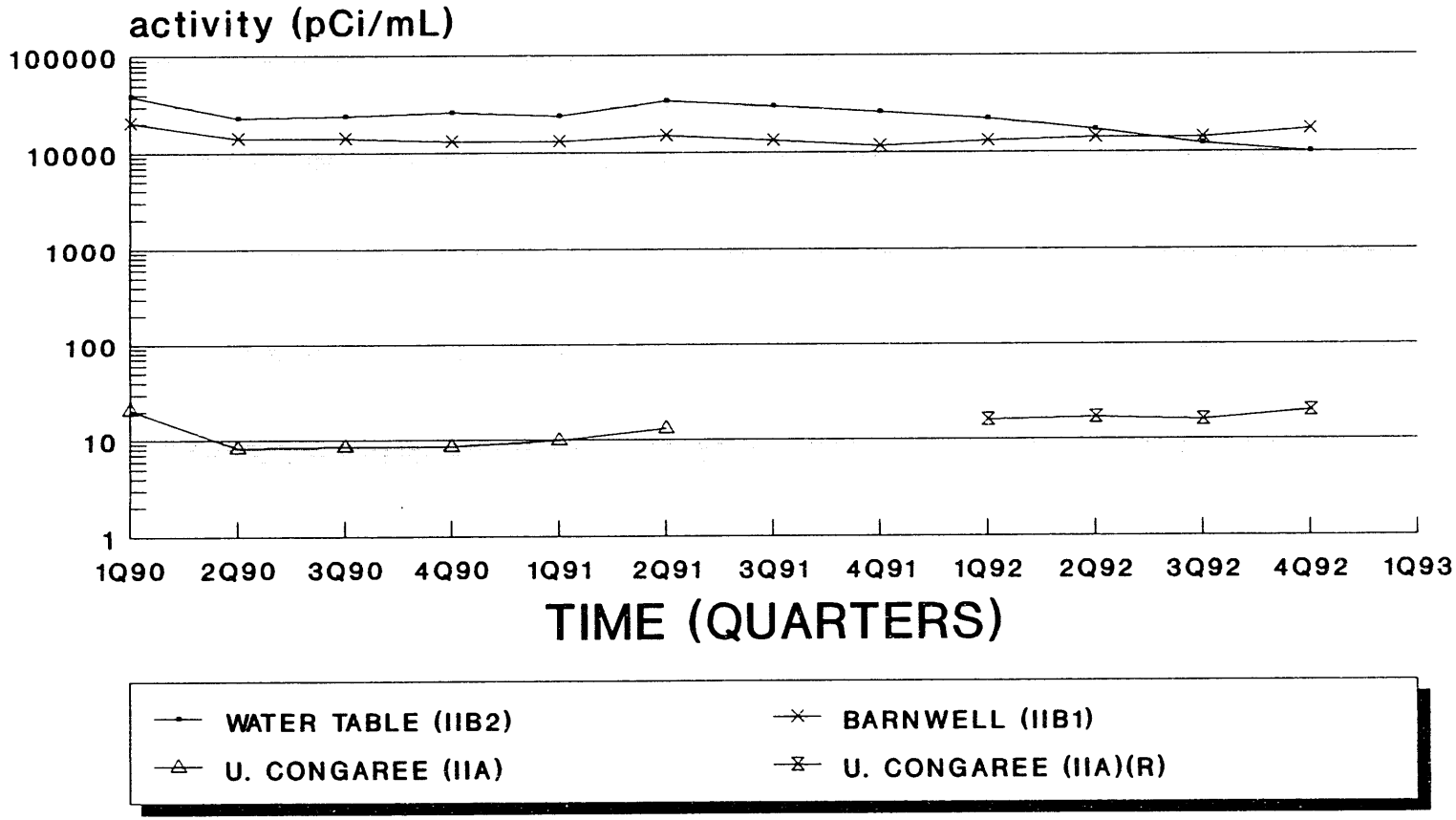


PDWS 20 pCi/mL
empty space denotes no data or dry well;
(R) denotes a replacement well


CLUSTER - FSB 97
Tritium
activity (pCi/mL)
100000
10000
1000
100
1Q90 2Q90 3Q90 4Q90 1Q91 2Q91 3Q91 4Q91 1Q92 2Q92 3Q92 4Q92 1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
U. CONGAREE (IIA)
PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB 98

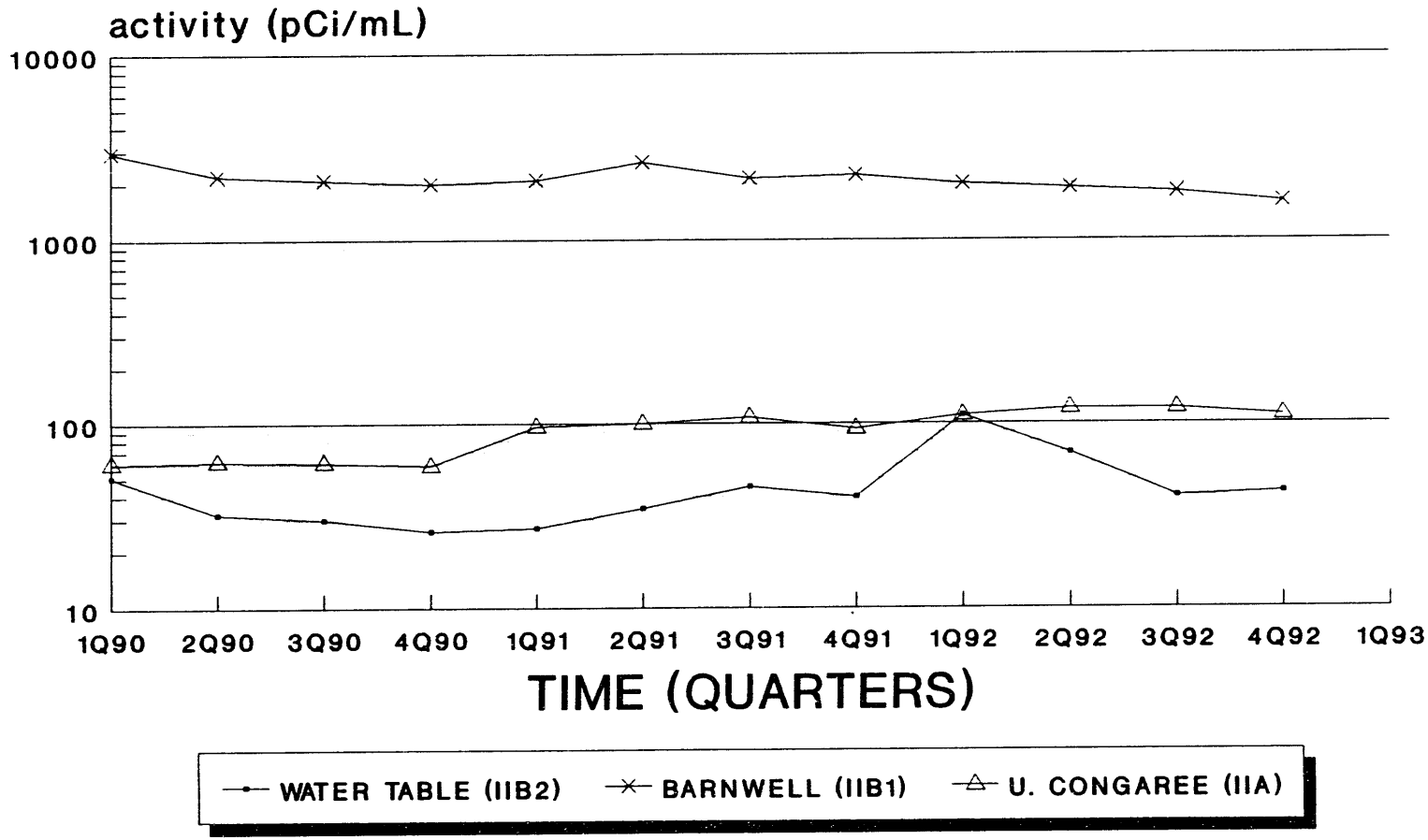
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well;
(R) denotes a replacement well

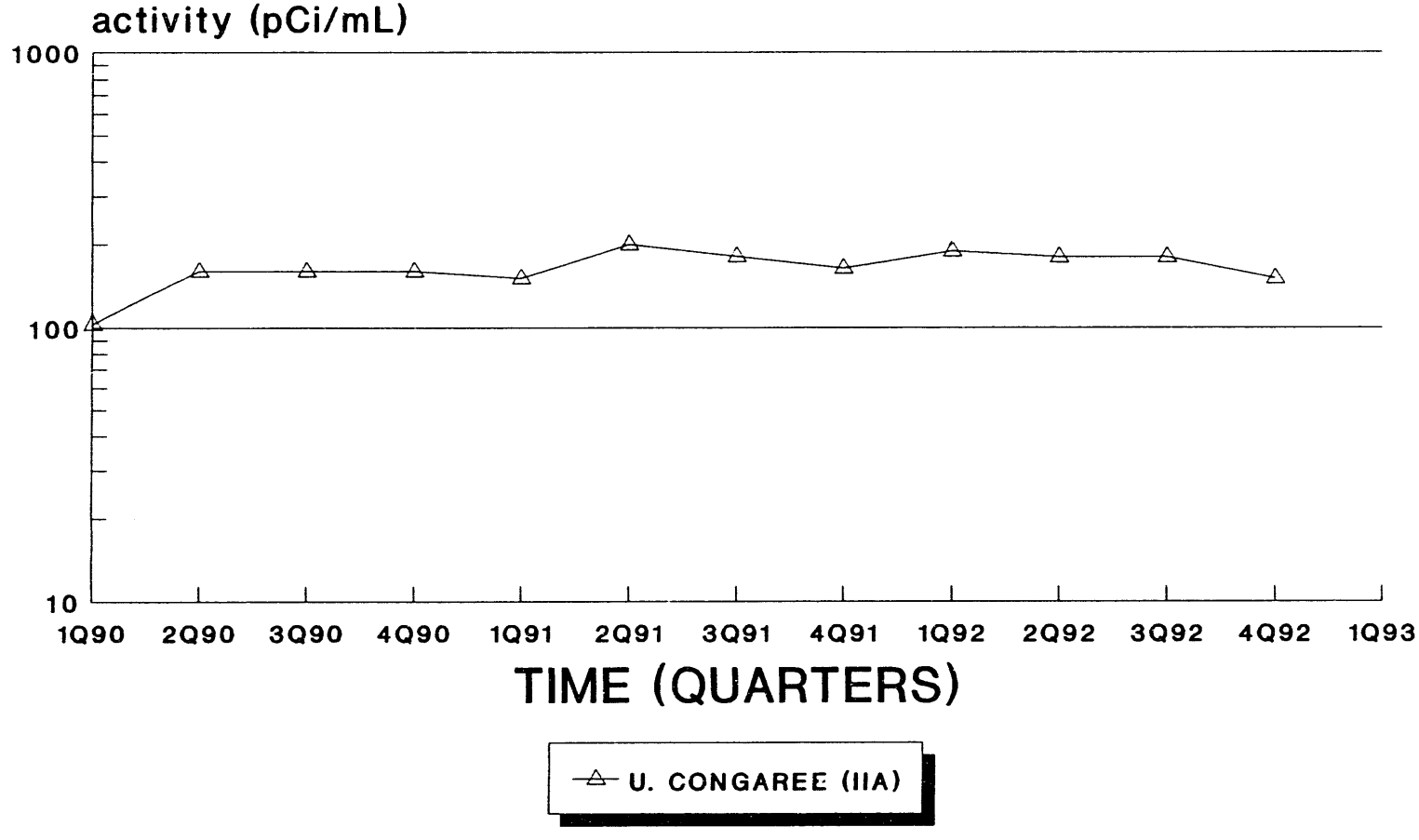
CLUSTER - FSB 99

Tritium

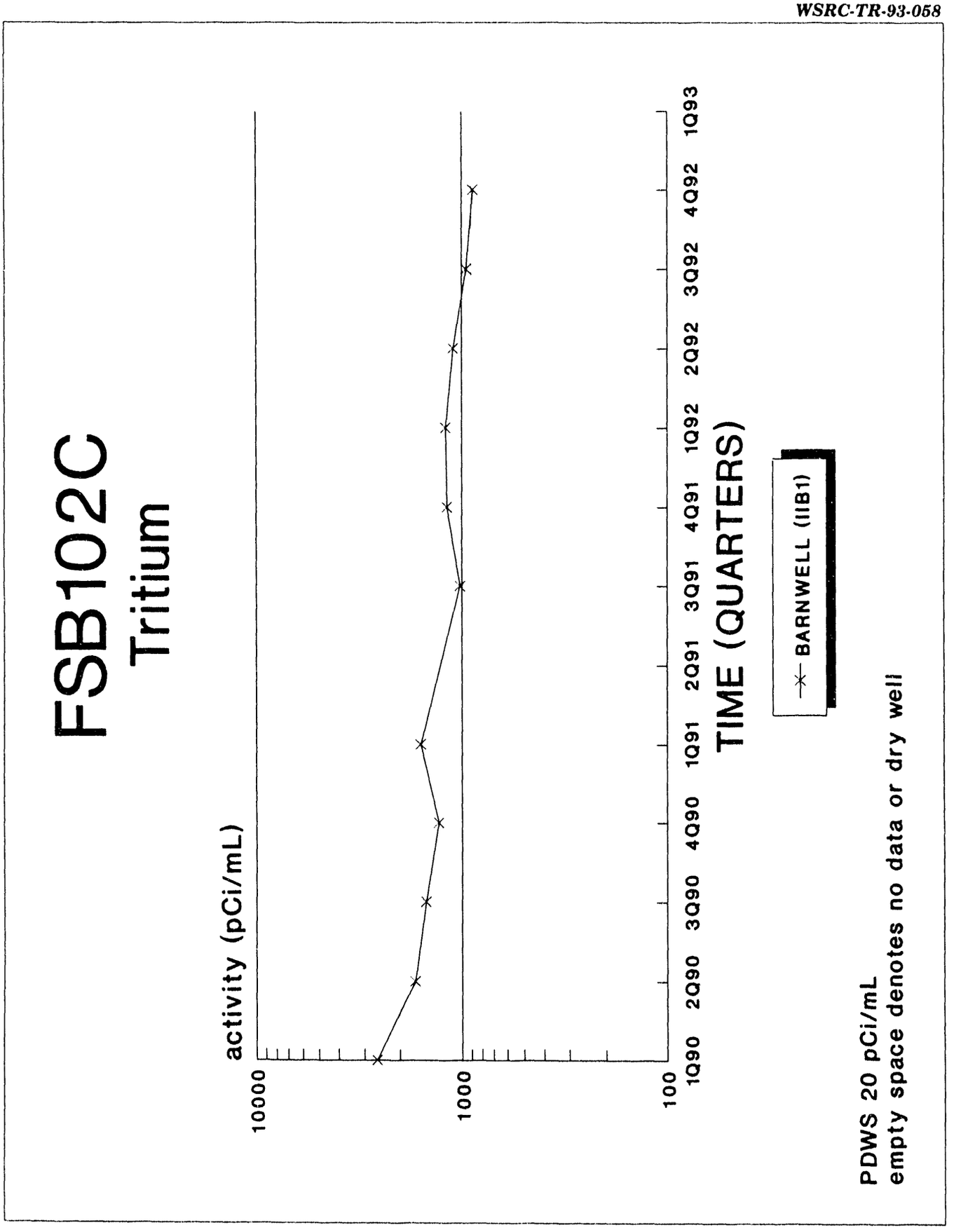


PDWS 20 pCi/mL
empty space denotes no data or dry well

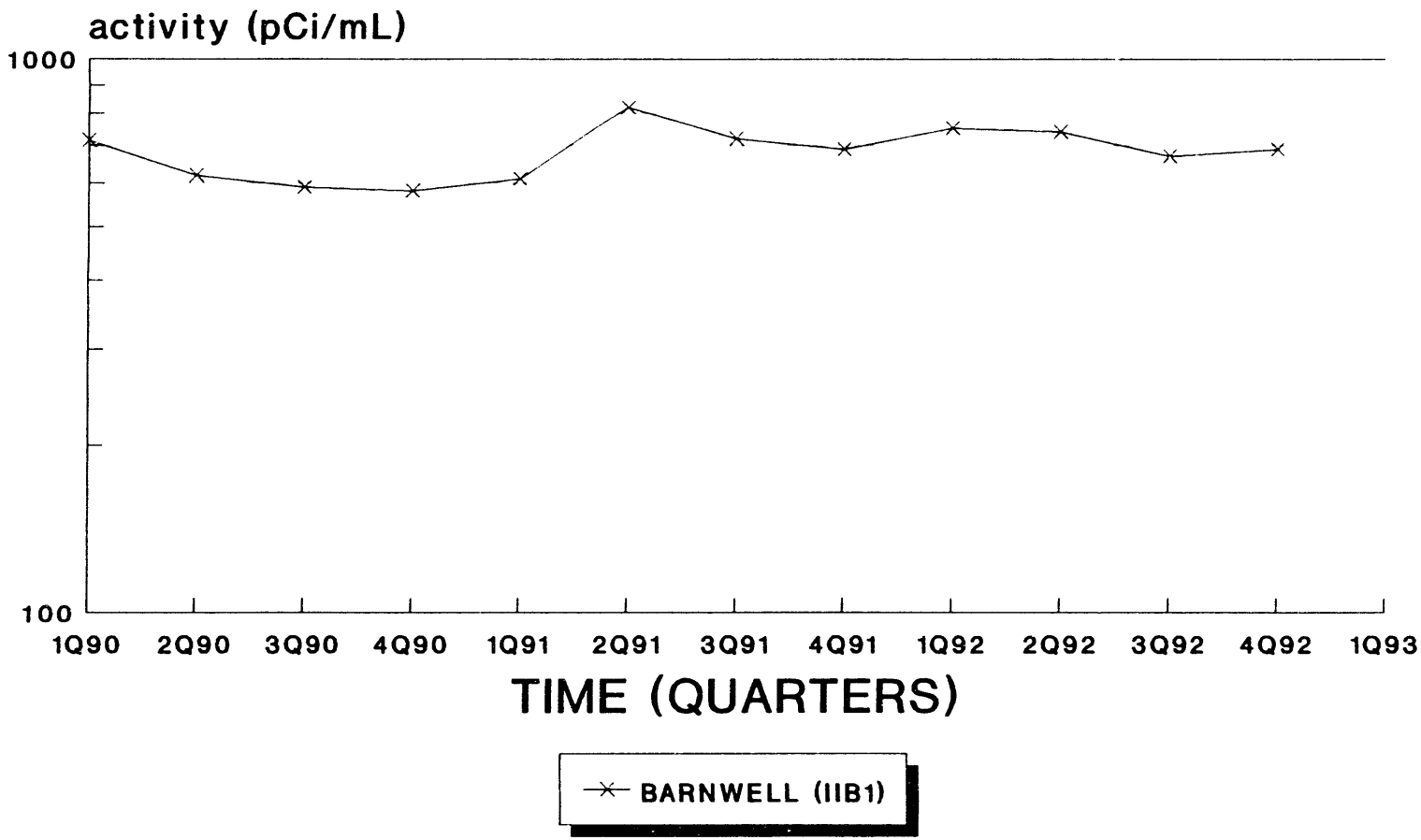
FSB100A
Tritium



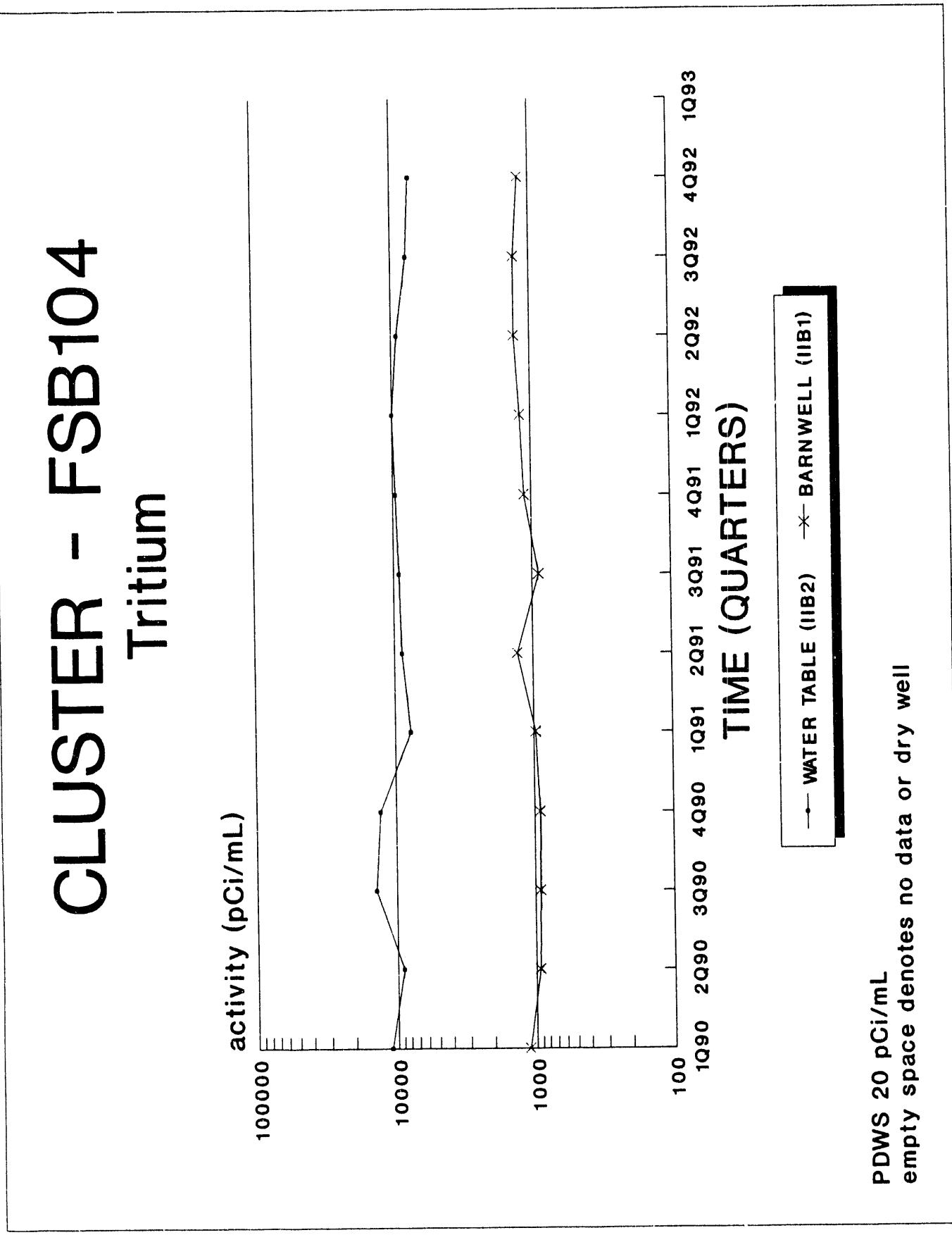
PDWS 20 pCi/mL
empty space denotes no data or dry well


FSB102C
Tritium
activity (pCi/mL)
10000
1000
100
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
BARNWELL (IIB1)
PDWS 20 pCi/mL
empty space denotes no data or dry well

FSB103C
Tritium

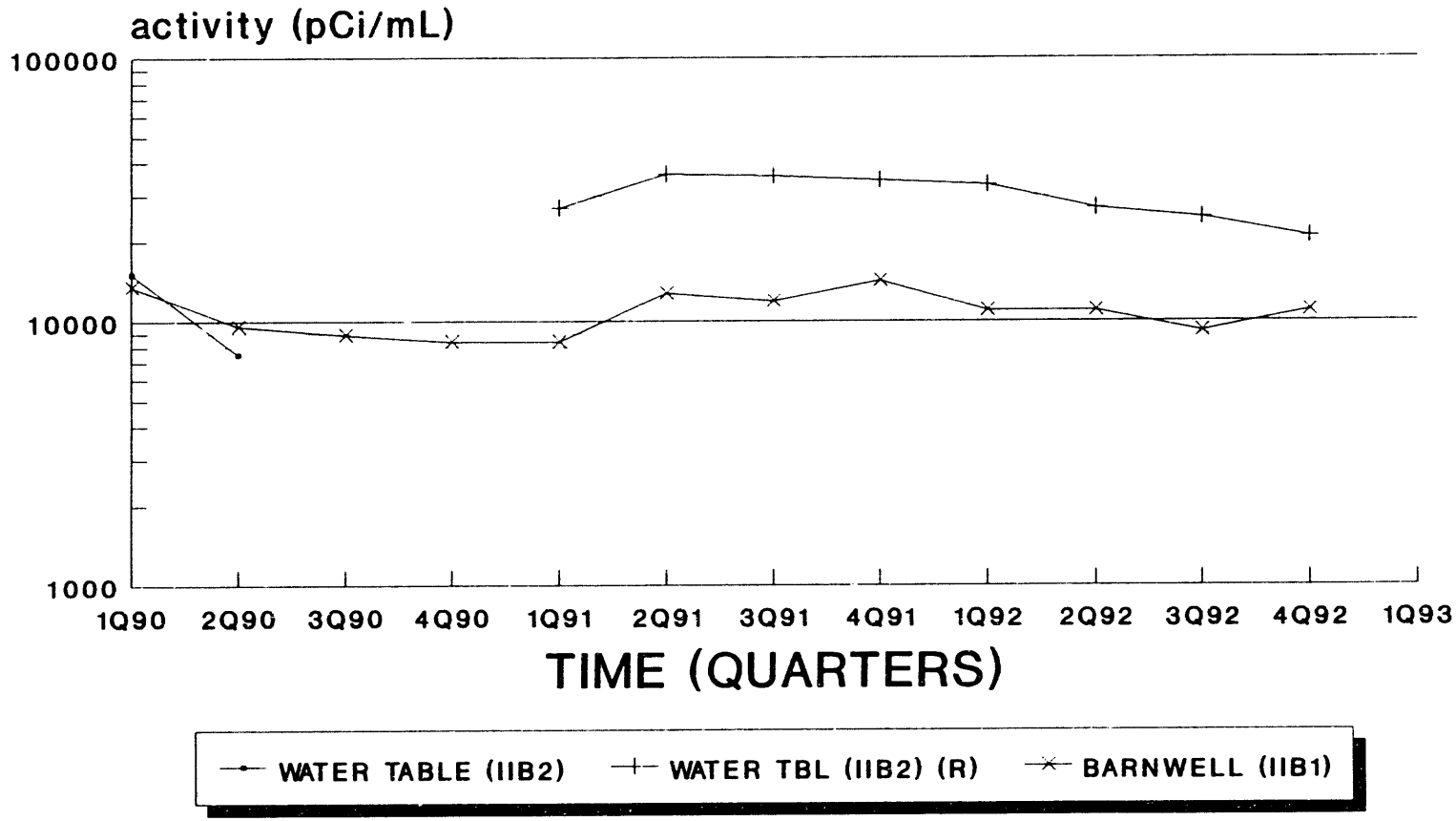


PDWS 20 pCi/mL
empty space denotes no data or dry well

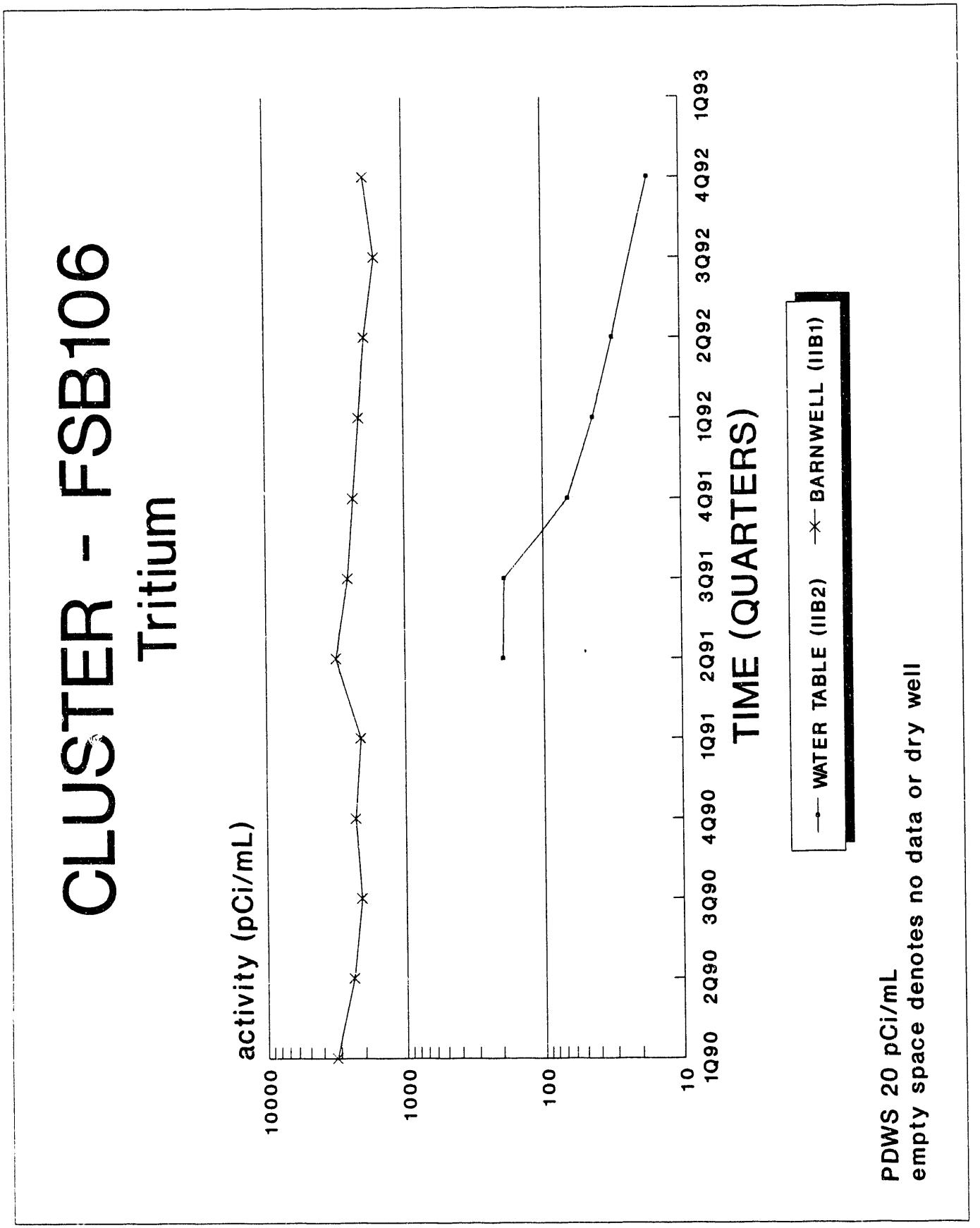

CLUSTER - FSB104
Tritium
activity (pCi/mL)
100000
10000
1000
100
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
PDWS 20 pCi/mL
empty space denotes no data or dry well

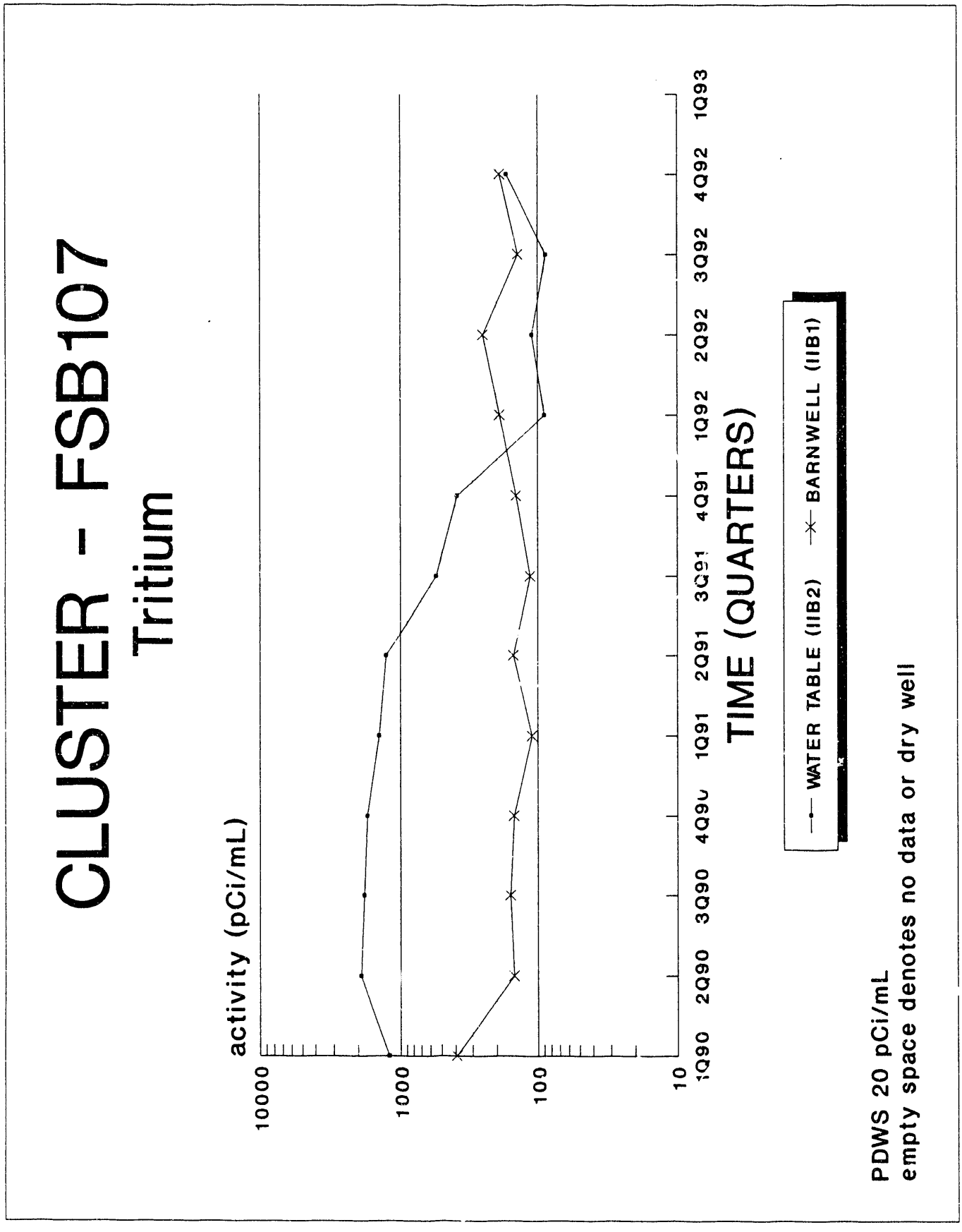
CLUSTER - FSB105

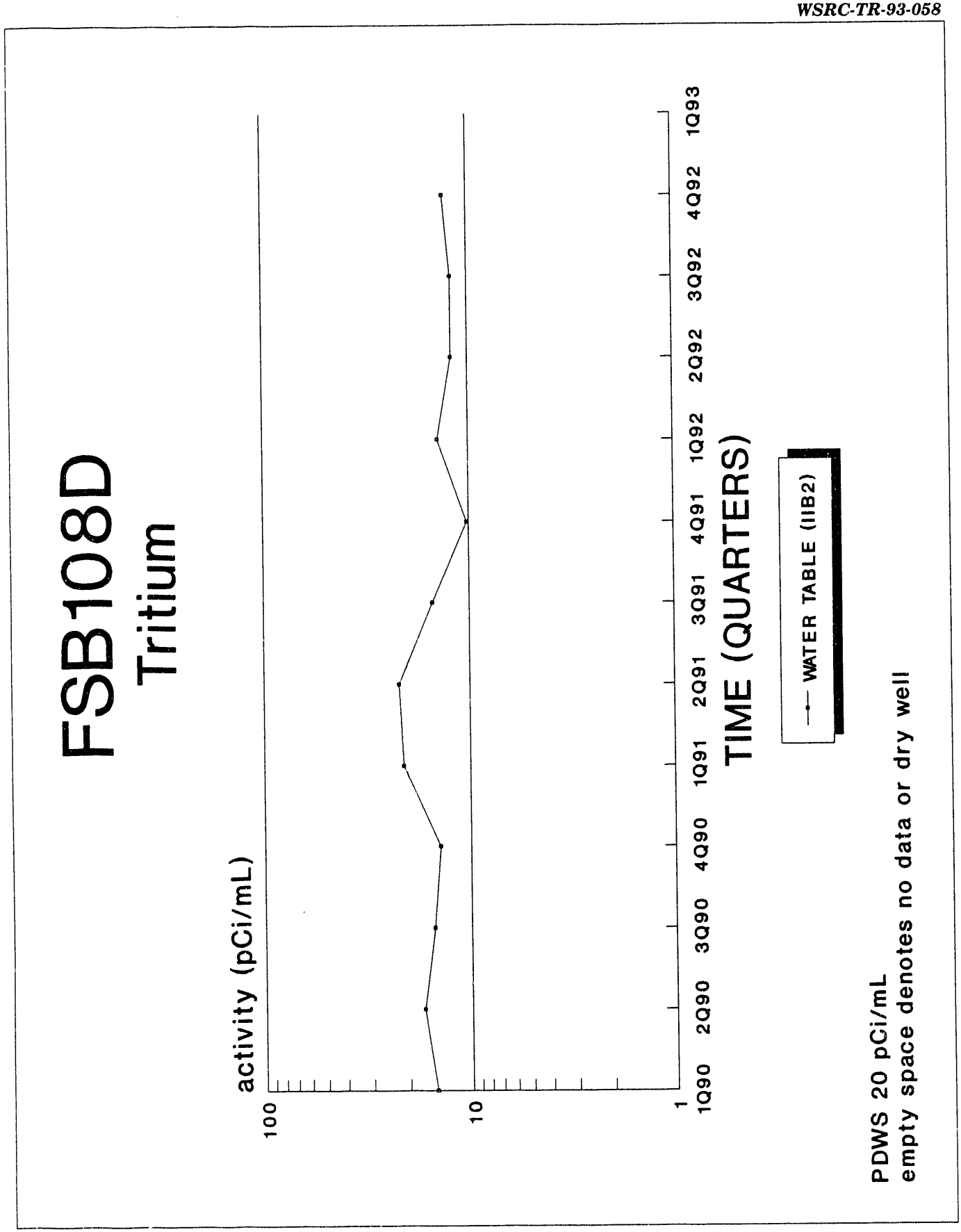
Tritium



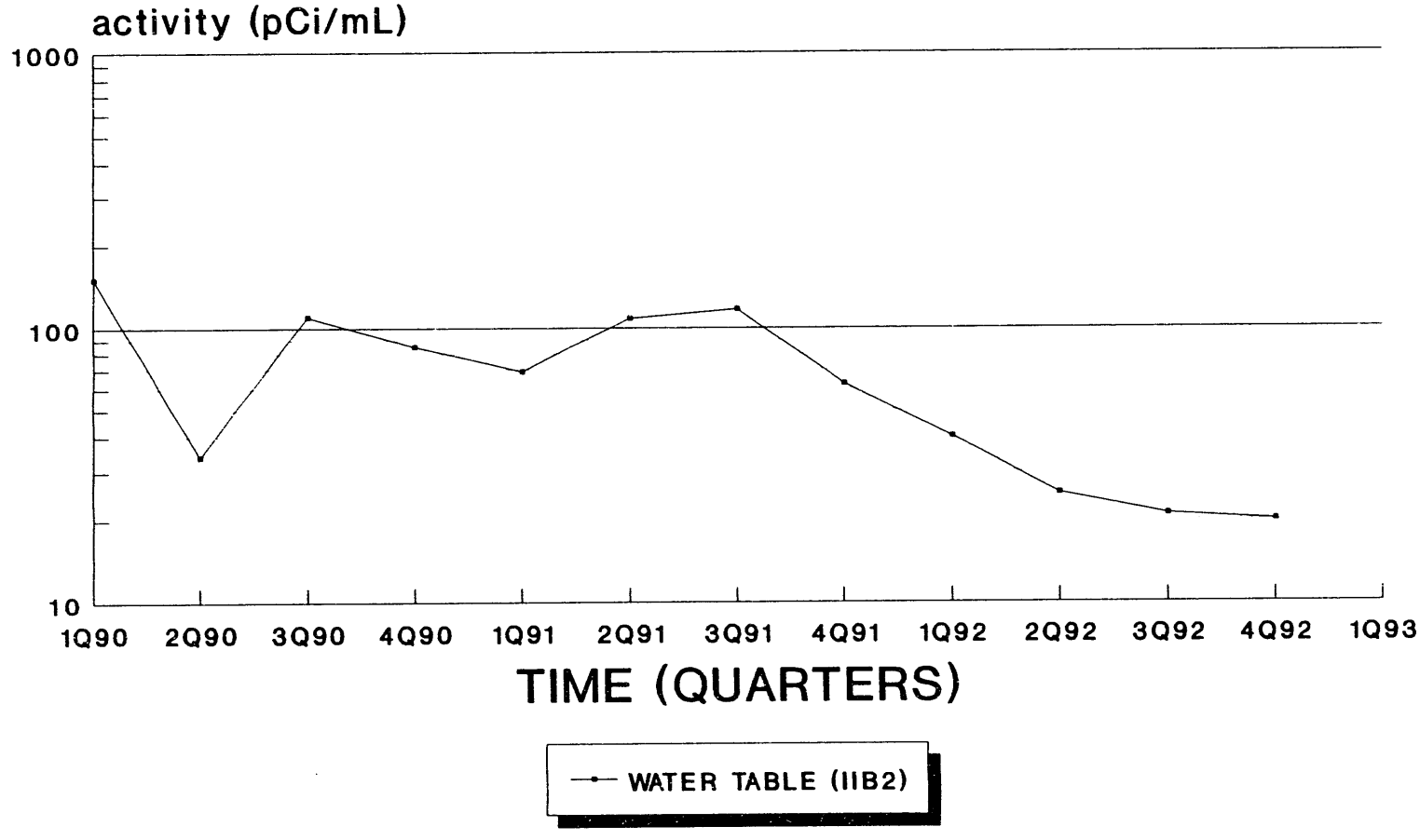
PDWS 20 pCi/mL
empty space denotes no data or dry well;
(R) denotes a replacement well


CLUSTER - FSB106
Tritium
activity (pCi/mL)
10000
1000
100
10
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
PDWS 20 pCi/mL
empty space denotes no data or dry well

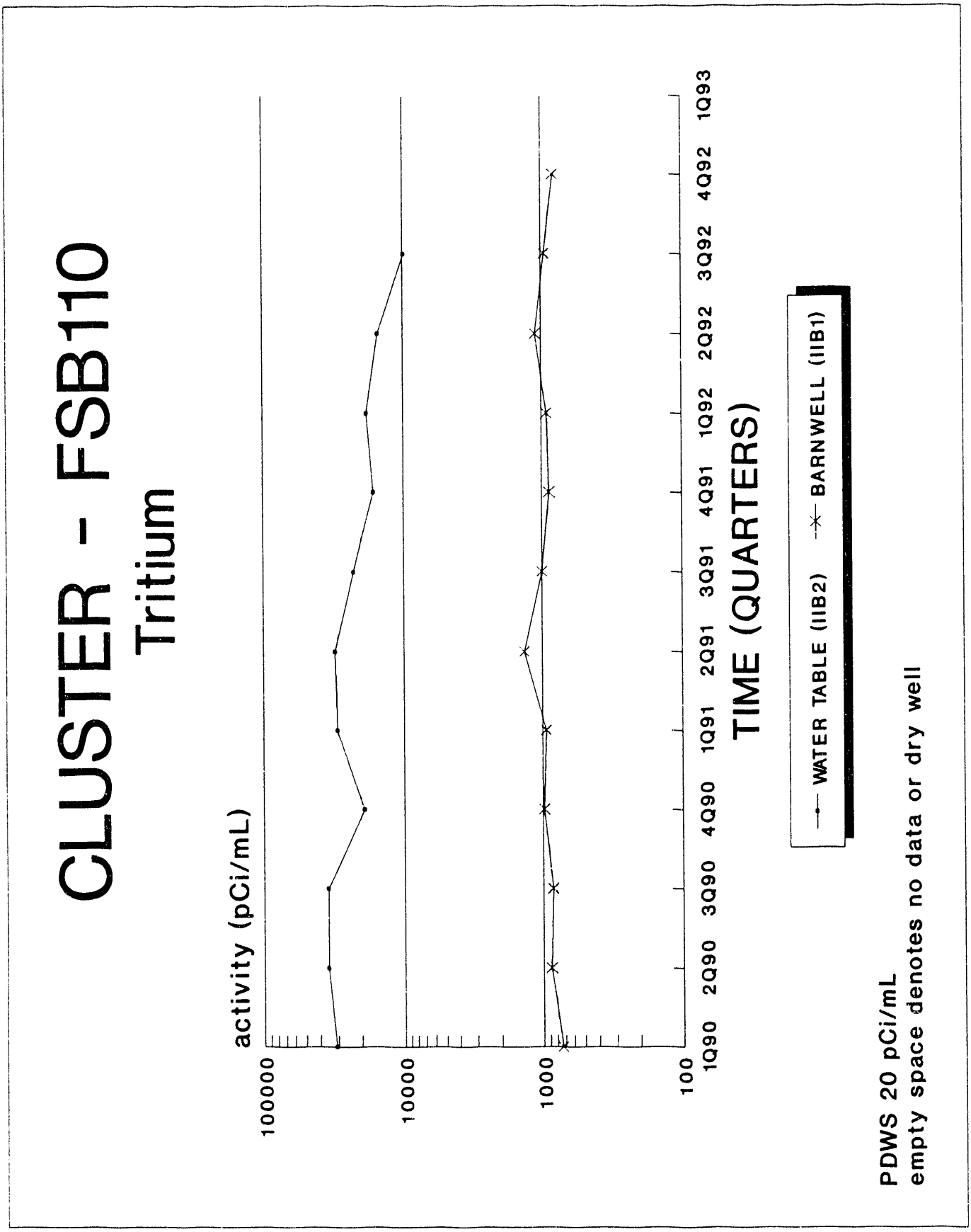

CLUSTER - FSB107
Tritium
activity (pCi/mL)
10000
1000
100
10
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
PDWS 20 pCi/mL
empty space denotes no data or dry well


FSB108D
Tritium
activity (pCi/mL)
100
10
1
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
PDWS 20 pCi/mL
empty space denotes no data or dry well

FSB109D
Tritium

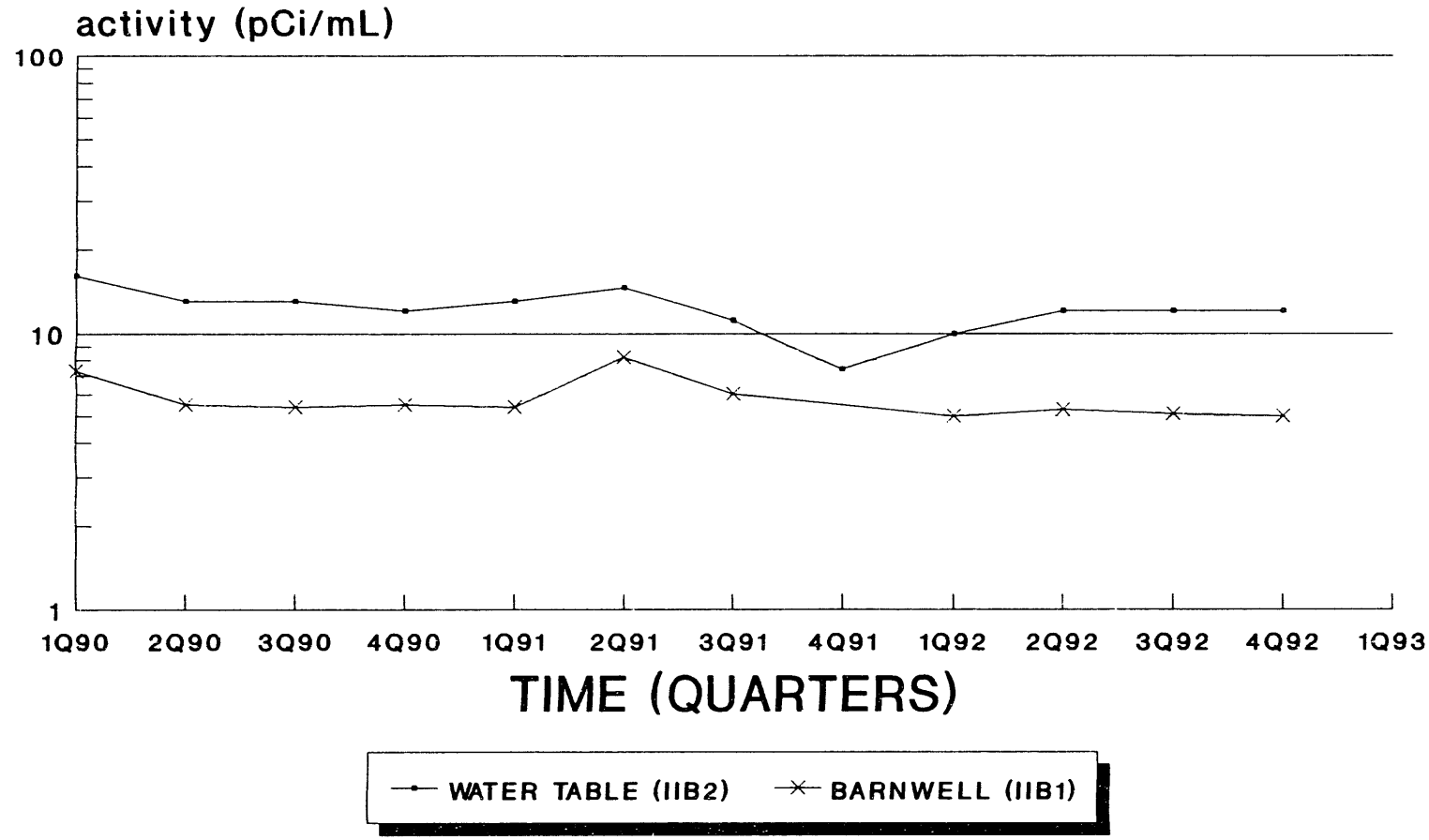


PDWS 20 pCi/mL
empty space denotes no data or dry well


CLUSTER - FSB110
Tritium
activity (pCi/mL)
100000
10000
1000
100
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB111

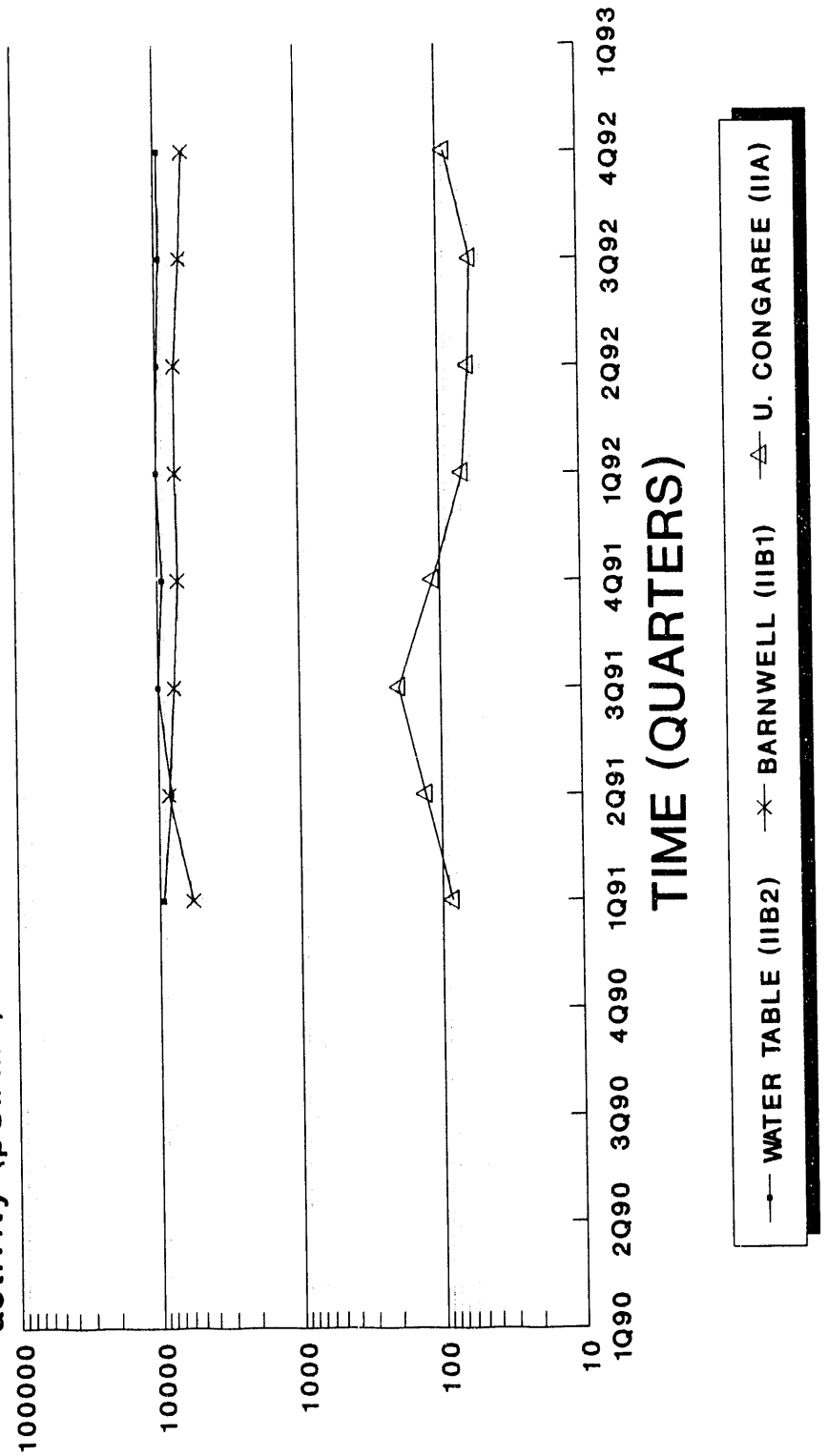
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB112

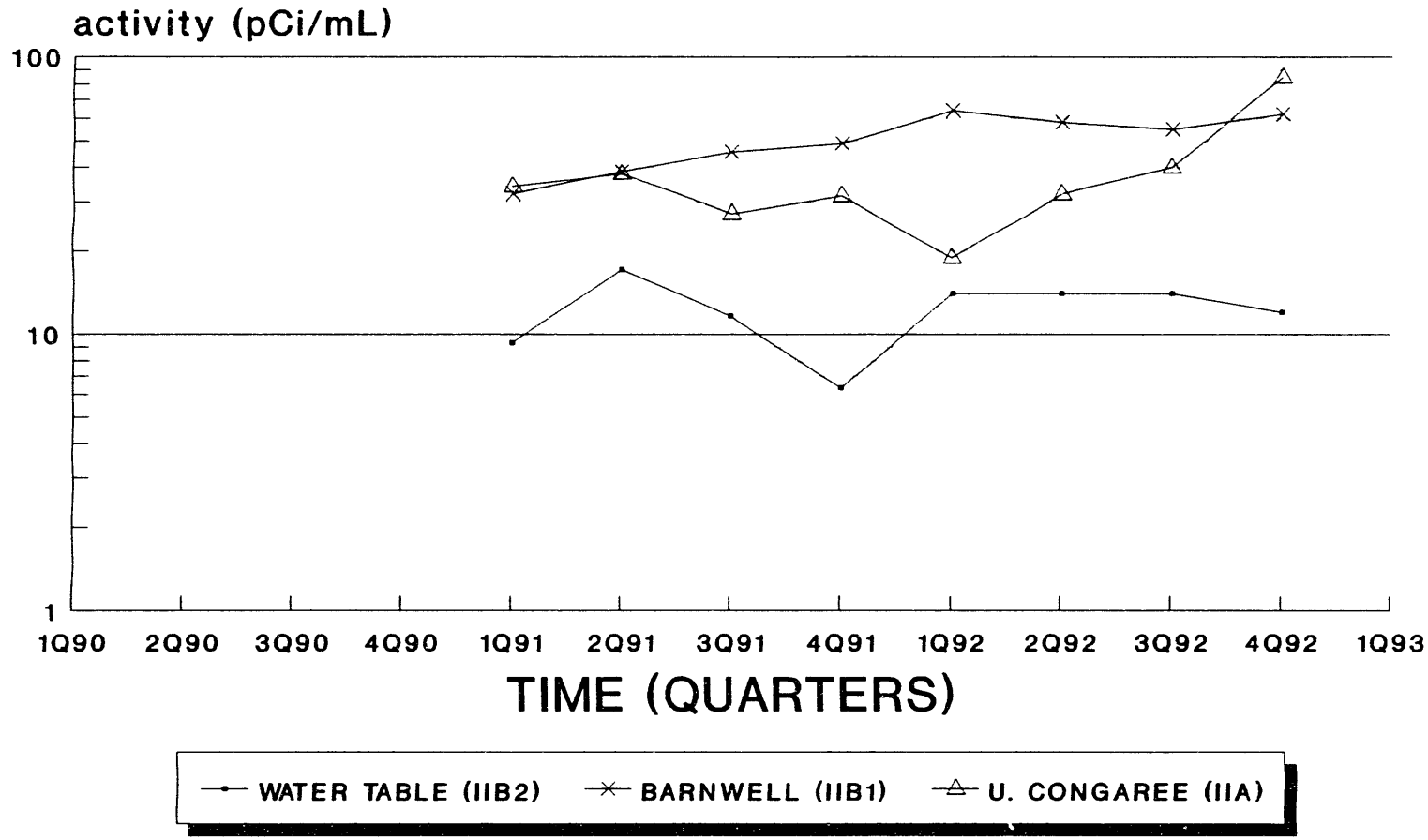
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB113

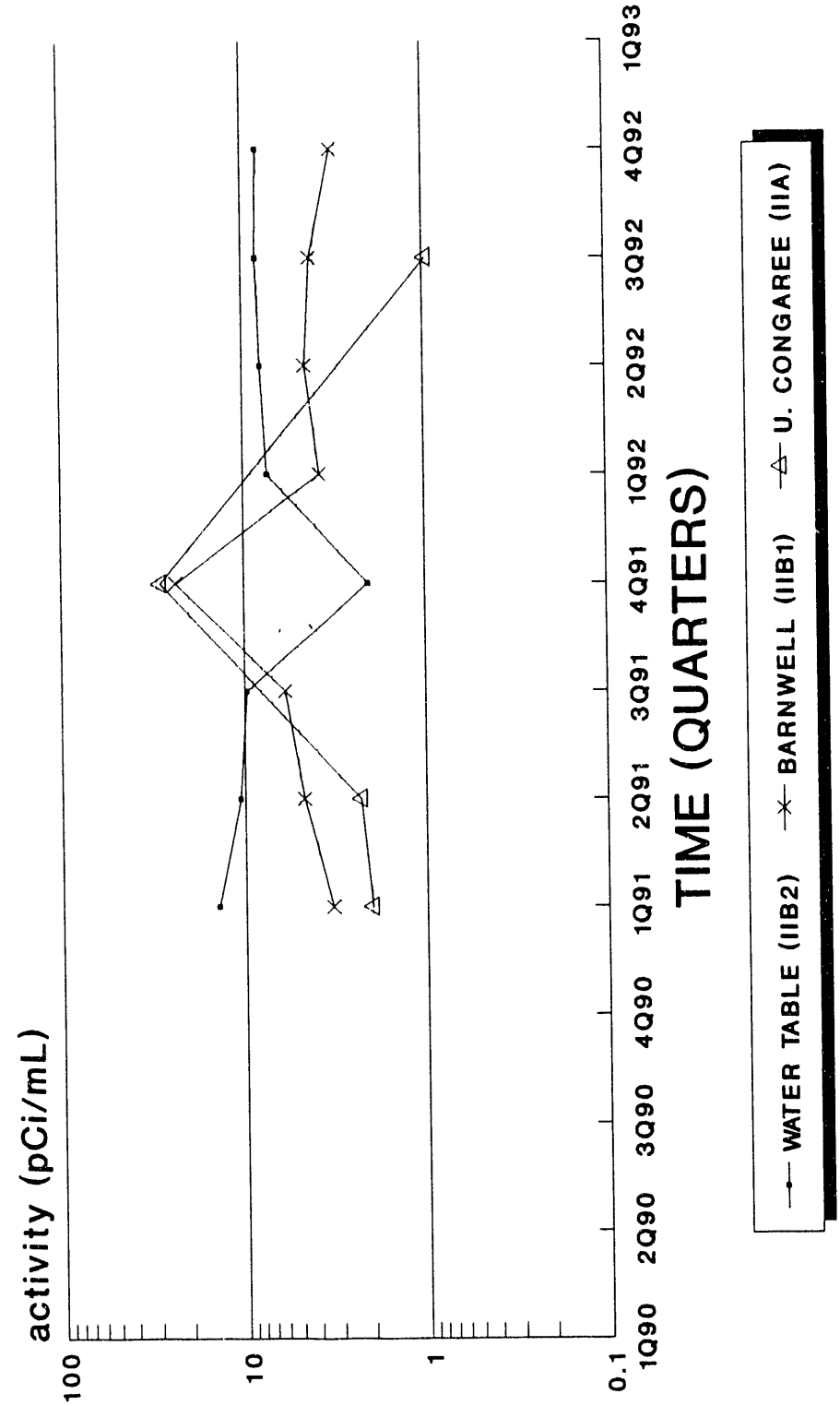
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB114

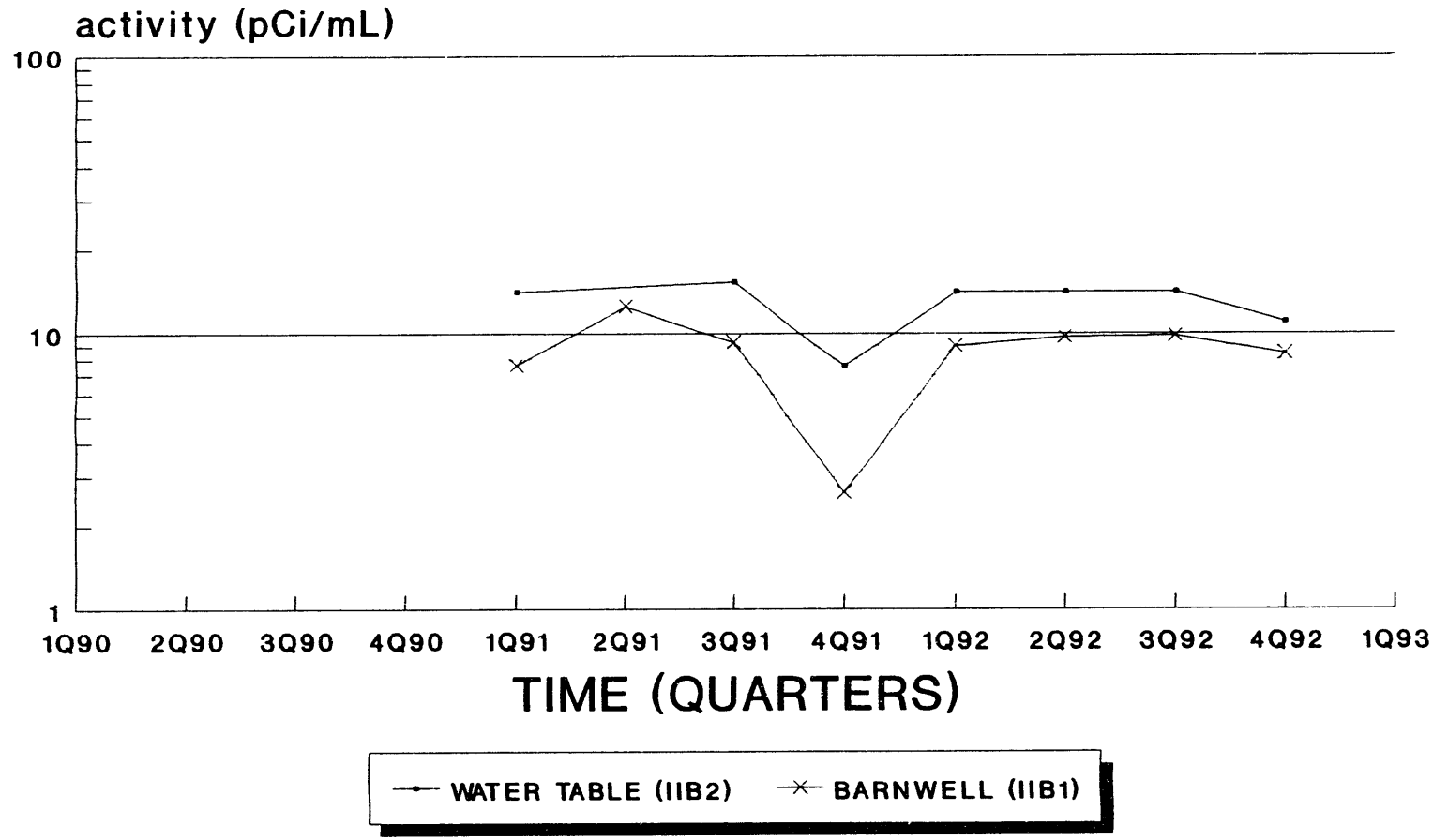
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB115

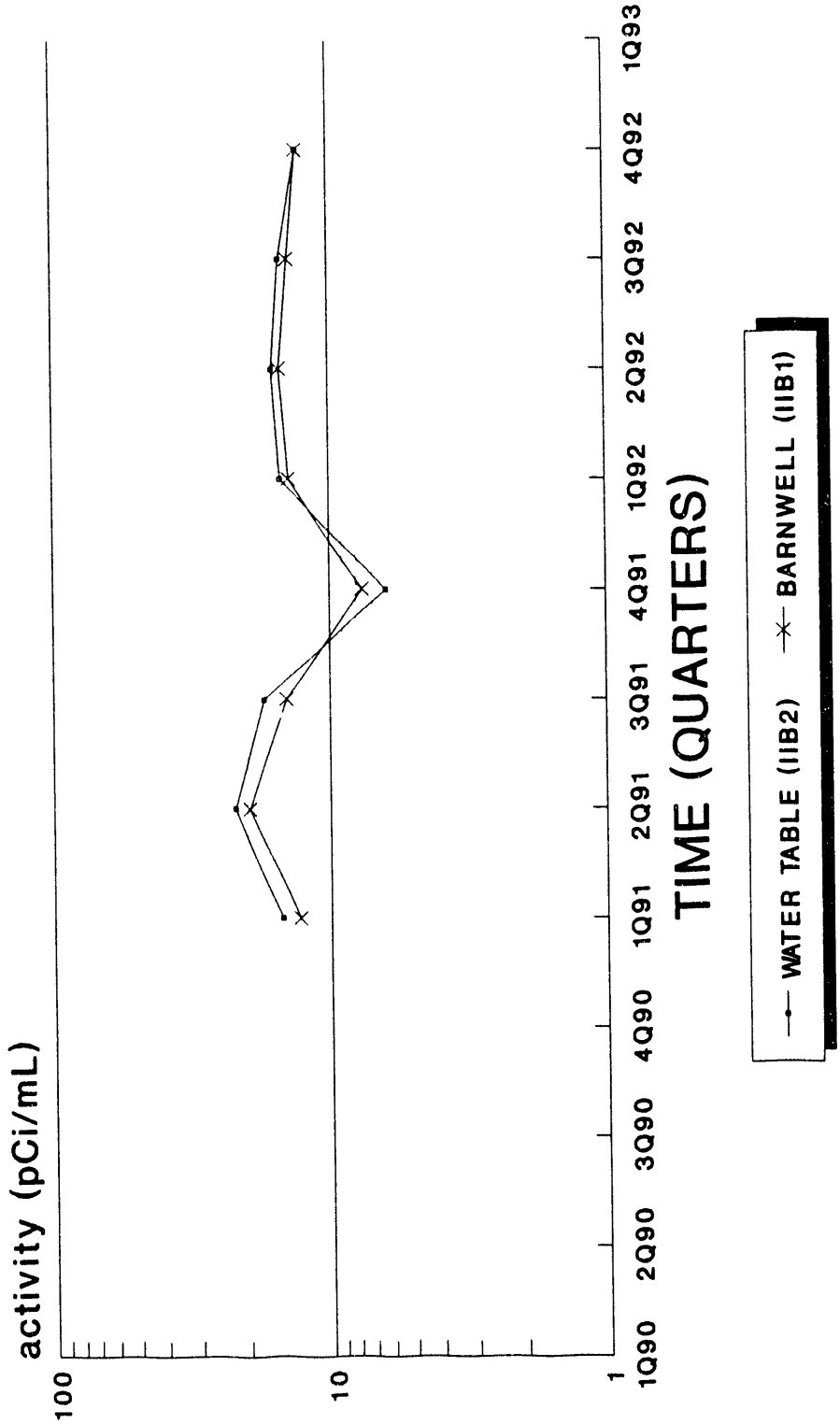
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

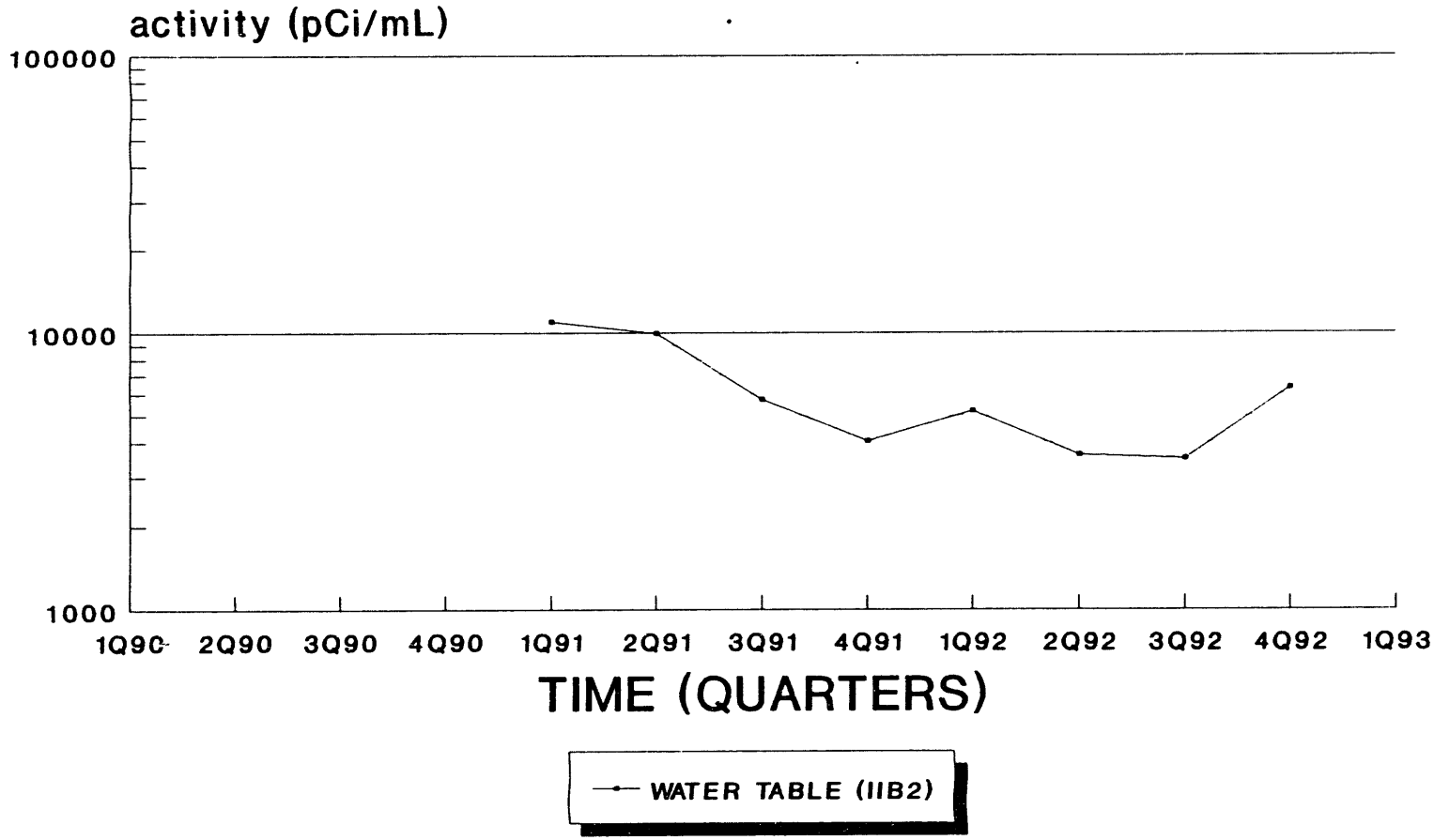
CLUSTER - FSB116

Tritium

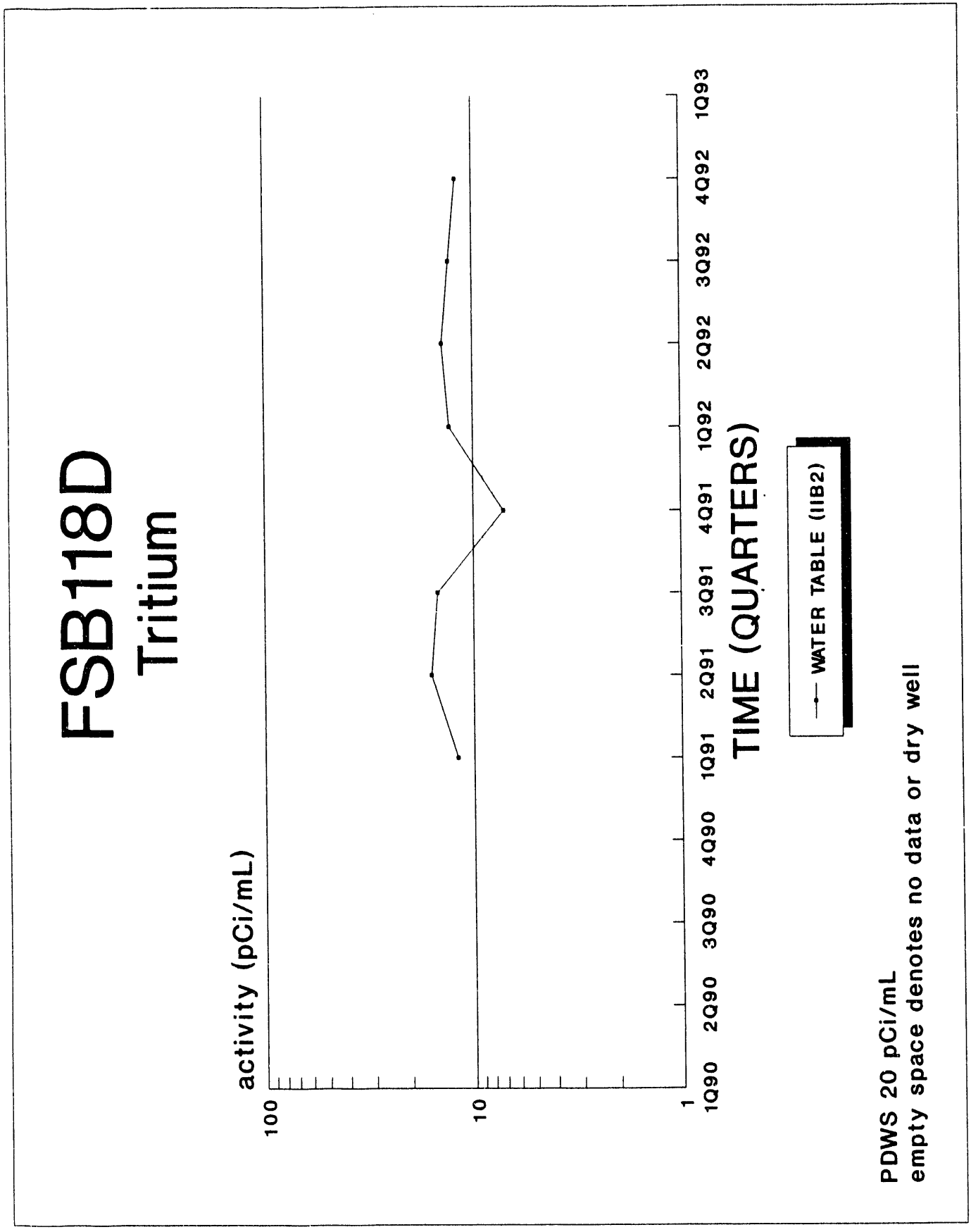


PDWS 20 pCi/mL
empty space denotes no data or dry well

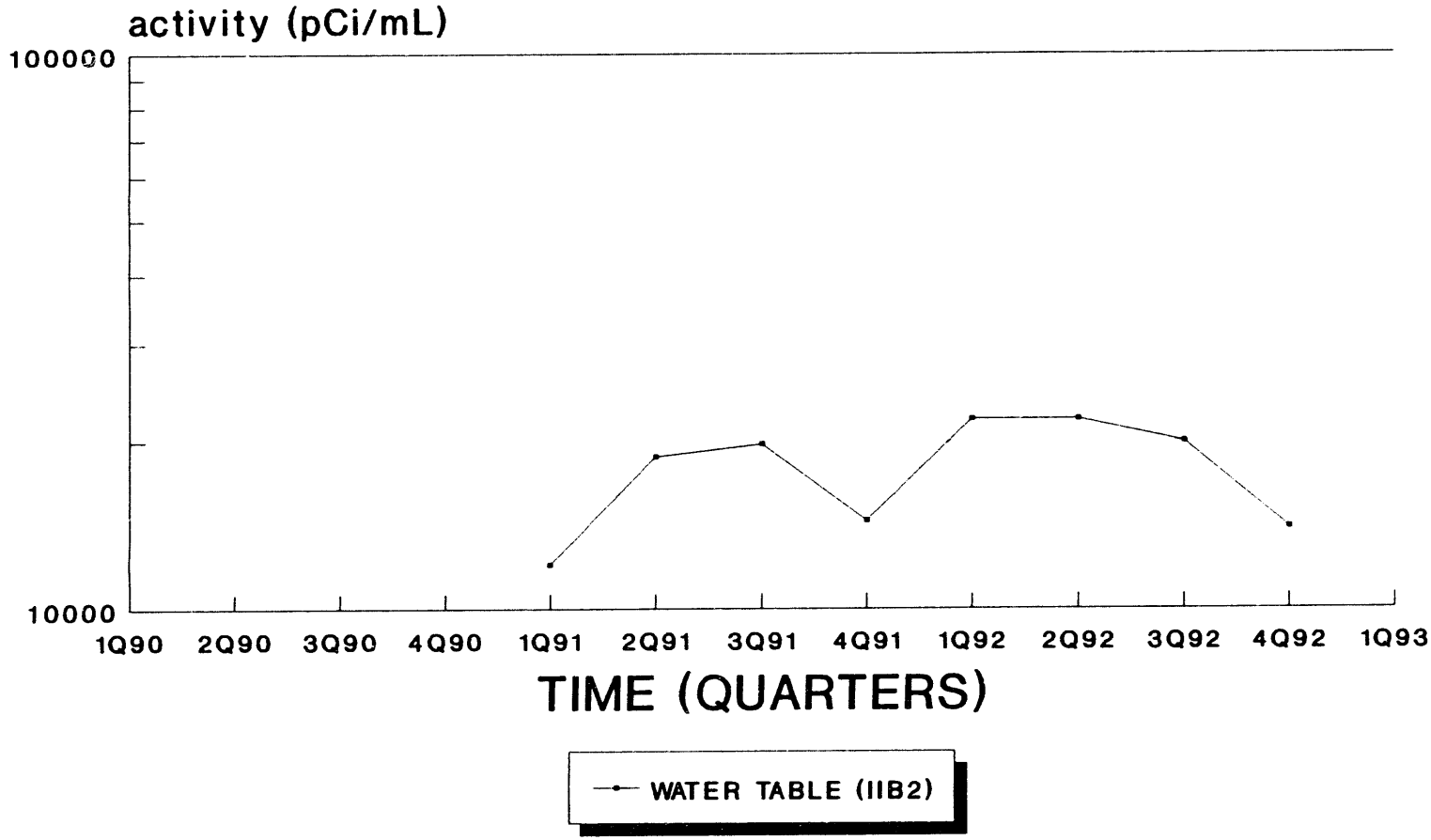
FSB117D
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well


FSB118D
Tritium
activity (pCi/mL)
100
10
1
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
PDWS 20 pCi/mL
empty space denotes no data or dry well

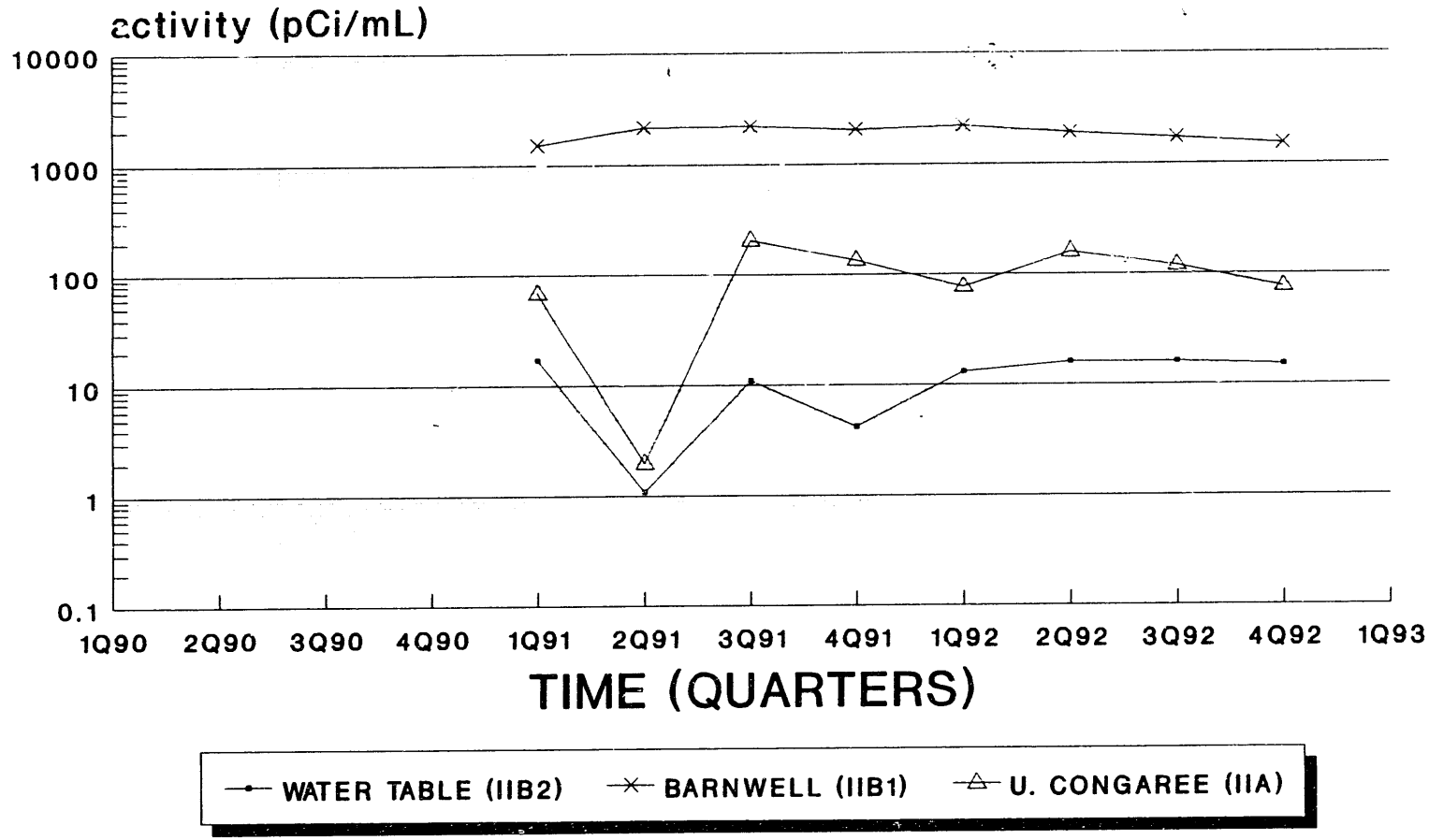
FSB119D
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB120

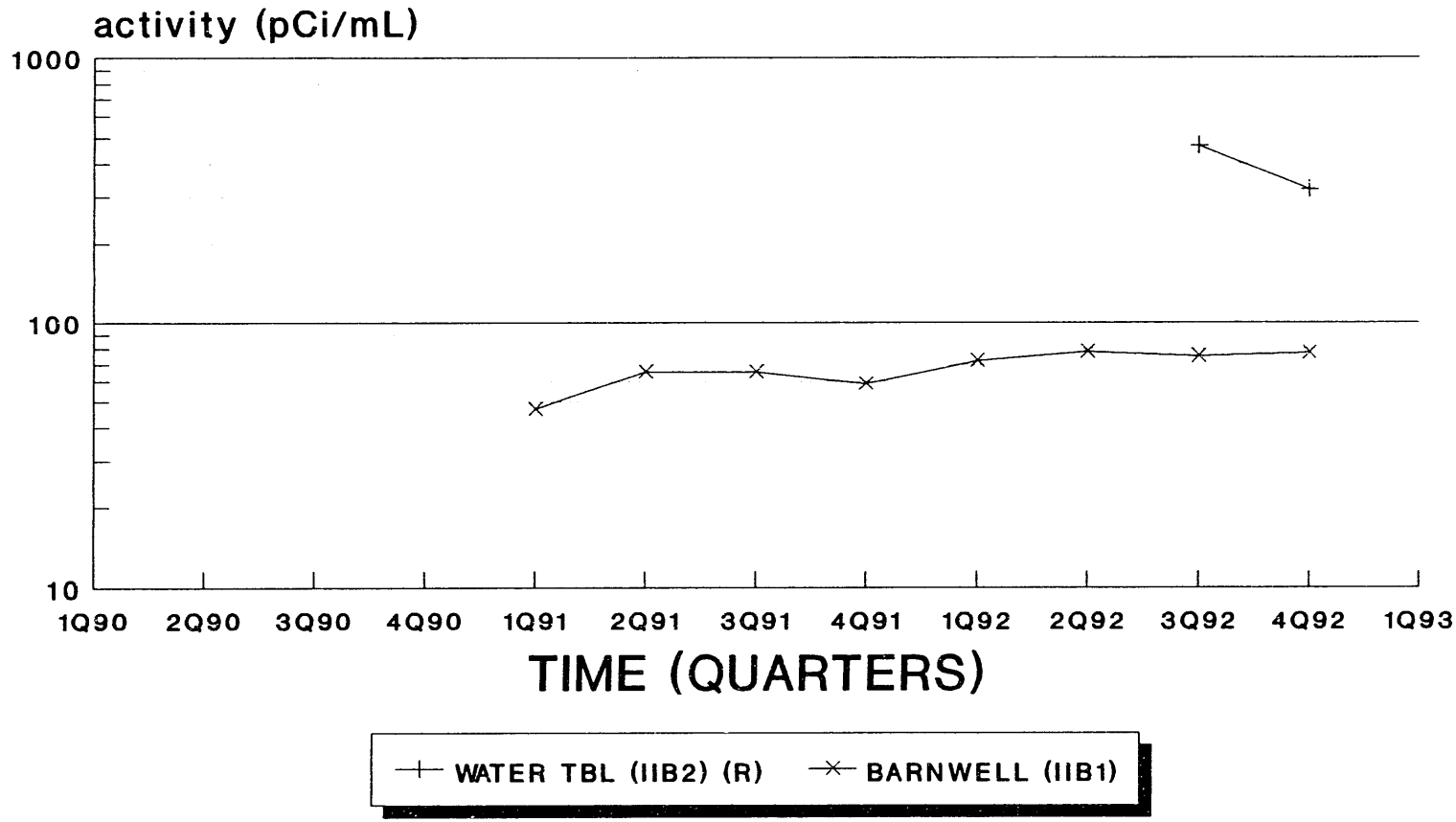
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - FSB121

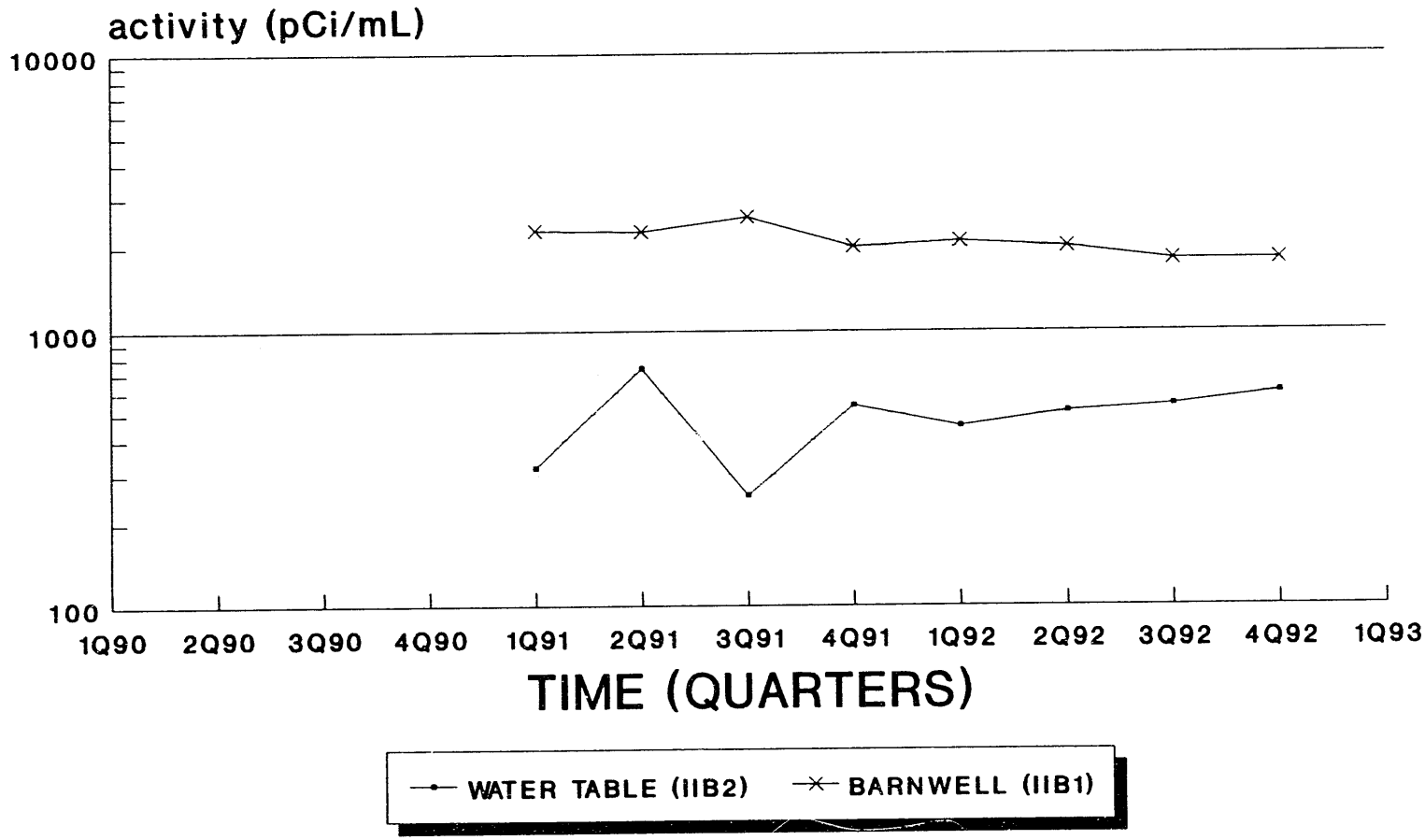
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well
(R) denotes a replacement well

CLUSTER - FSB122

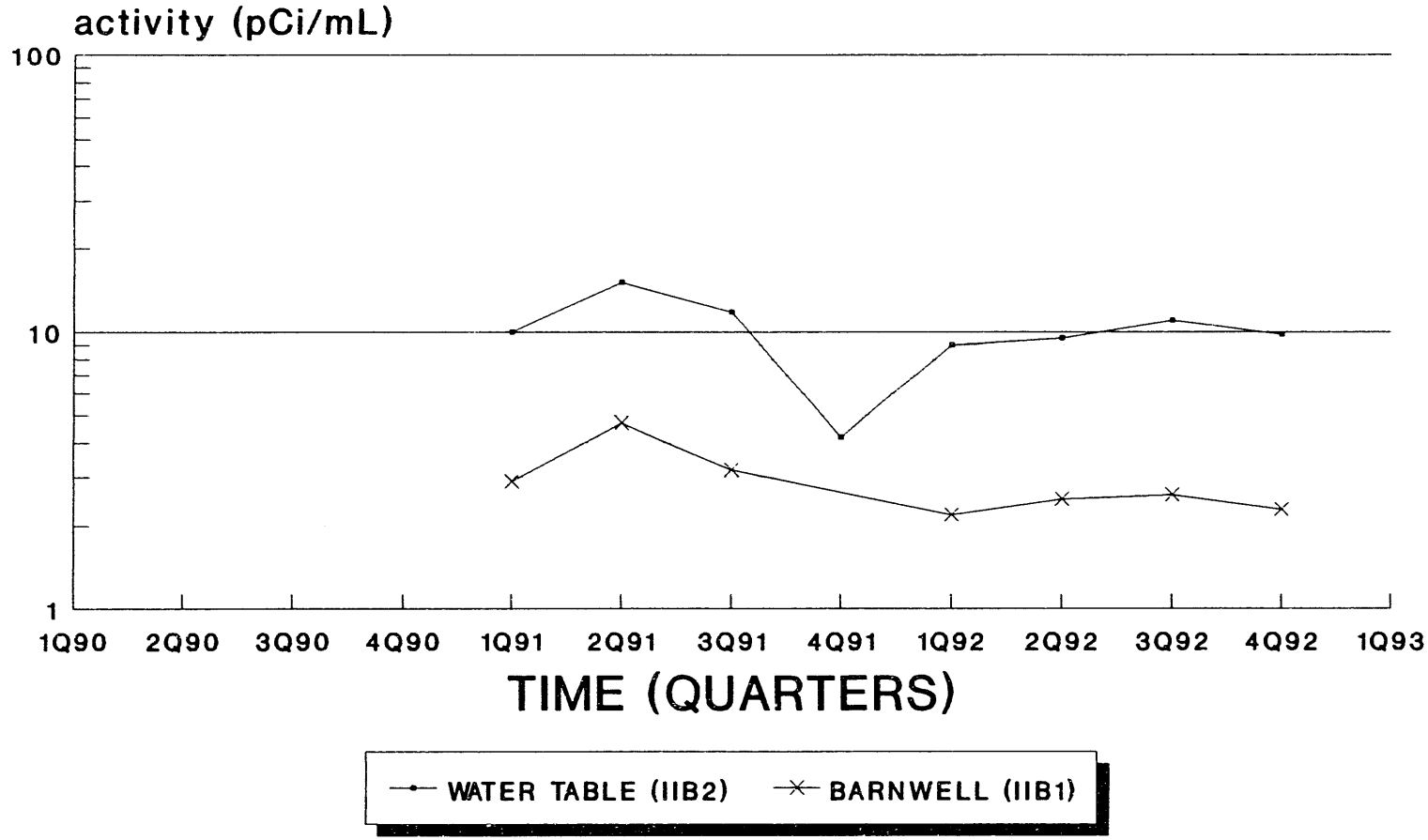
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

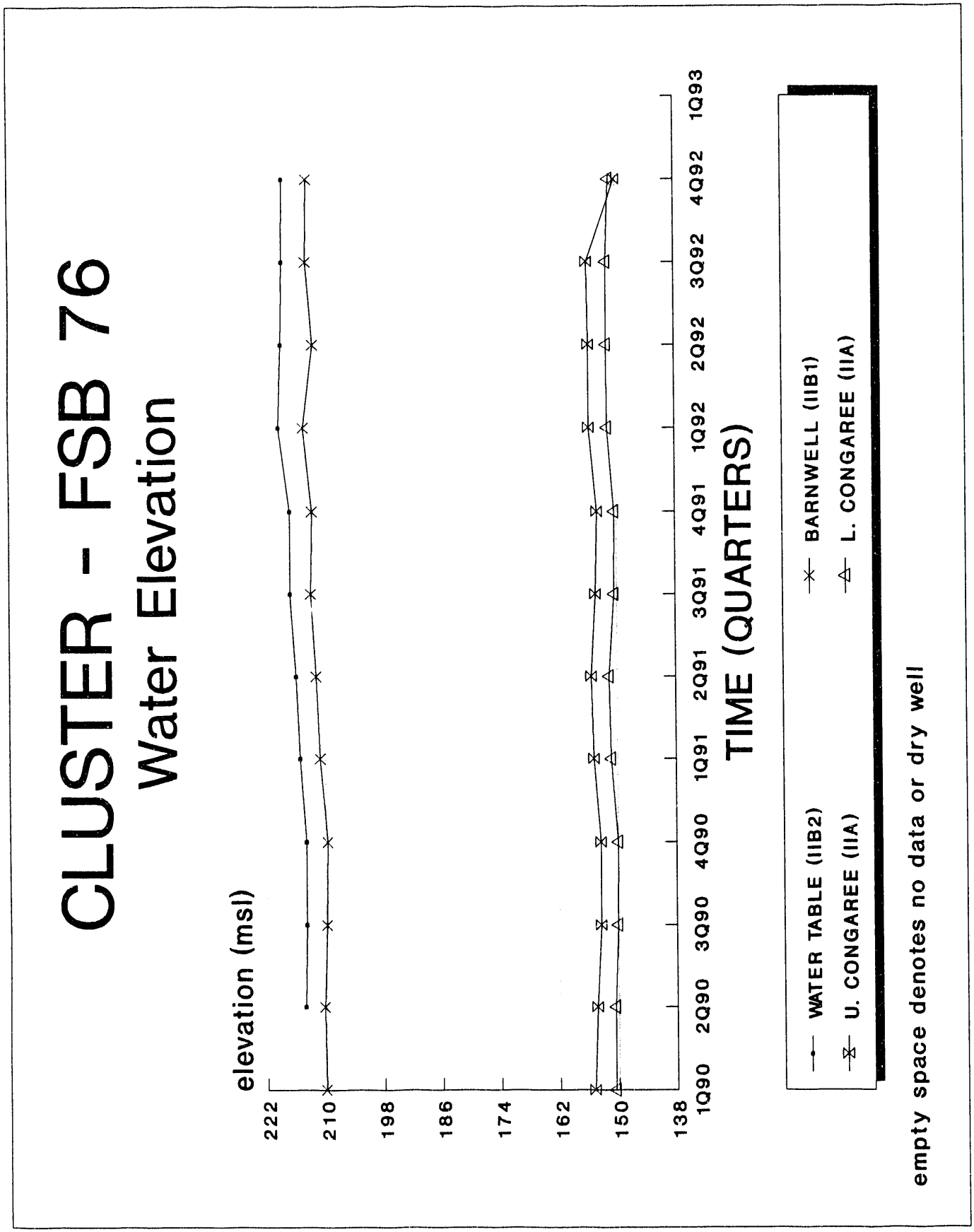
CLUSTER - FSB123

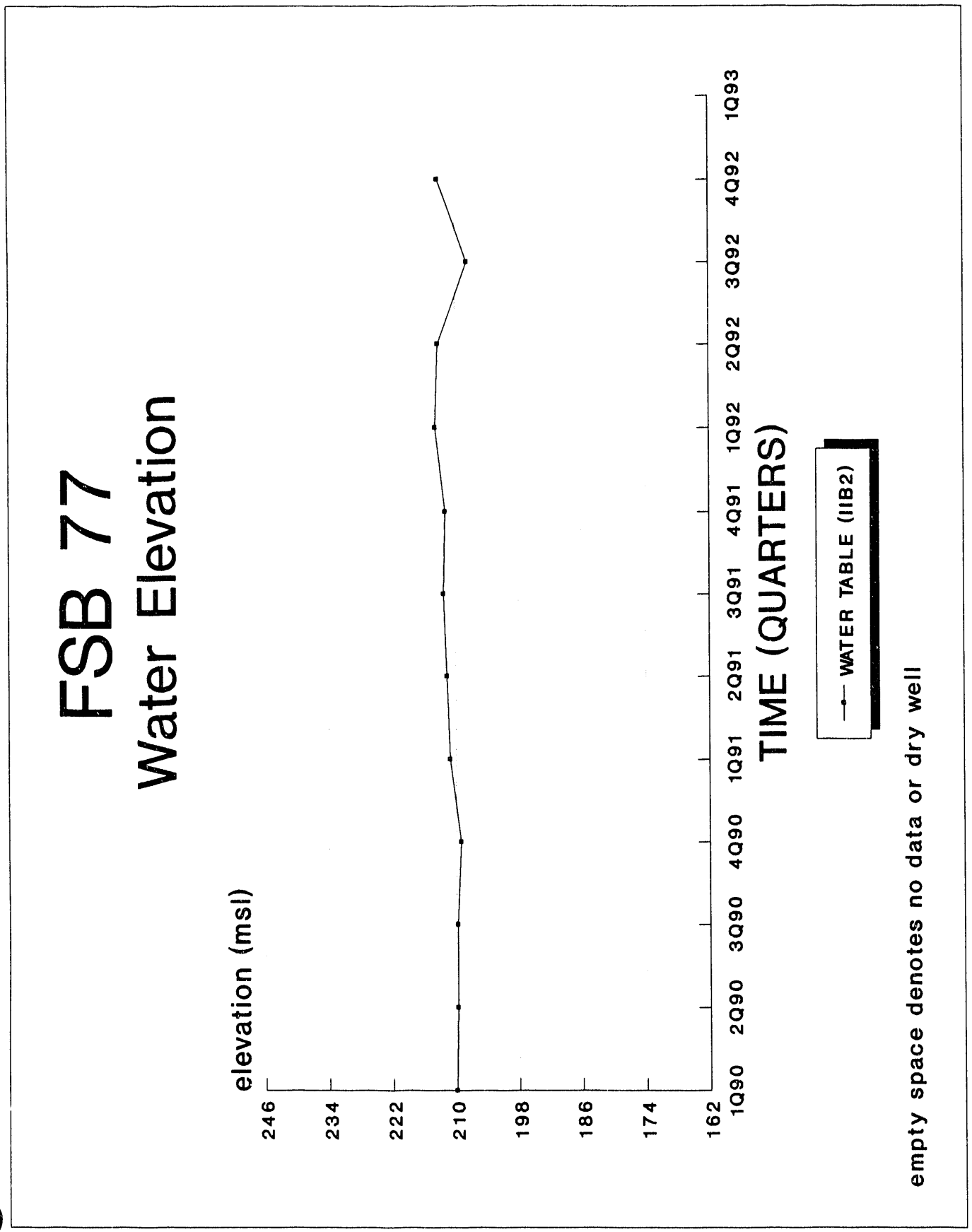
Tritium

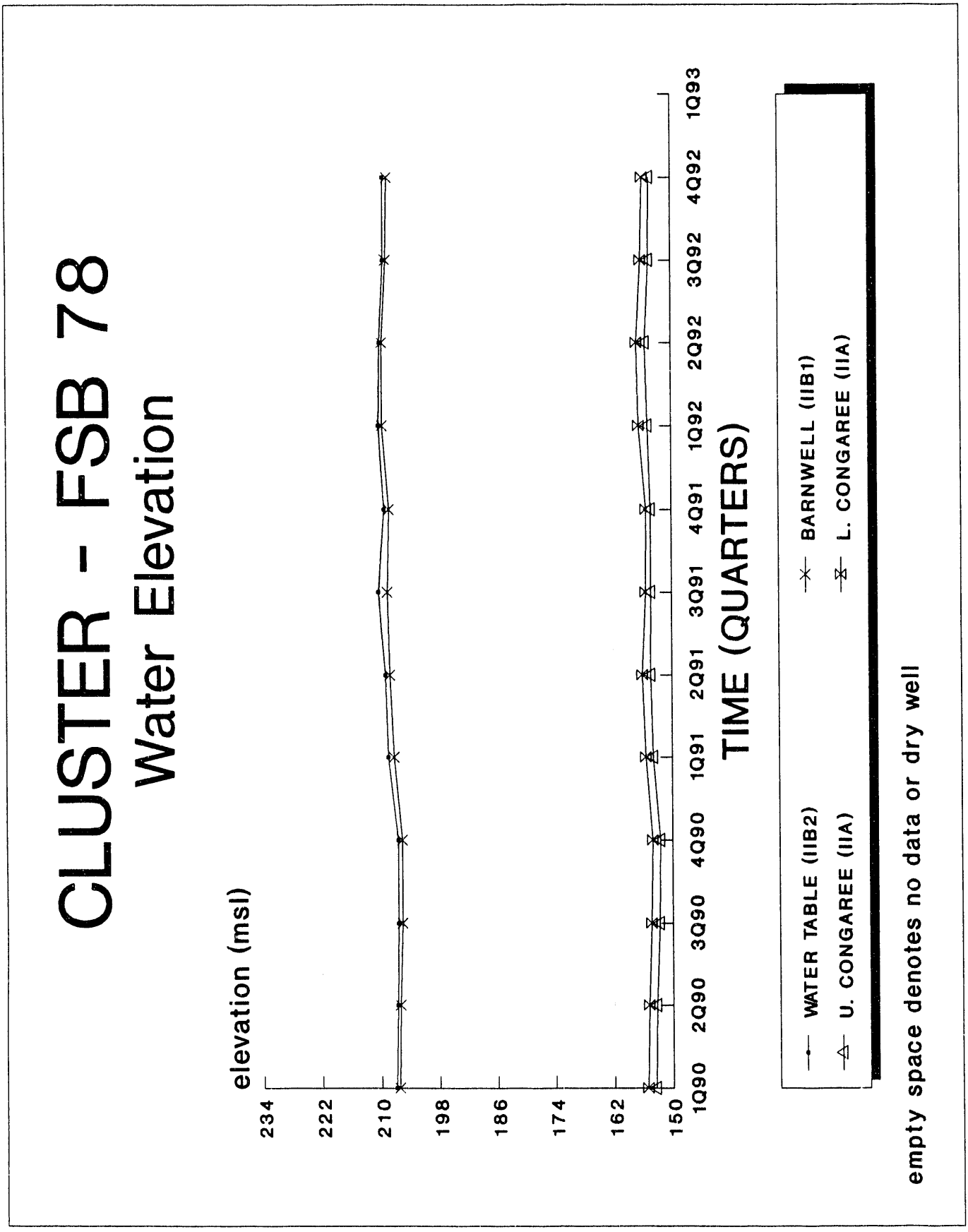


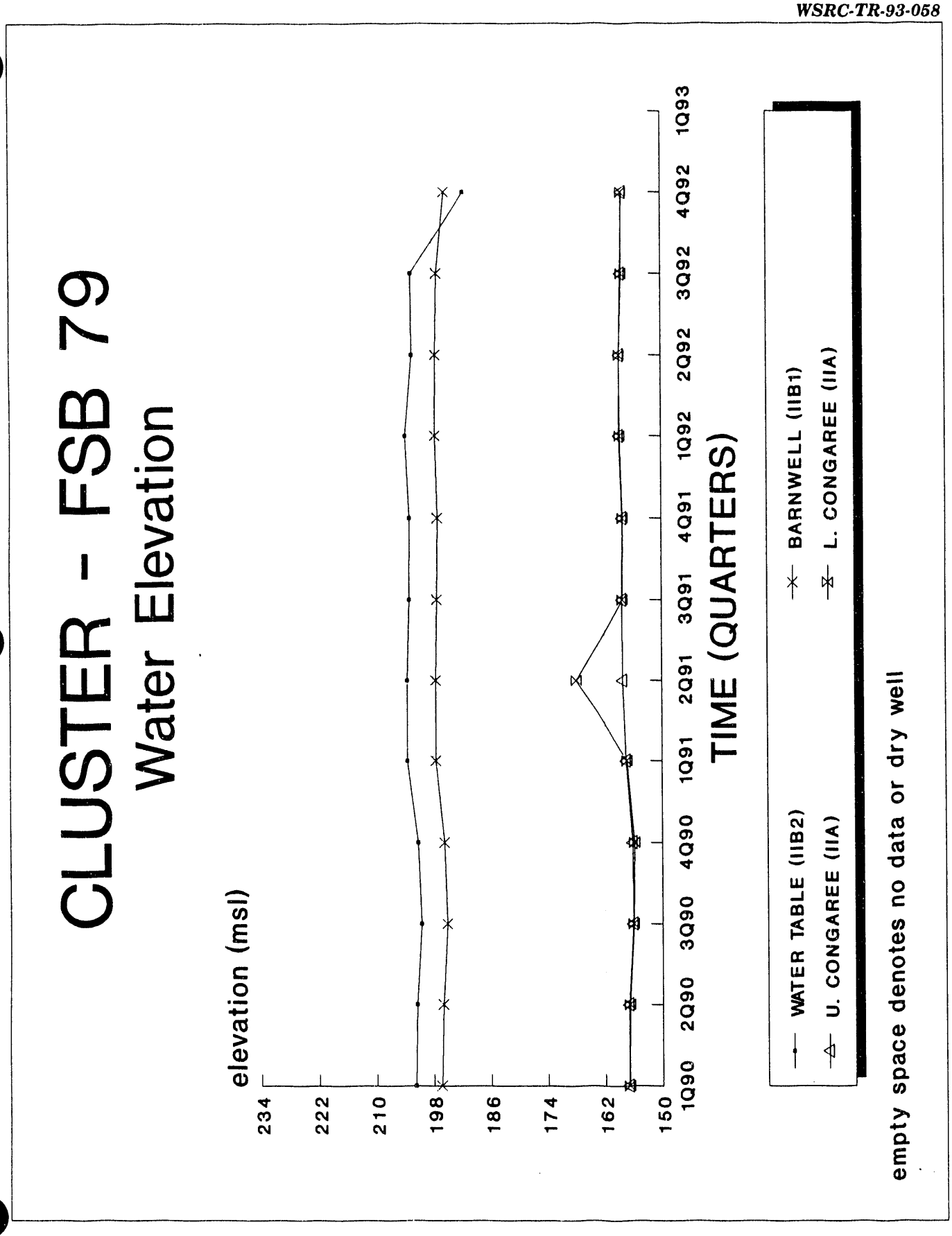
PDWS 20 pCi/mL
empty space denotes no data or dry well

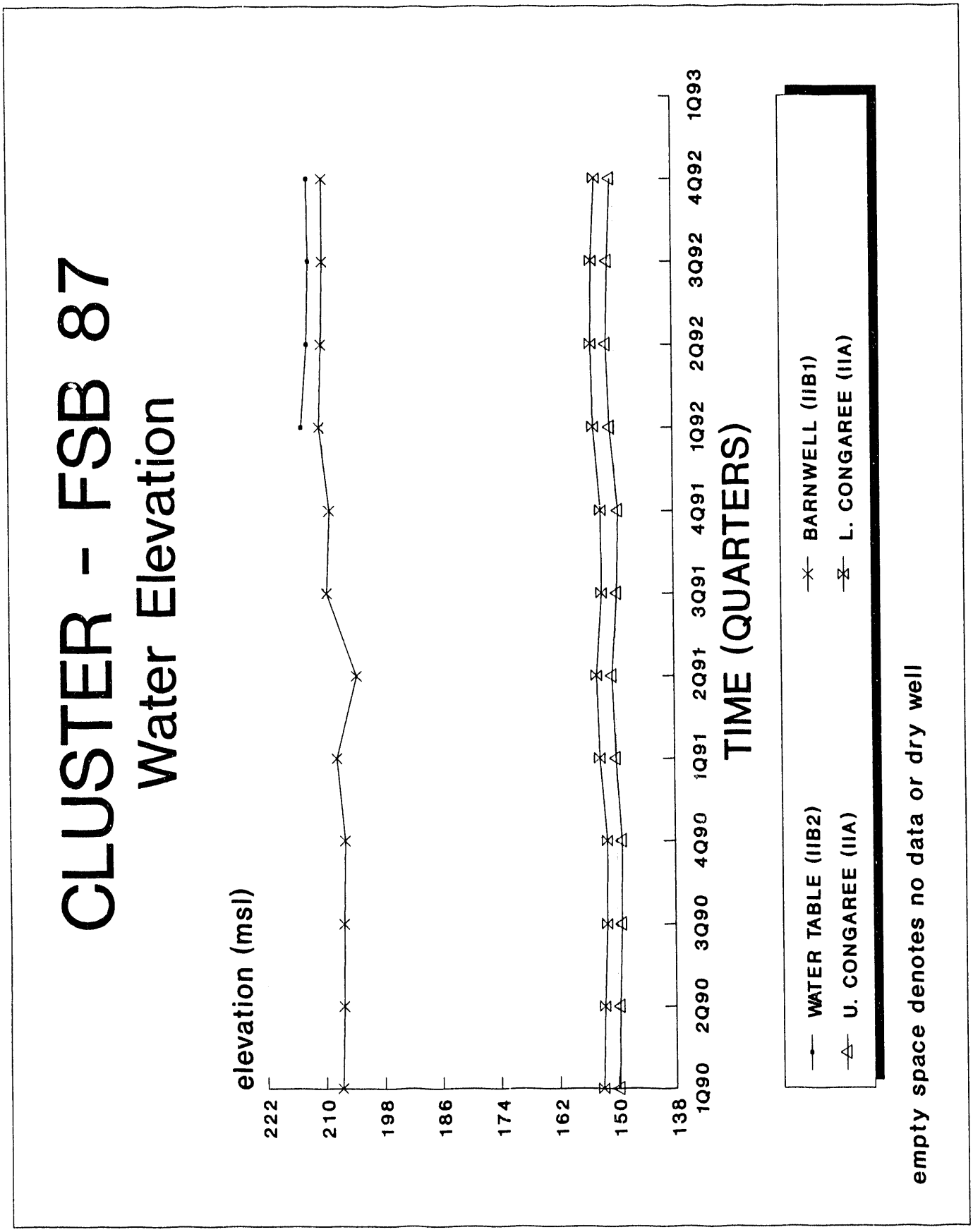
Appendix G – Hydrographs


CLUSTER - FSB 76
Water Elevation
elevation (msl)
222
210
198
186
174
162
150
138
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
U. CONGAREE (IIA)
BARNWELL (IIB1)
L. CONGAREE (IIA)
empty space denotes no data or dry well


FSB 77
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
empty space denotes no data or dry well

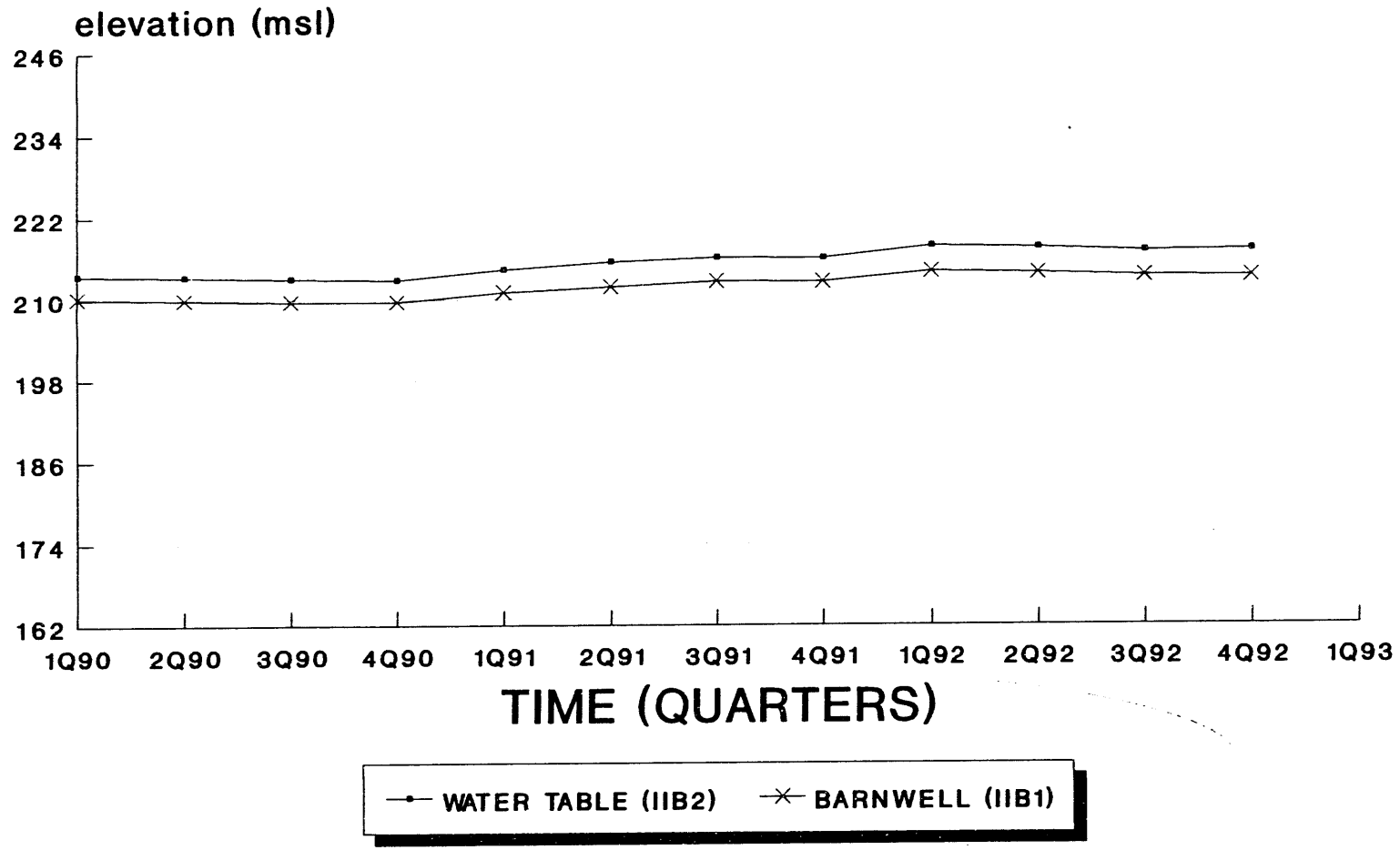

CLUSTER - FSB 78
Water Elevation
elevation (msl)
234
222
210
198
186
174
162
150
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
U. CONGAREE (IIA)
BARNWELL (IIB1)
L. CONGAREE (IIA)
empty space denotes no data or dry well


CLUSTER - FSB 79
Water Elevation
elevation (msl)
234
222
210
198
186
174
162
150
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
U. CONGAREE (IIA)
BARNWELL (IIB1)
L. CONGAREE (IIA)
empty space denotes no data or dry well

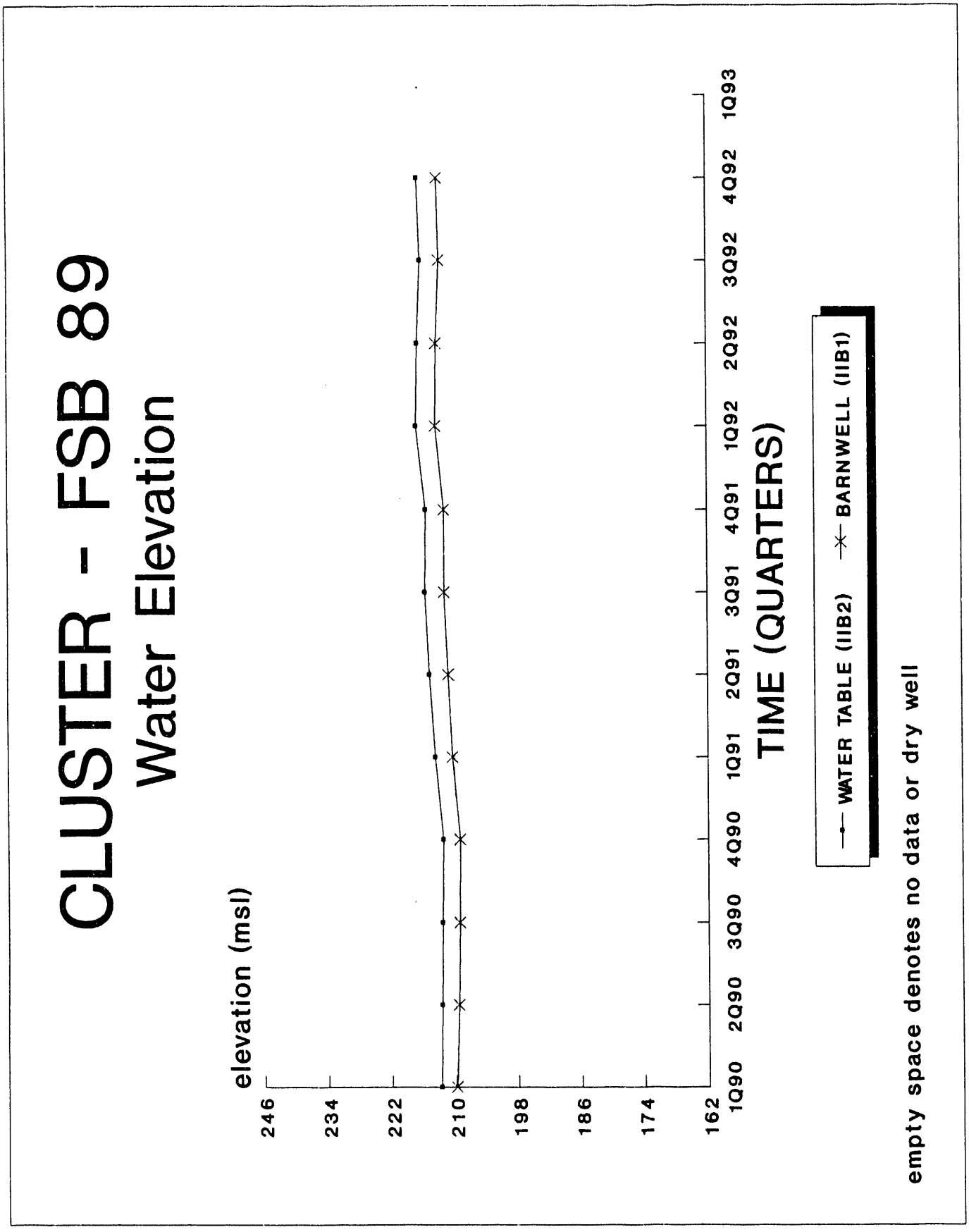

CLUSTER - FSB 87
Water Elevation
elevation (msl)
222
210
198
186
174
162
150
138
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
U. CONGAREE (IIA)
BARNWELL (IIB1)
L. CONGAREE (IIA)
empty space denotes no data or dry well

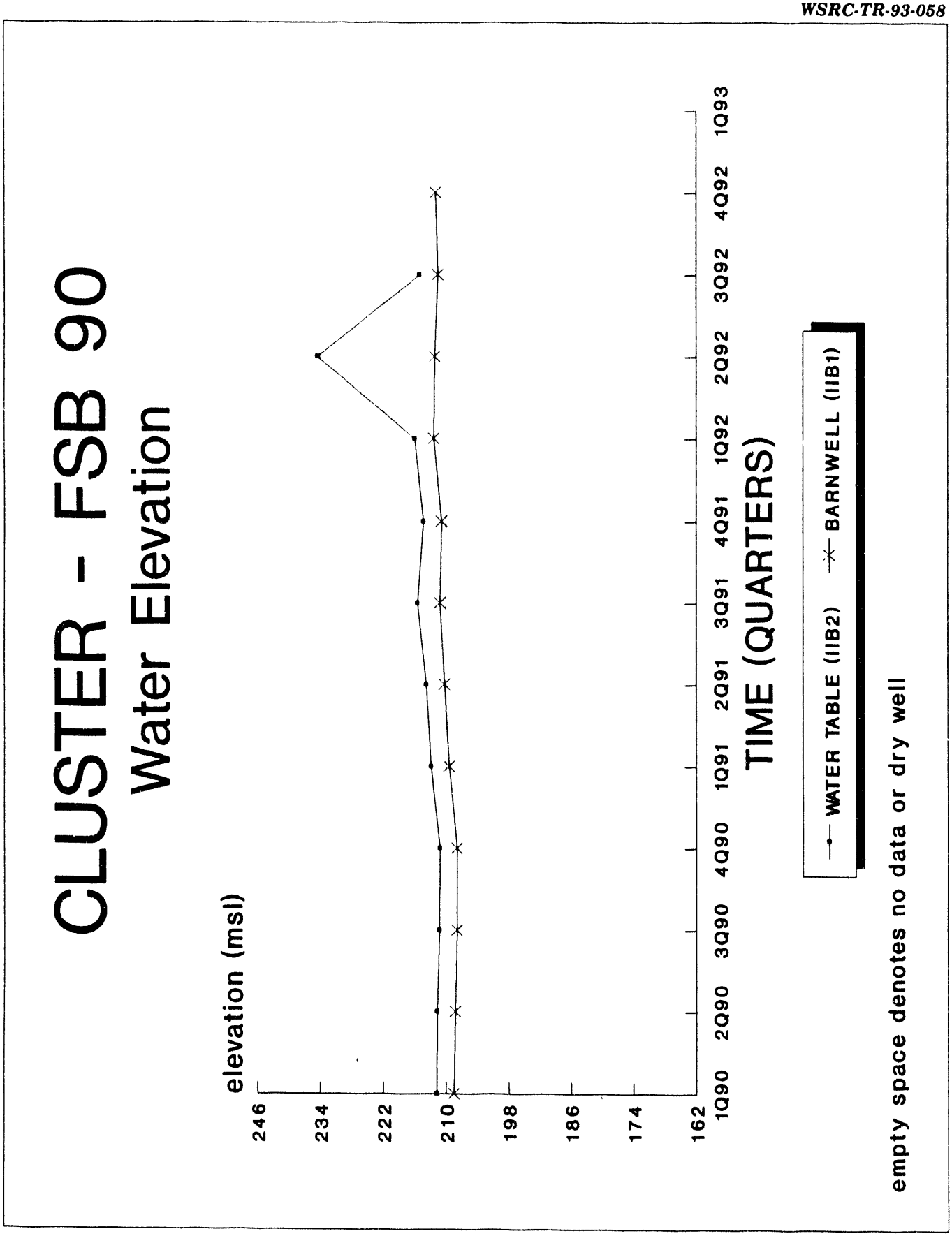
CLUSTER - FSB 88

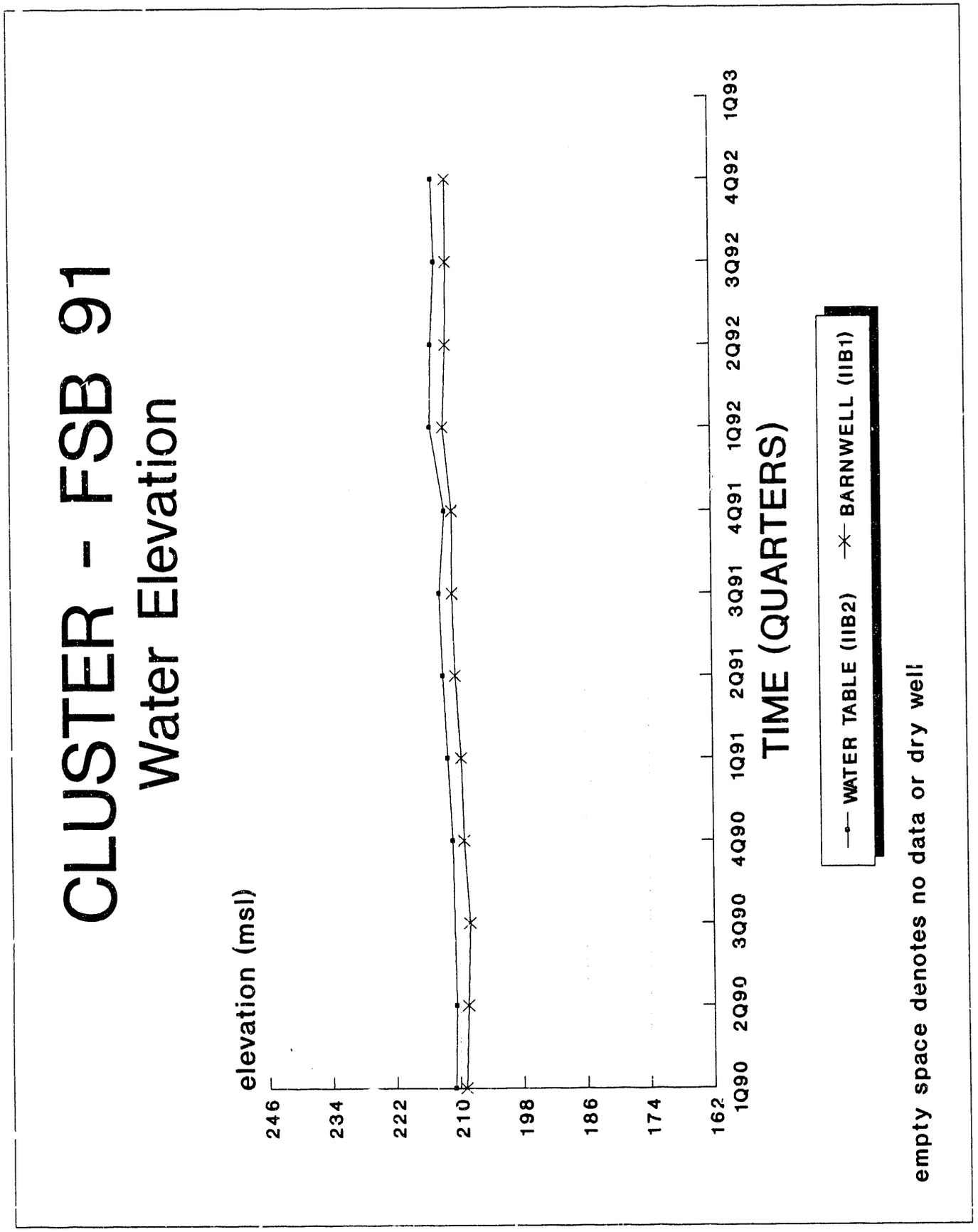
Water Elevation

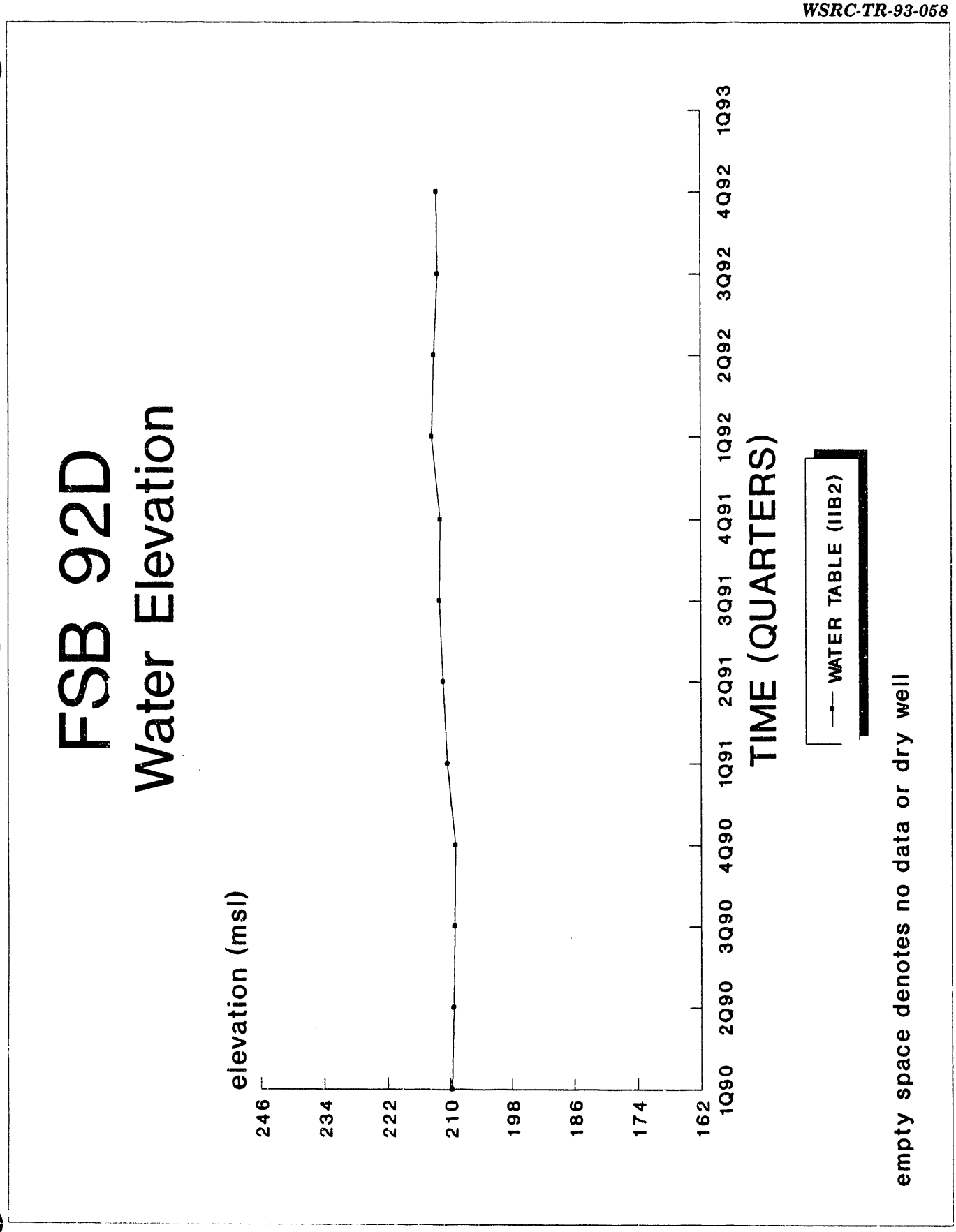


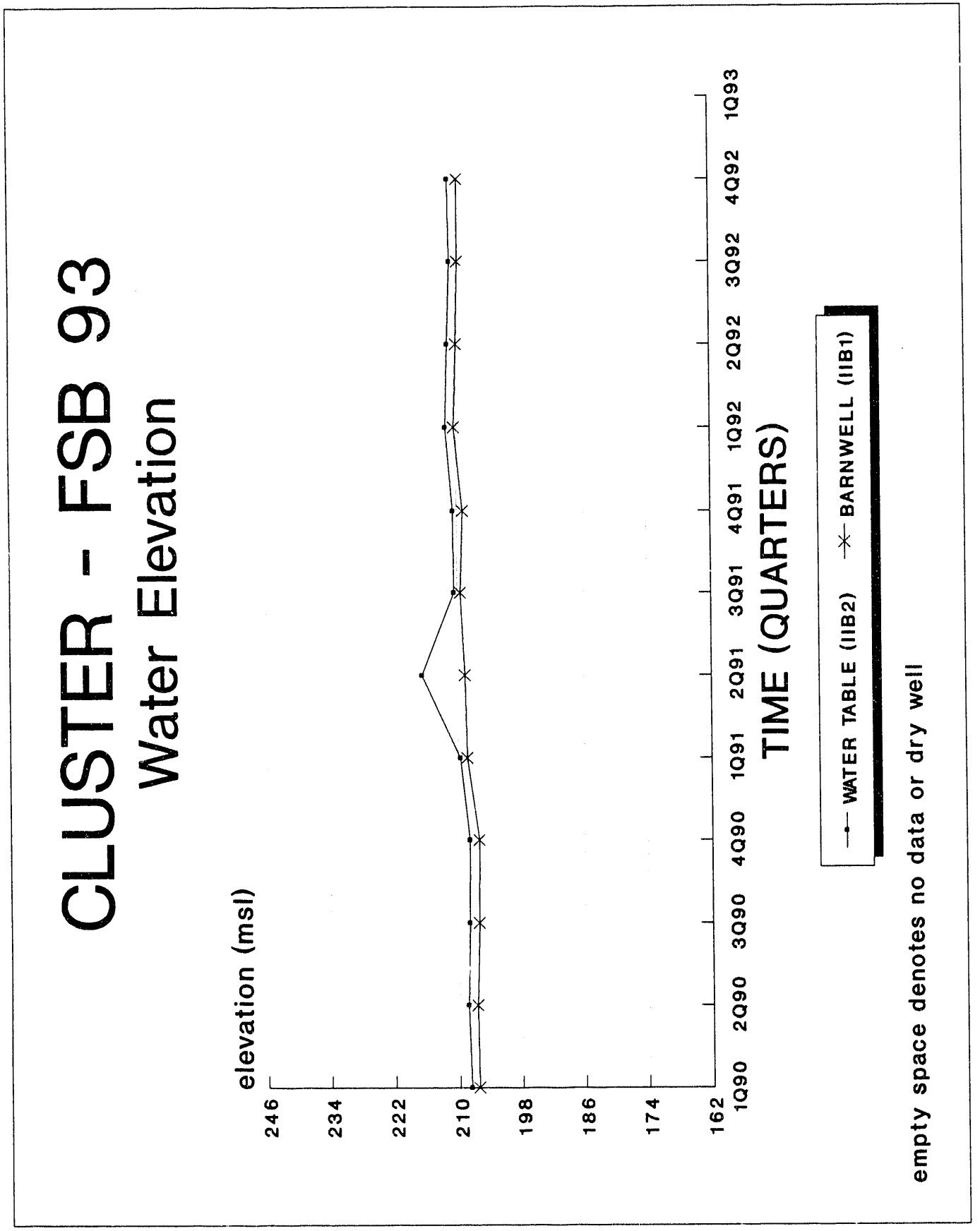
empty space denotes no data or dry well


CLUSTER - FSB 89
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
empty space denotes no data or dry well


CLUSTER - FSB 90
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
empty space denotes no data or dry well

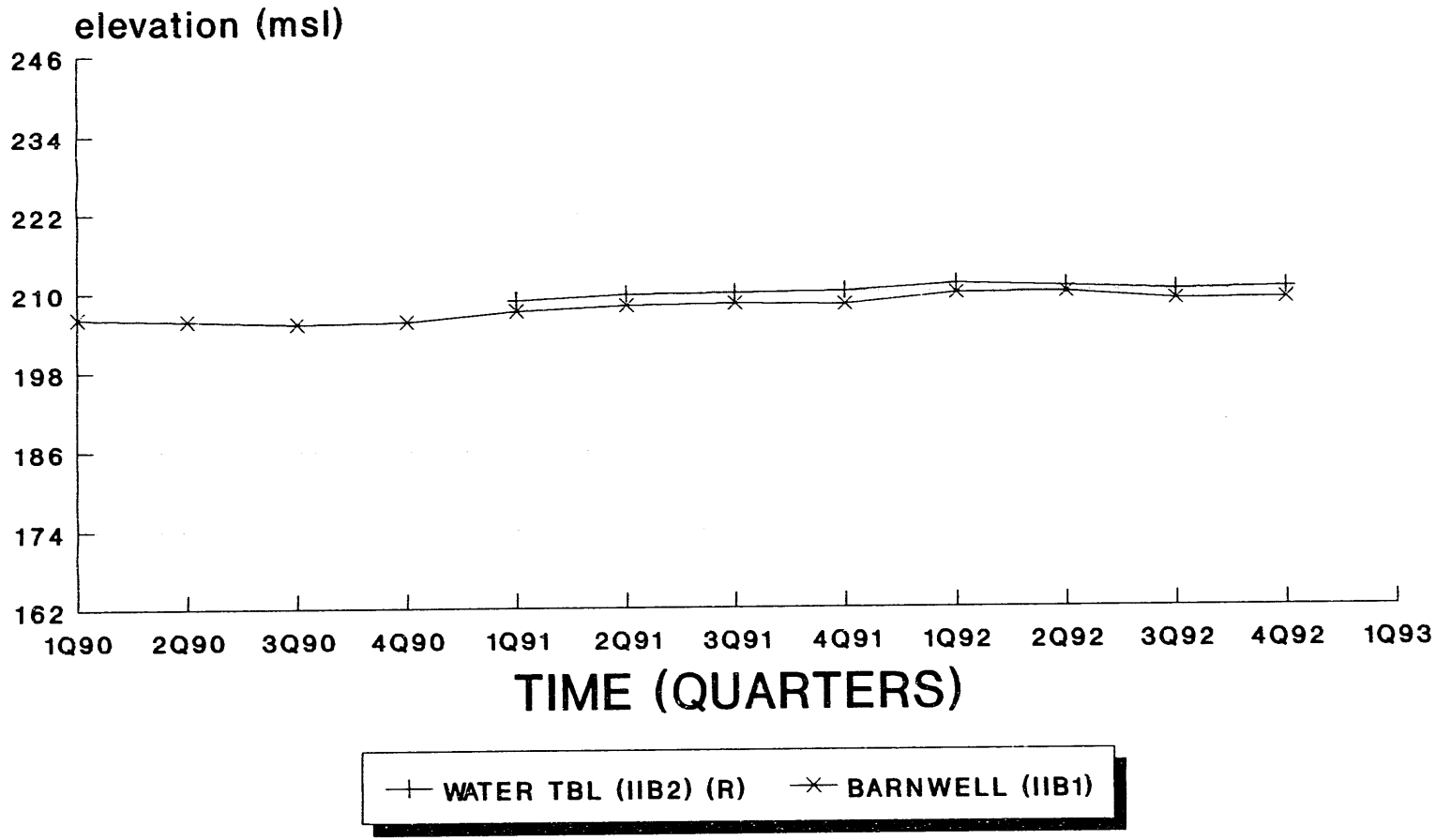

CLUSTER - FSB 91
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
empty space denotes no data or dry well


FSB 92D
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
empty space denotes no data or dry well


CLUSTER - FSB 93
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
empty space denotes no data or dry well

CLUSTER - FSB 94

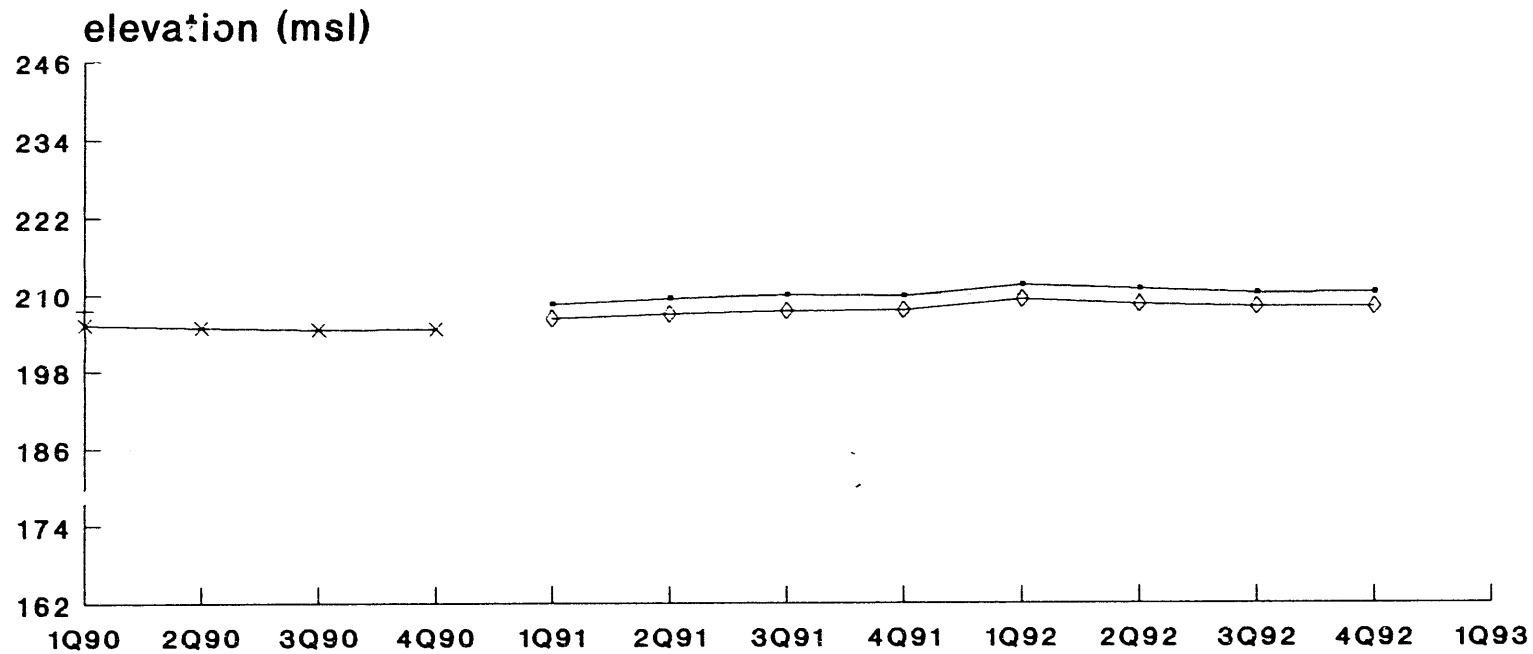
Water Elevation



empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - FSB 95

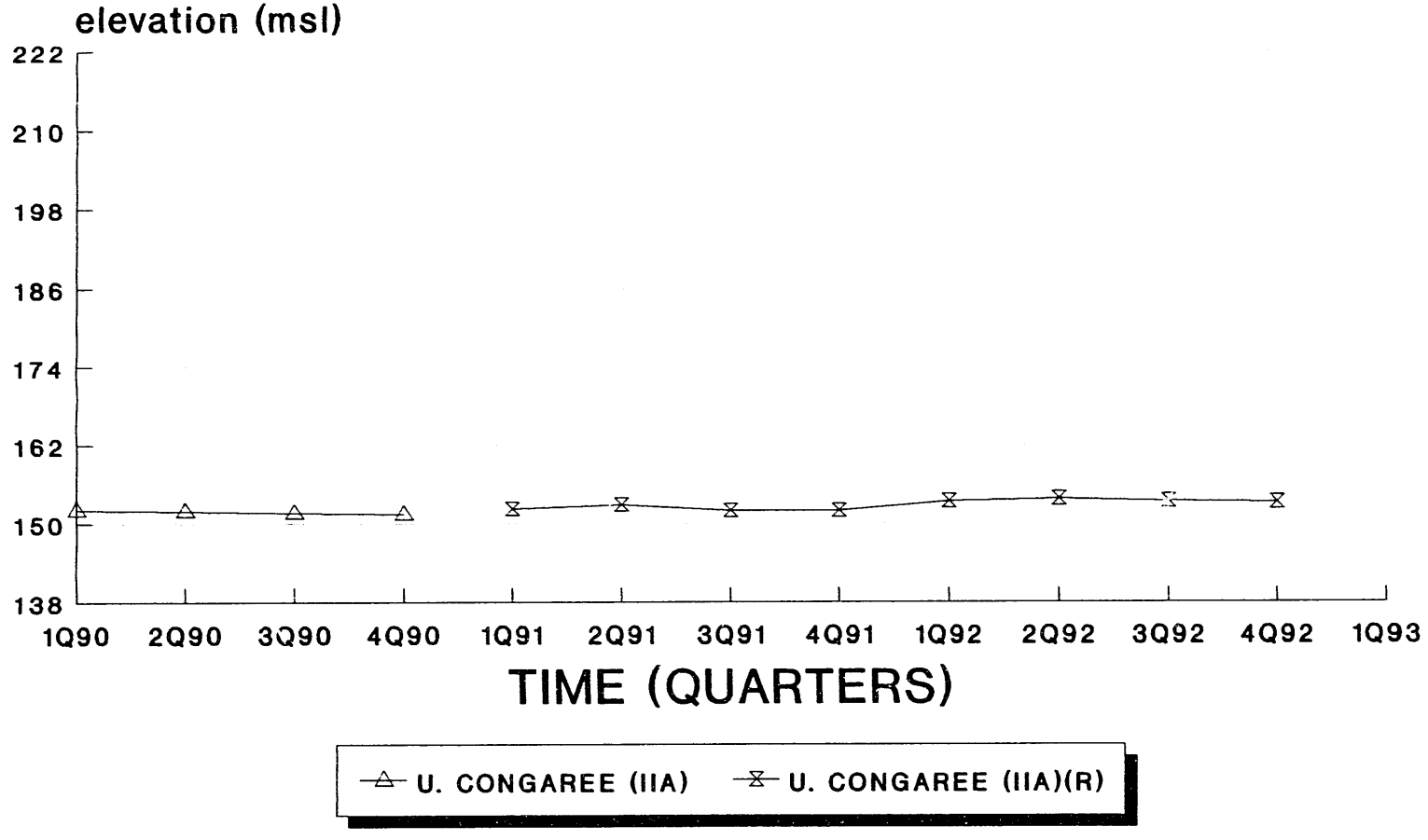
Water Elevation



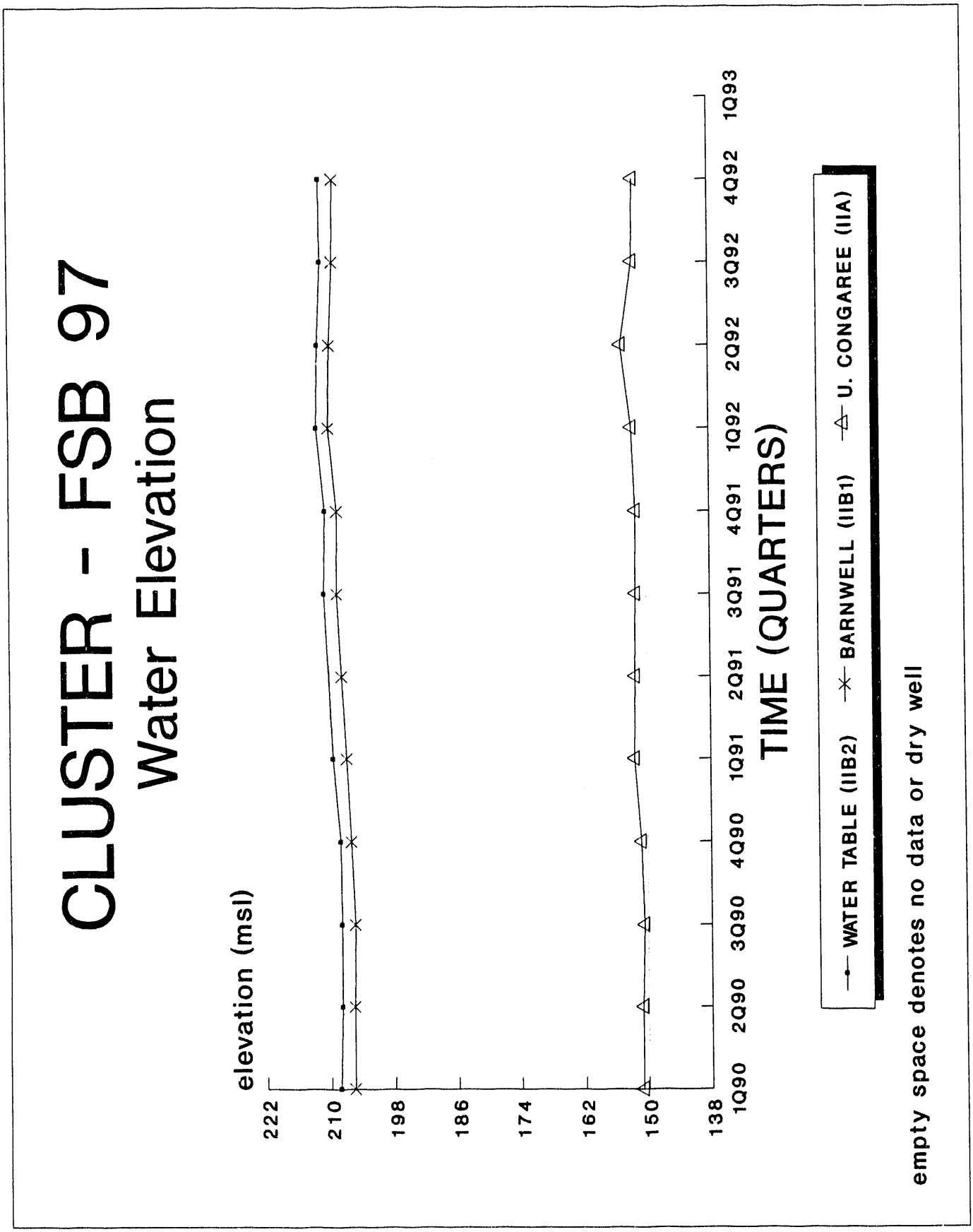
empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - FSB 96

Water Elevation

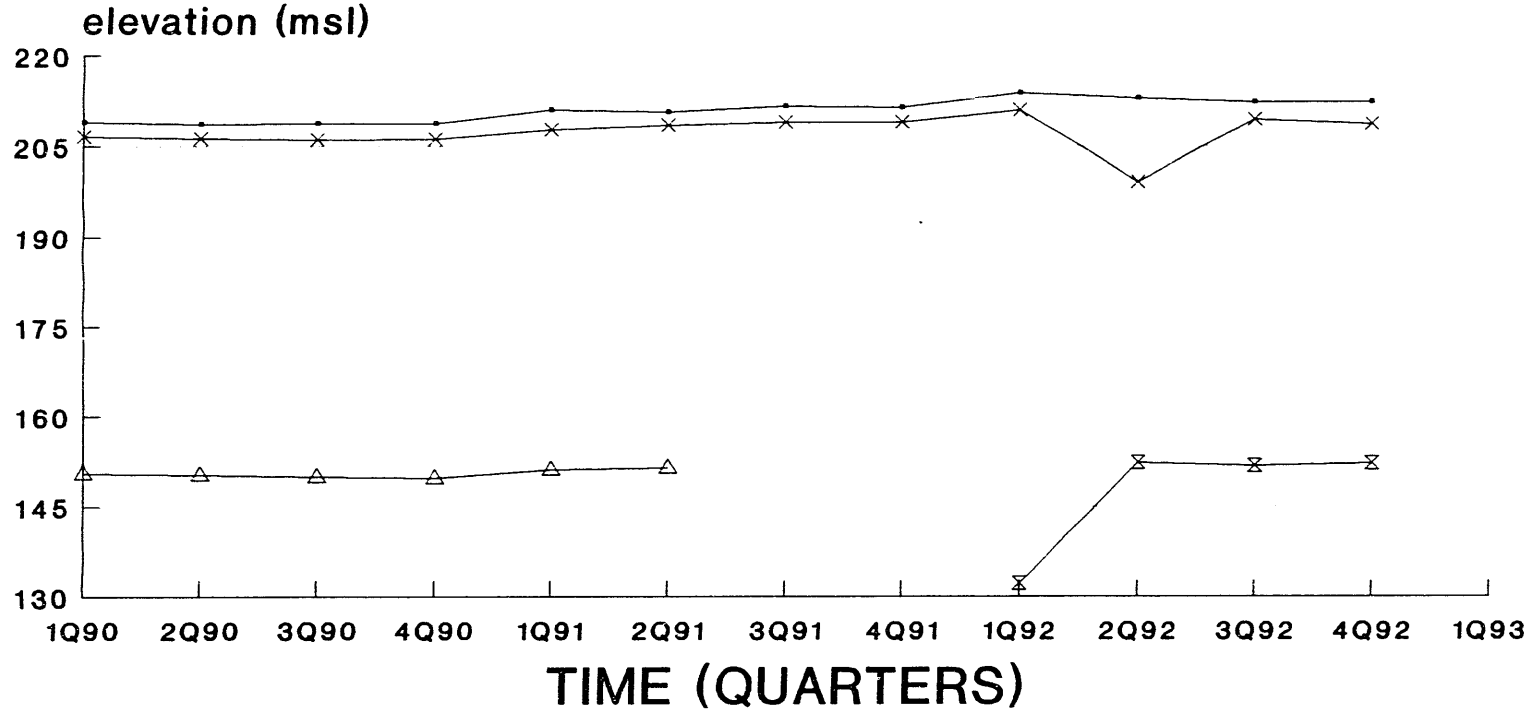


empty space denotes no data or dry well;
(R) denotes a replacement well

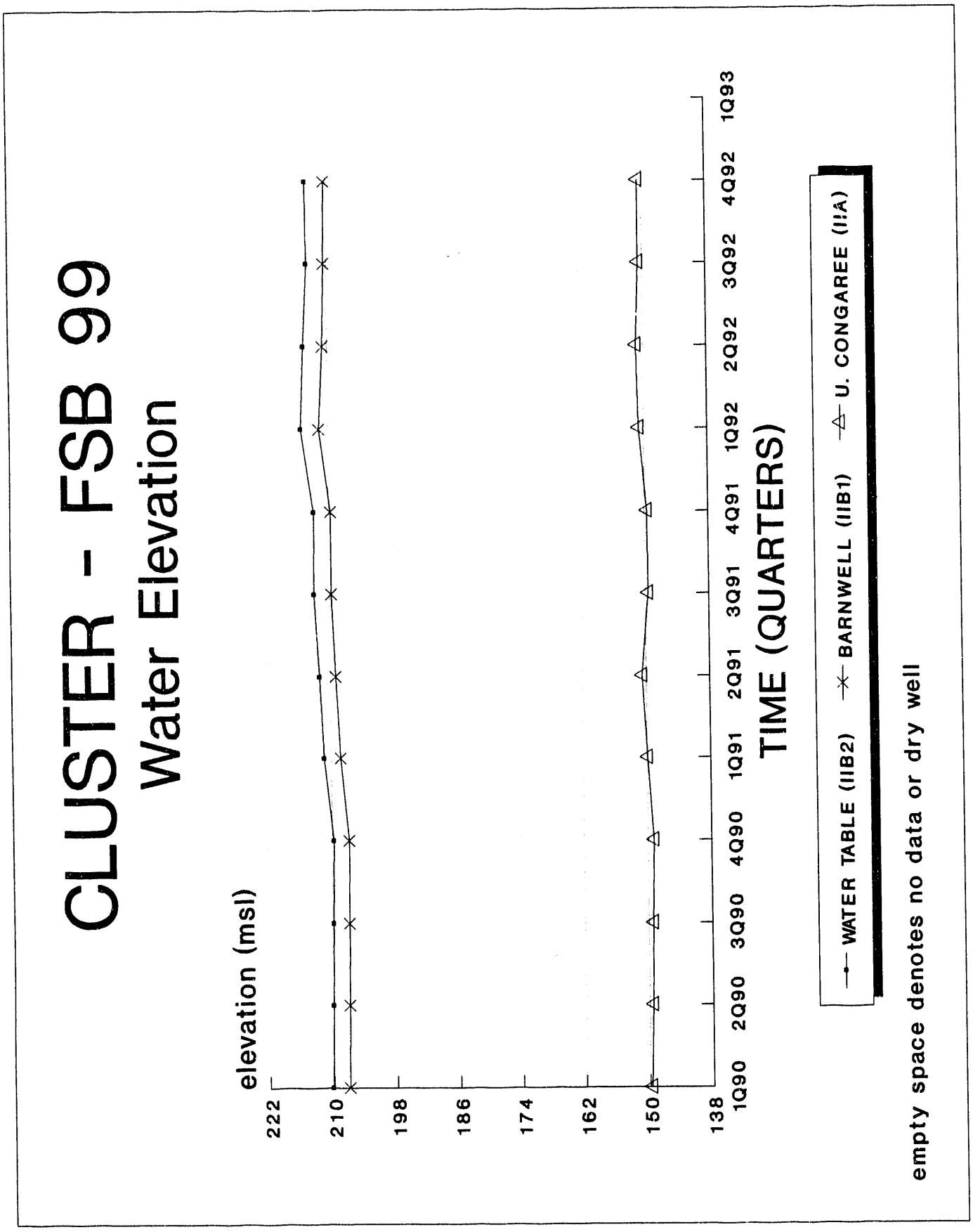

CLUSTER - FSB 97
Water Elevation
elevation (msl)
222
210
198
186
174
162
150
138
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
U. CONGAREE (IIA)
empty space denotes no data or dry well

CLUSTER - FSB 98

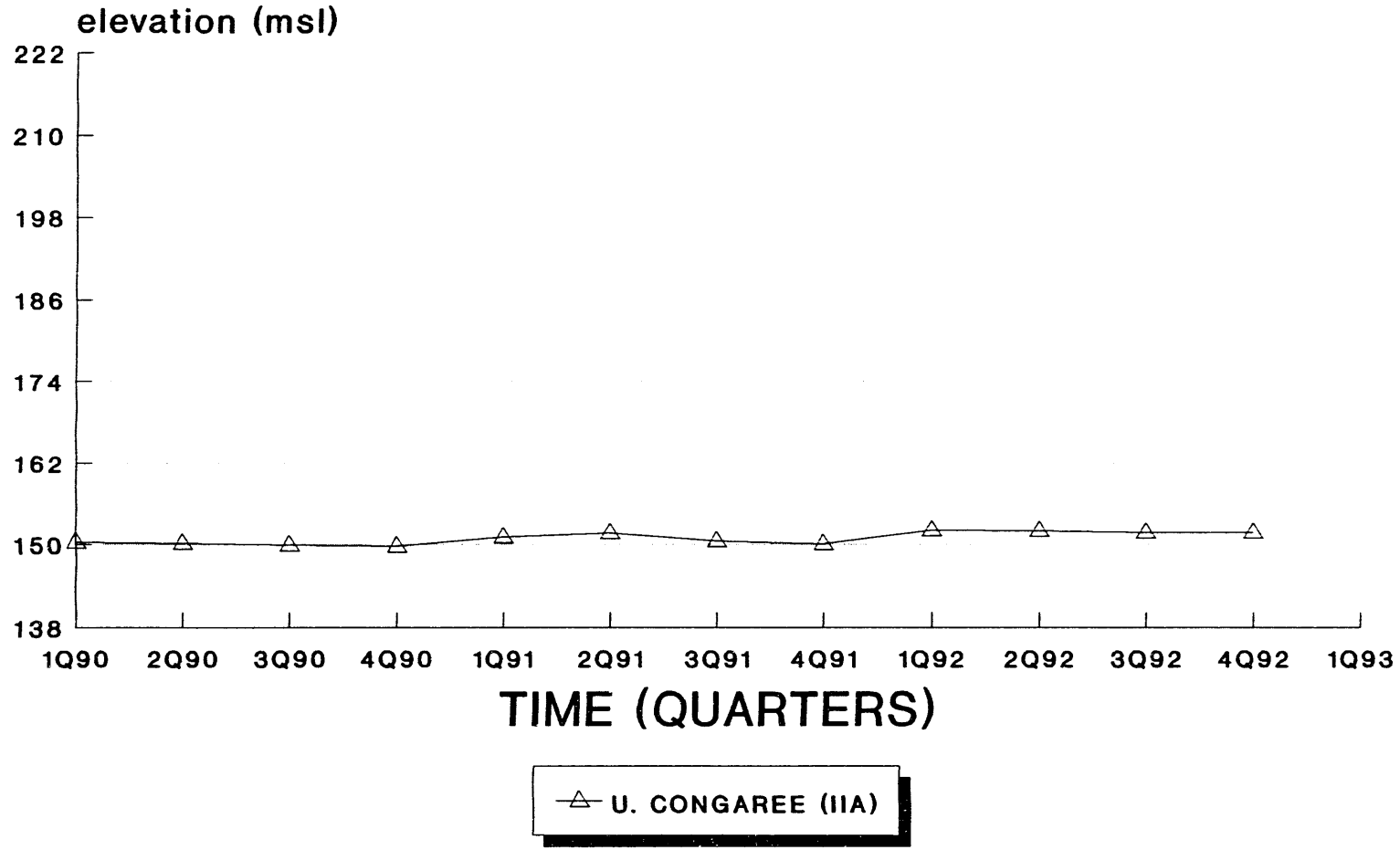
Water Elevation



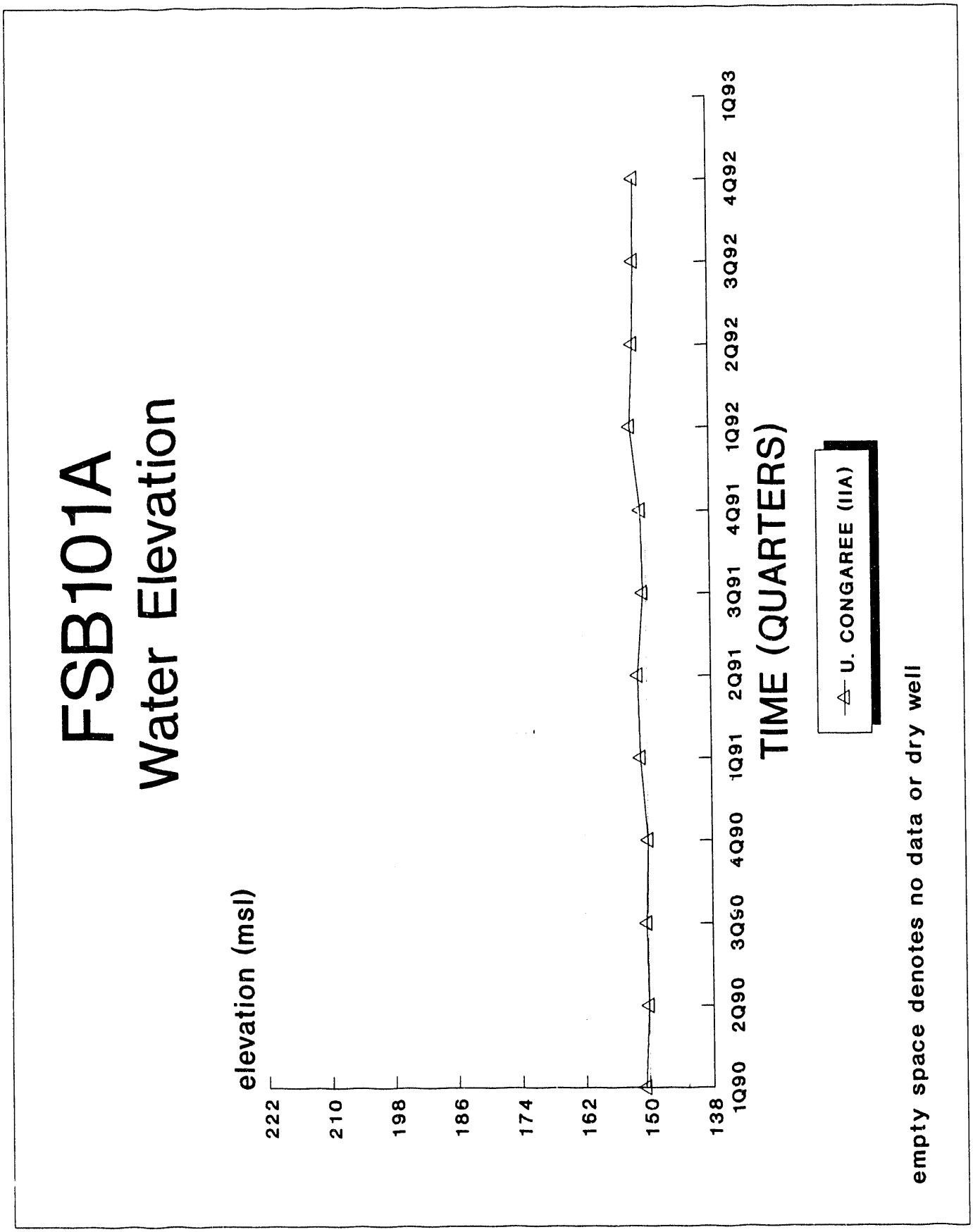
empty space denotes no data or dry well;
(R) denotes a replacement well

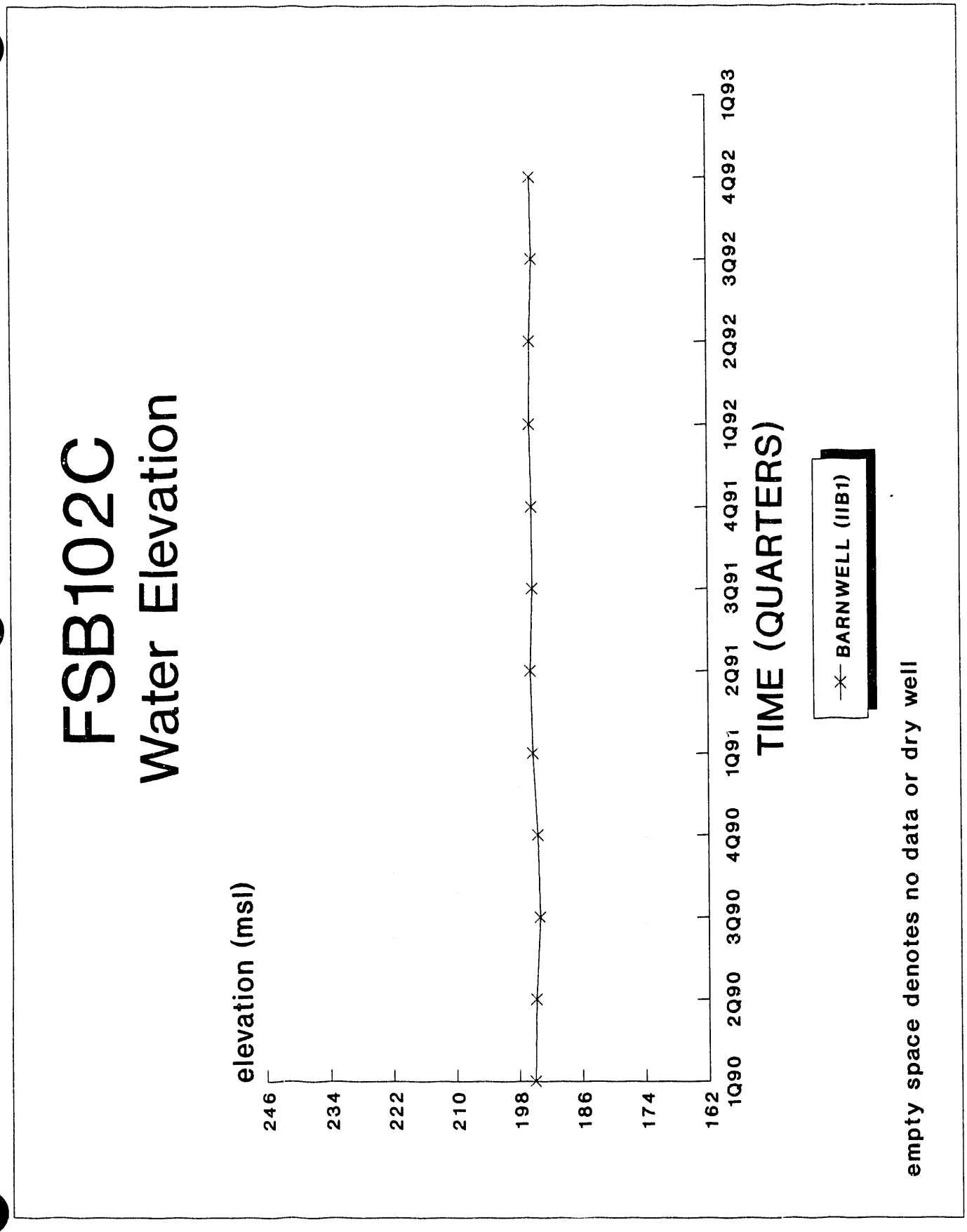

CLUSTER - FSB 99
Water Elevation
elevation (msl)
222
210
198
186
174
162
150
138
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
U. CONGAREE (IIA)
empty space denotes no data or dry well

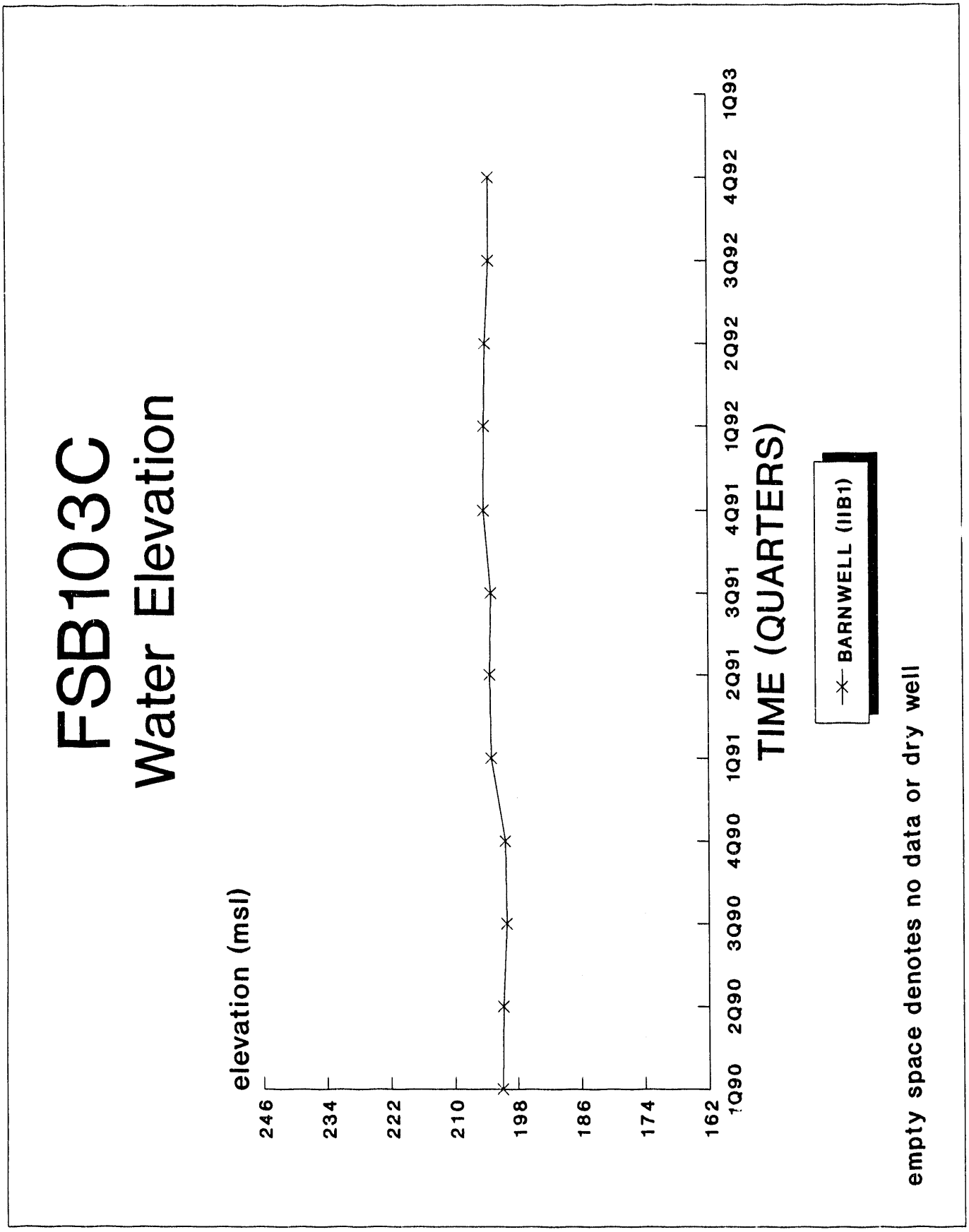
FSB100A
Water Elevation



empty space denotes no data or dry well

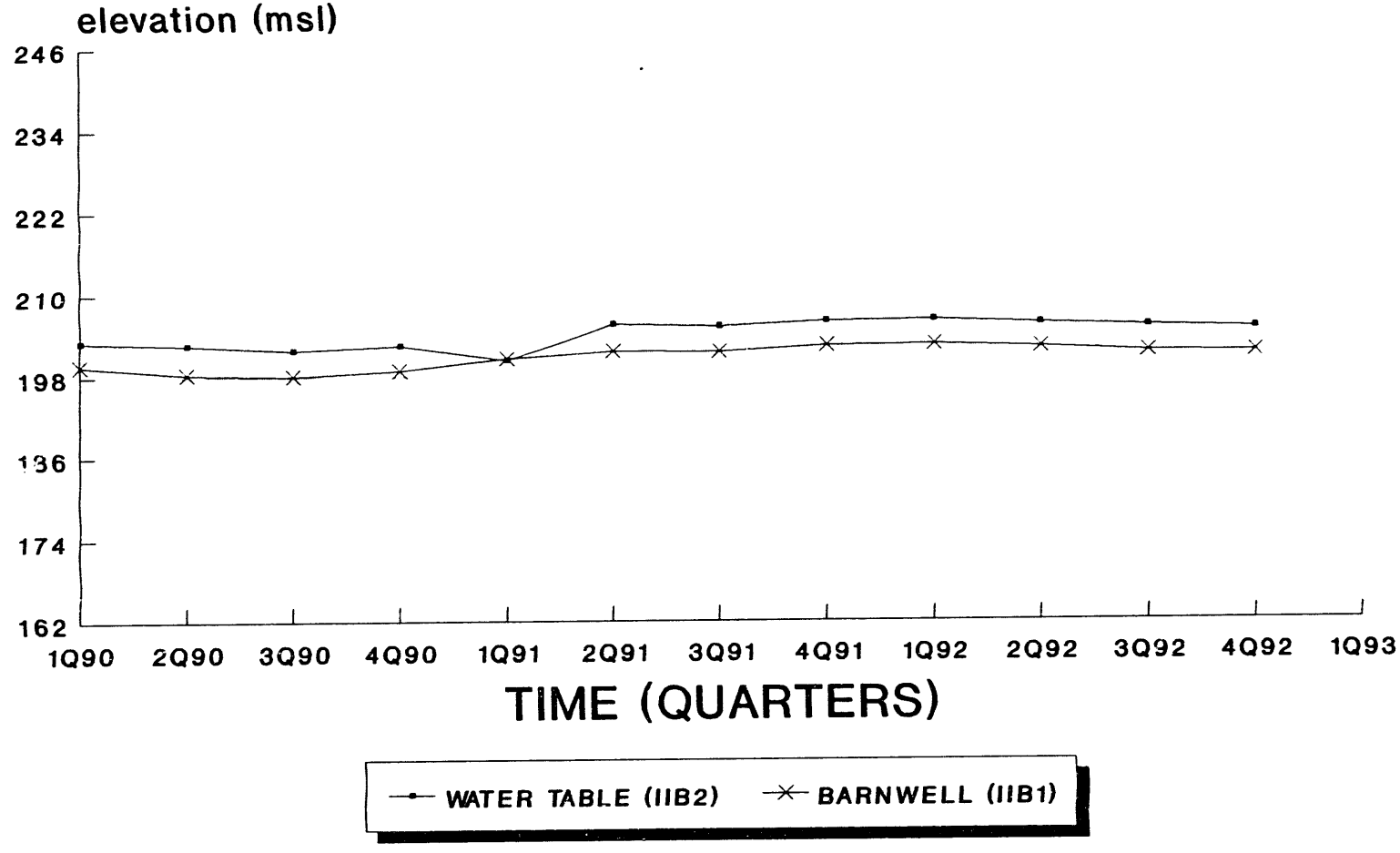

FSB101A
Water Elevation
elevation (msl)
222
210
198
186
174
162
150
138
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
U. CONGAREE (IIA)
empty space denotes no data or dry well


FSB102C
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
BARNWELL (IIB1)
empty space denotes no data or dry well


FSB103C
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
BARNWELL (IIB1)
empty space denotes no data or dry well

CLUSTER - FSB104

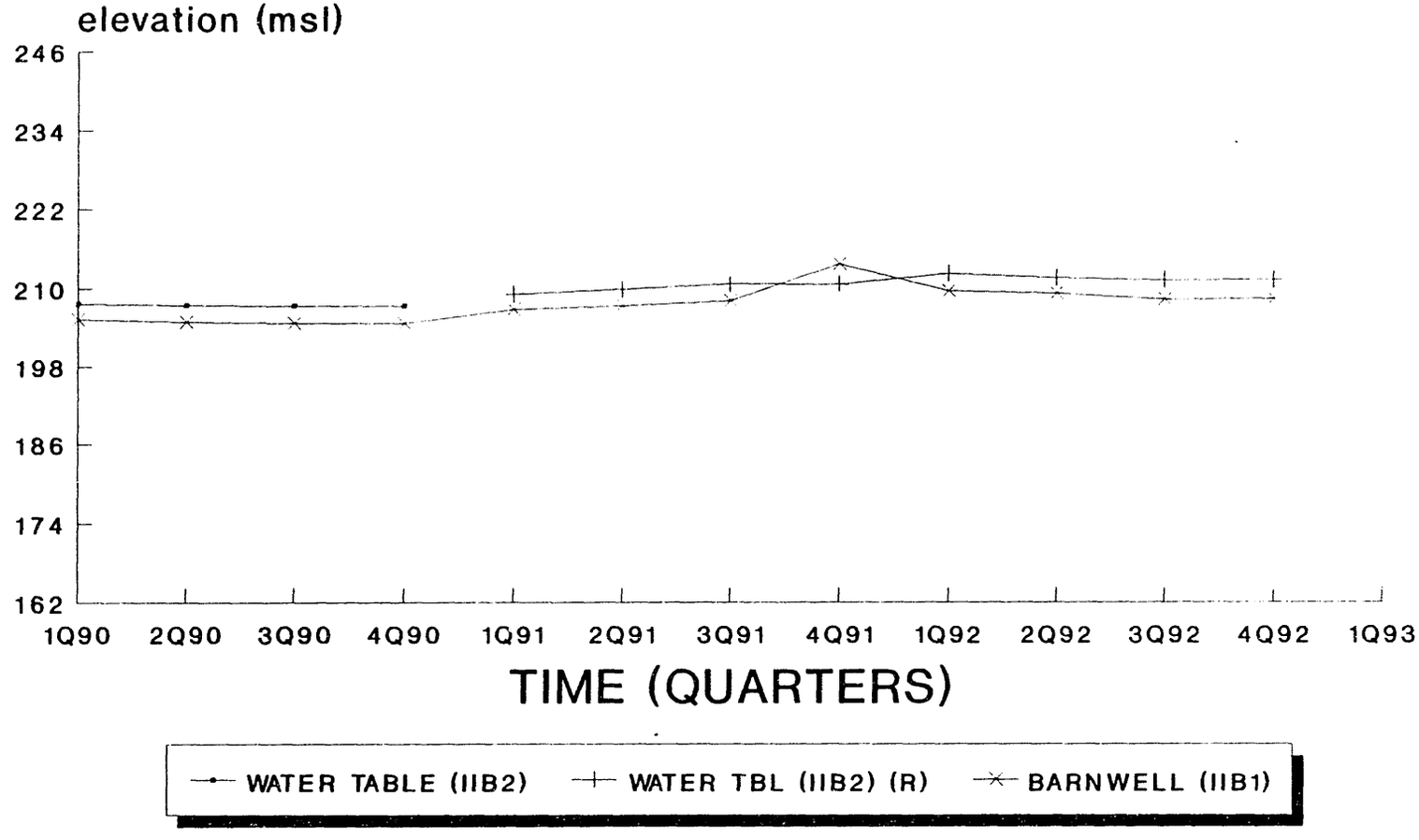
Water Elevation



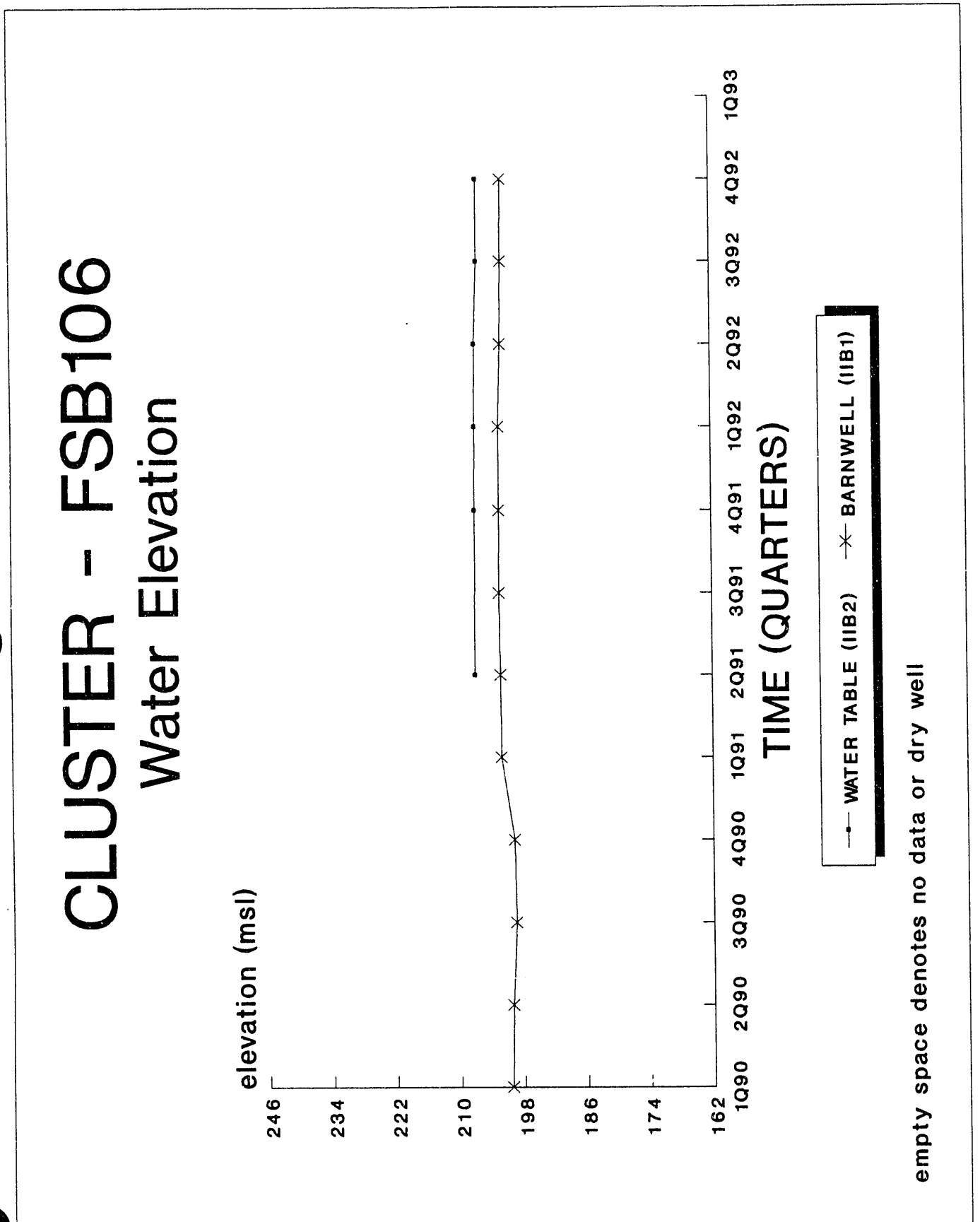
empty space denotes no data or dry well

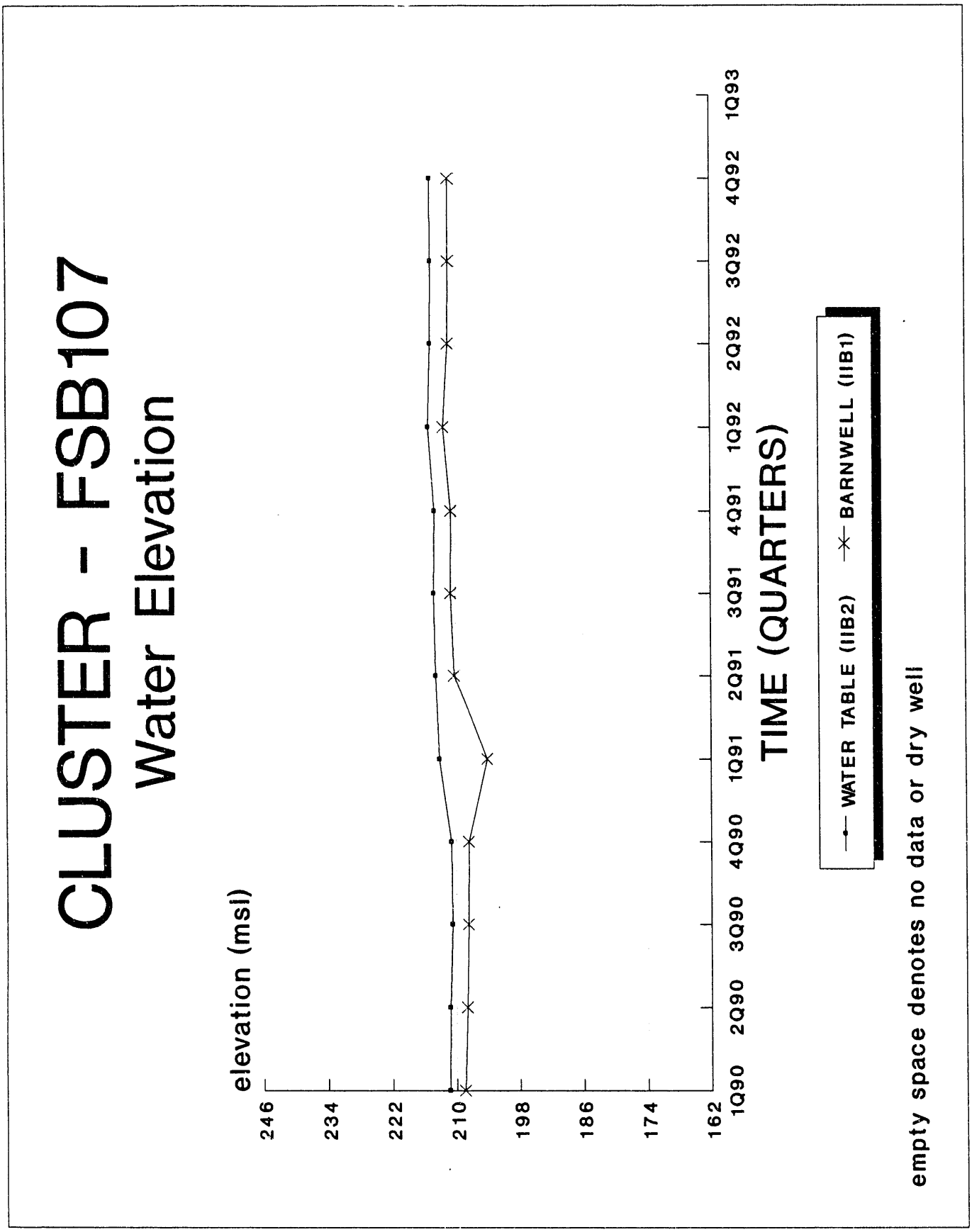
CLUSTER - FSB105

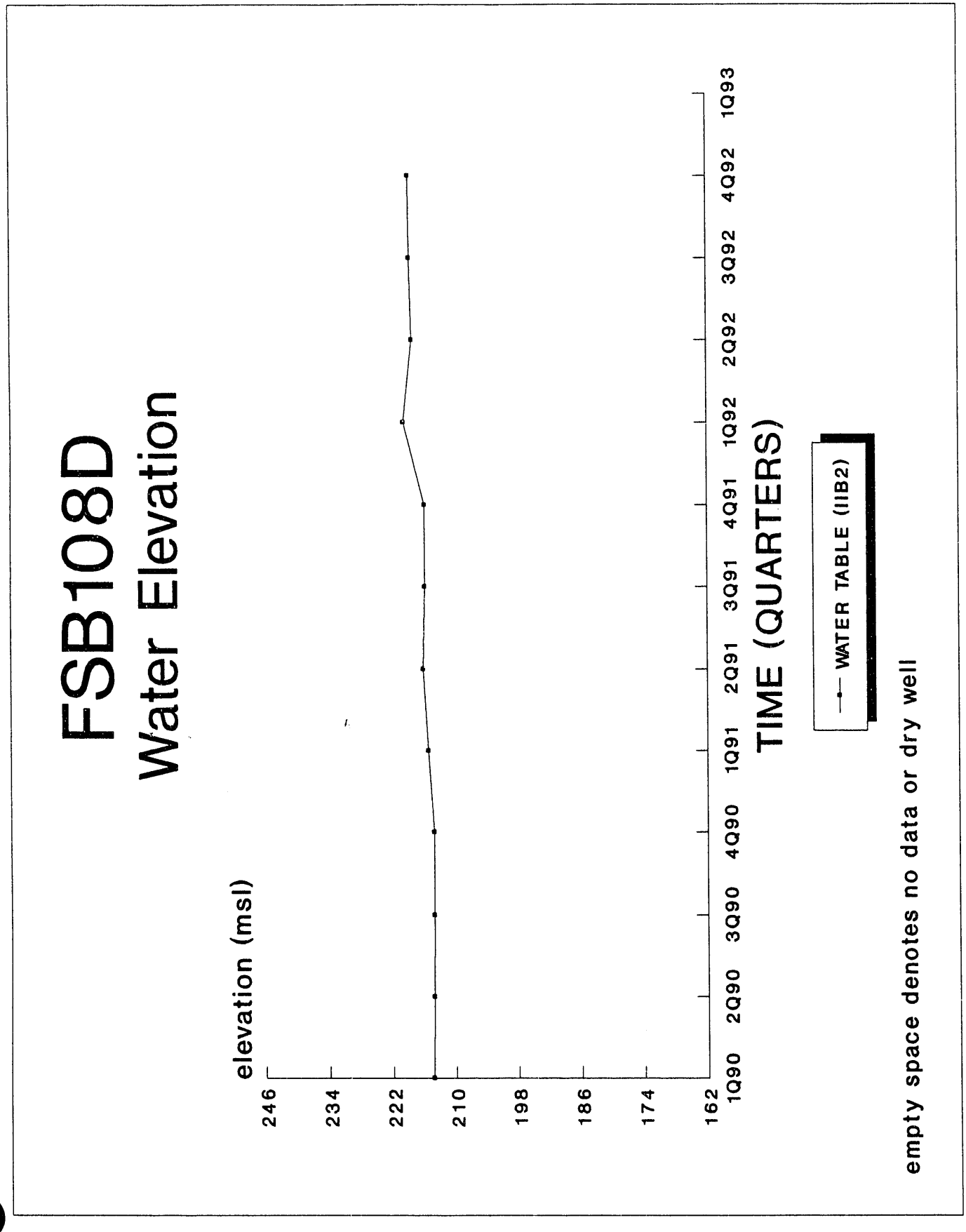
Water Elevation

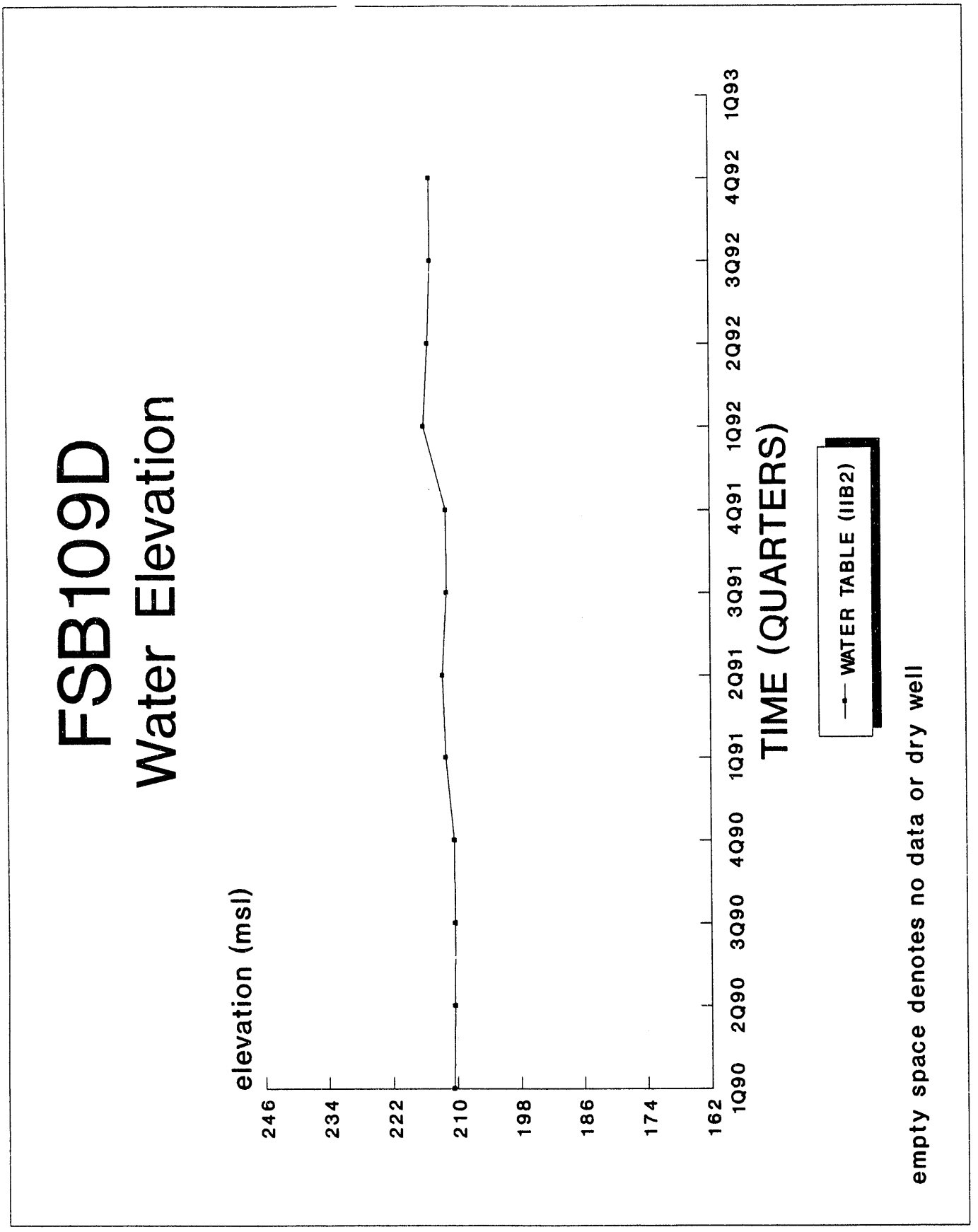


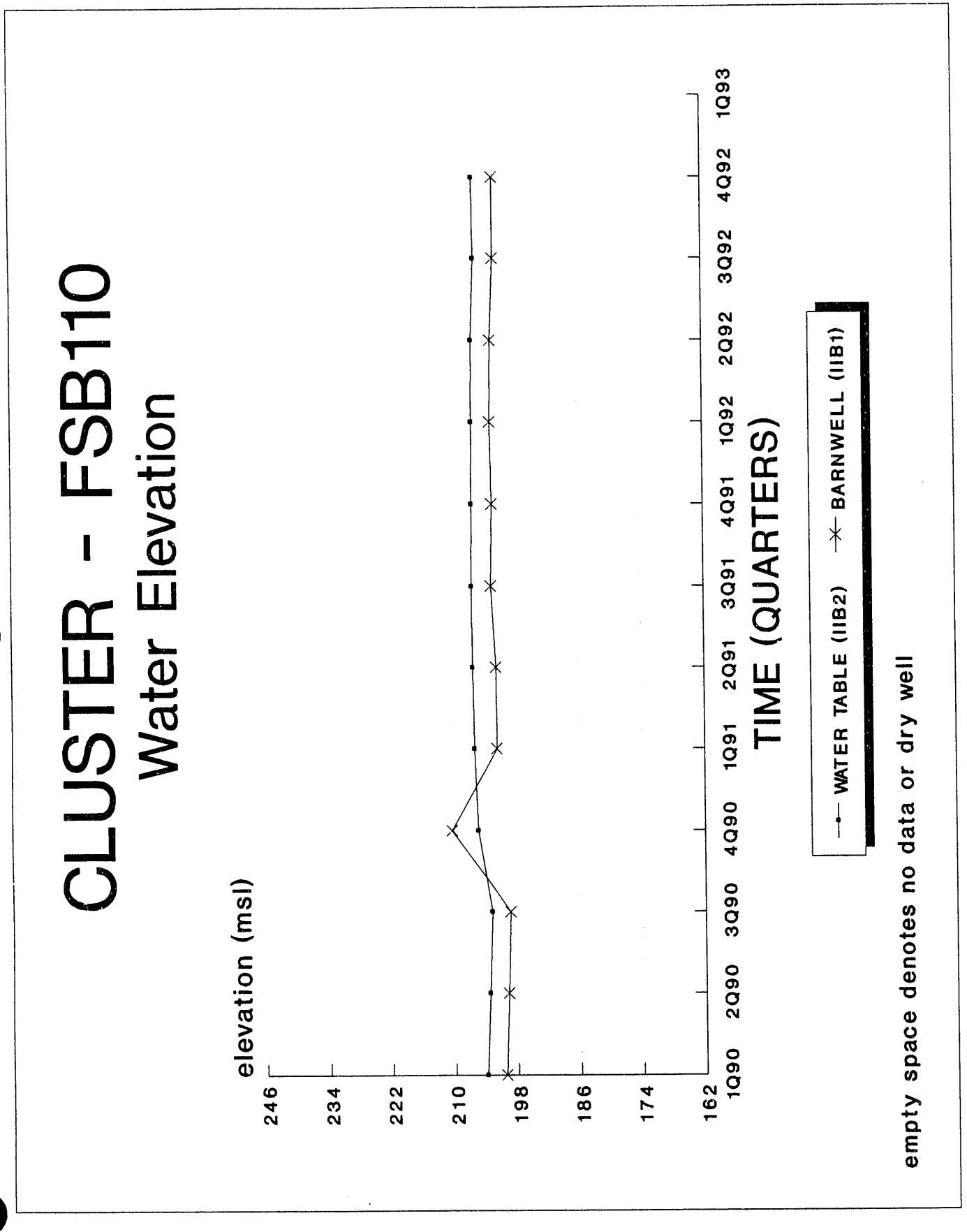
empty space denotes no data or dry well;
(R) denotes a replacement well

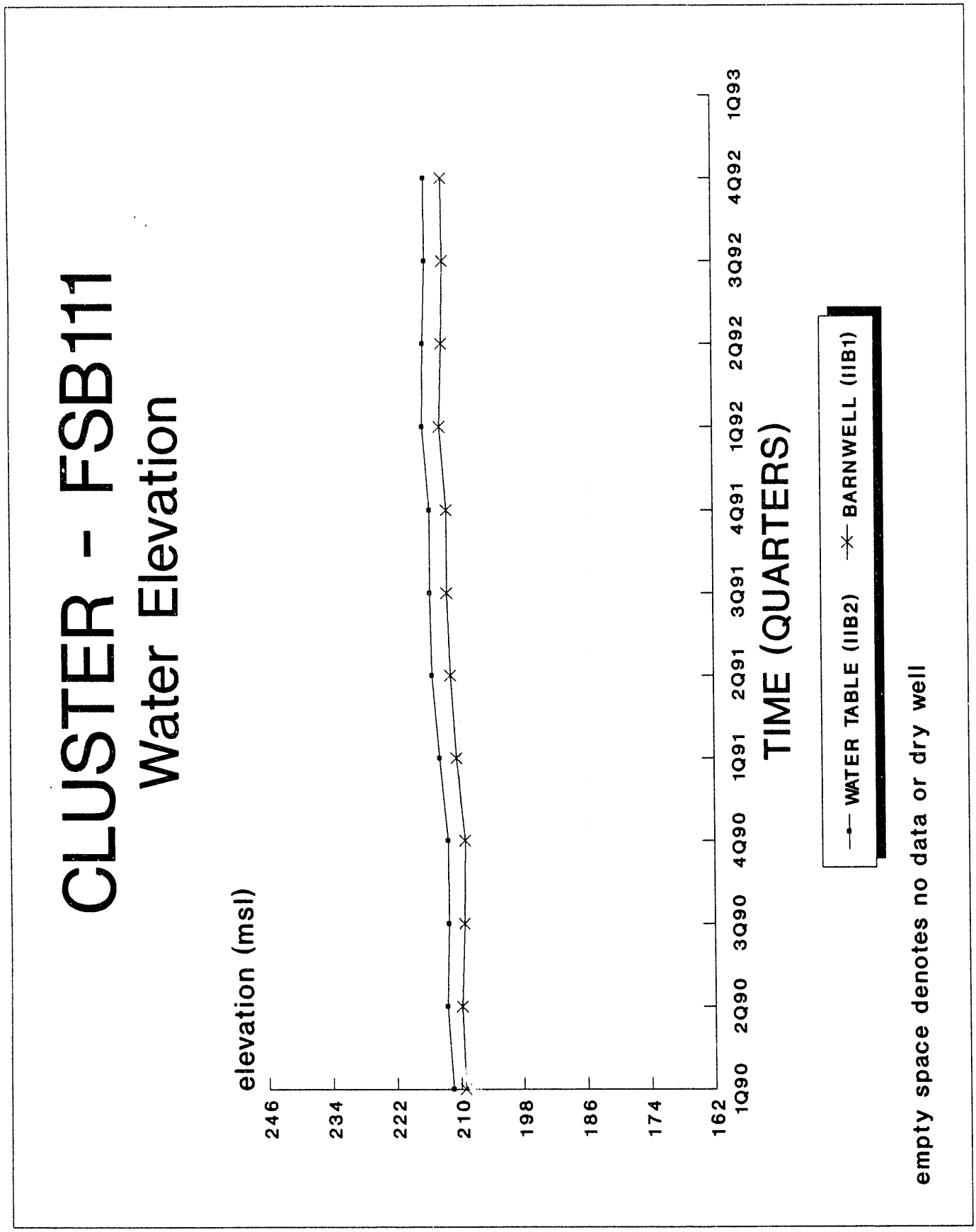

CLUSTER - FSB106
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
empty space denotes no data or dry well


CLUSTER - FSB107
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
empty space denotes no data or dry well


FSB108D
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
empty space denotes no data or dry well

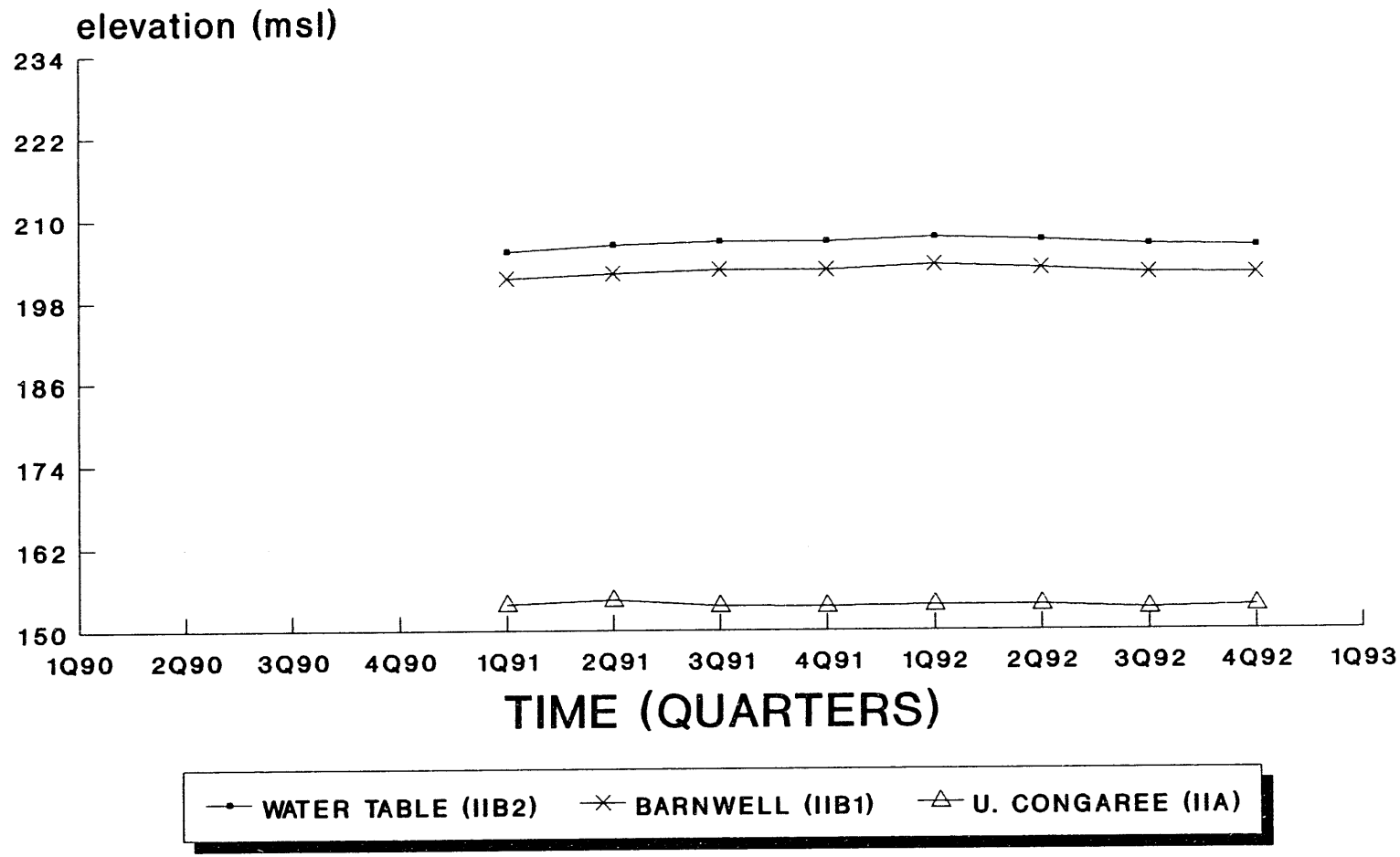

FSB109D
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
empty space denotes no data or dry well


CLUSTER - FSB110
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
empty space denotes no data or dry well

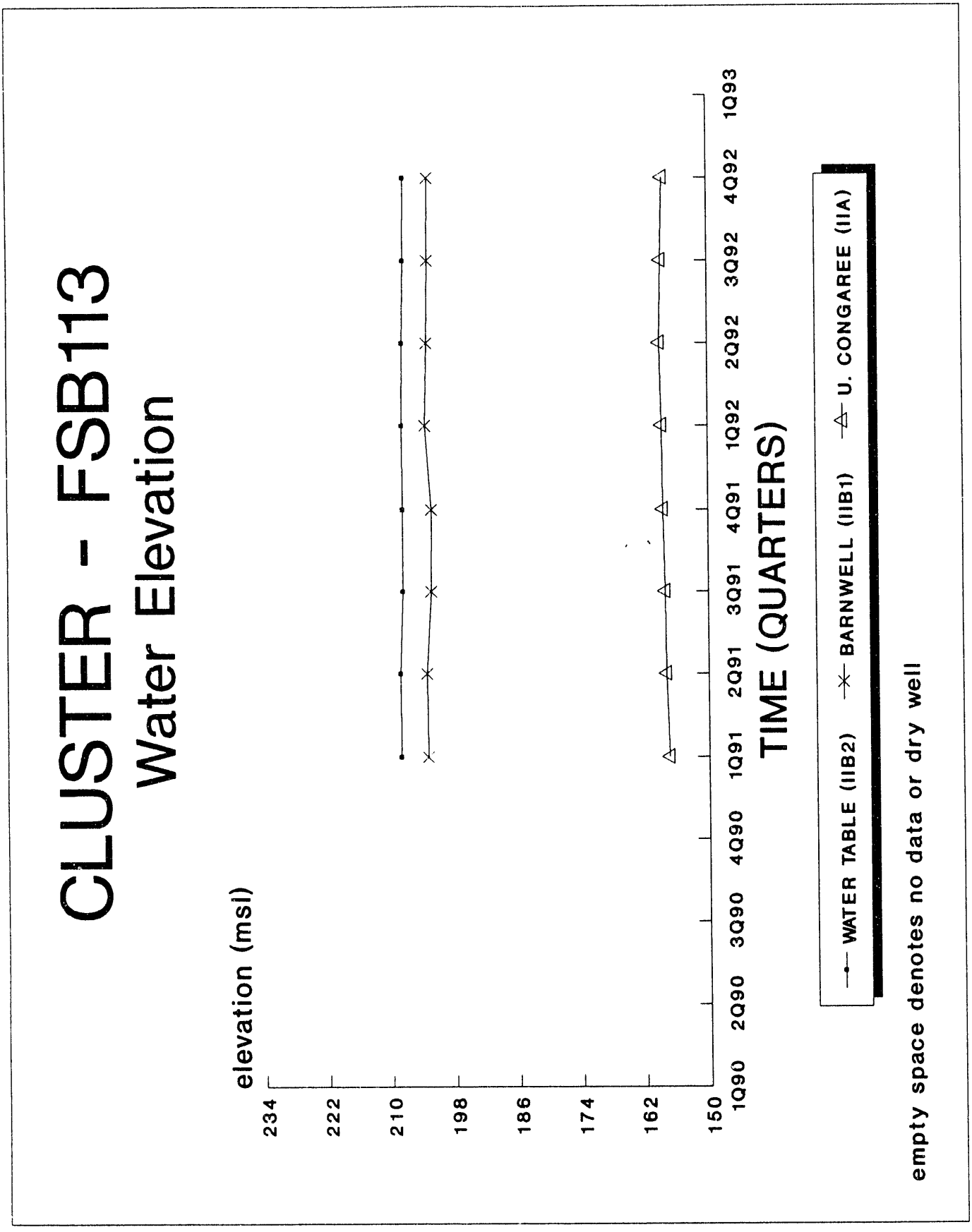

CLUSTER - FSB111
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
empty space denotes no data or dry well

CLUSTER - FSB112

Water Elevation

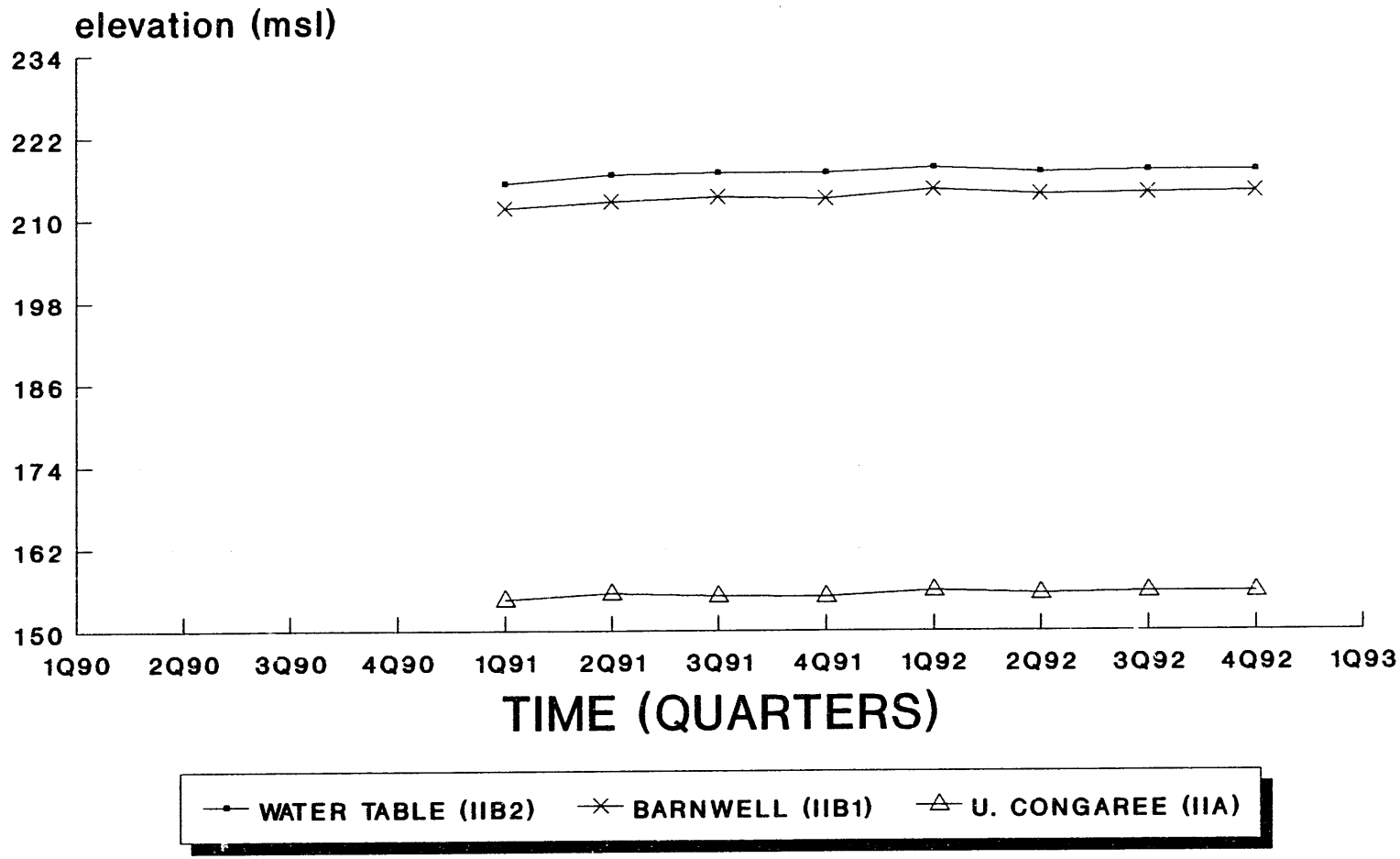


empty space denotes no data or dry well

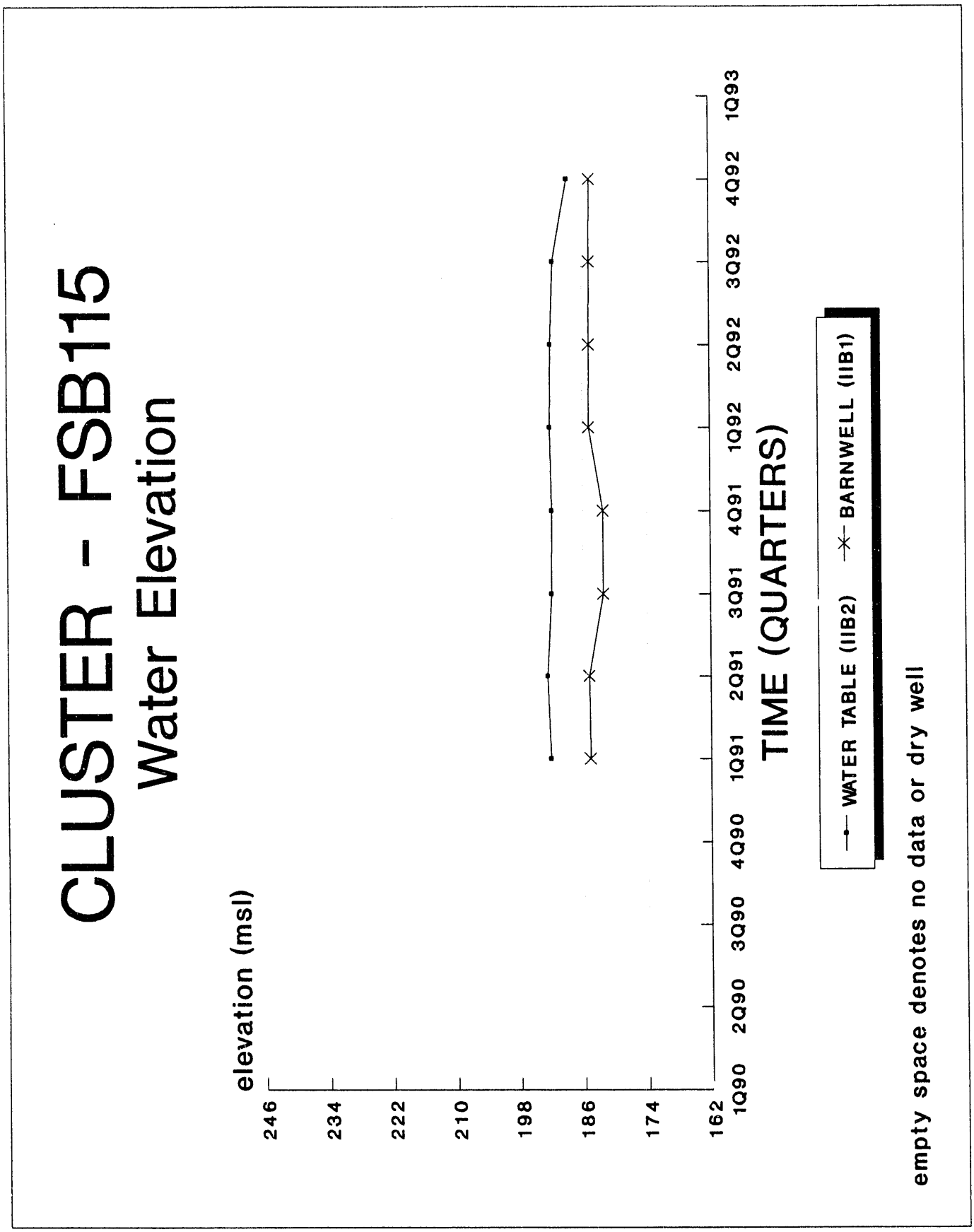

CLUSTER - FSB113
Water Elevation
elevation (msl)
234
222
210
198
186
174
162
150
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
U. CONGAREE (IIA)
empty space denotes no data or dry well

CLUSTER - FSB114

Water Elevation

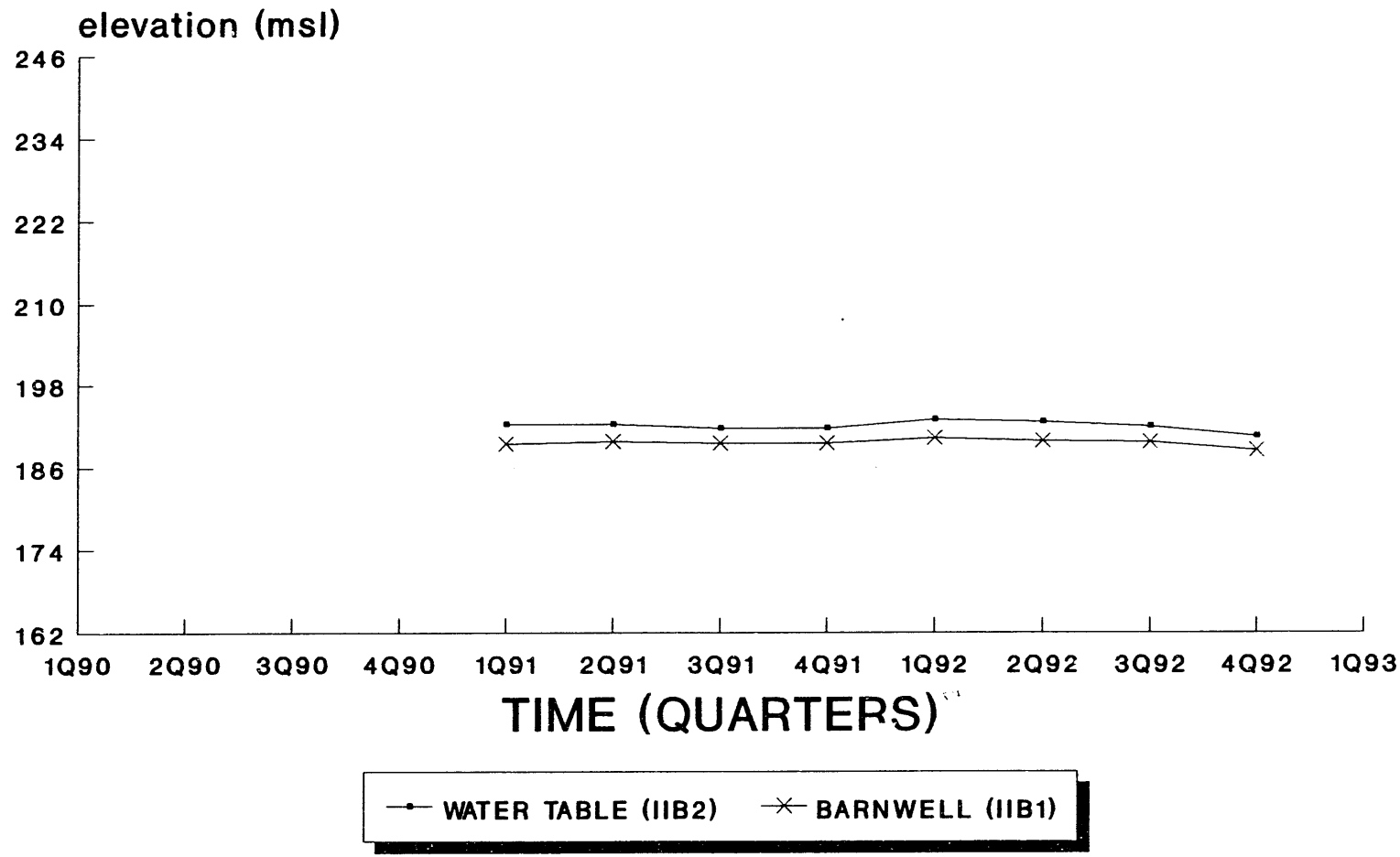


empty space denotes no data or dry well

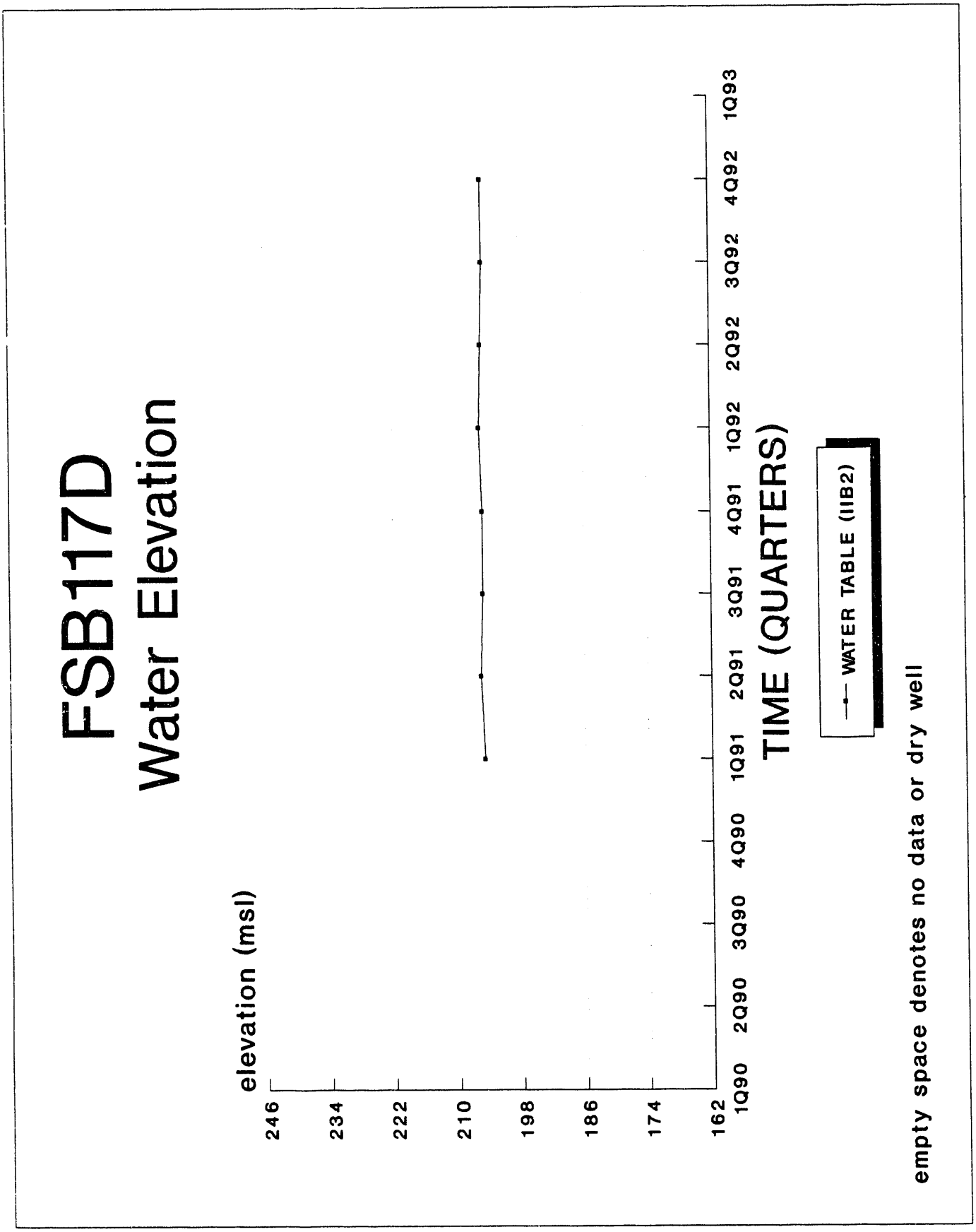

CLUSTER - FSB115
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
BARNWELL (IIB1)
empty space denotes no data or dry well

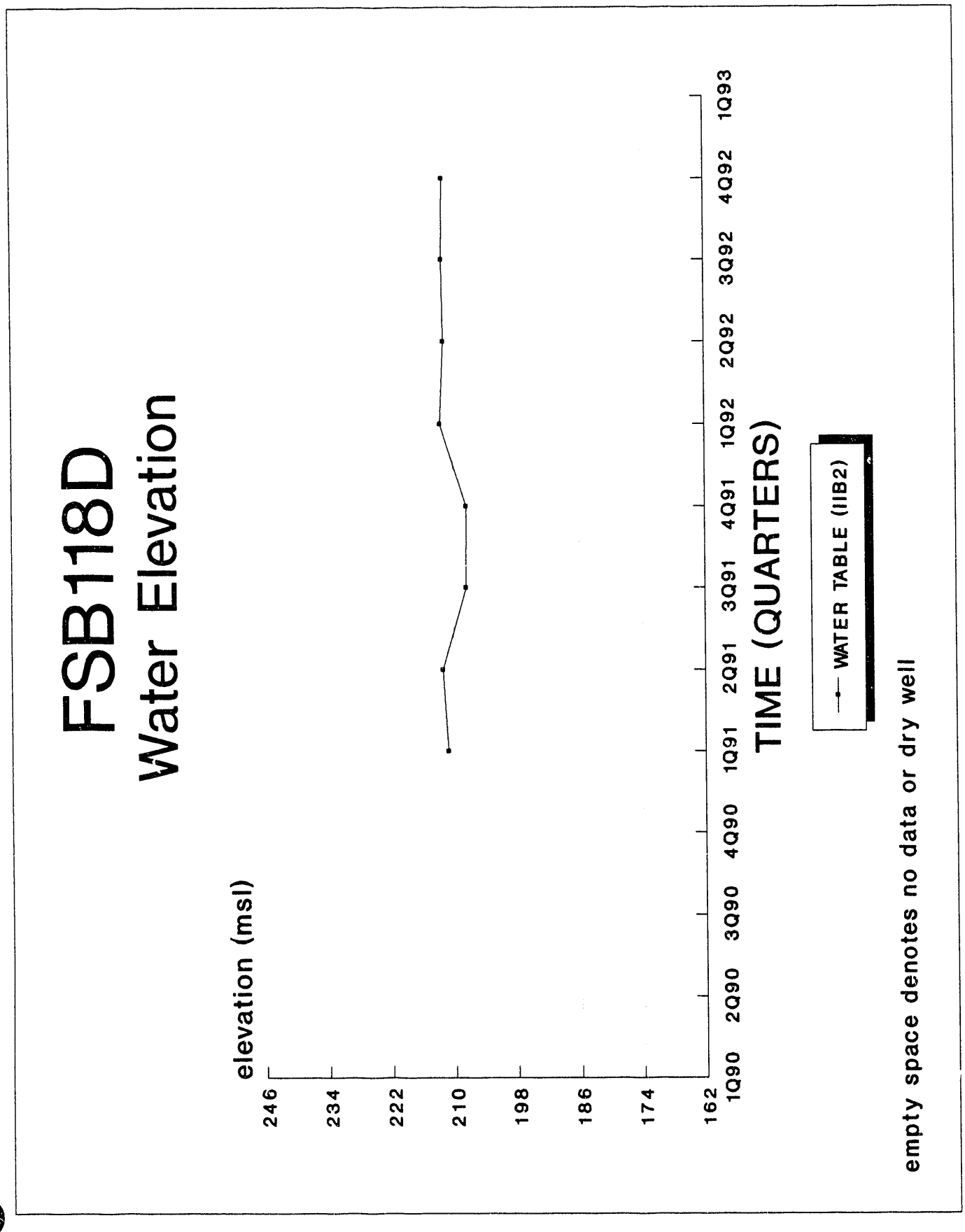
CLUSTER - FSB116

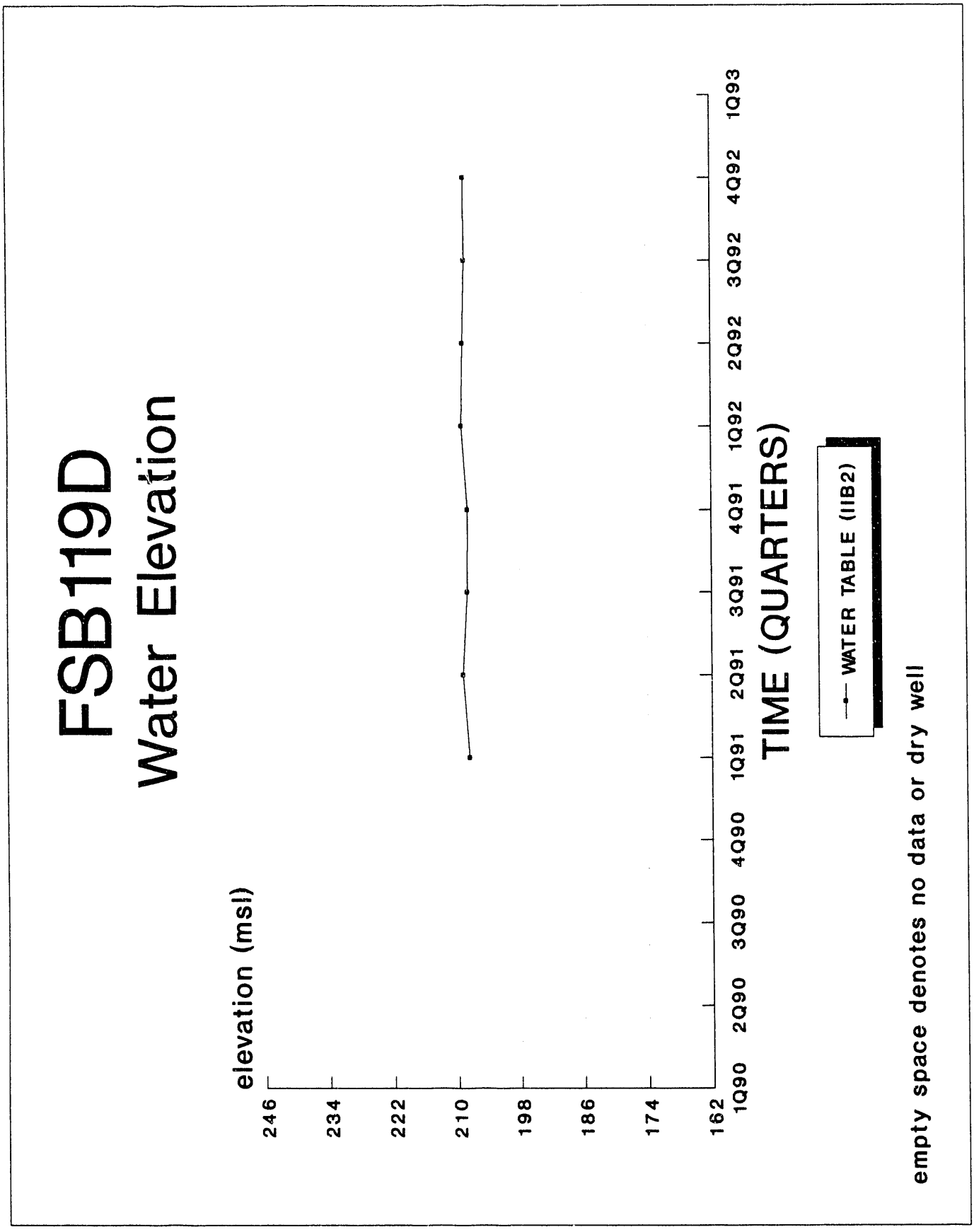
Water Elevation



empty space denotes no data or dry well

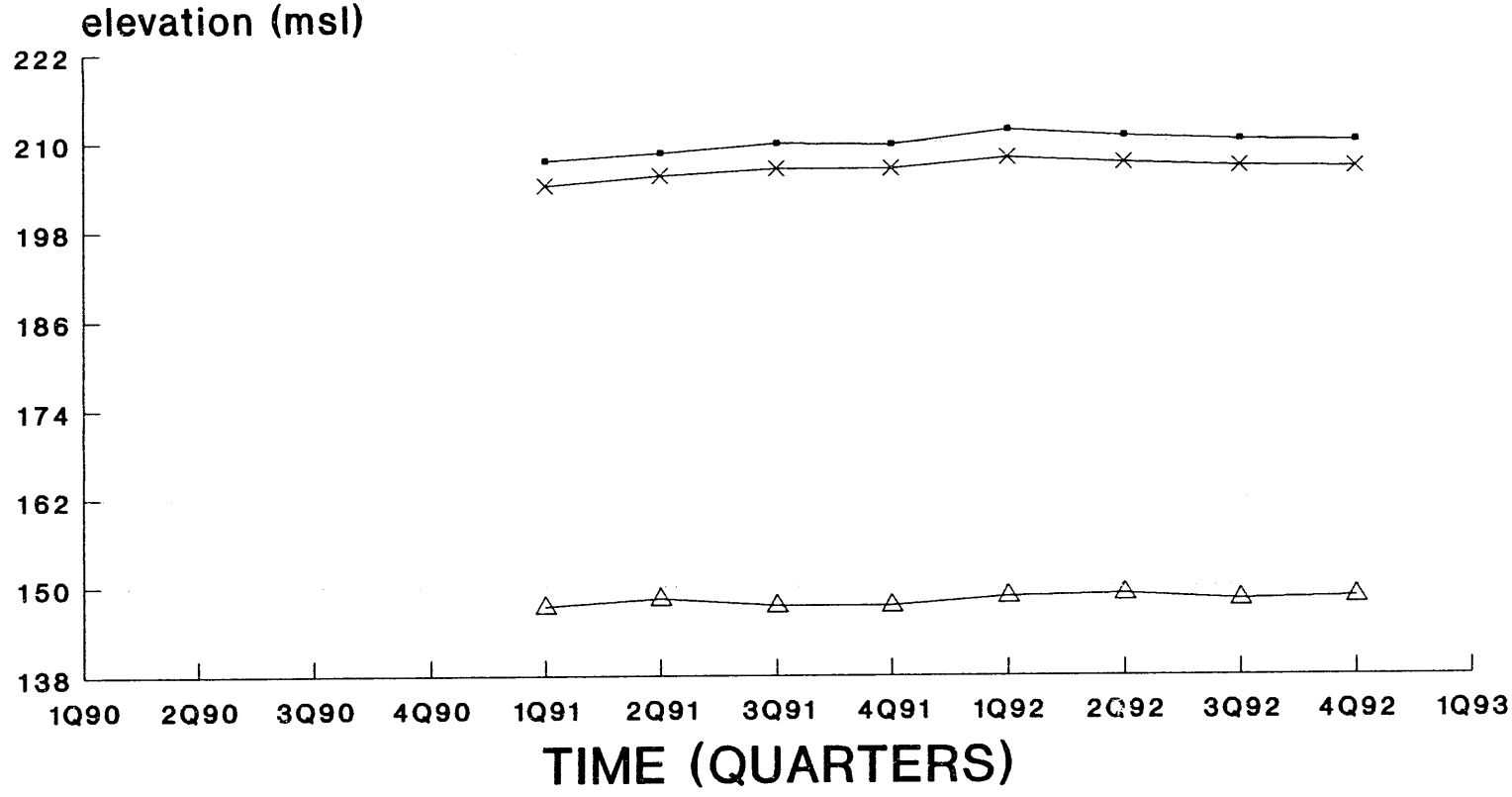

FSB117D
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
empty space denotes no data or dry well


FSB118D
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
empty space denotes no data or dry well


FSB119D
Water Elevation
elevation (msl)
246
234
222
210
198
186
174
162
1Q90
2Q90
3Q90
4Q90
1Q91
2Q91
3Q91
4Q91
1Q92
2Q92
3Q92
4Q92
1Q93
TIME (QUARTERS)
WATER TABLE (IIB2)
empty space denotes no data or dry well

CLUSTER - FSB120

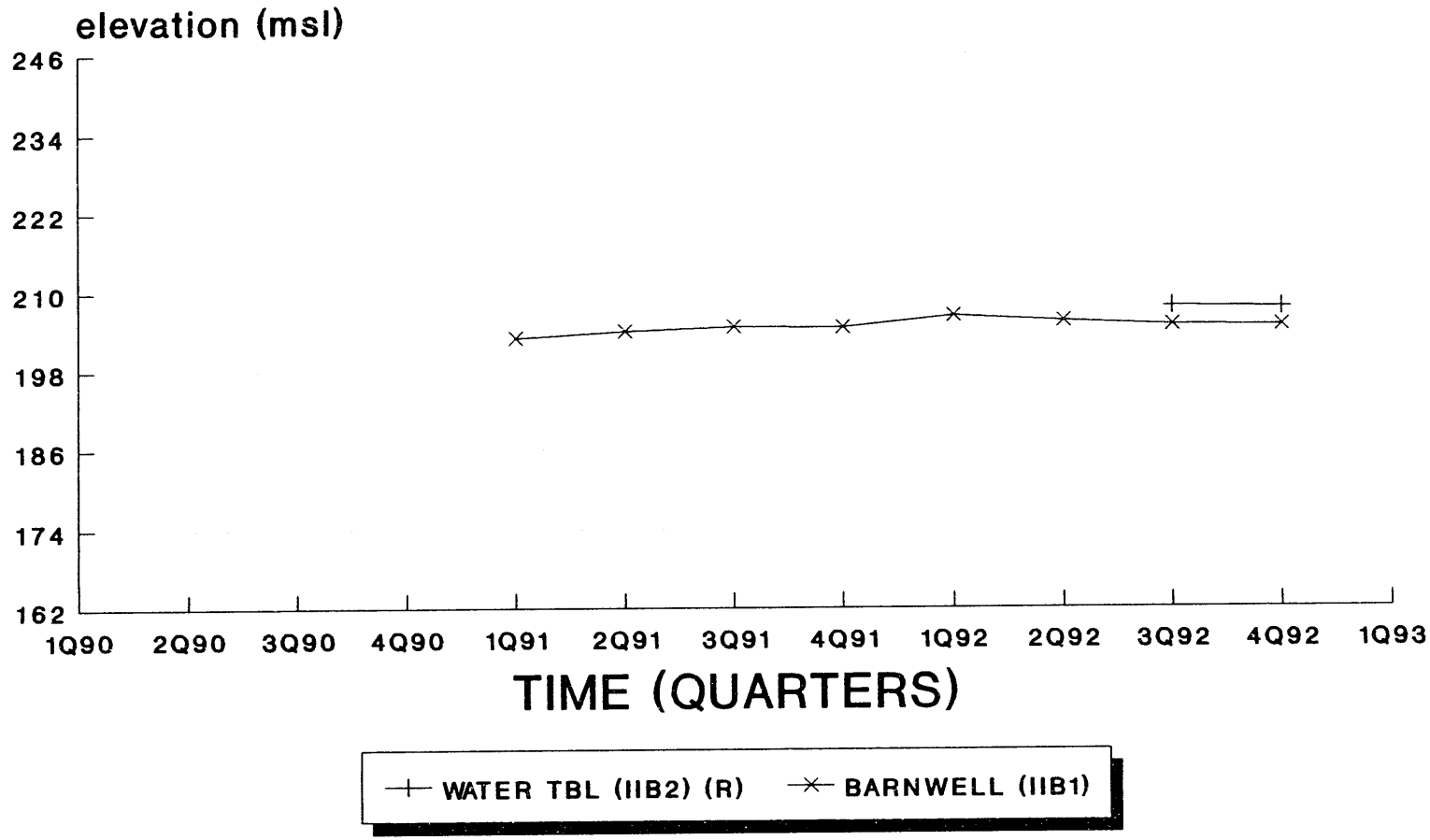
Water Elevation



empty space denotes no data or dry well

CLUSTER - FSB121

Water Elevation

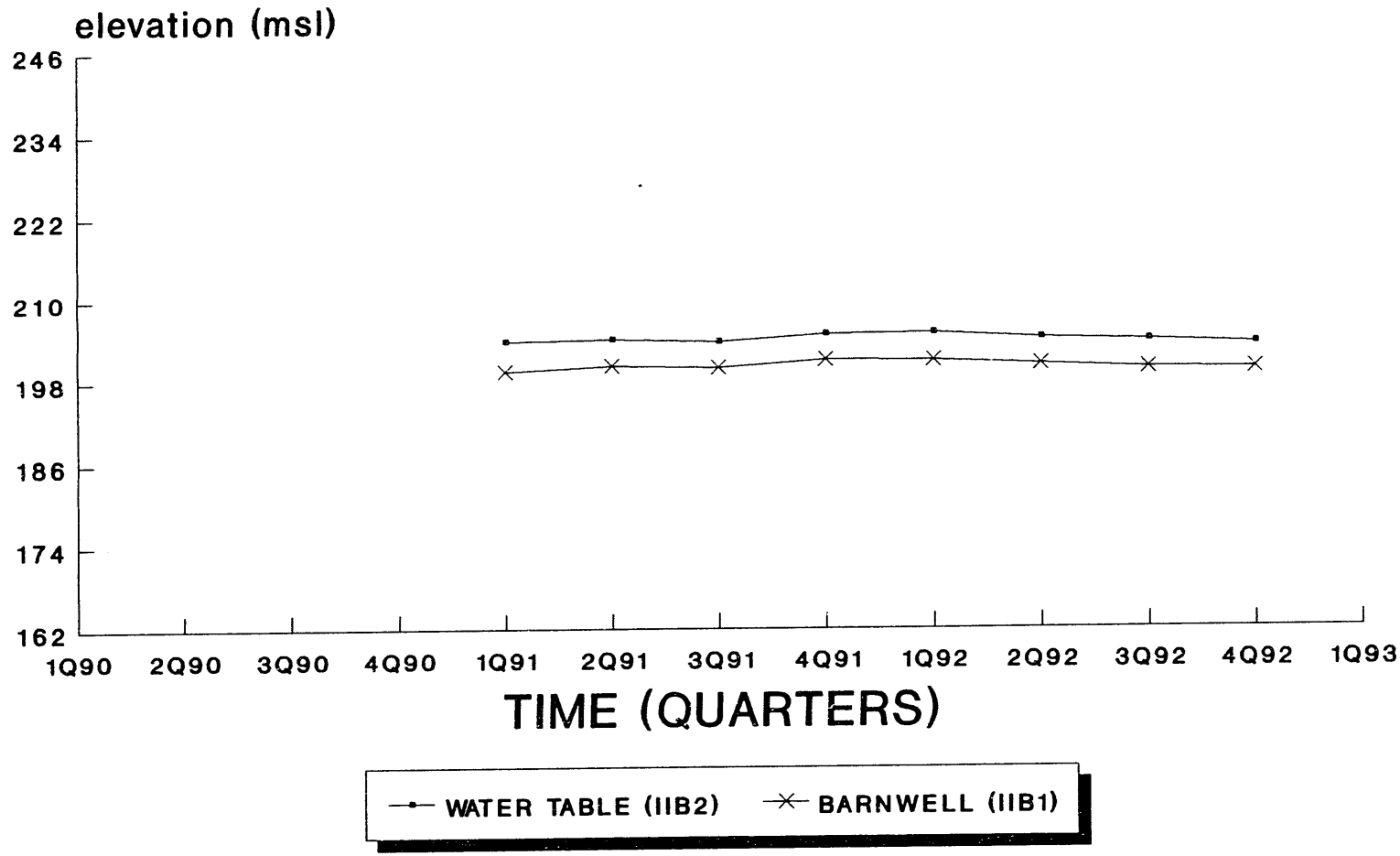


empty space denotes no data or dry well
(R) denotes replacement well

WSRC-TR-93-058

CLUSTER - FSB122

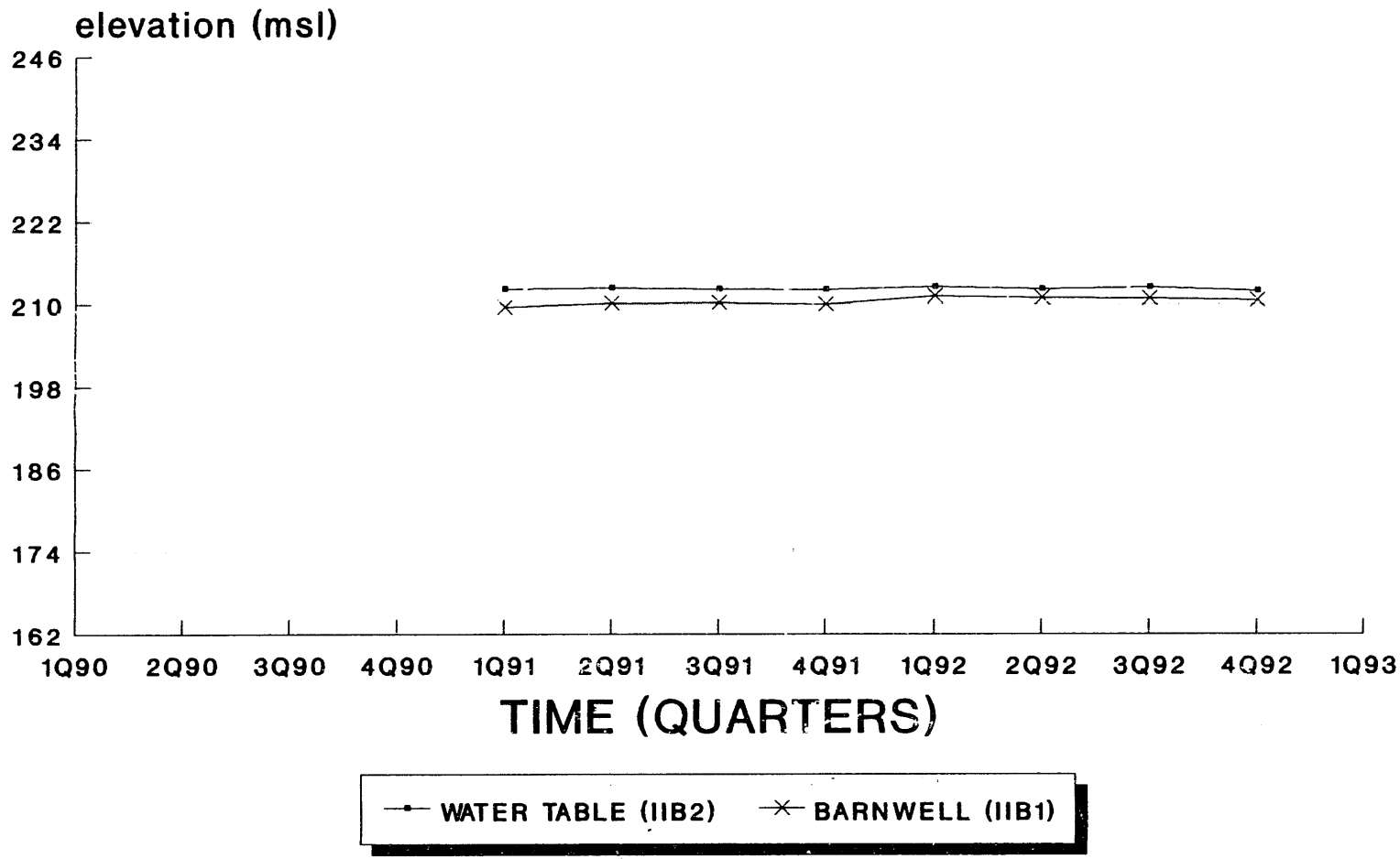
Water Elevation



empty space denotes no data or dry well

CLUSTER - FSB123

Water Elevation



empty space denotes no data or dry well

END

DATE
FILMED
7/1/93