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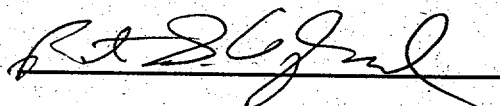
F-AREA HAZARDOUS WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

THIRD AND FOURTH QUARTERS 1996

Volume I

Publication Date: March 1997

Authorized Derivative Classifier
and Reviewing Official:



UNCLASSIFIED
Does Not Contain Unclassified
Controlled Nuclear Information

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

MASTER

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

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Key Words

**FSB and FSL wells
nitrate
nonvolatile beta
strontium-90
tritium**

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Executive Summary

The groundwater in the uppermost aquifer beneath the F-Area Hazardous Waste Management Facility (HWMF), also known as the F-Area Seepage Basins, at the Savannah River Site (SRS) is monitored periodically for selected hazardous and radioactive constituents as required by Module III, Section C, of the 1995 RCRA Renewal Permit (South Carolina Hazardous and Mixed Waste Permit SC1-890-008-989), effective October 5, 1995 (the permit). Currently, the F-Area HWMF monitoring network consists of 86 wells of the FSB well series, 9 wells of the FSL series, and well HSB 85A screened in the three hydrostratigraphic units that make up the uppermost aquifer beneath the F-Area HWMF (Figures 2-5, Appendix B, Volume I). This report presents the results of the required groundwater monitoring program as identified in provision IIIC.H.11.c

As can be seen in Tables C-1 and C-2, the following 21 parameters exceeded the GWPS during the second half of 1996 in samples from monitoring wells at the F-Area HWMF: antimony, cadmium, chromium, cobalt, gross alpha, lead, mercury, nickel, nitrate, nonvolatile beta, phenols, radium-226, radium-228, strontium-90, tetrachloroethylene, thallium, total alpha emitters, total beta emitters, trichloroethylene, trichlorofluoromethane, and tritium. By definition (as the sum of radium-226 and radium-228), total radium also exceeded its GWPS.

The following radionuclides individually exceeded the standard for either total alpha emitters or total beta emitters: americium-241, cesium-137, curium-243/244, iodine-129, technetium-99, uranium-233/234, uranium-235, and uranium-238.

Fifteen other parameters were reported at levels between the laboratory's detection limit and the GWPS: arsenic, barium, copper, cyanide, selenium, silver, vanadium, zinc, dichloromethane (methylene chloride), curium-242, cobalt-60, plutonium-239/240, thorium-228, thorium-230, and thorium-232. Three constituents were not detected at all in any wells: benzene, bis(2-ethylhexyl) phthalate, and plutonium-238. At least one elevated constituent occurred in 91% of the Water Table wells, 81% of the Barnwell/McBean wells, and 63% of the Congaree wells.

Tritium was the primary constituent detected above the GWPS; it was elevated in 67 (70%) of the wells. Gross alpha, nitrate, and nonvolatile beta each were elevated in 30 or more wells. Cadmium, lead, and thallium were the metals that exceeded the GWPS in the largest number of wells during the second half of 1996.

Elevated parameters were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean). However, tritium exceeded the GWPS in twelve of the wells in Aquifer Unit IIA (Congaree), and antimony, lead, nitrate, thallium, gross alpha, and total alpha emitters were elevated in one Congaree Aquifer Unit well each.

Isoconcentration or isoactivity cross-sections and maps included in Appendix B, Volume I, and in Volume II of this report indicate both the concentration or activity and the extent of contaminants during the second half of 1996 in each of the three hydrostratigraphic units.

Tritium, the radionuclide most frequently above the GWPS at the F-Area HWMF, had a maximum activity of 1.8E+04 pCi/mL in Water Table well FSB 79 during fourth quarter 1996. Maximum activities for other key indicator radionuclides were as follows: gross alpha at 2.2E+03 pCi/L in Water Table well FSB 79 during fourth quarter, nonvolatile beta at 2.4E+03 pCi/L in Barnwell/McBean well FSB 94C during fourth quarter, and strontium-90 at 9.5E+02 pCi/L in Barnwell/McBean well FSB 112C during third quarter.

Uranium-233/234 had a maximum concentration of 3.6E+02 in Barnwell/McBean well FSB 95CR during third quarter, and uranium-238 had a maximum concentration of 9.4E+02 in Water Table well FSB 95DR during third quarter. Technetium-99 had a maximum concentration of 3.5E+02 in

Barnwell/McBean well FSB112C during third quarter. The GWPS for total radium was exceeded during third quarter in wells FSB 89D and FSB 91D in Aquifer Zone IIB₂ (Water Table) with activities of 7.2E+00 pCi/L and 6.0E+00 pCi/L, respectively.

The maximum activity of summed alpha emitters occurred in Water Table well FSB 95DR at 1.4E+03 pCi/L, and the maximum activity of summed beta emitters occurred in Barnwell/McBean well FSB112C at 1.4E+03 pCi/L.

Cadmium occurred at a maximum concentration of 36 µg/L in Barnwell/McBean well FSB112C during both third and fourth quarters 1996. Lead was found at a maximum concentration of 410 µg/L in Water Table well FSB113D during third quarter 1996, and nitrate-nitrite (as nitrogen) exceeded the GWPS in numerous wells during the second half of 1996, with a maximum concentration of 350,000 µg/L in Water Table well FSB 79 during both third and fourth quarters.

Groundwater flow in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) is generally south or southeast toward Fourmile Branch (using UTM coordinates). Flow in Aquifer Unit IIA (Congaree) is generally northwest toward Upper Three Runs Creek. Flow directions and rates have remained relatively constant in recent history.

The hydraulic conductivity constant for F Area has been revised based on recent aquifer testing. Using the new constant, the estimated maximum groundwater flow rate in Aquifer Zone IIB₂ (Water Table) during third quarter 1996 ranged from approximately 330 to 370 ft/year and during fourth quarter 1996 from approximately 310 to 400 ft/year. The flow rate estimate in Aquifer Zone IIB₁ (Barnwell/McBean) ranged from approximately 62 to 190 ft/year during third quarter 1996 and from approximately 58 to 150 ft/year during fourth quarter 1996. The flow rate in Aquifer Unit IIA (Congaree) was estimated at 580 ft/year during third quarter 1996 and 470 ft/year during fourth quarter 1996.

Annual Groundwater Monitoring Report

Introduction

SRS monitors groundwater quality at the F-Area HWMF as mandated by the permit and provides results of this monitoring to the South Carolina Department of Health and Environmental Control (SCDHEC) semiannually as required by the permit.

The facility is described in the introduction to Module III, Section C, of the permit. The F-Area HWMF well network monitors three distinct hydrostratigraphic units in the uppermost aquifer beneath the facility. The hydrostratigraphy at the F-Area HWMF is described in permit section IIIC.H.2, and the groundwater monitoring system is described in IIIC.H.4 and Appendix IIIC-B. A detailed description of the uppermost aquifer is included in the Resource Conservation and Recovery Act (RCRA) Part B post-closure care permit application for the F-Area HWMF submitted to SCDHEC in December 1990.

Sampling and analysis are conducted as required by section IIIC.H.6 at the intervals specified in permit sections IIIC.H.10 and Appendix IIIC-D for the constituents specified in Appendix IIIC-D. Groundwater quality is compared to the GWPS list in section IIIC.H.1 and Appendix IIIC-A.

Water Quality and Elevation Data Tables (IIIC.H.11.c.i)

Analytical results and water elevations during the second half of 1996 are presented in this report (Tables C-1 and C-2, Appendix C, Volume I), as required in permit section IIIC.H.11.c.i. Table C-1 lists all detected results during both quarters.

Table C-2 shows water elevations at sampling time, field parameter results, synchronous water elevations, and laboratory analytical data for all F-Area HWMF wells. Table C-2 also identifies the results that received certain modifiers (which help define laboratory accuracy and precision) or that exceeded EPA-approved holding times or the GWPS during the second half of 1996.

Constituent results in Table C-2 that appear to equal the GWPS but are not marked in the *ST* (exceeded GWPS) column are below the GWPS in the database, where results have more significant digits than the results given in this report. Apparent discrepancies thus are due to the rounding of reported results.

In addition to the results tables, Appendix C (Volume I) provides definitions of the abbreviations and the modifiers used in the results tables as well as descriptions of holding times, data rounding, and data qualification practices.

Wells FSB 87D and 106D were dry during both third and fourth quarters, so they do not appear in Table C-2. SRS is evaluating these wells for possible replacement if they continue to be dry,

Variable-speed pumps are installed in wells at the F-Area HWMF that have had a history of elevated analytical results for metals. Samples from these wells are collected at a slower rate to minimize turbidity, which has been associated with elevated metals levels. Currently, wells FSB 77, 78, 78C, 79, 79C, 88D, 89D, 90D, 91D, 92C, 92D, 93D, 94C, 97C, 97D, 98C, 98D, 102C, 104D, 105C, 105DR, 106C, 107D, and 110D and FSL 1D, 2D, 3D, 4D, 5D, 6D, 7D, 8D, and 9D have variable-speed pumps. The remaining FSB wells and well HSB 85A have single-speed pumps.

Hydrographs (IIIC.H.11.c.ii)

Hydrographs showing the water elevations for the F-Area HWMF wells, required by section IIIC.H.11.c.ii of the permit, are provided in Appendix E (Volume I). Hydrograph data include

synchronous measurements and measurements taken during sampling. Clustered wells are shown on a single graph.

Time vs. Concentration Plots (IIIC.H.11.c.iii)

Appendix D (Volume I) contains time series plots for cadmium, gross alpha, lead, nitrate (or nitrate/nitrite), nonvolatile beta, strontium-90, technetium-99, tritium, uranium-233/234, and uranium-238, as required in section IIIC.H.11.c.iii of the permit, for selected wells. These wells were selected to delineate the extent of the constituent distribution, to monitor the migration of the constituents, and to follow trends of constituents present at high levels. Results reported as below detection are not plotted.

Isoconcentration Maps (IIIC.H.11.c.iv)

Isoconcentration maps for strontium-90, technetium-99, uranium-233/234, and uranium-238 in the three hydrostratigraphic units during third quarter 1996 and for cadmium, gross alpha, lead, nitrate, nonvolatile beta, and tritium during fourth quarter 1996 are presented in Volume II. Isoconcentration maps are required by Section IIIC.H.11.c.iv of the permit.

Potentiometric Maps (IIIC.H.11.c.v)

Piezometric and potentiometric surface maps for the monitored water-bearing units during third and fourth quarters 1996 are located in Volume II. Synchronous water elevations measured within a two-week time span were used to construct the piezometric and potentiometric maps. Piezometric and potentiometric surface maps are required by Section IIIC.H.11.c.v of the permit.

Potentiometric and Isoconcentration Cross-Sections (IIIC.H.11.c.vi)

Potentiometric cross-sections required by permit Section IIIC.H.11.c.vi are located in Appendix B of Volume I. Isoconcentration cross-sections of the three hydrostratigraphic units for strontium-90, technetium-99, uranium-233/234, and uranium-238 during third quarter 1996 and for cadmium, gross alpha, lead, nitrate, nonvolatile beta, and tritium during fourth quarter 1996 also are located in Appendix B.

The permit specifies that the cross-sections be created using the most recent data. Well samples from all monitoring wells listed in Appendix IIIC-B of the permit are analyzed for cadmium, gross alpha, lead, nitrate, nonvolatile beta, and tritium quarterly. Strontium-90, technetium-99, uranium-233/234, and uranium-238, however, are monitored for only annually in some wells and semiannually in others, as specified in permit Appendix IIIC-D. The annual sampling for these constituents in all wells occurred during first quarter 1996, while the semiannual sampling was scheduled for third quarter for all point-of-compliance wells and those additional wells specified in Appendix IIIC-D. Thus, some wells on the cross-sections for strontium-90, technetium-99, uranium-233/234, and uranium-238 are marked as NA (not applicable) because sampling was not required in those wells during the latter half of 1996.

Groundwater Flow Rates and Directions (IIIC.H.11.c.vii)

As required by Section III.C.H.11.c.vii, the piezometric and potentiometric maps in Volume II illustrate groundwater flow patterns beneath the F-Area HWMF for third and fourth quarters 1996.

Horizontal flow rate calculations provide a basis for estimates of the transport rate for constituents originating from the F-Area HWMF. Flow rates in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) are calculated along two flow paths (designated flow paths A and B) to characterize the approximate maximum and minimum groundwater flow rates within these units in areas downgradient from the basins. The flow rate in Aquifer Unit IIA (Congaree) is calculated along

a single flow path because the flow rate within this unit is generally more uniform than in the overlying units.

Flow rates are estimated using the following equation:

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

The value dh is the difference in head, and dl is the length of the flow path. Flow path length is calculated to the nearest 50 ft. Maximum flow rate per day is calculated to two significant digits, then multiplied by 365 and rounded to two significant digits for the flow rate per year. Flow rate estimates vary depending on the vertical gradient between wells, the size of the area under consideration, the number of data points, and the length and location of the flow path. Because these calculations are based on inferred or estimated parameters, flow rate estimates are accurate to an order of magnitude only.

Maximum horizontal flow rate estimates for the hydrostratigraphic units during third and fourth quarters are provided in the following table.

Table 1. Horizontal Groundwater Flow Rates (ft/year) in the Hydrostratigraphic Units beneath the F-Area HWMF

	Aquifer Zone IIB ₂ (Water Table)	Aquifer Zone IIB ₁ (Barnwell/McBean)	Aquifer Unit IIA (Congaree)
K _n (ft/day)	40	1.5-10	65
Effective porosity	20%	20%	20%
dh/dl	varies	varies	varies
Flow Rate (3Q96)	330-370	62-190	580
Flow Rate (4Q96)	310-400	58-150	470

The hydraulic conductivity values represent regional average hydraulic conductivities and are consistent with the conductivities used in the recent F-Area Model. Although the conductivity values are revised from those used in previous reports, no physical changes have occurred in the groundwater flow direction or rate. The new values represent the latest available information based on recent aquifer testing.

Flow in Aquifer Zone IIB₂ (Water Table) was southeast (path A) or south (path B) during third quarter 1996 and south along both paths during fourth quarter. Flow in Aquifer Zone IIB₁ (Barnwell/McBean) was south during third and fourth quarters 1996. Flow in Aquifer Unit IIA (Congaree) was northwest toward Upper Three Runs Creek, consistent with the direction reported in previous quarters.

Extent and Severity of Groundwater Contamination (IIIC.H.11.c.viii)

As required by permit Section IIIC.H.11.viii, the extent and severity of groundwater contamination is delineated by the contours above the GPS on the isoconcentration maps and cross-sections.

Tritium is the most widespread contaminant and exceeds the GWPS in all three aquifers (Figure B-14 and maps F-28-F-30). The highest activities are downgradient of the basins in the Water Table and the Barnwell/McBean aquifer zones. Tritium is also present in the Water Table aquifer zone along the F-Area Inactive Process Sewer Line to the basins. Tritium is elevated in the Congaree aquifer unit beneath areas with the highest concentrations in the Barnwell/McBean aquifer zone between the basins and Four Mile Creek.

The extent of the nitrate plume (maps F-16–F-18) is very similar to the tritium plume. The cadmium, gross alpha, and nonvolatile beta plumes (maps F-1–F-6 and F-19–F-21) in the Water Table and Barnwell/McBean are similar in shape but less extensive than the tritium plume.

Individual radionuclides are reported in the Water Table and Barnwell/McBean aquifer zones between the basins and Four Mile Creek. These include technetium-99, strontium-90, uranium-234, and uranium-238 (maps F-7–F-9, F-22–F-24, and F-31–F-36). Uranium-234 and uranium-238 are both reported as elevated in one Congaree well south of the basins.

Lead is elevated in several Water Table and Barnwell/McBean wells (maps F-10–F-12) near the basins. There is no clear pattern to the distribution of elevated lead.

Statistical Evaluation of Water Quality and Elevation Data (IIIC.H.11.c.ix)

This section is not required until corrective action is underway.

Water Quality and Elevation Data (IIIC.H.11.c.x)

Analytical Results

Before reporting, all data received from the contracted laboratories are validated and verified according to EMS and EPA guidelines.

In the analytical results tables,

- Curium-245/246 activities are reported as an upper limit of curium-246 activities, and uranium-233/234 activities are reported as an upper limit of uranium-234, due to analytical limitations.
- Results for radium-226 and radium-228 are reported to meet the requirement for total radium.
- The activity limit for the sum of beta dose (<4 mrem/yr) was assumed to be <50 pCi/L.

Results for analytes that exceeded the GWPS (see Appendix A, Volume I) during third and fourth quarters 1996 in the F-Area HWMF wells are noted in Tables C-1 and C-2 (Appendix C, Volume I).

The following 21 parameters exceeded the GWPS during the second half of 1996 in samples from monitoring wells at the F-Area HWMF: antimony, cadmium, chromium, cobalt, gross alpha, lead, mercury, nickel, nitrate, nonvolatile beta, phenols, radium-226, radium-228, strontium-90, tetrachloroethylene, thallium, total alpha emitters, total beta emitters, trichloroethylene, trichlorofluoromethane, and tritium. By definition (as the sum of radium-226 and radium-228), total radium also exceeded its GWPS.

The following radionuclides individually exceeded the standard for either total alpha emitters or total beta emitters: americium-241, cesium-137, curium-243/244, iodine-129, technetium-99, uranium-233/234, uranium-235, and uranium-238.

Sixteen other parameters were reported at levels between the laboratory's detection limit and the GWPS: arsenic, barium, copper, cyanide, selenium, silver, vanadium, zinc, dichloromethane (methylene chloride), curium-242, cobalt-60, plutonium-239/240, thorium-228, thorium-230, and thorium-232. Three constituents were not detected at all in any wells: benzene, bis(2-ethylhexyl) phthalate, and plutonium-238.

The most contaminated wells in the Water Table aquifer zone, based on numbers of constituents for which they contained the highest results during at least one quarter, are FSB 79 (five constituents, mostly metals) and FSB112D (four constituents, mostly radionuclides). Among Barnwell/McBean aquifer zone wells, FSB 94C contained the highest results for five constituents, and among Congaree aquifer unit wells, FSB120A contained the highest results for three constituents during fourth quarter.

Appendix IX Results

Provision IIIC.H.10.c of the permit requires annual sampling of at least twenty percent of the point-of-compliance (POC) wells at the facility for constituents in Appendix IX of SCHWMM R.61-79.264. The wells to be sampled are determined by a ranking of all POC wells based on concentration and activities of tritium, nonvolatile beta, gross alpha, cadmium, and lead. Ranking of the POC wells was performed for each aquifer zone based on the most recent available final data at the time of ranking. The ranking generated a listing of the most contaminated POC wells in each aquifer zone weighted towards the permit-specific constituents. The wells selected for third quarter 1996 sampling were FSB 94DR, FSB 95DR, FSB 97D, FSB 95CR, FSB 97C, and FSB 97A. Most of the wells proposed for sampling were screened in the Water Table aquifer zone (IIB2) due to the disproportionate amount of contamination in that zone relative to the Barnwell-McBean (IIB1) and Congaree (IIA) zones. Selection of these wells was proposed to the Department (letter, J. W. Cook to C. L. Devlin, ESH-CGP-9-400) and approved (letter, October 22, 1996, C. L. Devlin to J. W. Cook and R. O. Baker).

Sampling was performed in the third quarter of 1996. The final data were reported to SRS on February 25, 1997. Data below a valid detection limit and detections for constituents already on the permitted Groundwater Protection Standards List are not reported in this section. Excluding constituents already on the Groundwater Protection Standards List, the only Appendix IX constituents detected above detection limits in F-Area were as follows:

- Beryllium in well FSB 95CR at a concentration of 13.5 µg/L
- Chloromethane in well FSB 95DR at a concentration of 9.9 µg/L

The Department has been notified of these detections (letter, J. W. Cook to C. L. Devlin, ESH-CGP-97-0063). Confirmation samples were taken March 5, 1997, and the Department will be notified in writing within 15 days of completing the analyses.

Background Results

Wells FSB 76C and 108D and well HSB 85A are the background wells for the F-Area HWMF. No parameters exceeded GWPS in wells FSB 76C and HSB 85A, and only lead exceeded GWPS in FSB108D during the second half of 1996. An X sampling code applied to the samples collected from well FSB108D indicates that stabilization was not achieved because the well went dry during purging. Samples were collected after the well recovered. Thus, analytical results may be of poor precision for many constituents.

Since the new permit went into effect during third quarter 1995, this is the first exceedance of the GWPS for lead in this well. However, lead previously had exceeded the current GWPS of 15 µg/L during the first and second quarters of 1993 and the fourth quarter of 1994, with a highest value of 24 µg/L during first quarter 1993.

Water Elevations

Synchronous water-level elevations were measured on September 17, 18, and 23 during third quarter 1996 and on December 10, 13, 16, and 17 during fourth quarter 1996 in compliance with permit condition IIIC.H.7. Synchronous water levels were not measured at well FSB 90C during third quarter, FSB 90D during fourth quarter, and FSB 87D and 106D during both third and fourth quarters because there was no water in the standpipe where elevation measurements are taken. SRS is evaluating these wells for repair or possible replacement.

Average water elevations in the three hydrostratigraphic units beneath the F-Area HWMF for the past four quarters are shown in the following table.

Table 2. Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the F-Area HWMF

Unit	1Q96	2Q96	3Q96	4Q96
Aquifer Zone IIB ₂ (Water Table)	211.07	210.98	211.01	210.29
Aquifer Zone IIB ₁ (Barnwell/McBean)	205.44	205.10	205.22	204.50
Aquifer Unit IIA (Congaree) ^a	154.79	153.75	154.48	153.17

^aAverages include water elevations from wells in the upper and lower portions of Aquifer Unit IIA (Congaree).

The water levels within each zone remained relatively constant through the year.

During third quarter 1996, the average water elevation in Aquifer Zone IIB₂ (Water Table) rose 0.03 ft compared to second quarter 1996; the average water level in Aquifer Zone IIB₁ (Barnwell/McBean) rose 0.12 ft; and the average water level in Aquifer Unit IIA (Congaree) rose 0.73 ft.

During fourth quarter 1996, the average water elevation in Aquifer Zone IIB₂ (Water Table) fell 0.72 ft compared to third quarter 1996; the average water level in Aquifer Zone IIB₁ (Barnwell/McBean) fell 0.72 ft; and the average water level in Aquifer Unit IIA (Congaree) fell 1.31 ft.

A consistent vertical head relationship exists among the hydrostratigraphic units monitored at the F-Area HWMF (WSRC, 1992a). Flow potential is downward from Aquifer Zone IIB₂ (Water Table) to Aquifer Zone IIB₁ (Barnwell/McBean) and downward from Aquifer Zone IIB₁ (Barnwell/McBean) to Aquifer Unit IIA (Congaree). The heterogeneous nature of the confining zone that separates Aquifer Zone IIB₂ (Water Table) from Aquifer Zone IIB₁ (Barnwell/McBean) may influence vertical flow rates between these two units. A head reversal exists between the lower and upper portions of Aquifer Unit IIA (Congaree) at the F-Area HWMF, which indicates the potential for upward flow within the aquifer. This vertical head relationship among the different monitored units has remained essentially unchanged through past quarters.

The groundwater flow model for the General Separations Area indicates that the vertical component beneath this area is important as a constituent pathway. As in the past, the presence of several constituents at levels exceeding the GWPS in one or more wells in Aquifer Unit IIA (Congaree) indicates that vertical pathways into the deeper water-bearing units exist at the F-Area HWMF.

Volume and Rates of Groundwater Pumped (IIIC.H.11.c.xi)

This section is not required until corrective action is underway.

Volume and Rates of Groundwater Injected (IIIC.H.11.c.xii)

This section is not required until corrective action is underway.

Rainfall and Recharge (IIIC.H.11.c.xiii)

Rainfall data for the period of this report, required by section IIIC.H.11.c.xiii of the permit, are presented below. Rainfall in F Area (200-F) for the second half of 1996 is compared with the SRS average rainfall for the same period and to the SRS historical average rainfall.

Table 3. Rainfall (in.) during Third and Fourth Quarters of 1996

	F-Area (200-F) Rainfall (1996)	SRS Average Rainfall (1996)	SRS Average Rainfall (historical)
Third Quarter	19.5	14.07	14.06
Fourth Quarter	6.5	5.81	9.28
Third and Fourth Quarters	26.0	19.88	23.34
1996 Total	47.0	37.83	48.53

Recharge to groundwater is approximately 30% of rainfall in the General Separations Area.

Summary of System Downtime (IIIC.H.11.c.xiv)

This section is not required until corrective action is underway.

Modifications to the System (IIIC.H.11.c.xv)

This section is not required until corrective action is underway.

Effectiveness of the Corrective Action System (IIIC.H.11.c.xvi)

This section is not required until corrective action is underway.

Errata

This report

Outdated background levels were used in the creation of the data tables in Appendix C of this report. Cobalt was above its current standard in the following wells during third quarter 1996 but is not marked as exceeding standard in Tables C-1 or C-2. The values in the tables are correct; only the mark indicating that the constituent exceeded its standard is missing.

Constituent	Well	Concentration	Qualifier
Cobalt	FSB 88D	10 µg/L	
Cobalt	FSB 89D	49 µg/L	V
Cobalt	FSB 92D	14 µg/L	
Cobalt	FSB 93D	15 µg/L	
Cobalt	FSB 94DR	21 µg/L	
Cobalt	FSB 95DR	20 µg/L	
Cobalt	FSB 97D	23 µg/L	
Cobalt	FSB 98D	37 µg/L	
Cobalt	FSB104D	59 µg/L	
Cobalt	FSB105DR	13 µg/L	
Cobalt	FSB107D	7.7 µg/L	
Cobalt	FSB110D	19 µg/L	
Cobalt	FSB112D	56 µg/L	
Cobalt	FSL 1D	4.2 µg/L	
Cobalt	FSB 91C	9.3 µg/L	
Cobalt	FSB 92C	42 µg/L	
Cobalt	FSB 97C	27 µg/L	
Cobalt	FSB 99C	4.3 µg/L	
Cobalt	FSB120C	5.3 µg/L	V

Appendix A

Groundwater Protection Standard

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Table A-1. Groundwater Protection Standard

Established for the F-Area Hazardous Waste Management Facility by the 1995 RCRA Renewal Permit (SCDHEC, 1995).

Analyte	Concentration/ Activity Limit	Unit
<i>Inorganic Constituents</i>		
Antimony	6	µg/L
Arsenic	50	µg/L
Barium	2,000	µg/L
Cadmium	5	µg/L
Chromium	100	µg/L
Cobalt	2.96 ^a	µg/L
Copper	1,300	µg/L
Cyanide	20 ^b	µg/L
Lead	15	µg/L
Mercury	2	µg/L
Nickel	100	µg/L
Nitrate	10,000	µg/L
Selenium	50	µg/L
Silver	50	µg/L
Thallium	2	µg/L
Vanadium	3.5 ^a	µg/L
Zinc	5,000	µg/L
<i>Organic Constituents</i>		
Benzene	5	µg/L
Bis(2-ethylhexyl) phthalate	10 ^c	µg/L
Dichloromethane (Methylene chloride)	5	µg/L
Phenols	2 ^d	µg/L
Tetrachloroethylene	5	µg/L
Trichloroethylene	5	µg/L
Trichlorofluoromethane	5 ^e	µg/L
<i>Radionuclide Constituents</i>		
Gross alpha	15	pCi/L
Nonvolatile beta	50	pCi/L
Radium, total (radium-226 and -228)	5	pCi/L
Tritium	20,000	pCi/L
Americium-241	Sum of alphas <15 pCi/L	pCi/L
Cesium-137	Sum of beta dose <4 mrem/yr and <50 pCi/L	pCi/L
Curium-242	Sum of alphas <15 pCi/L	pCi/L
Curium-243/244	Sum of alphas <15 pCi/L	pCi/L
Curium-246	Sum of alphas <15 pCi/L	pCi/L
Cobalt-60	Sum of beta dose <4 mrem/yr and <50 pCi/L	pCi/L
Iodine-129	Sum of beta dose <4 mrem/yr and	pCi/L

Analyte	Concentration/ Activity Limit	Unit
	<50 pCi/L	
Plutonium-238	Sum of alphas <15 pCi/L	pCi/L
Plutonium-239/240	Sum of alphas <15 pCi/L	pCi/L
Radium-226	Total radium <5 pCi/L	pCi/L
Radium-228	Sum of beta dose <4 mrem/yr and <50 pCi/L and total radium <5 pCi/L	pCi/L
Strontium-90	Sum of beta dose <4 mrem/yr and <50 pCi/L and strontium-90 <8 pCi/L	pCi/L
Technetium-99	Sum of beta dose <4 mrem/yr and <50 pCi/L	pCi/L
Thorium-228	Sum of alphas <15 pCi/L	pCi/L
Thorium-230	Sum of alphas <15 pCi/L	pCi/L
Thorium-232	Sum of alphas <15 pCi/L	pCi/L
Uranium-233/234	Sum of alphas <15 pCi/L	pCi/L
Uranium-234	Sum of alphas <15 pCi/L	pCi/L
Uranium-235	Sum of alphas <15 pCi/L	pCi/L
Uranium-238	Sum of alphas <15 pCi/L	pCi/L

- ^a Concentrations are observed background levels.
- ^b Concentration is the practical quantitation limit (PQL) for EPA Method 335.2 (used by WA) and 335.3 (used by GE). This is the contract-required PQL for WA and GE.
- ^c Concentration is the Appendix IX PQL for EPA Method 8270 as well as the contract-required PQL for GE and WA.
- ^d Concentration is the PQL for EPA Method 420.1 (used by GE) and 420.2 (used by WA). This is the contract-required PQL for GE and WA.
- ^e Concentration is the Appendix IX PQL for EPA Method 8240 as well as the contract-required PQL for GE and WA.
- ^f 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/yr.

Appendix B

Figures

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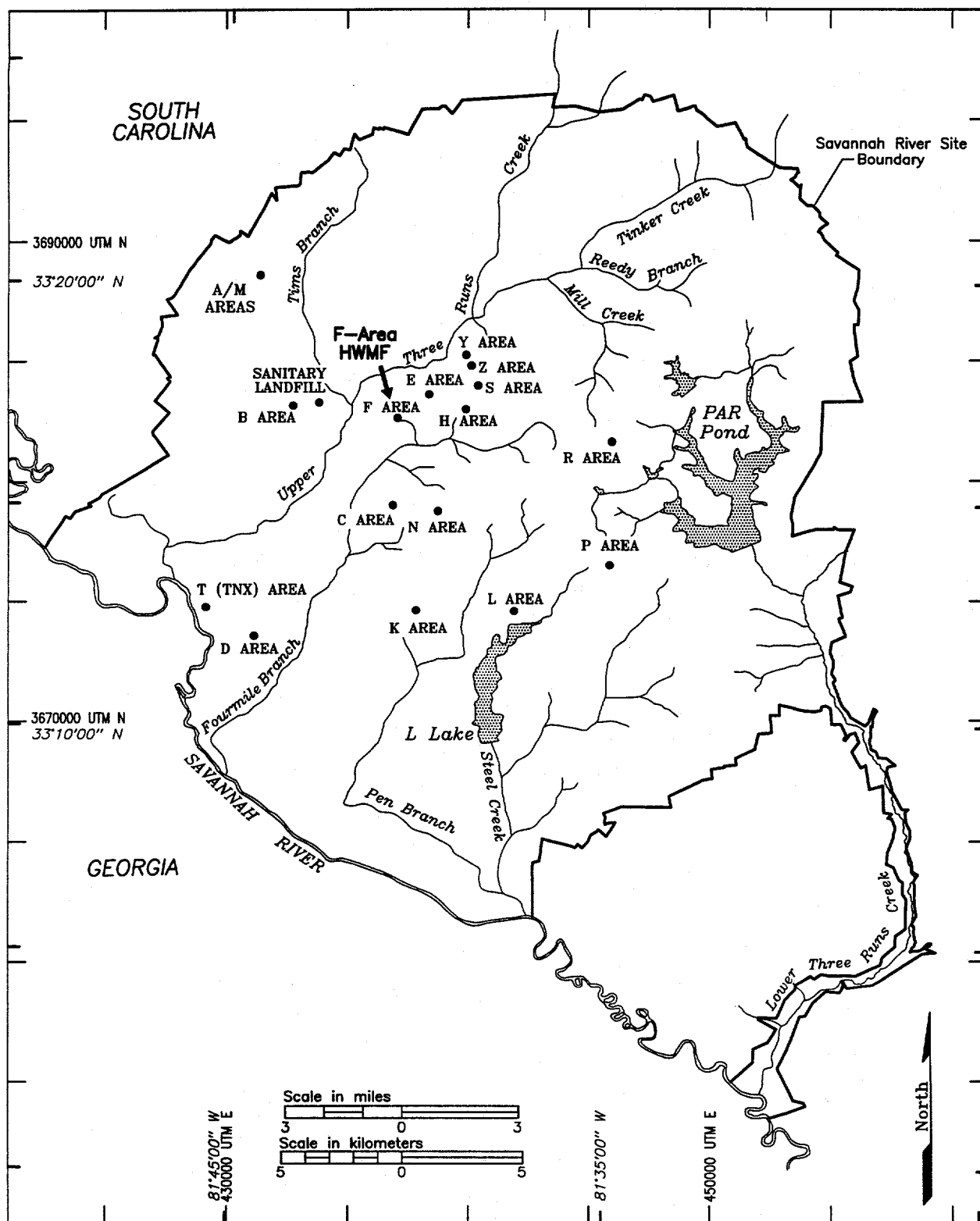


Figure 1. Location of the F-Area HWMF at the Savannah River Site

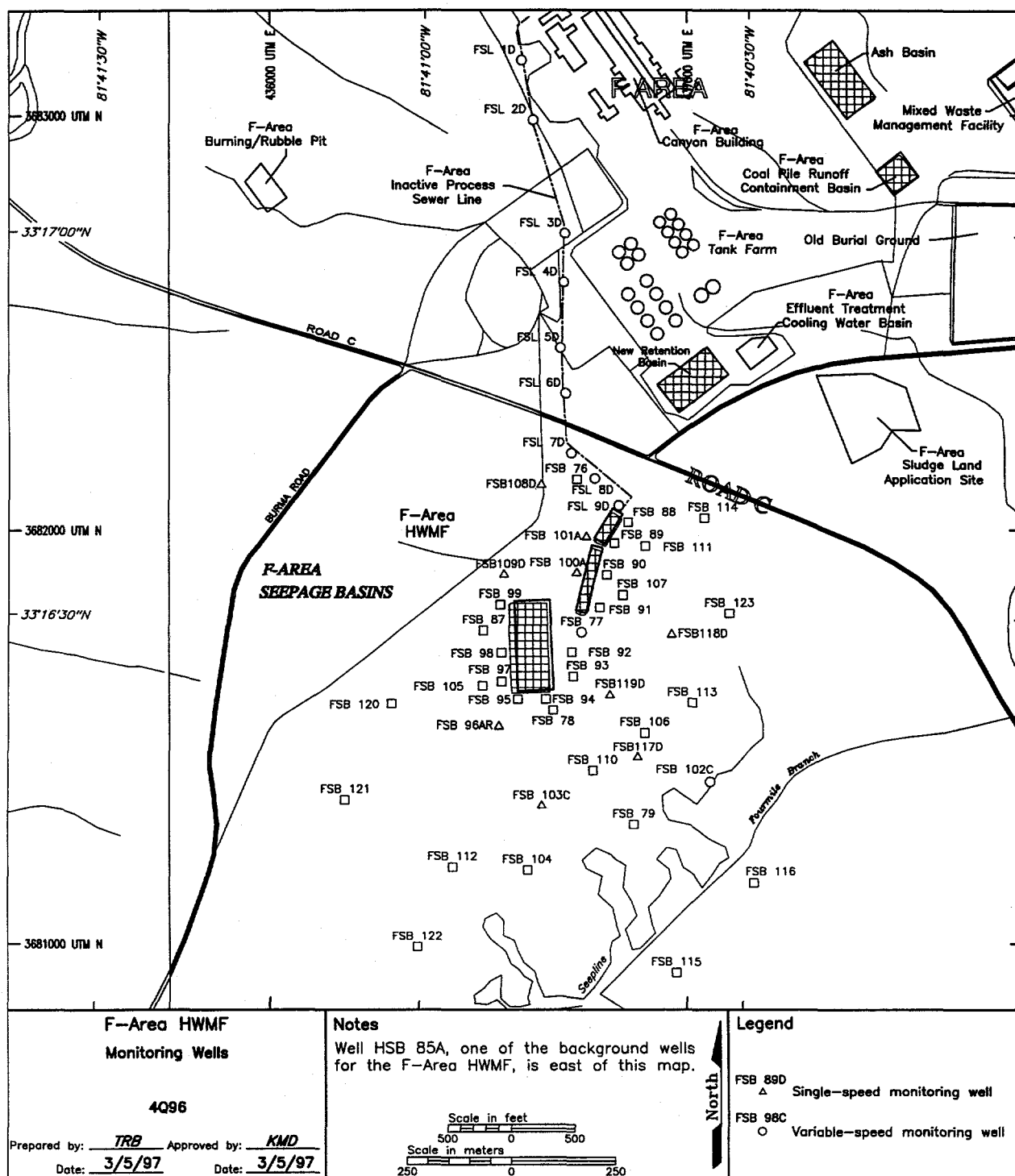


Figure 2. Location of the Groundwater Monitoring Wells at the F-Area HWMF

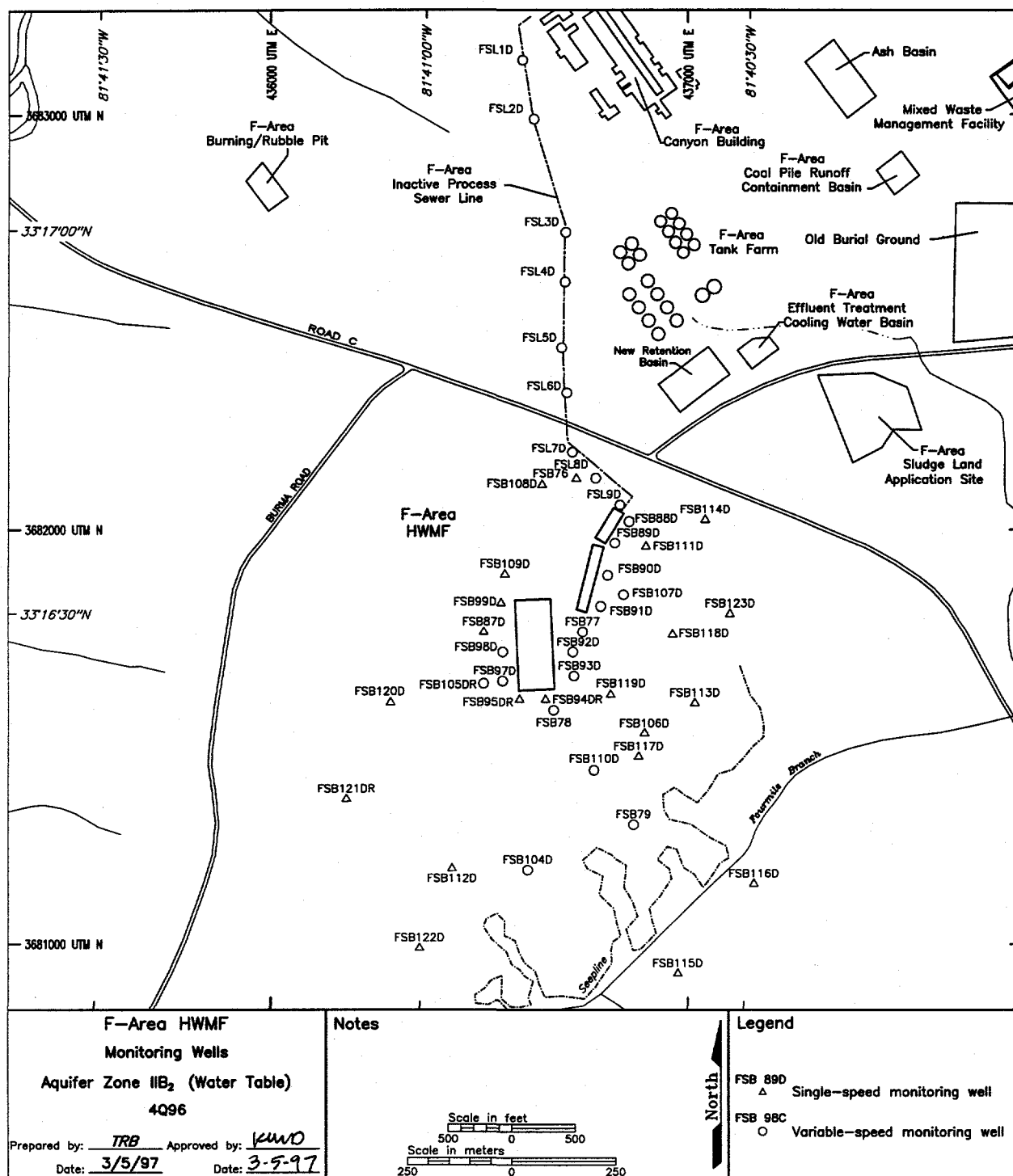


Figure 3. Location of Aquifer Zone IIB₂ (Water Table) Monitoring Wells at the F-Area HWMF

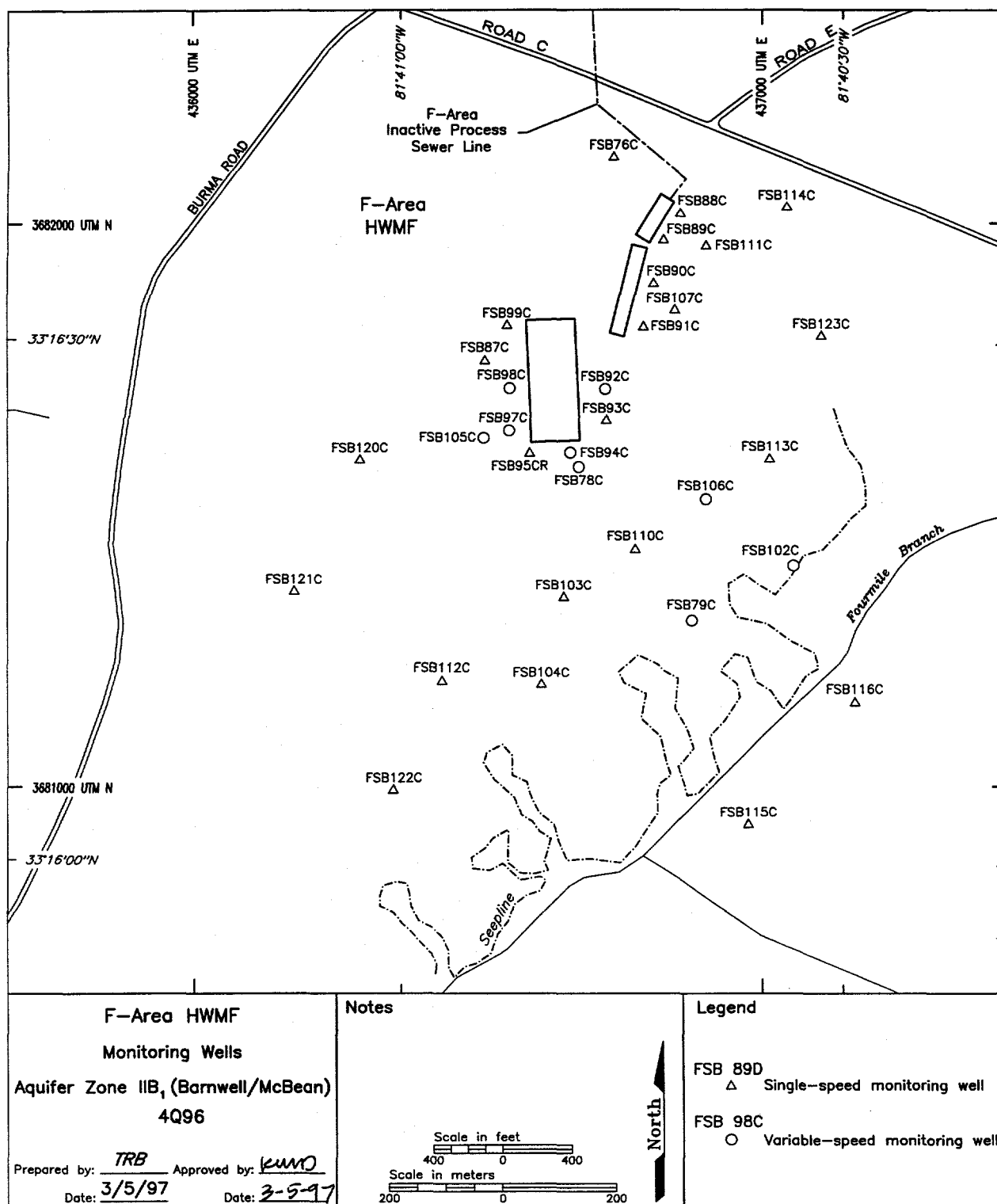


Figure 4. Location of Aquifer Zone IIB₁ (Barnwell/McBean) Monitoring Wells at the F-Area HWMF

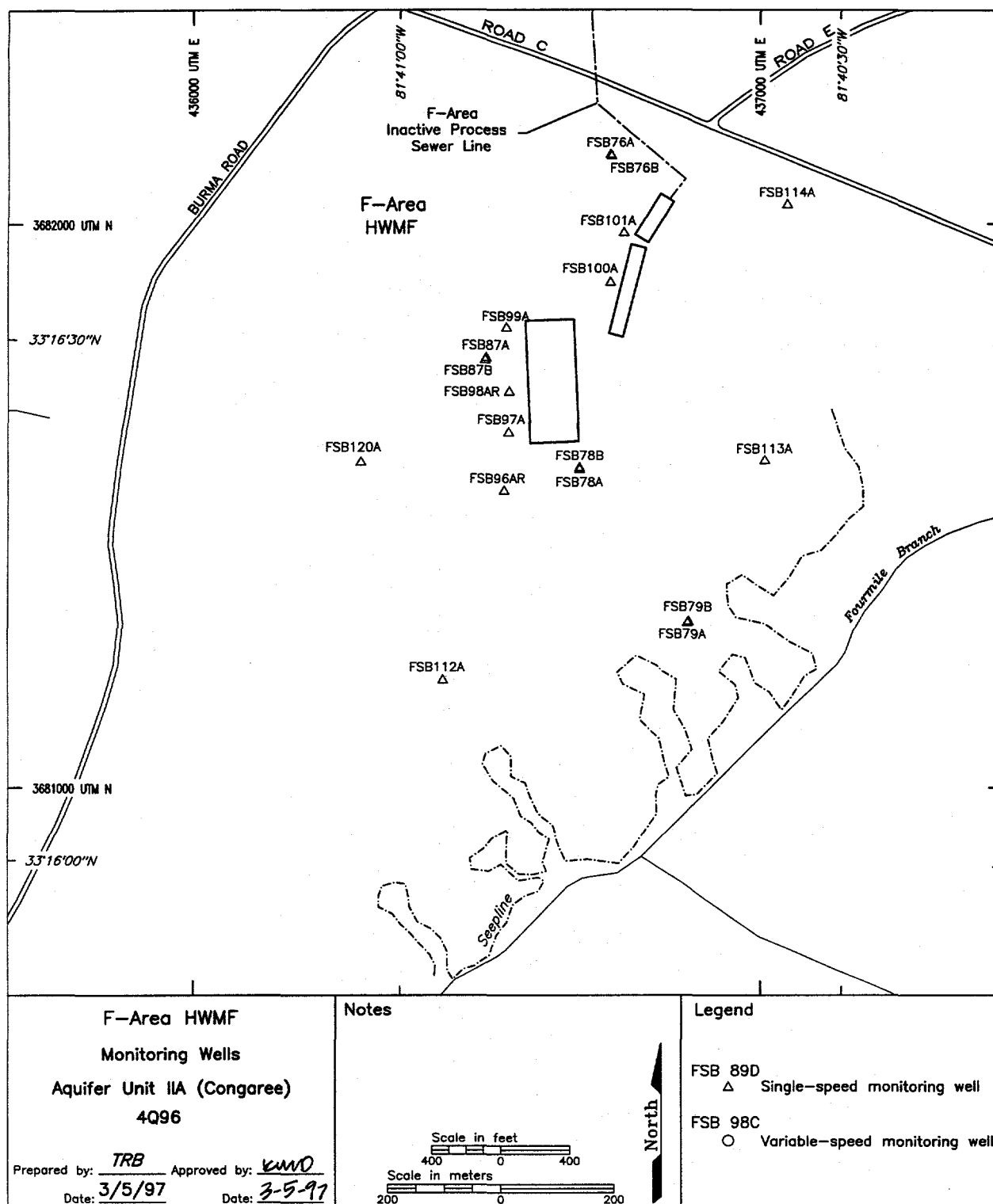


Figure 5. Location of Aquifer Unit IIA (Congaree) Monitoring Wells at the F-Area HWMF

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Appendix C

Groundwater Monitoring Results Tables

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Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

Sp. conductance specific conductance

Laboratories

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

Sampling Codes

B	blank sample was collected
C	well was pumping continuously
D	well was dry
E	equipment blank was collected
I	well went dry during sampling; insufficient water to collect all samples
L	well went dry before sampling began; only depth to water can be determined
N	well was not stabilized before sampling began
P	inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	no water in standpipe; for water-level events only
W	purged water must be containerized; only water-level measurements were obtained
X	well went dry during purging; samples collected after well recovered

Sampling Methods

B	sample collected using an open-bucket bailer
O	sample collected by method other than bailer or pump
P	sample collected using a bladder pump
S	sample collected using a single-speed centrifugal downhole pump
V	sample collected using a variable-speed pump

Units

mg/L	milligrams per liter
msl	mean sea level
MSL	million structures per liter
NTU	nephelometric turbidity unit
pCi/L	picocuries per liter
pCi/mL	picocuries per milliliter
pH	pH unit

µg/L	micrograms per liter
µS/cm	microsiemens per centimeter
Other	
CS	carbon steel
DF	dilution factor column in data tables
E	exponential notation (e.g., $1.1\text{E}-09 = 1.1 \times 10^{-9} = 0.0000000011$)
H	holding time column in data tables
Mod	modifier column in data tables
PDWS	primary drinking water standard
PVC	polyvinyl chloride
ST	exceeded the final PDWS or screening level column in data tables
TOC	Top of casing

Results below Detection

For radiological analyses, the analytical result field contains the result recorded on the analytical instrument and reported by the laboratory, even if it is negative. For nonradiological analyses, if the analyte is not detected, the sample-specific estimated quantitation limit (EQL) is entered into the result field and is reported with a less than [<] sign. The EQL is defined as the lowest concentration that can be achieved reliably within specified limits of precision and accuracy during routine laboratory operating conditions. The sample-specific EQL is modified for sample concentration or dilution or unusual aliquot size that affects analytical sensitivity.

Holding Times

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

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

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

Data Rounding

A constituent result in the analytical results tables that is not marked in the *ST* column but appears to equal an Appendix A standard is below the standard in the database. Values stored in the database contain more significant digits than the reported results. Apparent discrepancies in the tables are due to the rounding of reported results.

Data Qualification

The contract laboratories 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 data modifiers (also referred to as qualifiers) can be a key component in assessing data usability. 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*. All lettered modifiers except *E* are based on EPA's STORET codes.

Modifiers

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

Note: These are only some of the qualifiers present in the database. All modifiers associated with the data are published in the result tables of EPD/EMS' quarterly groundwater monitoring reports, the official repository of the data.

Sampling Dates

Samples for field data are collected once each quarter, but samples for analytical data may be collected more than once each quarter. Because the results tables present the highest analytical results for each quarter, the date of collection for reported analytical results may not coincide with the date of collection for field data.

Table C-1. Constituents Detected in Groundwater During the Second Half of 1996

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Aquifer Zone IIB₂ (Water Table)							
WELL FSB 76							
Barium	µg/L	13	V				
Chromium	µg/L	1.2	J				
Copper	µg/L	360					
Gross alpha	pCi/L	1.2E+01	J		1.3E+01		
Lead	µg/L	32		■	38		■
Nickel	µg/L	4.0	J				
Nitrate-nitrite as nitrogen	µg/L	14,000		■	16,000	V	■
Nonvolatile beta	pCi/L	2.0E+01			1.6E+01		
Radium-226	pCi/L	1.0E+01	V	■			
Radium-228	pCi/L	1.5E+00					
Thorium-230	pCi/L	1.3E-01					
Total alpha emitters	pCi/L	1.3E-01					
Total beta emitters	pCi/L	1.5E+00					
Tritium	pCi/mL	5.9E+02		■	5.9E+02		■
Zinc	µg/L	100	V				
WELL FSB 77							
Cadmium	µg/L	6.0	V	■	9.5		■
Gross alpha	pCi/L	7.9E+02		■	8.5E+02		■
Lead	µg/L	4.4	J		6.4		
Nitrate-nitrite as nitrogen	µg/L	80,000	JV	■	78,000	V	■
Nonvolatile beta	pCi/L	1.3E+03	V	■	1.3E+03		■
Tritium	pCi/mL	3.1E+03		■	1.9E+03		■
WELL FSB 78							
Cadmium	µg/L	15	V	■	18		■
Gross alpha	pCi/L	6.7E+02		■	1.1E+03		■
Nitrate-nitrite as nitrogen	µg/L	100,000	JV	■	180,000		■
Nonvolatile beta	pCi/L	1.5E+03	V	■	2.1E+03		■
Tritium	pCi/mL	7.7E+03		■	8.0E+03		■
WELL FSB 79							
Americium-241	pCi/L	3.3E+01					
Arsenic	µg/L	4.9	J				
Barium	µg/L	1,500	V				
Cadmium	µg/L	9.3	V	■	7.1		■
Chromium	µg/L	23					
Cobalt	µg/L	1,200		■			
Copper	µg/L	130					
Curium-243/244	pCi/L	6.5E+01					
Curium-245/246	pCi/L	1.3E+00					
Cyanide	µg/L	2.6	J				
Gross alpha	pCi/L	7.6E+02		■	2.2E+03		■
Iodine-129	pCi/L	1.2E+02					
Lead	µg/L	2.1	J		4.0	J	
Mercury	µg/L	3.3		■			
Nickel	µg/L	150	V	■			
Nitrate-nitrite as nitrogen	µg/L	350,000	JV	■	350,000		■
Nonvolatile beta	pCi/L	9.7E+02	V	■	1.5E+03		■

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Phenols	µg/L	8.1		■			
Radium-226	pCi/L	2.3E+01	V	■			
Radium-228	pCi/L	1.5E+01		■			
Selenium	µg/L	3.0	J				
Strontium-90	pCi/L	2.6E+02	V	■			
Technetium-99	pCi/L	1.1E+02					
Thallium	µg/L	43		■			
Total alpha emitters	pCi/L	6.8E+02		■			
Total beta emitters	pCi/L	5.1E+02		■			
Tritium	pCi/mL	8.0E+03		■	1.8E+04		■
Uranium-233/234	pCi/L	1.6E+02	V				
Uranium-235	pCi/L	1.6E+01					
Uranium-238	pCi/L	4.1E+02	V				
Vanadium	µg/L	1.0	J				
Zinc	µg/L	230	V				

WELL FSB 88D

Americium-241	pCi/L	1.4E+01					
Barium	µg/L	86					
Cadmium	µg/L	0.70	J		1.0	J	
Chromium	µg/L	3.3	J				
Cobalt	µg/L	10					
Copper	µg/L	40					
Curium-243/244	pCi/L	4.4E+01					
Curium-245/246	pCi/L	3.3E-01					
Gross alpha	pCi/L	3.2E+02		■	1.9E+02	J	■
Iodine-129	pCi/L	7.8E+01					
Lead	µg/L	4.8	J		8.0		
Mercury	µg/L	5.4		■			
Nickel	µg/L	13					
Nitrate-nitrite as nitrogen	µg/L	38,000	VY	■	36,000	V	■
Nonvolatile beta	pCi/L	4.7E+02		■	3.4E+02		■
Plutonium-239/240	pCi/L	1.6E-01					
Radium-226	pCi/L	2.5E+00					
Radium-228	pCi/L	5.1E+00		■			
Strontium-90	pCi/L	1.5E+02	V	■			
Technetium-99	pCi/L	3.6E+01	J				
Total alpha emitters	pCi/L	4.3E+02		■			
Total beta emitters	pCi/L	2.7E+02		■			
Tritium	pCi/mL	6.3E+02		■	9.0E+02		■
Uranium-233/234	pCi/L	1.6E+02	V				
Uranium-235	pCi/L	1.7E+01					
Uranium-238	pCi/L	2.0E+02	V				
Vanadium	µg/L	0.99	J				
Zinc	µg/L	71					

WELL FSB 89D

Americium-241	pCi/L	7.0E+00					
Barium	µg/L	33	V				
Cadmium	µg/L	1.3	J		4.9		
Chromium	µg/L	5.3					
Cobalt	µg/L	49	V				
Copper	µg/L	18	V				
Curium-243/244	pCi/L	4.2E+00					
Curium-245/246	pCi/L	2.0E-01					
Gross alpha	pCi/L	1.4E+02		■	3.2E+02	J	■
Iodine-129	pCi/L	5.5E+01	J				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Lead	µg/L	3.2	J		2.8	J	
Mercury	µg/L	2.9	J	■			
Nickel	µg/L	6.7	JV				
Nitrate-nitrite as nitrogen	µg/L	18,000	V	■	44,000	V	■
Nonvolatile beta	pCi/L	3.7E+02		■	8.5E+02		■
Radium-226	pCi/L	3.7E+00					
Radium-228	pCi/L	3.5E+00					
Strontium-90	pCi/L	1.7E+02		■			
Technetium-99	pCi/L	2.6E+01					
Thorium-230	pCi/L	1.9E-01					
Total alpha emitters	pCi/L	1.6E+02		■			
Total beta emitters	pCi/L	2.6E+02		■			
Tritium	pCi/mL	8.2E+02		■	1.4E+03		■
Uranium-233/234	pCi/L	6.5E+01					
Uranium-235	pCi/L	6.2E+00					
Uranium-238	pCi/L	8.0E+01					

WELL FSB 90D

Cadmium	µg/L				11		■
Gross alpha	pCi/L				8.6E+02		■
Lead	µg/L				71		■
Nitrate-nitrite as nitrogen	µg/L				140,000		■
Nonvolatile beta	pCi/L				2.0E+03		■
Tritium	pCi/mL				1.1E+04		■

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Americium-241	pCi/L	1.2E+00					
Arsenic	µg/L	2.2	J				
Barium	µg/L	40	V				
Cadmium	µg/L	0.43	J				
Chromium	µg/L	0.88	J				
Cobalt	µg/L	0.86	J				
Copper	µg/L	9.4	V				
Curium-243/244	pCi/L	1.0E+00					
Gross alpha	pCi/L	1.1E+02		■	1.0E+02		■
Iodine-129	pCi/L	1.7E+01	J				
Lead	µg/L	1.2	J		1.3	J	
Mercury	µg/L	0.26	V				
Nickel	µg/L	1.8	J				
Nitrate-nitrite as nitrogen	µg/L	11,000	V	■	11,000	V	■
Nonvolatile beta	pCi/L	6.1E+01		■	5.9E+01		■
Radium-226	pCi/L	3.8E+00	V				
Radium-228	pCi/L	2.2E+00					
Strontium-90	pCi/L	2.5E+01		■			
Thorium-230	pCi/L	1.8E-01					
Total alpha emitters	pCi/L	1.1E+02		■			
Total beta emitters	pCi/L	4.4E+01					
Tritium	pCi/mL	1.8E+02		■	3.4E+02		■
Uranium-233/234	pCi/L	4.2E+01					
Uranium-235	pCi/L	4.7E+00					
Uranium-238	pCi/L	6.1E+01	V				
Zinc	µg/L	10					

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Americium-241	pCi/L	2.9E+01					
Arsenic	µg/L	6.9					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Barium	µg/L	430	V				
Cadmium	µg/L	18	V	■	20		■
Chromium	µg/L	4.1					
Cobalt	µg/L	14					
Copper	µg/L	35					
Curium-243/244	pCi/L	1.8E+01					
Curium-245/246	pCi/L	7.1E-01					
Gross alpha	pCi/L	6.1E+02		■	8.7E+02		■
Iodine-129	pCi/L	6.7E+01					
Lead	µg/L	4.0	J		3.6	J	
Mercury	µg/L	0.40					
Nickel	µg/L	21	V				
Nitrate-nitrite as nitrogen	µg/L	120,000	JV	■	150,000		■
Nonvolatile beta	pCi/L	1.4E+03	V	■	1.6E+03		■
Radium-226	pCi/L	4.8E+01	V	■			
Radium-228	pCi/L	2.9E+01		■			
Strontium-90	pCi/L	5.7E+02	V	■			
Technetium-99	pCi/L	6.2E+01					
Total alpha emitters	pCi/L	5.0E+02		■			
Total beta emitters	pCi/L	7.3E+02		■			
Tritium	pCi/mL	4.9E+03		■	6.7E+03		■
Uranium-233/234	pCi/L	2.0E+02	V				
Uranium-235	pCi/L	1.7E+01					
Uranium-238	pCi/L	2.4E+02	V				
Vanadium	µg/L	1.5	J				
Zinc	µg/L	76	V				

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Americium-241	pCi/L	5.0E+00					
Arsenic	µg/L	14					
Barium	µg/L	390					
Cadmium	µg/L	14		■	16		■
Chromium	µg/L	2.0	J				
Cobalt	µg/L	15					
Cobalt-60	pCi/L	3.9E+00					
Copper	µg/L	54					
Curium-243/244	pCi/L	2.4E+00					
Curium-245/246	pCi/L	2.9E-01					
Gross alpha	pCi/L	1.7E+02		■	3.1E+02		■
Iodine-129	pCi/L	9.0E+01					
Lead	µg/L	9.8			8.7		
Mercury	µg/L	0.40					
Nickel	µg/L	22					
Nitrate-nitrite as nitrogen	µg/L	120,000	V	■	140,000		■
Nonvolatile beta	pCi/L	2.0E+03		■	1.7E+03		■
Plutonium-239/240	pCi/L	4.2E-01					
Radium-226	pCi/L	2.5E+01		■			
Radium-228	pCi/L	2.8E+01		■			
Strontium-90	pCi/L	8.8E+02	V	■			
Technetium-99	pCi/L	1.0E+02					
Thallium	µg/L	2.2	J	■			
Thorium-228	pCi/L	6.1E-01					
Total alpha emitters	pCi/L	1.5E+02		■			
Total beta emitters	pCi/L	1.1E+03		■			
Trichloroethylene	µg/L	3.8					
Tritium	pCi/mL	6.5E+03		■	6.5E+03		■
Uranium-233/234	pCi/L	5.7E+01	V				
Uranium-235	pCi/L	4.7E+00					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Uranium-238	pCi/L	8.0E+01	V				
Vanadium	µg/L	0.25	J				
Zinc	µg/L	79					
WELL FSB 94DR							
Americium-241	pCi/L	3.8E+01					
Barium	µg/L	530					
Cadmium	µg/L	3.7			3.3		
Cesium-137	pCi/L	1.1E+02					
Chromium	µg/L	0.81	J				
Cobalt	µg/L	21					
Copper	µg/L	51					
Curium-243/244	pCi/L	6.4E+01					
Curium-245/246	pCi/L	6.8E-01					
Gross alpha	pCi/L	6.1E+02		■	9.1E+02		■
Iodine-129	pCi/L	6.7E+01					
Lead	µg/L				1.3	J	
Mercury	µg/L	1.8					
Nickel	µg/L	17					
Nitrate-nitrite as nitrogen	µg/L	89,000	V	■	100,000		■
Nonvolatile beta	pCi/L	8.2E+02		■	1.1E+03		■
Plutonium-239/240	pCi/L	4.0E-01					
Radium-226	pCi/L	1.2E+01		■			
Radium-228	pCi/L	3.0E+01		■			
Strontium-90	pCi/L	2.2E+02	V	■			
Technetium-99	pCi/L	7.2E+01	J				
Thallium	µg/L	5.9		■			
Thorium-228	pCi/L	9.9E-01					
Total alpha emitters	pCi/L	1.1E+03		■			
Total beta emitters	pCi/L	5.0E+02		■			
Trichloroethylene	µg/L	3.5					
Tritium	pCi/mL	3.9E+03		■	4.3E+03		■
Uranium-233/234	pCi/L	3.3E+02	V				
Uranium-235	pCi/L	4.2E+01					
Uranium-238	pCi/L	6.6E+02	V				
Vanadium	µg/L	0.32	J				
Zinc	µg/L	56					
WELL FSB 95DR							
Americium-241	pCi/L	4.4E+01					
Barium	µg/L	340	V				
Cadmium	µg/L				17		■
Cesium-137	pCi/L	3.6E+02					
Cobalt	µg/L	20					
Copper	µg/L	66					
Curium-243/244	pCi/L	2.6E+01					
Gross alpha	pCi/L	7.8E+02		■	1.0E+03		■
Iodine-129	pCi/L	2.4E+02					
Lead	µg/L	15		■	2.3	J	
Mercury	µg/L	0.46					
Nickel	µg/L	17	V				
Nitrate-nitrite as nitrogen	µg/L	210,000	JV	■	180,000		■
Nonvolatile beta	pCi/L	7.9E+02	V	■	2.2E+03		■
Radium-226	pCi/L	6.9E+00		■			
Radium-228	pCi/L	2.9E+01		■			
Selenium	µg/L	1.7	J				
Strontium-90	pCi/L	5.7E+01	V	■			

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Technetium-99	pCi/L	4.2E+01		■			
Thallium	µg/L	4.8	J	■			
Total alpha emitters	pCi/L	1.4E+03		■			
Total beta emitters	pCi/L	7.3E+02		■			
Tritium	pCi/mL	6.5E+03		■	6.9E+03		■
Uranium-233/234	pCi/L	3.2E+02	V				
Uranium-235	pCi/L	3.6E+01					
Uranium-238	pCi/L	9.4E+02	V				
Vanadium	µg/L	0.43	J				
Zinc	µg/L	72	V				

WELL FSB 97D

Americium-241	pCi/L	2.1E+01					
Barium	µg/L	620					
Cadmium	µg/L	4.1			3.4		
Cesium-137	pCi/L	4.3E+00					
Chromium	µg/L	5.1					
Cobalt	µg/L	23					
Copper	µg/L	43					
Curium-243/244	pCi/L	1.8E+01					
Curium-245/246	pCi/L	7.8E-01					
Gross alpha	pCi/L	6.9E+02		■	6.2E+02		■
Iodine-129	pCi/L	3.6E+01					
Lead	µg/L	37		■	26		■
Mercury	µg/L	0.13	J				
Nickel	µg/L	21					
Nitrate-nitrite as nitrogen	µg/L	100,000	V	■	87,000		■
Nonvolatile beta	pCi/L	7.6E+02		■	6.8E+02		■
Radium-226	pCi/L	1.0E+01		■			
Radium-228	pCi/L	2.1E+01		■			
Selenium	µg/L	3.6	J				
Strontium-90	pCi/L	2.0E+02	V	■			
Technetium-99	pCi/L	4.2E+01	J				
Thallium	µg/L	4.4	J	■			
Total alpha emitters	pCi/L	7.9E+02		■			
Total beta emitters	pCi/L	3.0E+02		■			
Tritium	pCi/mL	3.5E+03		■	3.0E+03		■
Uranium-233/234	pCi/L	2.2E+02	V				
Uranium-235	pCi/L	2.4E+01					
Uranium-238	pCi/L	5.1E+02	V				
Vanadium	µg/L	0.97	J				
Zinc	µg/L	89					

WELL FSB 98D

Americium-241	pCi/L	2.2E+01					
Barium	µg/L	420					
Cadmium	µg/L	13		■	12		■
Chromium	µg/L	1.3	J				
Cobalt	µg/L	37					
Copper	µg/L	70					
Curium-243/244	pCi/L	1.8E+01					
Curium-245/246	pCi/L	6.2E-01					
Gross alpha	pCi/L	4.9E+02		■	3.7E+02		■
Iodine-129	pCi/L	3.0E+01					
Lead	µg/L	28		■	30		■
Nickel	µg/L	19					
Nitrate-nitrite as nitrogen	µg/L	90,000	V	■	90,000		■

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Nonvolatile beta	pCi/L	1.1E+03		■	9.9E+02		■
Radium-226	pCi/L	9.0E+00		■			
Radium-228	pCi/L	2.1E+01		■			
Selenium	µg/L	2.3	J				
Strontium-90	pCi/L	4.6E+02	V	■			
Technetium-99	pCi/L	3.2E+01	J				
Total alpha emitters	pCi/L	8.2E+02		■			
Total beta emitters	pCi/L	5.4E+02		■			
Trichloroethylene	µg/L	6.6		■			
Tritium	pCi/mL	3.2E+03		■	2.7E+03		■
Uranium-233/234	pCi/L	2.2E+02	V				
Uranium-235	pCi/L	2.2E+01					
Uranium-238	pCi/L	5.4E+02	V				
Vanadium	µg/L	0.44	J				
Zinc	µg/L	180					
WELL FSB 99D							
Barium	µg/L	7.4	V				
Cadmium	µg/L				0.11	J	
Chromium	µg/L	0.63	J				
Cobalt	µg/L	0.41	J				
Copper	µg/L	7.1					
Gross alpha	pCi/L	1.6E+01		■	1.3E+01	J	
Lead	µg/L	5.4			6.4		
Nitrate-nitrite as nitrogen	µg/L	1,900	V		2,000	V	
Nonvolatile beta	pCi/L	1.6E+01			1.2E+01		
Strontium-90	pCi/L	5.5E+00					
Total alpha emitters	pCi/L	1.2E+01					
Total beta emitters	pCi/L	5.5E+00					
Tritium	pCi/mL	1.7E+01			1.6E+01		
Uranium-233/234	pCi/L	3.4E+00					
Uranium-235	pCi/L	2.8E-01					
Uranium-238	pCi/L	8.7E+00					
Vanadium	µg/L	0.36	J				
WELL FSB104D							
Americium-241	pCi/L	7.8E+00					
Arsenic	µg/L	3.5	J				
Barium	µg/L	270					
Cadmium	µg/L	7.0		■	5.8		■
Chromium	µg/L	1.3	J				
Cobalt	µg/L	59					
Copper	µg/L	57					
Curium-243/244	pCi/L	5.7E+00					
Curium-245/246	pCi/L	2.3E-01					
Gross alpha	pCi/L	3.8E+02		■	6.1E+02		■
Iodine-129	pCi/L	3.0E+01					
Lead	µg/L				140		■
Mercury	µg/L	0.15	J				
Nickel	µg/L	26					
Nitrate-nitrite as nitrogen	µg/L	120,000	V	■	51,000	V	■
Nonvolatile beta	pCi/L	5.2E+02		■	7.7E+02		■
Radium-226	pCi/L	3.4E+01		■			
Radium-228	pCi/L	1.9E+01		■			
Strontium-90	pCi/L	4.2E+02	V	■			
Technetium-99	pCi/L	5.0E+01	J				
Total alpha emitters	pCi/L	3.6E+02		■			

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Total beta emitters	pCi/L	5.2E+02		■			
Tritium	pCi/mL	6.0E+03	J	■	5.0E+03		■
Uranium-233/234	pCi/L	1.5E+02	V				
Uranium-235	pCi/L	1.5E+01					
Uranium-238	pCi/L	1.8E+02	V				
Vanadium	µg/L	0.50	J				
Zinc	µg/L	64					
WELL FSB105DR							
Americium-241	pCi/L	2.2E+00					
Barium	µg/L	160					
Chromium	µg/L	0.98	J				
Cobalt	µg/L	13					
Copper	µg/L	21	V				
Curium-243/244	pCi/L	1.9E+00					
Gross alpha	pCi/L	1.8E+02		■	3.6E+02		■
Iodine-129	pCi/L	1.2E+01					
Mercury	µg/L	0.038	J				
Nickel	µg/L	4.6	J				
Nitrate-nitrite as nitrogen	µg/L	16,000	V	■	12,000		■
Nonvolatile beta	pCi/L	2.3E+02		■	2.3E+02		■
Radium-226	pCi/L	6.9E+00		■			
Radium-228	pCi/L	1.5E+01		■			
Strontium-90	pCi/L	1.6E+01		■			
Total alpha emitters	pCi/L	4.3E+00					
Total beta emitters	pCi/L	4.3E+01					
Trichloroethylene	µg/L	1.6	J				
Tritium	pCi/mL	2.5E+02		■	1.0E+02		■
Uranium-238	pCi/L	1.8E-01					
WELL FSB107D							
Americium-241	pCi/L	6.2E+00					
Arsenic	µg/L	4.3	J				
Barium	µg/L	85					
Cadmium	µg/L	0.86	J		1.6	J	
Cesium-137	pCi/L	7.0E+00					
Cobalt	µg/L	7.7					
Copper	µg/L	39	V				
Curium-243/244	pCi/L	2.6E+00					
Curium-245/246	pCi/L	5.2E-01					
Gross alpha	pCi/L	2.6E+02		■	5.6E+02		■
Iodine-129	pCi/L	8.4E+01					
Lead	µg/L				7.7		
Mercury	µg/L	8.4		■			
Nickel	µg/L	5.3	J				
Nitrate-nitrite as nitrogen	µg/L	27,000	V	■	41,000		■
Nonvolatile beta	pCi/L	4.5E+02		■	6.6E+02		■
Radium-226	pCi/L	1.1E+01		■			
Radium-228	pCi/L	8.4E+00		■			
Strontium-90	pCi/L	1.8E+02		■			
Total alpha emitters	pCi/L	3.9E+02		■			
Total beta emitters	pCi/L	2.8E+02		■			
Tritium	pCi/mL	9.2E+02		■	1.4E+03		■
Uranium-233/234	pCi/L	1.6E+02					
Uranium-235	pCi/L	1.5E+01					
Uranium-238	pCi/L	2.0E+02					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL FSB108D							
Cadmium	µg/L				0.37	J	
Gross alpha	pCi/L	9.5E-01			1.8E+00		
Lead	µg/L	16		■	6.1		
Nitrate-nitrite as nitrogen	µg/L	1,700			1,600	V	
Nonvolatile beta	pCi/L				1.9E+00		
Tritium	pCi/mL	1.1E+01			1.0E+01		
WELL FSB109D							
Barium	µg/L	8.6	V				
Copper	µg/L	13	V				
Gross alpha	pCi/L	6.0E-01			6.6E-01		
Lead	µg/L	5.8			6.0		
Nickel	µg/L	3.6	J				
Nitrate-nitrite as nitrogen	µg/L	1,700	V		1,800		
Nonvolatile beta	pCi/L	2.1E+00			2.0E+00		
Thorium-230	pCi/L	1.5E-01					
Total alpha emitters	pCi/L	1.5E-01					
Tritium	pCi/mL	1.8E+01			1.9E+01		
Zinc	µg/L	220					
WELL FSB110D							
Americium-241	pCi/L	2.6E+01					
Barium	µg/L	150					
Cadmium	µg/L	10		■	7.2		■
Chromium	µg/L	5.3					
Cobalt	µg/L	19					
Copper	µg/L	74					
Curium-243/244	pCi/L	4.7E+01					
Curium-245/246	pCi/L	1.0E+00					
Gross alpha	pCi/L	5.7E+02		■	8.5E+02		■
Iodine-129	pCi/L	3.2E+02					
Lead	µg/L	2.0	J		2.6	J	
Mercury	µg/L	0.082	J				
Nickel	µg/L	31					
Nitrate-nitrite as nitrogen	µg/L	170,000	V	■	150,000	V	■
Nonvolatile beta	pCi/L	1.0E+03		■	1.1E+03		■
Radium-226	pCi/L	9.4E+00		■			
Radium-228	pCi/L	2.3E+01		■			
Selenium	µg/L	2.4	J				
Strontium-90	pCi/L	1.4E+02	V	■			
Technetium-99	pCi/L	1.0E+02	J				
Thallium	µg/L	6.8		■			
Thorium-228	pCi/L	7.8E-01		■			
Total alpha emitters	pCi/L	1.2E+03		■			
Total beta emitters	pCi/L	5.9E+02		■			
Trichloroethylene	µg/L	1.7	J				
Tritium	pCi/mL	8.2E+03	J	■	6.4E+03		■
Uranium-233/234	pCi/L	2.4E+02	V				
Uranium-235	pCi/L	2.9E+01					
Uranium-238	pCi/L	8.7E+02	V				
Vanadium	µg/L	1.4	J				
Zinc	µg/L	120					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL FSB111D							
Barium	µg/L	25	V		10		
Cadmium	µg/L	0.11	J		0.56	J	
Copper	µg/L	180	V				
Gross alpha	pCi/L	1.1E+00			2.3E+00		
Lead	µg/L	22		■	6.4		
Nickel	µg/L	4.7	J		1.8	J	
Nitrate-nitrite as nitrogen	µg/L	770	V		1,700	V	
Nonvolatile beta	pCi/L	2.3E+00			3.6E+00		
Radium-226	pCi/L	1.2E+00					
Strontium-90	pCi/L	3.9E-01					
Tetrachloroethylene	µg/L	6.7		■			
Thallium	µg/L	2.4	J	■			
Thorium-230	pCi/L	1.9E-01					
Total alpha emitters	pCi/L	1.9E-01					
Total beta emitters	pCi/L	3.9E-01					
Tritium	pCi/mL	1.0E+01			7.7E+00		
Zinc	µg/L	150					
WELL FSB112D							
Barium	µg/L	720					
Cadmium	µg/L	14		■	12		■
Chromium	µg/L	0.98	J				
Cobalt	µg/L	56					
Copper	µg/L	72					
Gross alpha	pCi/L	1.3E+02		■	2.8E+02		■
Iodine-129	pCi/L	2.7E+01					
Nickel	µg/L	34					
Nitrate-nitrite as nitrogen	µg/L	83,000	V	■	80,000	V	■
Nonvolatile beta	pCi/L	2.0E+03		■	2.0E+03		■
Plutonium-239/240	pCi/L	2.3E-01					
Radium-226	pCi/L	9.1E+01		■			
Radium-228	pCi/L	4.1E+01		■			
Strontium-90	pCi/L	9.3E+02	V	■			
Technetium-99	pCi/L	5.4E+01	J				
Thallium	µg/L	2.9	J	■			
Total alpha emitters	pCi/L	1.7E+01		■			
Total beta emitters	pCi/L	1.1E+03		■			
Tritium	pCi/mL	3.2E+03	J	■	3.2E+03		■
Uranium-233/234	pCi/L	9.1E+00	V				
Uranium-235	pCi/L	5.0E-01					
Uranium-238	pCi/L	7.1E+00	V				
Zinc	µg/L	72					
WELL FSB113D							
Barium	µg/L	5.5	V				
Cadmium	µg/L	0.47	J				
Gross alpha	pCi/L	7.9E-01			1.0E+00		
Lead	µg/L	410		■	1.2	J	
Nickel	µg/L	2.0	J				
Nitrate-nitrite as nitrogen	µg/L	1,200	V		960	V	
Nonvolatile beta	pCi/L	2.1E+00			3.1E+00		
Tritium	pCi/mL	8.1E+00			8.5E+00		

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL FSB114D							
Gross alpha	pCi/L	5.4E-01			1.9E+00		
Lead	µg/L	5.7			6.0		
Nitrate-nitrite as nitrogen	µg/L	2,200	V		2,000	V	
Nonvolatile beta	pCi/L				1.8E+00		
Tritium	pCi/mL	6.8E+00			6.5E+00		
WELL FSB115D							
Gross alpha	pCi/L	5.8E+00			2.4E+00		
Lead	µg/L	36		■	22		■
Nitrate-nitrite as nitrogen	µg/L	250	V		360	V	
Nonvolatile beta	pCi/L	4.3E+00			1.9E+00		
Tritium	pCi/mL	8.1E+00			8.6E+00		
WELL FSB116D							
Gross alpha	pCi/L	9.8E-01			1.1E+00		
Lead	µg/L	25		■	34		■
Nitrate-nitrite as nitrogen	µg/L	300			300	V	
Nonvolatile beta	pCi/L	2.2E+00					
Tritium	pCi/mL	1.0E+01			1.0E+01		
WELL FSB117D							
Cadmium	µg/L	4.1			4.9		
Gross alpha	pCi/L	5.0E+02		■	7.5E+02		■
Nitrate-nitrite as nitrogen	µg/L	42,000	V	■	30,000	V	■
Nonvolatile beta	pCi/L	6.2E+02		■	7.8E+02		■
Tritium	pCi/mL	1.2E+03		■	1.7E+03		■
WELL FSB118D							
Barium	µg/L	8.1					
Chromium	µg/L	1.2	J				
Cobalt	µg/L	1.0	J				
Copper	µg/L	29					
Gross alpha	pCi/L	6.4E-01			2.0E+00		
Lead	µg/L	3.2	J		3.4	J	
Mercury	µg/L	0.25					
Nickel	µg/L	1.6	J				
Nitrate-nitrite as nitrogen	µg/L	1,100	V		1,200	V	
Nonvolatile beta	pCi/L				1.8E+00		
Plutonium-239/240	pCi/L	1.2E-01					
Thorium-230	pCi/L	2.4E-01					
Thorium-232	pCi/L	4.4E-01					
Total alpha emitters	pCi/L	8.0E-01					
Trichlorofluoromethane	µg/L	2.9					
Tritium	pCi/mL	1.0E+01			8.4E+00		
Zinc	µg/L	35					
WELL FSB119D							
Cadmium	µg/L	6.9		■	6.6	V	■
Gross alpha	pCi/L	1.2E+03		■	1.5E+03		■
Lead	µg/L	310		■	150	V	■
Nitrate-nitrite as nitrogen	µg/L	53,000	JV	■	75,000	V	■
Nonvolatile beta	pCi/L	1.3E+03		■	1.4E+03		■

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Tritium	pCi/mL	5.0E+03	J	■	2.3E+03		■
WELL FSB120D							
Barium	µg/L	60	V				
Chromium	µg/L	5.8					
Gross alpha	pCi/L	2.0E+00			3.1E+00		
Lead	µg/L	3.9	J		6.1		
Nickel	µg/L	8.2	JV				
Nitrate-nitrite as nitrogen	µg/L	370	V		550	V	
Nonvolatile beta	pCi/L	3.3E+00			2.4E+00		
Phenols	µg/L	2.7	J	■			
Radium-226	pCi/L	9.1E-01					
Thorium-230	pCi/L	1.6E-01					
Total alpha emitters	pCi/L	1.6E-01					
Tritium	pCi/mL	1.2E+01			1.1E+01		
Vanadium	µg/L	0.62	J				
Zinc	µg/L	48	V				
WELL FSB121DR							
Barium	µg/L				26		
Cadmium	µg/L	0.39	J		0.35	J	
Gross alpha	pCi/L	7.8E+00			1.1E+01		
Lead	µg/L	9.0			27		■
Nickel	µg/L				3.9	J	
Nitrate-nitrite as nitrogen	µg/L	2,100			3,000	V	
Nonvolatile beta	pCi/L	3.2E+01			3.0E+01		
Tritium	pCi/mL	1.7E+01			2.5E+01		■
WELL FSB122D							
Barium	µg/L	64	V				
Cadmium	µg/L				0.22	J	
Copper	µg/L	6.9	V				
Gross alpha	pCi/L	2.8E+00			4.6E+00		
Lead	µg/L	3.3	J		2.4	J	
Nickel	µg/L	2.5	J				
Nitrate-nitrite as nitrogen	µg/L	18,000	V	■	19,000		■
Nonvolatile beta	pCi/L	1.2E+01			4.9E+01		
Radium-226	pCi/L	2.2E+00					
Selenium	µg/L	2.3	J				
Thorium-230	pCi/L	8.1E-02					
Total alpha emitters	pCi/L	2.2E-01					
Tritium	pCi/mL	6.2E+02		■	1.2E+03		■
Uranium-233/234	pCi/L	7.7E-02					
Uranium-235	pCi/L	5.8E-02					
Zinc	µg/L	22					
WELL FSB123D							
Gross alpha	pCi/L	5.9E-01					
Lead	µg/L				2.3	J	
Nitrate-nitrite as nitrogen	µg/L	2,500			2,600	V	
Tritium	pCi/mL	8.3E+00			7.1E+00		
WELL FSL 1D							
Barium	µg/L	31					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Cadmium	µg/L	1.2	J		0.40	J	
Chromium	µg/L	1,100		■			
Cobalt	µg/L	4.2					
Copper	µg/L	91					
Gross alpha	pCi/L	3.7E+00			4.5E+00		
Lead	µg/L	100		■	70		■
Nickel	µg/L	17	V				
Nitrate-nitrite as nitrogen	µg/L	3,900	V		3,000	V	
Nonvolatile beta	pCi/L	3.6E+00			3.1E+00		
Tritium	pCi/mL	3.9E+01		■	3.2E+01		■
Vanadium	µg/L	1.8	J				
Zinc	µg/L	66	V				

WELL FSL 2D

Cadmium	µg/L				0.15	J	
Gross alpha	pCi/L	2.1E+00			4.7E+00		
Lead	µg/L	54		■	19		■
Nitrate-nitrite as nitrogen	µg/L	960	V		1,100	V	
Nonvolatile beta	pCi/L	3.4E+00			3.7E+00		
Tritium	pCi/mL	1.1E+01			1.1E+01		

WELL FSL 3D

Gross alpha	pCi/L	1.2E+01			4.4E+01		■
Lead	µg/L	18		■	14		
Nitrate-nitrite as nitrogen	µg/L	2,000	V		1,700	V	
Nonvolatile beta	pCi/L	1.3E+01			2.8E+01		
Tritium	pCi/mL	4.1E+01		■	3.4E+01		■

WELL FSL 4D

Gross alpha	pCi/L	8.2E-01			7.9E-01		
Lead	µg/L	29		■	50		■
Nitrate-nitrite as nitrogen	µg/L	1,900	V		1,800	V	
Nonvolatile beta	pCi/L	2.3E+00					
Tritium	pCi/mL	5.0E+00			4.2E+00		

WELL FSL 5D

Cadmium	µg/L	0.24	J				
Gross alpha	pCi/L	1.1E+01			2.0E+01		■
Lead	µg/L	20		■	17	V	■
Nitrate-nitrite as nitrogen	µg/L	15,000	V	■	24,000	V	■
Nonvolatile beta	pCi/L	5.7E+02		■	2.1E+02		■
Tritium	pCi/mL	4.4E+02		■	4.5E+02		■

WELL FSL 6D

Gross alpha	pCi/L	2.5E+00			4.9E+00		
Nitrate-nitrite as nitrogen	µg/L	9,700	V		6,500	V	
Nonvolatile beta	pCi/L	7.7E+00					
Tritium	pCi/mL	1.3E+02		■	7.4E+01		■

WELL FSL 7D

Cadmium	µg/L	3.0			2.5	V	
Gross alpha	pCi/L	3.1E+01		■	6.4E+01		■
Lead	µg/L	18		■	9.4	V	

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Nitrate-nitrite as nitrogen	µg/L	66,000	V	■	58,000	V	■
Nonvolatile beta	pCi/L	1.5E+02		■	1.3E+02		■
Tritium	pCi/mL	7.7E+02		■	7.1E+02		■
WELL FSL 8D							
Gross alpha	pCi/L	2.0E+00			2.2E+00		
Lead	µg/L	16		■	34		■
Nitrate-nitrite as nitrogen	µg/L	5,200	V		6,100	V	
Nonvolatile beta	pCi/L	4.1E+00					
Tritium	pCi/mL	4.1E+01		■	3.6E+01		■
WELL FSL 9D							
Cadmium	µg/L	0.58	J		0.45	J	
Gross alpha	pCi/L	8.4E+01		■	6.1E+01		■
Lead	µg/L	6.1			3.0	J	
Nitrate-nitrite as nitrogen	µg/L	15,000	V	■	12,000	V	■
Nonvolatile beta	pCi/L	1.7E+02		■	1.3E+02	V	■
Tritium	pCi/mL	5.9E+02		■	5.7E+02		■
Aquifer Zone IIB₁ (Barnwell/McBean)							
WELL FSB 76C							
Cadmium	µg/L				0.29	J	
Gross alpha	pCi/L				6.2E-01		
Nitrate-nitrite as nitrogen	µg/L	1,500	V		2,000	V	
Tritium	pCi/mL	3.3E+00			2.8E+00		
WELL FSB 78C							
Antimony	µg/L	1.4	J				
Barium	µg/L	560	V				
Cadmium	µg/L	15	V	■	16		■
Cobalt	µg/L	270		■			
Copper	µg/L	11					
Gross alpha	pCi/L	1.9E+02		■	2.1E+02		■
Iodine-129	pCi/L	1.2E+02					
Lead	µg/L	18		■	11		
Mercury	µg/L	0.034	J				
Nickel	µg/L	120	V	■			
Nitrate-nitrite as nitrogen	µg/L	270,000	JV	■	220,000		■
Nonvolatile beta	pCi/L	1.4E+03	V	■	1.3E+03		■
Radium-226	pCi/L	4.6E+01	V	■			
Radium-228	pCi/L	1.2E+01		■			
Strontium-90	pCi/L	4.4E+02	V	■			
Technetium-99	pCi/L	2.4E+02		■			
Thallium	µg/L	14		■			
Total alpha emitters	pCi/L	1.0E+02		■			
Total beta emitters	pCi/L	8.2E+02		■			
Tritium	pCi/mL	8.3E+03		■	8.2E+03		■
Uranium-233/234	pCi/L	4.8E+01	V				
Uranium-235	pCi/L	4.0E+00					
Uranium-238	pCi/L	5.3E+01	V				
Zinc	µg/L	500	V				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL FSB 79C							
Americium-241	pCi/L	2.8E+01					
Arsenic	µg/L	8.5					
Barium	µg/L	630	V				
Cadmium	µg/L	19	V	■	19		■
Cobalt	µg/L	150		■			
Copper	µg/L	55					
Curium-243/244	pCi/L	2.6E+01					
Curium-245/246	pCi/L	6.4E-01					
Gross alpha	pCi/L	6.0E+02		■	9.2E+02		■
Iodine-129	pCi/L	8.3E+01					
Lead	µg/L	3.2	J		6.5		
Mercury	µg/L	0.93					
Nickel	µg/L	44	V				
Nitrate-nitrite as nitrogen	µg/L	180,000	JV	■	160,000		■
Nonvolatile beta	pCi/L	2.0E+03	V	■	2.1E+03		■
Plutonium-239/240	pCi/L	1.9E-01					
Radium-226	pCi/L	7.1E+01	V	■			
Radium-228	pCi/L	2.0E+01		■			
Strontium-90	pCi/L	8.2E+02	V	■			
Technetium-99	pCi/L	1.5E+02					
Thallium	µg/L	5.7		■			
Thorium-228	pCi/L	1.1E+00					
Total alpha emitters	pCi/L	5.5E+02		■			
Total beta emitters	pCi/L	1.1E+03		■			
Trichloroethylene	µg/L	16		■			
Tritium	pCi/mL	1.1E+04		■	1.0E+04		■
Uranium-233/234	pCi/L	2.3E+02	V				
Uranium-235	pCi/L	1.9E+01					
Uranium-238	pCi/L	2.5E+02	V				
Zinc	µg/L	110	V				
WELL FSB 87C							
Barium	µg/L				16		
Cadmium	µg/L				0.56	J	
Gross alpha	pCi/L	5.0E+00			1.3E+01		
Lead	µg/L	7.8			15		
Nickel	µg/L				1.4	J	
Nitrate-nitrite as nitrogen	µg/L	7,800	V		7,900		
Nonvolatile beta	pCi/L	3.3E+00			7.0E+00		
Tritium	pCi/mL	4.0E+02		■	4.1E+02		■
WELL FSB 88C							
Barium	µg/L	13	V				
Cadmium	µg/L	0.31	J				
Chromium	µg/L	1.7	J				
Copper	µg/L	3.2	J				
Gross alpha	pCi/L	6.8E-01			8.0E-01	J	
Nickel	µg/L	1.3	J				
Nitrate-nitrite as nitrogen	µg/L	2,700	V		2,200	V	
Nonvolatile beta	pCi/L				9.8E-01		
Radium-226	pCi/L	5.1E-01					
Tetrachloroethylene	µg/L	1.1	J				
Thorium-230	pCi/L	3.0E-01					
Total alpha emitters	pCi/L	3.0E-01					
Trichloroethylene	µg/L	1.0	J				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Trichlorofluoromethane	µg/L	3.7					
Tritium	pCi/mL	3.9E+01		■	1.7E+01		
WELL FSB 89C							
Barium	µg/L	11	V		11	V	
Cadmium	µg/L				0.74	J	
Chromium	µg/L	1.6	J				
Copper	µg/L	2.3	J				
Curium-242	pCi/L	1.4E-01					
Curium-245/246	pCi/L	1.4E-01					
Gross alpha	pCi/L	4.9E-01			4.5E-01	J	
Nickel	µg/L				1.1	J	
Nitrate-nitrite as nitrogen	µg/L	1,900	V		1,900	V	
Nonvolatile beta	pCi/L	8.2E-01			6.7E-01		
Radium-226	pCi/L	6.2E-01					
Total alpha emitters	pCi/L	4.0E-01					
Trichlorofluoromethane	µg/L	7.6		■			
Tritium	pCi/mL	1.4E+01			1.6E+01		
Uranium-233/234	pCi/L	1.2E-01					
WELL FSB 90C							
Barium	µg/L	39	V				
Chromium	µg/L	1.1	J				
Cobalt	µg/L	0.80	J				
Gross alpha	pCi/L	2.8E+00			3.7E+00	J	
Nickel	µg/L	1.7	J				
Nitrate-nitrite as nitrogen	µg/L	14,000	V	■	13,000	V	■
Nonvolatile beta	pCi/L	1.8E+01			1.9E+01		
Strontium-90	pCi/L	3.9E+00					
Tetrachloroethylene	µg/L	1.4	J				
Thorium-230	pCi/L	1.8E-01					
Total alpha emitters	pCi/L	1.8E-01					
Total beta emitters	pCi/L	3.9E+00					
Trichloroethylene	µg/L	1.3	J				
Trichlorofluoromethane	µg/L	1.8	J				
Tritium	pCi/mL	5.4E+02		■	4.9E+02		■
WELL FSB 91C							
Barium	µg/L	66					
Cadmium	µg/L	2.6			1.9	J	
Cobalt	µg/L	9.3					
Copper	µg/L	10					
Gross alpha	pCi/L	2.5E+01		■	4.0E+01		■
Iodine-129	pCi/L	3.0E+01	J				
Lead	µg/L	3.0	J		3.9	J	
Mercury	µg/L	0.35					
Nickel	µg/L	5.8	J				
Nitrate-nitrite as nitrogen	µg/L	19,000	V	■	17,000	V	■
Nonvolatile beta	pCi/L	2.9E+02		■	2.8E+02		■
Plutonium-239/240	pCi/L	3.2E-01					
Radium-226	pCi/L	1.0E+01		■			
Radium-228	pCi/L	4.2E+00					
Strontium-90	pCi/L	1.5E+02		■			
Technetium-99	pCi/L	2.3E+01	J				
Thorium-230	pCi/L	6.8E-01					
Total alpha emitters	pCi/L	3.1E+00					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Total beta emitters	pCi/L	2.1E+02		■			
Trichloroethylene	µg/L	1.9	J				
Trichlorofluoromethane	µg/L	2.5					
Tritium	pCi/mL	4.3E+02		■	3.9E+02		■
Uranium-233/234	pCi/L	1.2E+00					
Uranium-238	pCi/L	9.3E-01					
Zinc	µg/L	24	V				
WELL FSB 92C							
Barium	µg/L	130					
Cadmium	µg/L	5.8		■	5.0		
Cobalt	µg/L	42					
Copper	µg/L	5.3					
Dichloromethane	µg/L	1.7	J				
Gross alpha	pCi/L	3.3E+01	V	■	6.9E+01		■
Iodine-129	pCi/L	2.2E+01					
Lead	µg/L	20		■	1.5	J	
Mercury	µg/L	0.11	J				
Nickel	µg/L	19					
Nitrate-nitrite as nitrogen	µg/L	40,000	V	■	36,000		■
Nonvolatile beta	pCi/L	3.0E+02		■	3.2E+02		■
Radium-226	pCi/L	2.3E+01		■			
Radium-228	pCi/L	6.5E+00		■			
Strontium-90	pCi/L	1.7E+02		■			
Technetium-99	pCi/L	3.6E+01					
Total alpha emitters	pCi/L	2.4E+00					
Total beta emitters	pCi/L	2.4E+02		■			
Trichloroethylene	µg/L	3.4					
Tritium	pCi/mL	1.3E+03		■	1.2E+03		■
Uranium-233/234	pCi/L	1.2E+00					
Uranium-238	pCi/L	1.2E+00					
Zinc	µg/L	72					
WELL FSB 93C							
Barium	µg/L	48	V				
Cadmium	µg/L	0.54	J		0.56	J	
Chromium	µg/L	1.2	J				
Cobalt	µg/L	2.4	JV				
Copper	µg/L	3.2	J				
Cyanide	µg/L	3.6	J				
Gross alpha	pCi/L	3.6E+00	J		8.8E+00		
Iodine-129	pCi/L	8.2E+00					
Lead	µg/L				1.5	J	
Mercury	µg/L	0.47					
Nickel	µg/L	6.1	J				
Nitrate-nitrite as nitrogen	µg/L	33,000		■	27,000		■
Nonvolatile beta	pCi/L	3.7E+01			3.9E+01		
Radium-226	pCi/L	2.7E+00	V				
Strontium-90	pCi/L	5.6E+00					
Technetium-99	pCi/L	4.1E+01					
Thorium-230	pCi/L	1.4E-01					
Total alpha emitters	pCi/L	2.3E-01					
Total beta emitters	pCi/L	5.5E+01		■			
Trichloroethylene	µg/L	2.1					
Trichlorofluoromethane	µg/L	6.3		■			
Tritium	pCi/mL	1.1E+03		■	9.5E+02		■
Uranium-233/234	pCi/L	9.3E-02					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Zinc	µg/L	77	V				
WELL FSB 94C							
Barium	µg/L	620					
Cadmium	µg/L	25		■	25		■
Cobalt	µg/L	700		■			
Cobalt-60	pCi/L	5.0E+00					
Copper	µg/L	67					
Gross alpha	pCi/L	1.4E+02		■	2.0E+02		■
Iodine-129	pCi/L	1.2E+02					
Lead	µg/L	21		■	8.4		
Nickel	µg/L	190		■			
Nitrate-nitrite as nitrogen	µg/L	290,000	V	■	260,000		■
Nonvolatile beta	pCi/L	2.3E+03		■	2.4E+03		■
Plutonium-239/240	pCi/L	5.0E-01					
Radium-226	pCi/L	6.6E+01		■			
Radium-228	pCi/L	2.3E+01		■			
Selenium	µg/L	4.4	J				
Strontium-90	pCi/L	7.3E+02	V	■			
Technetium-99	pCi/L	2.3E+02	J				
Thallium	µg/L	37		■			
Thorium-228	pCi/L	8.2E-01					
Total alpha emitters	pCi/L	5.0E+01		■			
Total beta emitters	pCi/L	1.1E+03		■			
Trichloroethylene	µg/L	9.8		■			
Tritium	pCi/mL	1.1E+04		■	1.1E+04		■
Uranium-233/234	pCi/L	2.4E+01	V				
Uranium-235	pCi/L	1.6E+00					
Uranium-238	pCi/L	2.3E+01	V				
Zinc	µg/L	340					
WELL FSB 95CR							
Americium-241	pCi/L	1.3E+01					
Barium	µg/L	930	V				
Cadmium	µg/L	16	V	■	1.7	J	
Cesium-137	pCi/L	3.8E+00					
Cobalt	µg/L	450		■			
Cobalt-60	pCi/L	5.4E+00					
Copper	µg/L	51					
Curium-243/244	pCi/L	2.3E+01					
Gross alpha	pCi/L	9.8E+02		■	6.9E+02		■
Iodine-129	pCi/L	1.2E+02					
Lead	µg/L	4.1	J		15		
Mercury	µg/L	1.5					
Nickel	µg/L	93	V				
Nitrate-nitrite as nitrogen	µg/L	220,000	JV	■	240,000		■
Nonvolatile beta	pCi/L	2.2E+03	V	■	7.1E+02		■
Plutonium-239/240	pCi/L	1.4E-01					
Radium-226	pCi/L	1.3E+02	V	■			
Radium-228	pCi/L	2.6E+01		■			
Strontium-90	pCi/L	7.2E+02	V	■			
Technetium-99	pCi/L	2.5E+02					
Thallium	µg/L	16		■			
Thorium-228	pCi/L	6.7E-01					
Total alpha emitters	pCi/L	8.3E+02		■			
Total beta emitters	pCi/L	1.1E+03		■			
Tritium	pCi/mL	9.7E+03		■	1.0E+04		■

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Uranium-233/234	pCi/L	3.6E+02	V				
Uranium-235	pCi/L	2.7E+01					
Uranium-238	pCi/L	4.1E+02	V				
Zinc	µg/L	270	V				
WELL FSB 97C							
Americium-241	pCi/L	1.5E+01					
Arsenic	µg/L	2.2	J				
Barium	µg/L	670					
Cadmium	µg/L	3.7			6.0		■
Cesium-137	pCi/L	5.8E+00					
Chromium	µg/L	4.5					
Cobalt	µg/L	27					
Copper	µg/L	39					
Curium-243/244	pCi/L	1.4E+01					
Curium-245/246	pCi/L	6.4E-01					
Gross alpha	pCi/L	6.3E+02		■	5.7E+02		■
Iodine-129	pCi/L	4.0E+01					
Lead	µg/L	28		■	10		
Nickel	µg/L	20					
Nitrate-nitrite as nitrogen	µg/L	89,000	JV	■	29,000		■
Nonvolatile beta	pCi/L	6.5E+02		■	7.6E+02		■
Radium-226	pCi/L	1.2E+01		■			
Radium-228	pCi/L	1.8E+01		■			
Selenium	µg/L	1.5	J				
Strontium-90	pCi/L	2.2E+02		■			
Technetium-99	pCi/L	2.3E+01					
Total alpha emitters	pCi/L	3.0E+01		■			
Total beta emitters	pCi/L	3.1E+02		■			
Tritium	pCi/mL	3.4E+03	J	■	6.9E+03		■
Vanadium	µg/L	1.1	J				
Zinc	µg/L	71					
WELL FSB 98C							
Americium-241	pCi/L	1.7E+01					
Barium	µg/L	320					
Cadmium	µg/L	5.5		■	4.1		
Cobalt	µg/L	220		■			
Copper	µg/L	54					
Curium-243/244	pCi/L	1.3E+01					
Curium-245/246	pCi/L	6.9E-01					
Gross alpha	pCi/L	4.3E+02		■	5.5E+02		■
Iodine-129	pCi/L	4.2E+01					
Lead	µg/L	2.0	J				
Mercury	µg/L	0.29					
Nickel	µg/L	32					
Nitrate-nitrite as nitrogen	µg/L	87,000	V	■	78,000	V	■
Nonvolatile beta	pCi/L	6.8E+02		■	6.1E+02		■
Plutonium-239/240	pCi/L	3.7E-01					
Radium-226	pCi/L	3.0E+01		■			
Radium-228	pCi/L	7.1E+00		■			
Selenium	µg/L	3.3	J				
Strontium-90	pCi/L	1.5E+02	V	■			
Technetium-99	pCi/L	7.4E+01	J				
Thallium	µg/L	7.8		■			
Total alpha emitters	pCi/L	1.0E+03		■			
Total beta emitters	pCi/L	2.7E+02		■			

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Trichloroethylene	µg/L	4.6					
Tritium	pCi/mL	4.1E+03		■	3.7E+03		■
Uranium-233/234	pCi/L	3.8E+02	V				
Uranium-235	pCi/L	3.6E+01					
Uranium-238	pCi/L	6.0E+02	V				
Zinc	µg/L	78					
WELL FSB 99C							
Barium	µg/L	53	V				
Cadmium	µg/L	1.6	J		1.7	J	
Cobalt	µg/L	4.3					
Copper	µg/L	0.58	J				
Gross alpha	pCi/L	2.4E+01		■	2.6E+01	J	■
Iodine-129	pCi/L	8.0E+00					
Lead	µg/L	2.1	J		1.6	J	
Nickel	µg/L	2.4	J				
Nitrate-nitrite as nitrogen	µg/L	28,000	V	■	23,000	V	■
Nonvolatile beta	pCi/L	7.4E+01		■	7.0E+01		■
Strontium-90	pCi/L	2.7E+01		■			
Thorium-230	pCi/L	1.7E-01					
Total alpha emitters	pCi/L	1.1E+01					
Total beta emitters	pCi/L	3.5E+01					
Trichloroethylene	µg/L	42		■			
Trichlorofluoromethane	µg/L	5.3		■			
Tritium	pCi/mL	1.1E+03		■	8.9E+02		■
Uranium-233/234	pCi/L	4.9E+00					
Uranium-235	pCi/L	2.8E-01					
Uranium-238	pCi/L	5.3E+00					
Vanadium	µg/L	0.32	J				
Zinc	µg/L	20	V				
WELL FSB102C							
Cadmium	µg/L	3.7			3.3		
Gross alpha	pCi/L	6.9E+00			1.2E+01		
Nitrate-nitrite as nitrogen	µg/L	26,000	V	■	13,000	V	■
Nonvolatile beta	pCi/L	3.0E+02		■	2.9E+02		■
Tritium	pCi/mL	6.5E+02		■	5.9E+02		■
WELL FSB103C							
Barium	µg/L	35	V				
Cadmium	µg/L				0.45	J	
Chromium	µg/L	1.2	J				
Cobalt	µg/L	0.25	J				
Copper	µg/L	1.5	J				
Gross alpha	pCi/L				1.7E+00		
Lead	µg/L	2.2	J		2.4	J	
Nickel	µg/L	4.1	J				
Nitrate-nitrite as nitrogen	µg/L	26,000	V	■	26,000	V	■
Nonvolatile beta	pCi/L	1.7E+01			2.8E+01		
Technetium-99	pCi/L	4.3E+01					
Thorium-230	pCi/L	2.3E-01					
Total alpha emitters	pCi/L	2.3E-01					
Total beta emitters	pCi/L	4.3E+01					
Tritium	pCi/mL	6.0E+02		■	6.1E+02		■
Vanadium	µg/L	0.39	J				
Zinc	µg/L	42	V				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL FSB104C							
Cadmium	µg/L	1.2	J		0.82	J	
Gross alpha	pCi/L	2.0E+00			2.0E+00		
Lead	µg/L				1.7	J	
Nitrate-nitrite as nitrogen	µg/L	53,000		■	45,000		■
Nonvolatile beta	pCi/L	5.9E+01		■	3.5E+01		
Tritium	pCi/mL	1.1E+03		■	1.1E+03		■
WELL FSB105C							
Americium-241	pCi/L	2.1E+01					
Arsenic	µg/L	3.0	J				
Barium	µg/L	450					
Cadmium	µg/L	13		■	13		■
Cobalt	µg/L	280		■			
Copper	µg/L	110	V				
Curium-243/244	pCi/L	1.5E+01					
Gross alpha	pCi/L	6.6E+02		■	9.2E+02		■
Iodine-129	pCi/L	6.0E+01					
Lead	µg/L	6.9			20		■
Mercury	µg/L	0.29					
Nickel	µg/L	55	V				
Nitrate-nitrite as nitrogen	µg/L	120,000	V	■	200,000		■
Nonvolatile beta	pCi/L	1.0E+03		■	1.3E+03	V	■
Phenols	µg/L	7.1		■			
Radium-226	pCi/L	7.9E+01		■			
Radium-228	pCi/L	2.9E+01		■			
Strontium-90	pCi/L	3.9E+02		■			
Technetium-99	pCi/L	1.1E+02					
Thorium-228	pCi/L	5.7E-01					
Total alpha emitters	pCi/L	3.7E+01		■			
Total beta emitters	pCi/L	5.9E+02		■			
Trichloroethylene	µg/L	8.2		■			
Tritium	pCi/mL	8.2E+03		■	8.9E+03	J	■
Zinc	µg/L	130					
WELL FSB106C							
Cadmium	µg/L	11		■	7.8		■
Gross alpha	pCi/L	3.4E+01		■	5.3E+01		■
Lead	µg/L				3.1	J	
Nitrate-nitrite as nitrogen	µg/L	72,000	V	■	71,000		■
Nonvolatile beta	pCi/L	6.9E+02		■	8.0E+02		■
Tritium	pCi/mL	1.6E+03	J	■	1.4E+03		■
WELL FSB107C							
Barium	µg/L	33	V				
Cadmium	µg/L	0.33	J		0.32	J	
Chromium	µg/L	2.1	J				
Cobalt	µg/L	0.72	J				
Copper	µg/L	1.4	J				
Gross alpha	pCi/L	2.0E+00			2.3E+00		
Lead	µg/L	3.0	J		2.0	J	
Nickel	µg/L	2.5	J				
Nitrate-nitrite as nitrogen	µg/L	8,100	V		7,300		
Nonvolatile beta	pCi/L	3.6E+01			4.0E+01		
Strontium-90	pCi/L	1.9E+01		■			

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Total alpha emitters	pCi/L	1.8E-01					
Total beta emitters	pCi/L	1.9E+01					
Trichloroethylene	µg/L	1.6	J				
Trichlorofluoromethane	µg/L	20		■			
Tritium	pCi/mL	1.5E+02		■	1.4E+02		■
Uranium-238	pCi/L	1.8E-01					
Vanadium	µg/L	0.70	J				
Zinc	µg/L	28	V				
WELL FSB110C							
Barium	µg/L	110	V				
Cadmium	µg/L	1.3	J		2.7		
Gross alpha	pCi/L	6.6E+00			8.9E+00		
Iodine-129	pCi/L	1.3E+01					
Lead	µg/L				3.2	J	
Nickel	µg/L	11					
Nitrate-nitrite as nitrogen	µg/L	58,000	V	■	38,000		■
Nonvolatile beta	pCi/L	7.0E+01		■	8.2E+01		■
Radium-226	pCi/L	1.5E+00					
Radium-228	pCi/L	1.2E+00					
Strontium-90	pCi/L	2.8E+01		■			
Technetium-99	pCi/L	1.1E+02					
Thorium-230	pCi/L	2.4E-01					
Total alpha emitters	pCi/L	2.4E-01					
Total beta emitters	pCi/L	1.5E+02		■			
Tritium	pCi/mL	1.5E+03		■	1.6E+03		■
Zinc	µg/L	120					
WELL FSB111C							
Barium	µg/L				8.1		
Cadmium	µg/L	0.12	J				
Gross alpha	pCi/L				4.6E-01		
Lead	µg/L				2.2	J	
Nickel	µg/L				1.3	J	
Nitrate-nitrite as nitrogen	µg/L	2,200	V		1,900	V	
Nonvolatile beta	pCi/L				5.5E-01		
Tritium	pCi/mL	5.4E+00			5.0E+00		
WELL FSB112C							
Barium	µg/L	700					
Cadmium	µg/L	36		■	36		■
Cobalt	µg/L	320		■			
Cobalt-60	pCi/L	8.1E+00					
Copper	µg/L	26					
Gross alpha	pCi/L	2.0E+02		■	1.7E+02		■
Iodine-129	pCi/L	1.1E+02					
Lead	µg/L	1.3	J		3.4	J	
Nickel	µg/L	100		■			
Nitrate-nitrite as nitrogen	µg/L	230,000	JV	■	210,000		■
Nonvolatile beta	pCi/L	2.0E+03		■	1.9E+03		■
Radium-226	pCi/L	1.3E+02		■			
Radium-228	pCi/L	2.5E+01		■			
Strontium-90	pCi/L	9.5E+02		■			
Technetium-99	pCi/L	3.5E+02		■			
Thallium	µg/L	13		■			
Thorium-228	pCi/L	5.4E-01					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Total alpha emitters	pCi/L	8.4E+00					
Total beta emitters	pCi/L	1.4E+03		■			
Tritium	pCi/mL	7.5E+03	J	■	6.8E+03		■
Uranium-233/234	pCi/L	4.4E+00					
Uranium-238	pCi/L	3.5E+00					
Vanadium	µg/L	0.52	J				
Zinc	µg/L	200					
WELL FSB113C							
Gross alpha	pCi/L	1.2E+00			2.1E+00		
Lead	µg/L	1.6	J				
Nitrate-nitrite as nitrogen	µg/L	4,500	V		5,900	V	
Nonvolatile beta	pCi/L	2.1E+00			3.1E+00		
Tritium	pCi/mL	5.4E+01		■	7.0E+01		■
WELL FSB114C							
Gross alpha	pCi/L	1.4E+00	J1		2.4E+00		
Lead	µg/L	5.5	J		7.9		
Nitrate-nitrite as nitrogen	µg/L	2,400	V		2,300	V	
Nonvolatile beta	pCi/L	1.4E+00			2.1E+00		
Tritium	pCi/mL	3.7E+00			3.2E+00		
WELL FSB115C							
Lead	µg/L	4.2	J		2.4	J	
Nitrate-nitrite as nitrogen	µg/L	2,600	V		640	V	
Nonvolatile beta	pCi/L				1.4E+00		
Tritium	pCi/mL	9.2E+00			8.1E+00		
WELL FSB116C							
Nitrate-nitrite as nitrogen	µg/L	1,100	V		1,200	V	
Tritium	pCi/mL	1.1E+01			1.1E+01		
WELL FSB120C							
Barium	µg/L	92	V				
Cadmium	µg/L	0.59	JV				
Cobalt	µg/L	5.3	V				
Gross alpha	pCi/L	1.3E+01			1.4E+01		
Iodine-129	pCi/L	1.3E+01	J				
Lead	µg/L				2.2	J	
Nickel	µg/L	4.1	J				
Nitrate-nitrite as nitrogen	µg/L	32,000	V	■	34,000	V	■
Nonvolatile beta	pCi/L	3.5E+01			3.6E+01		
Radium-226	pCi/L	6.9E+00		■			
Selenium	µg/L	2.7	J				
Strontium-90	pCi/L	7.4E+00					
Technetium-99	pCi/L	4.6E+01					
Thorium-230	pCi/L	1.7E-01					
Total alpha emitters	pCi/L	9.4E-01					
Total beta emitters	pCi/L	6.5E+01		■			
Tritium	pCi/mL	8.8E+02		■	7.6E+02		■
Uranium-233/234	pCi/L	4.8E-01					
Uranium-238	pCi/L	2.9E-01					
Zinc	µg/L	11					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL FSB121C							
Barium	µg/L				29		
Cadmium	µg/L				0.19	J	
Gross alpha	pCi/L	1.3E+00			3.6E+00		
Lead	µg/L				1.3	J	
Nickel	µg/L				2.3	J	
Nitrate-nitrite as nitrogen	µg/L	2,500			2,600	V	
Nonvolatile beta	pCi/L	5.0E+00			9.2E+00		
Tritium	pCi/mL	1.3E+02		■	1.3E+02		■
WELL FSB122C							
Barium	µg/L				160	V	
Cadmium	µg/L	1.0	JV		1.1	JV	
Gross alpha	pCi/L	1.7E+01		■	2.6E+01		■
Lead	µg/L				1.9	J	
Nickel	µg/L				16		
Nitrate-nitrite as nitrogen	µg/L	62,000	V	■	66,000	V	■
Nonvolatile beta	pCi/L	6.7E+01		■	5.8E+01		■
Tritium	pCi/mL	1.8E+03		■	1.7E+03		■
WELL FSB123C							
Barium	µg/L	12	V				
Cadmium	µg/L	0.65	J				
Lead	µg/L				1.4	J	
Nickel	µg/L	0.92	J				
Nitrate-nitrite as nitrogen	µg/L	3,400			3,400	V	
Nonvolatile beta	pCi/L				1.6E+00		
Tritium	pCi/mL	2.0E+00			1.6E+00		
Aquifer Unit IIA (upper Congaree)							
WELL FSB 76B							
Barium	µg/L	17	V				
Cadmium	µg/L	0.74	J				
Lead	µg/L	1.5	J				
Nitrate-nitrite as nitrogen	µg/L	800	V		740	V	
Tritium	pCi/mL				6.8E-01		
WELL FSB 78B							
Barium	µg/L	36	V		35	V	
Cadmium	µg/L				0.54	J	
Chromium	µg/L	2.1	J				
Cyanide	µg/L	2.8	J				
Gross alpha	pCi/L	1.4E+00			1.6E+00		
Nitrate-nitrite as nitrogen	µg/L	8,400	V		8,400	V	
Nonvolatile beta	pCi/L	2.9E+00			5.0E+00		
Plutonium-239/240	pCi/L	1.8E-02					
Radium-226	pCi/L	1.1E+00					
Total alpha emitters	pCi/L	1.8E-02					
Tritium	pCi/mL	2.0E+02		■	1.8E+02		■
WELL FSB 79B							

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Cadmium	µg/L				0.66	J	
Gross alpha	pCi/L	1.3E+00			1.2E+00		
Lead	µg/L				3.0	J	
Nitrate-nitrite as nitrogen	µg/L	2,100	V		740	V	
Nonvolatile beta	pCi/L	1.5E+00			2.5E+00		
Tritium	pCi/mL	3.2E+01		■	2.9E+01		■

WELL FSB 87B

Gross alpha	pCi/L				6.8E-01	J	
Lead	µg/L	62		■			
Nitrate-nitrite as nitrogen	µg/L	6,900	V		7,400	V	
Nonvolatile beta	pCi/L	4.9E+00			2.8E+00		
Tritium	pCi/mL	1.0E+02		■	1.1E+02		■

WELL FSB 96AR

Barium	µg/L	40	V				
Cadmium	µg/L	0.15	J				
Gross alpha	pCi/L	9.9E-01			1.6E+00		
Nitrate-nitrite as nitrogen	µg/L	1,600	V		900		
Nonvolatile beta	pCi/L	1.5E+00			1.9E+00		
Radium-226	pCi/L	7.5E-01					
Thorium-230	pCi/L	1.3E-01					
Total alpha emitters	pCi/L	1.3E-01					
Tritium	pCi/mL	2.9E+01		■	1.2E+01		

WELL FSB 97A

Antimony	µg/L	2.1	J				
Barium	µg/L	36					
Cadmium	µg/L	0.44	J				
Chromium	µg/L	4.9					
Copper	µg/L	5.3	V				
Dichloromethane	µg/L	2.4	JY				
Gross alpha	pCi/L	1.3E+00			3.1E+00		
Lead	µg/L	2.2	J		1.6	J	
Mercury	µg/L	0.050	J				
Nitrate-nitrite as nitrogen	µg/L	7,800	VY		7,700		
Nonvolatile beta	pCi/L	1.9E+00			4.7E+00		
Radium-226	pCi/L	1.2E+00					
Selenium	µg/L	1.4	J				
Technetium-99	pCi/L	2.1E+01					
Total alpha emitters	pCi/L	2.2E-01					
Total beta emitters	pCi/L	2.1E+01					
Tritium	pCi/mL	1.8E+02	V	■	2.1E+02		■
Uranium-233/234	pCi/L	2.2E-01					

WELL FSB 98AR

Americium-241	pCi/L	8.9E-01	J1				
Antimony	µg/L	6.2		■			
Barium	µg/L	33	V				
Cadmium	µg/L	0.72	J				
Chromium	µg/L	3.8	JV				
Cobalt	µg/L	2.8	J				
Copper	µg/L	8.2	J				
Gross alpha	pCi/L	8.7E-01			8.8E-01		

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Lead	µg/L	5.2	J				
Mercury	µg/L	0.10	J				
Nitrate-nitrite as nitrogen	µg/L	3,000			3,000	V	
Nonvolatile beta	pCi/L	4.8E+00	V		2.5E+00		
Radium-226	pCi/L	4.5E+00	J				
Silver	µg/L	3.0					
Technetium-99	pCi/L	1.8E+01	J1				
Thallium	µg/L	6.0	J	■			
Thorium-230	pCi/L	2.9E-01	J1				
Total alpha emitters	pCi/L	1.7E+00					
Total beta emitters	pCi/L	1.8E+01					
Trichlorofluoromethane	µg/L	2.2	J				
Tritium	pCi/mL	4.3E+01		■	4.2E+01		■
Uranium-233/234	pCi/L	2.5E-01					
Uranium-238	pCi/L	2.6E-01	J1				
Vanadium	µg/L	2.4	J				
Zinc	µg/L	4.0	J				
WELL FSB 99A							
Barium	µg/L	28	V				
Chromium	µg/L	0.68	J				
Gross alpha	pCi/L	1.5E+00			1.2E+00	J	
Lead	µg/L	2.4	J				
Nickel	µg/L	1.2	J				
Nitrate-nitrite as nitrogen	µg/L	6,000	V		6,000	V	
Nonvolatile beta	pCi/L	2.0E+00			1.6E+00		
Tritium	pCi/mL	1.9E+02		■	1.7E+02		■
WELL FSB100A							
Barium	µg/L	41	V				
Chromium	µg/L	0.74	J				
Copper	µg/L	11					
Gross alpha	pCi/L	3.2E+00			1.6E+00		
Lead	µg/L	1.7	J				
Nitrate-nitrite as nitrogen	µg/L	4,700	V		5,000	V	
Nonvolatile beta	pCi/L	2.8E+00			5.6E+00		
Strontium-90	pCi/L	1.2E+00					
Thorium-230	pCi/L	3.4E-01					
Total alpha emitters	pCi/L	6.4E-01					
Total beta emitters	pCi/L	1.2E+00					
Tritium	pCi/mL	9.8E+01		■	9.4E+01		■
Uranium-233/234	pCi/L	3.0E-01					
WELL FSB101A							
Barium	µg/L	28	V				
Chromium	µg/L	1.4	J				
Gross alpha	pCi/L				9.1E-01		
Lead	µg/L	1.4	J				
Nitrate-nitrite as nitrogen	µg/L	2,200	V		1,900	V	
Nonvolatile beta	pCi/L	2.2E+00			5.0E+00		
Thorium-230	pCi/L	1.9E-01					
Total alpha emitters	pCi/L	1.9E-01					
Tritium	pCi/mL	6.2E-01			7.5E-01	J1	

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL FSB112A							
Americium-241	pCi/L	8.2E-01	J1				
Barium	µg/L	59			42		
Cadmium	µg/L	0.19	J		0.21	J	
Cobalt	µg/L	0.95	J				
Copper	µg/L	6.9	J				
Dichloromethane	µg/L	1.3	J				
Gross alpha	pCi/L	1.8E+01		■	1.3E+00		
Nitrate-nitrite as nitrogen	µg/L	2,800			1,300	V	
Nonvolatile beta	pCi/L	2.0E+01			7.2E+00		
Radium-226	pCi/L	9.4E-01	J				
Radium-228	pCi/L	4.4E+00	J				
Strontium-90	pCi/L	7.9E+00					
Thorium-228	pCi/L	6.0E-01	J1				
Thorium-230	pCi/L	4.8E-01	J1				
Total alpha emitters	pCi/L	4.8E+02		■			
Total beta emitters	pCi/L	1.2E+01					
Tritium	pCi/mL	8.3E+01		■	3.3E+01		■
Uranium-233/234	pCi/L	2.2E+02					
Uranium-235	pCi/L	1.6E+01					
Uranium-238	pCi/L	2.4E+02					
WELL FSB113A							
Gross alpha	pCi/L	5.1E+00			8.3E+00		
Lead	µg/L	4.0	J		7.5		
Nitrate-nitrite as nitrogen	µg/L	8,900			7,600		
Nonvolatile beta	pCi/L	1.2E+01			1.2E+01		
Tritium	pCi/mL	2.2E+02		■	2.2E+02		■
WELL FSB114A							
Gross alpha	pCi/L				1.3E+00		
Lead	µg/L				1.4	J	
Nitrate-nitrite as nitrogen	µg/L	6,900	V		2,100	V	
Nonvolatile beta	pCi/L	1.1E+00			1.3E+00		
Tritium	pCi/mL	1.3E+00			7.5E-01		
WELL FSB120A							
Barium	µg/L	98	V				
Gross alpha	pCi/L				2.9E+00		
Iodine-129	pCi/L	2.7E+00	J				
Lead	µg/L	2.0	J		7.4		
Nitrate-nitrite as nitrogen	µg/L	11,000	V	■	19,000	V	■
Nonvolatile beta	pCi/L	1.5E+01			1.8E+01		
Radium-226	pCi/L	1.1E+00					
Strontium-90	pCi/L	7.5E+00					
Thorium-230	pCi/L	2.3E-01					
Total alpha emitters	pCi/L	2.3E-01					
Total beta emitters	pCi/L	1.0E+01					
Tritium	pCi/mL	2.5E+02		■	4.8E+02		■
WELL HSB 85A							
Antimony	µg/L				2.2	J	
Arsenic	µg/L				2.2	J	
Barium	µg/L				33	V	

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Cadmium	µg/L				1.9	JV	
Chromium	µg/L				2.7	J	
Copper	µg/L				13		
Gross alpha	pCi/L	2.6E+00					
Mercury	µg/L	0.31	J		0.87	V	
Nickel	µg/L				1.3	J	
Nitrate as nitrogen	µg/L	48					
Nitrate-nitrite as nitrogen	µg/L	660	V		210	V	
Nonvolatile beta	pCi/L	2.8E+00					
Selenium	µg/L				2.7	J	
Strontium-90	pCi/L				7.0E-01		
Total beta emitters	pCi/L				7.0E-01		
Aquifer Unit IIA (lower Congaree)							
WELL FSB 76A							
Cadmium	µg/L	0.25	J				
Nitrate-nitrite as nitrogen	µg/L	370	V		260	V	
Nonvolatile beta	pCi/L				2.1E+00		
WELL FSB 78A							
Barium	µg/L	23	V				
Cadmium	µg/L	0.40	J				
Chromium	µg/L	1.5	J				
Nitrate-nitrite as nitrogen	µg/L	790	V		840	V	
Nonvolatile beta	pCi/L	2.3E+00			4.2E+00		
Selenium	µg/L	2.0	J				
Tritium	pCi/mL	8.6E+00			7.9E+00		
Vanadium	µg/L	0.54	J				
WELL FSB 79A							
Gross alpha	pCi/L	2.1E+00	J1				
Lead	µg/L	4.8	J				
Nitrate-nitrite as nitrogen	µg/L	930			430	V	
Nonvolatile beta	pCi/L	3.9E+00			5.9E+00		
Tritium	pCi/mL	7.0E+01		■	8.1E+00		
WELL FSB 87A							
Gross alpha	pCi/L				8.3E-01	J	
Nitrate-nitrite as nitrogen	µg/L	470			240	V	
Nonvolatile beta	pCi/L	1.5E+00			1.2E+00		
Tritium	pCi/mL	3.8E+00			1.6E+00		

Notes: This table presents the highest value for duplicate/replicate results.

■ = exceeded groundwater protection standard

Table C-2. Groundwater Monitoring Results for Individual Wells

WELL FSB 76

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/22/96	10/01/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	217.5	217.3	ft msl
pH	4.6	4.4	pH
Sp. conductance	120	140	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	3	0	mg/L
Turbidity	3	2	NTU
Volumes purged	3.8	6.4	well volume
Sampling code			
Synchronous water level	217.1 (09/18/96)	216.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	13	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	<2.0	1					µg/L
Chromium, total recoverable	1.2	1	J			GE							µg/L
Cobalt, total recoverable	<0.75	1	V			GE							µg/L
Copper, total recoverable	360	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	32	1		■		GE	38	1		■			µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	4.0	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	14,000	10		■		GE	16,000	10	V	■			µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<0.57	1	V			GE							µg/L
Zinc, total recoverable	100	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 76 (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-1.8E-02	1	UI			GP						pCi/L	
Cesium-137	7.2E-01	1	UI			GP						pCi/L	
Cobalt-60	8.3E-01	1	UI			GP						pCi/L	
Curium-242	-2.7E-02	1	UI			GP						pCi/L	
Curium-243/244	-2.2E-02	1	UI			GP						pCi/L	
Curium-245/246	-8.5E-03	1	UI			GP						pCi/L	
Gross alpha	1.2E+01	1	J			GP	1.3E+01	1				GP	pCi/L
Iodine-129	6.5E-01	1	UI			GP						pCi/L	
Nonvolatile beta	2.0E+01	1				GP	1.6E+01	1				GP	pCi/L
Plutonium-238	-4.4E-02	1	UI			GP						pCi/L	
Plutonium-239/240	-4.4E-03	1	UI			GP						pCi/L	
Radium-226	1.0E+01	1	V	■		GP						pCi/L	
Radium-228	1.5E+00	1				GP						pCi/L	
Strontium-90	2.9E-01	1	UI			GP						pCi/L	
Technetium-99	3.0E+01	1	UI			GP						pCi/L	
Thorium-228	4.4E-02	1	UI			GP						pCi/L	
Thorium-230	1.3E-01	1				GP						pCi/L	
Thorium-232	1.4E-02	1	UI			GP						pCi/L	
Total alpha emitters	1.3E-01											pCi/L	
Total beta emitters	1.5E+00											pCi/L	
Tritium	5.9E+02	1		■		GP	5.9E+02	1		■		GP	pCi/mL
Uranium-233/234	1.4E-01	1	UI			GP						pCi/L	
Uranium-235	-8.8E-03	1	UI			GP						pCi/L	
Uranium-238	8.5E-02	1	UI			GP						pCi/L	

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 76A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N76131.9 E51391.6	33.278005 °N 81.679359 °W	47.4-36.9 ft msl	293.9 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE	07/22/96	10/01/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	155.4	155.1	ft msl
pH	6.4	6.4	pH
Sp. conductance	100	100	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	41	36	mg/L
Turbidity	0	0	NTU
Volumes purged	2.3	2.4	well volumes
Sampling code			
Synchronous water level	155.3 (09/18/96)	155.3 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	0.25	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	370	1	V			GE	260	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 76A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.4E-01	1	UI			GP	3.6E-01	1	UI			GP	pCi/L
Iodine-129													
Nonvolatile beta	7.0E-01	1	UI			GP	2.1E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.5E-01	1	UI			GP	5.2E-02	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 76B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
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	07/22/96	10/01/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	151.4	152.3	ft msl
pH	6.8	6.8	pH
Sp. conductance	100	100	µS/cm
Water temperature	27.0	24.0	°C
Alkalinity as CaCO ₃	30	46	mg/L
Turbidity	0	0	NTU
Volumes purged	2.7	3.0	well volumes
Sampling code			
Synchronous water level	151.5 (09/18/96)	151.4 (12/10/96)	ft msl

ANALYTICAL DATA**Inorganic Constituents**

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable	17	1	V			GE							µg/L
Cadmium, total recoverable	0.74	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	1.5	1	J			GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	800	1	V			GE	740	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 76B (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.4E+00	1	UI			GP	5.5E-01	1	UI			GP	pCi/L
Iodine-129													
Nonvolatile beta	7.5E-01	1	UI			GP	8.6E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.1E-01	1	UI			GP	6.8E-01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 76C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76112.4 E51396.4	33.277970 °N 81.679309 °W	165.3-154.8 ft msl	293.6 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/06/96	10/01/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	212.4	212.0	ft msl
pH	5.4	6.0	pH
Sp. conductance	38	44	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	27	12	mg/L
Turbidity	2	2	NTU
Volumes purged	2.6	3.4	well volumes
Sampling code			
Synchronous water level	212.1 (09/18/96)	211.6 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	0.29	1	J			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,500	1	V			GE	2,000	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 76C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.3E-01	1	UI			TM	6.2E-01	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	6.1E-01	1	UI			TM	9.1E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.3E+00	1				TM	2.8E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 77

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/31/96	11/19/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	212.1	211.5	ft msl
pH	4.0	3.0	pH
Sp. conductance	600	580	µS/cm
Water temperature	25.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	5	2	NTU
Volumes purged	2.3	0.73	well volumes
Sampling code			
Synchronous water level	211.8 (09/18/96)	211.5 (12/10/96)	ft msl

ANALYTICAL DATA**Inorganic Constituents**

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	6.0	1	V	■		GE	9.5	1		■		GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	4.4	1	J			GE	6.4	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	80,000	50	JV	■		GE	78,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 77 (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.9E+02	1		■		GP	8.5E+02	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta	1.3E+03	1	V	■		GP	1.3E+03	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.1E+03	1		■		GP	1.9E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 78

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/31/96	10/03/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	209.6	208.1	ft msl
pH	3.6	3.2	pH
Sp. conductance	1800	1040	µS/cm
Water temperature	25.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	9	1	NTU
Volumes purged	3.8	5.4	well volumes
Sampling code			
Synchronous water level	209.1 (09/18/96)	207.7 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	15	1	V	■		GE	18	1		■		GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	100,000	100	JV	■		GE	180,000	100		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 78 (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	6.7E+02	1		■		GP	1.1E+03	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta	1.5E+03	1	V	■		GP	2.1E+03	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	7.7E+03	1		■		GP	8.0E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 78A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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	07/16/96	10/01/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	155.9	96.1	ft msl
pH	6.2	6.4	pH
Sp. conductance	120	100	µS/cm
Water temperature	27.0	24.0	°C
Alkalinity as CaCO ₃	43	33	mg/L
Turbidity	0	0	NTU
Volumes purged	2.3	3.1	well volumes
Sampling code			
Synchronous water level	156.7 (09/18/96)	156.2 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	23	1	V			GE							µg/L
Cadmium, total recoverable	0.40	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable	1.5	1	J			GE							µg/L
Cobalt, total recoverable	<1.1	1	V			GE							µg/L
Copper, total recoverable	<2.5	1	V			GE							µg/L
Cyanide													
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	790	1	V			GE	840	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	2.0	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.5	1	V			GE							µg/L
Vanadium, total recoverable	0.54	1	J			GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 78A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	4.1E-01	1	UI			GP	3.3E-01	1	UI			GP	pCi/L
Iodine-129													
Nonvolatile beta	2.3E+00	1				GP	4.2E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	8.6E+00	1				GP	7.9E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 78B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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	07/16/96	10/01/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	154.5	154.4	ft msl
pH	6.8	7.2	pH
Sp. conductance	200	200	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	36	68	mg/L
Turbidity	1	0	NTU
Volumes purged	2.5	2.7	well volumes
Sampling code			
Synchronous water level	155.0 (09/18/96)	154.4 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	36	1	V			GE	35	1	V			GE	µg/L
Cadmium, total recoverable	<2.0	1				GE	0.54	1	J			GE	µg/L
Chromium, total recoverable	2.1	1	J			GE							µg/L
Cobalt, total recoverable	<0.33	1	V			GE							µg/L
Copper, total recoverable	<4.4	1	V			GE							µg/L
Cyanide	2.8	1	J			GE							µg/L
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	<10	1				GE	<10	1				GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	8,400	5	V			GE	8,400	5	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Thallium, total recoverable	<2.6	1	V			GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1	J1		●	GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1	J1		●	GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1	J1		●	GE							µg/L
Trichloroethylene	<2.0	1	J1		●	GE							µg/L
Trichlorofluoromethane	<2.0	1	J1		●	GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 78B (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.6E-01	1	UI			GP							pCi/L
Cesium-137	-3.8E-01	1	UI			GP							pCi/L
Cobalt-60	-1.6E+00	1	UI			GP							pCi/L
Curium-242	4.3E-02	1	UI			GP							pCi/L
Curium-243/244	8.1E-02	1	UI			GP							pCi/L
Curium-245/246	5.4E-02	1	UI			GP							pCi/L
Gross alpha	1.4E+00	1				GP	1.6E+00	1				GP	pCi/L
Iodine-129	2.1E-01	1	UJI			GP							pCi/L
Nonvolatile beta	2.9E+00	1				GP	5.0E+00	1				GP	pCi/L
Plutonium-238	0.0E+00	1	UI			GP							pCi/L
Plutonium-239/240	1.8E-02	1				GP							pCi/L
Radium-226	1.1E+00	1				GP							pCi/L
Radium-228	-7.3E-01	1	UI			GP							pCi/L
Strontium-90	1.6E-01	1	UI			GP							pCi/L
Technetium-99	1.1E+01	1	UJI			GP							pCi/L
Thorium-228	-2.3E-03	1	UI			GP							pCi/L
Thorium-230	1.8E-01	1	UIV			GP							pCi/L
Thorium-232	9.2E-03	1	UI			GP							pCi/L
Total alpha emitters	1.8E-02												pCi/L
Total beta emitters													
Tritium	2.0E+02	1		■		GP	1.8E+02	1		■		GP	pCi/mL
Uranium-233/234	6.8E-02	1	UI			GP							pCi/L
Uranium-235	-8.7E-03	1	UI			GP							pCi/L
Uranium-238	2.7E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 78C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74772.5 E50170.2	33.273006 °N 81.679934 °W	151.4-141.6 ft msl	273.5 ft msl	4" PVC	V	Barnwell (IIB1)

SAMPLE DATE	07/31/96	10/03/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	206.2	207.4	ft msl
pH	3.8	3.6	pH
Sp. conductance	1600	1080	µS/cm
Water temperature	27.0	27.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	3	2	NTU
Volumes purged	0.0	0.023	well volumes
Sampling code	X	X	
Synchronous water level	208.4 (09/18/96)	207.1 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	1.4	1	J			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	560	1	V			GE							µg/L
Cadmium, total recoverable	15	1	V	■		GE	16	1		■		GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	270	1		■		GE							µg/L
Copper, total recoverable	11	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	18	1		■		GE	11	1				GE	µg/L
Mercury, total recoverable	0.034	1	J			GE							µg/L
Nickel, total recoverable	120	1	V	■		GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	270,000	250	JV	■		GE	220,000	500		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	14	1		■		GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	500	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 78C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	8.4E-01	1	UI			GP							pCi/L
Cesium-137	1.9E-01	1	UI			GP							pCi/L
Cobalt-60	3.0E+00	1	UI			GP							pCi/L
Curium-242	-5.4E-03	1	UI			GP							pCi/L
Curium-243/244	-9.4E-01	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	1.9E+02	1		■		GP	2.1E+02	1		■		GP	pCi/L
Iodine-129	1.2E+02	1				GP							pCi/L
Nonvolatile beta	1.4E+03	1	V	■		GP	1.3E+03	1		■		GP	pCi/L
Plutonium-238	2.1E-01	1	UI			GP							pCi/L
Plutonium-239/240	1.8E-01	1	UI			GP							pCi/L
Radium-226	4.6E+01	1	V	■		GP							pCi/L
Radium-228	1.2E+01	1		■		GP							pCi/L
Strontium-90	4.4E+02	1	V	■		GP							pCi/L
Technetium-99	2.4E+02	1				GP							pCi/L
Thorium-228	3.0E-01	1	UI			GP							pCi/L
Thorium-230	4.6E-01	1	UI/V			GP							pCi/L
Thorium-232	1.2E-01	1	UI			GP							pCi/L
Total alpha emitters	1.0E+02			■									pCi/L
Total beta emitters	8.2E+02			■									pCi/L
Tritium	8.3E+03	1		■		GP	8.2E+03	1		■		GP	pCi/mL
Uranium-233/234	4.8E+01	1	V			GP							pCi/L
Uranium-235	4.0E+00	1				GP							pCi/L
Uranium-238	5.3E+01	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 79

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73663.1	33.270502 °N	204.1-174.1 ft msl	217.8 ft msl	4" PVC	V	Water Table (IIB2)
E50139.7	81.677859 °W					

SAMPLE DATE	07/31/96	10/08/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	202.3	201.7	ft msl
pH	3.4	3.4	pH
Sp. conductance	1500	2060	µS/cm
Water temperature	25.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	3	1	NTU
Volumes purged	2.2	2.2	well volumes
Sampling code			
Synchronous water level	202.3 (09/18/96)	191.1 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	4.9	1	J			GE							µg/L
Barium, total recoverable	1,500	1	V			GE							µg/L
Cadmium, total recoverable	9.3	1	V	■		GE	7.1	1		■		GE	µg/L
Chromium, total recoverable	23	1				GE							µg/L
Cobalt, total recoverable	1,200	1		■		GE							µg/L
Copper, total recoverable	130	1				GE							µg/L
Cyanide	2.6	1	J			GE							µg/L
Lead, total recoverable	2.1	1	J			GE	4.0	1	J			GE	µg/L
Mercury, total recoverable	3.3	1		■		GE							µg/L
Nickel, total recoverable	150	1	V	■		GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	350,000	250	JV	■		GE	350,000	500		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	3.0	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	43	1		■		GE							µg/L
Vanadium, total recoverable	1.0	1	J			GE							µg/L
Zinc, total recoverable	230	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	8.1	1		■		GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 79 (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	3.3E+01	1				GP							pCi/L
Cesium-137	-7.5E-01	1	UI			GP							pCi/L
Cobalt-60	1.3E+00	1	UI			GP							pCi/L
Curium-242	3.5E-02	1	UI			GP							pCi/L
Curium-243/244	6.5E+01	1				GP							pCi/L
Curium-245/246	1.3E+00	1				GP							pCi/L
Gross alpha	7.6E+02	1		■		GP	2.2E+03	1		■		GP	pCi/L
Iodine-129	1.2E+02	1				GP							pCi/L
Nonvolatile beta	9.7E+02	1	V	■		GP	1.5E+03	1		■		GP	pCi/L
Plutonium-238	-1.6E-02	1	UI			GP							pCi/L
Plutonium-239/240	3.3E-02	1	UI			GP							pCi/L
Radium-226	2.3E+01	1	V	■		GP							pCi/L
Radium-228	1.5E+01	1		■		GP							pCi/L
Strontium-90	2.6E+02	1	V	■		GP							pCi/L
Technetium-99	1.1E+02	1				GP							pCi/L
Thorium-228	3.0E-01	1	UI			GP							pCi/L
Thorium-230	4.9E-01	1	UIV			GP							pCi/L
Thorium-232	5.9E-02	1	UI			GP							pCi/L
Total alpha emitters	6.8E+02			■									pCi/L
Total beta emitters	5.1E+02			■									pCi/L
Tritium	8.0E+03	1		■		GP	1.8E+04	1		■		GP	pCi/mL
Uranium-233/234	1.6E+02	1	V			GP							pCi/L
Uranium-235	1.6E+01	1				GP							pCi/L
Uranium-238	4.1E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 79A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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	07/18/96	10/01/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	157.9	158.0	ft msl
pH	6.0	6.2	pH
Sp. conductance	72	82	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	33	23	mg/L
Turbidity	0	0	NTU
Volumes purged	2.3	2.5	well volumes
Sampling code			
Synchronous water level	158.4 (09/18/96)	158.0 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	4.8	1	J			WA	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	930	1				WA	430	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 79A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.1E+00	1	J1			TM	5.5E-01	1	UI			GP	pCi/L
Iodine-129													
Nonvolatile beta	3.9E+00	1				TM	5.9E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	7.0E+01	1		■		TM	8.1E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 79B

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

SAMPLE DATE	07/17/96	10/01/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	158.4	158.3	ft msl
pH	6.8	6.8	pH
Sp. conductance	140	160	µS/cm
Water temperature	26.0	23.0	°C
Alkalinity as CaCO ₃	51	58	mg/L
Turbidity	1	0	NTU
Volumes purged	2.5	2.6	well volumes
Sampling code			
Synchronous water level	158.8 (09/18/96)	158.4 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	0.66	1	J			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	3.0	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,100	2	V			GE	740	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 79B (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.3E+00	1				GP	1.2E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	1.5E+00	1				GP	2.5E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.2E+01	1		■		GP	2.9E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 79C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73668.0 E50171.3	33.270565 °N 81.677785 °W	159.6-149.8 ft msl	218.4 ft msl	4" PVC	V	Barnwell (IIB1)

SAMPLE DATE 07/31/96

10/08/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	196.3	196.6	ft msl
pH	3.4	3.4	pH
Sp. conductance	1400	1040	µS/cm
Water temperature	22.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	0	NTU
Volumes purged	2.5	2.1	well volumes
Sampling code			
Synchronous water level	196.8 (09/18/96)	196.4 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	8.5	1				GE							µg/L
Barium, total recoverable	630	1	V			GE							µg/L
Cadmium, total recoverable	19	1	V	■		GE	19	1		■		GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	150	1		■		GE							µg/L
Copper, total recoverable	55	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	3.2	1	J			GE	6.5	1				GE	µg/L
Mercury, total recoverable	0.93	1				GE							µg/L
Nickel, total recoverable	44	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	180,000	250	JV	■		GE	160,000	500		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	5.7	1		■		GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	110	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	16	1		■		GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 79C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.8E+01	1				GP							pCi/L
Cesium-137	1.2E+00	1	UI			GP							pCi/L
Cobalt-60	4.4E+00	1	UI			GP							pCi/L
Curium-242	-1.9E-03	1	UI			GP							pCi/L
Curium-243/244	2.6E+01	1				GP							pCi/L
Curium-245/246	6.4E-01	1				GP							pCi/L
Gross alpha	6.0E+02	1		■		GP	9.2E+02	1		■		GP	pCi/L
Iodine-129	8.3E+01	1				GP							pCi/L
Nonvolatile beta	2.0E+03	1	V	■		GP	2.1E+03	1		■		GP	pCi/L
Plutonium-238	1.1E-01	1	UI			GP							pCi/L
Plutonium-239/240	1.9E-01	1				GP							pCi/L
Radium-226	7.1E+01	1	V	■		GP							pCi/L
Radium-228	2.0E+01	1		■		GP							pCi/L
Strontium-90	8.2E+02	1	V	■		GP							pCi/L
Technetium-99	1.5E+02	1				GP							pCi/L
Thorium-228	1.1E+00	1				GP							pCi/L
Thorium-230	8.7E-01	1	UIV			GP							pCi/L
Thorium-232	1.3E-01	1	UI			GP							pCi/L
Total alpha emitters	5.5E+02			■									pCi/L
Total beta emitters	1.1E+03			■									pCi/L
Tritium	1.1E+04	1		■		GP	1.0E+04	1		■		GP	pCi/mL
Uranium-233/234	2.3E+02	1	V			GP							pCi/L
Uranium-235	1.9E+01	1				GP							pCi/L
Uranium-238	2.5E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 87A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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	07/01/96	10/03/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	153.9	153.8	ft msl
pH	6.2	6.4	pH
Sp. conductance	100	96	µS/cm
Water temperature	25.0	24.0	°C
Alkalinity as CaCO ₃	26	54	mg/L
Turbidity	1	0	NTU
Volumes purged	3.6	2.4	well volumes
Sampling code			
Synchronous water level	154.0 (09/18/96)	153.8 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	470	1				GE	240	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 87A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.3E-01	1	UI			GP	8.3E-01	1	J			GP	pCi/L
Iodine-129													
Nonvolatile beta	1.5E+00	1				GP	1.2E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.8E+00	1				GP	1.6E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 87B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
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	07/01/96	10/03/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	150.7	150.6	ft msl
pH	5.6	5.8	pH
Sp. conductance	92	92	µS/cm
Water temperature	25.0	25.0	°C
Alkalinity as CaCO ₃	2	1	mg/L
Turbidity	2	1	NTU
Volumes purged	3.8	3.0	well volumes
Sampling code			
Synchronous water level	150.6 (09/18/96)	150.5 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	62	1		■		GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	6,900	10	V			GE	7,400	5	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 87B (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	8.1E-01	1	UI			GP	6.8E-01	1	J			GP	pCi/L
Iodine-129													
Nonvolatile beta	4.9E+00	1				GP	2.8E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.0E+02	1		■		GP	1.1E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 87C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75591.9 E50093.4	33.274692 °N 81.681728 °W	159.3-148.8 ft msl	287.5 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/01/96	10/03/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	208.6	208.2	ft msl
pH	5.4	5.8	pH
Sp. conductance	100	94	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	6	4	mg/L
Turbidity	1	1	NTU
Volumes purged	3.1	2.2	well volumes
Sampling code			
Synchronous water level	208.3 (09/18/96)	207.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable							16	1				GE	µg/L
Cadmium, total recoverable	<2.0	1				GE	0.56	1	J			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	7.8	1				GE	15	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable							1.4	1	J			GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	7,800	10	V			GE	7,900	25				WA	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable							<2.0	1				GE	µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 87C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.0E+00	1				GP	1.3E+01	1				TM	pCi/L
Iodine-129													
Nonvolatile beta	3.3E+00	1				GP	7.0E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.0E+02	1		■		GP	4.1E+02	1		■		TM	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 88C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75619.4 E51518.0	33.277078 °N 81.678031 °W	168.4-158.4 ft msl	283 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 07/19/96

10/03/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	211.9	211.9	ft msl
pH	5.6	5.4	pH
Sp. conductance	42	46	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	11	18	mg/L
Turbidity	1	1	NTU
Volumes purged	2.7	2.9	well volumes
Sampling code			
Synchronous water level	211.9 (09/18/96)	211.5 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	13	1	V			GE							µg/L
Cadmium, total recoverable	0.31	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable	1.7	1	J			GE							µg/L
Cobalt, total recoverable	<0.76	1	V			GE							µg/L
Copper, total recoverable	3.2	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	1.3	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,700	2	V			GE	2,200	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<0.72	1	V			GE							µg/L
Zinc, total recoverable	<17	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	1.1	1	J			GE							µg/L
Trichloroethylene	1.0	1	J			GE							µg/L
Trichlorofluoromethane	3.7	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 88C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.5E-01	1	UI			GP							pCi/L
Cesium-137	1.8E-01	1	UI			GP							pCi/L
Cobalt-60	4.4E-01	1	UI			GP							pCi/L
Curium-242	9.6E-02	1	UI			GP							pCi/L
Curium-243/244	1.4E-01	1	UI			GP							pCi/L
Curium-245/246	2.2E-02	1	UI			GP							pCi/L
Gross alpha	6.8E-01	1				GP	8.0E-01	1	J			GP	pCi/L
Iodine-129	-9.7E-02	1	UI			GP							pCi/L
Nonvolatile beta	4.7E-01	1	UI			GP	9.8E-01	1				GP	pCi/L
Plutonium-238	4.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	-8.2E-03	1	UI			GP							pCi/L
Radium-226	5.1E-01	1				GP							pCi/L
Radium-228	-1.3E+00	1	UI			GP							pCi/L
Strontium-90	8.6E-03	1	UI			GP							pCi/L
Technetium-99	4.1E+00	1	UI			GP							pCi/L
Thorium-228	6.2E-04	1	UI			GP							pCi/L
Thorium-230	3.0E-01	1				GP							pCi/L
Thorium-232	-3.9E-03	1	UI			GP							pCi/L
Total alpha emitters	3.0E-01												pCi/L
Total beta emitters													
Tritium	3.9E+01	1		■		GP	1.7E+01	1				GP	pCi/mL
Uranium-233/234	3.1E-02	1	UI			GP							pCi/L
Uranium-235	4.7E-02	1	UI			GP							pCi/L
Uranium-238	9.4E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 88D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	08/02/96	10/03/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	215.9	215.6	ft msl
pH	3.8	3.6	pH
Sp. conductance	300	360	µS/cm
Water temperature	27.0	27.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	4	1	NTU
Volumes purged	0.0	2.9	well volumes
Sampling code	X		
Synchronous water level	215.6 (09/18/96)	215.3 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	86	1				GE							µg/L
Cadmium, total recoverable	0.70	1	J			GE	1.0	1	J			GE	µg/L
Chromium, total recoverable	3.3	1	J			GE							µg/L
Cobalt, total recoverable	10	1				GE							µg/L
Copper, total recoverable	40	1				GE							µg/L
Cyanide	<10	1	Y			GE							µg/L
Lead, total recoverable	4.8	1	J			GE	8.0	1				GE	µg/L
Mercury, total recoverable	5.4	1		■		GE							µg/L
Nickel, total recoverable	13	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	38,000	50	VY	■		GE	36,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	0.99	1	J			GE							µg/L
Zinc, total recoverable	71	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1	Y			GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1	Y			GE							µg/L
Dichloromethane	<10	1	Y			GE							µg/L
Phenols	<5.0	1	Y			GE							µg/L
Tetrachloroethylene	<2.0	1	Y			GE							µg/L
Trichloroethylene	<2.0	1	Y			GE							µg/L
Trichlorofluoromethane	<2.0	1	Y			GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 88D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.4E+01	1				GP							pCi/L
Cesium-137	2.4E+00	1	UI			GP							pCi/L
Cobalt-60	1.3E+00	1	UI			GP							pCi/L
Curium-242	-3.9E-02	1	UI			GP							pCi/L
Curium-243/244	4.4E+01	1				GP							pCi/L
Curium-245/246	3.3E-01	1				GP							pCi/L
Gross alpha	3.2E+02	1		■		GP	1.9E+02	1	J	■		GP	pCi/L
Iodine-129	7.8E+01	1				GP							pCi/L
Nonvolatile beta	4.7E+02	1		■		GP	3.4E+02	1		■		GP	pCi/L
Plutonium-238	1.2E-01	1	UI			GP							pCi/L
Plutonium-239/240	1.6E-01	1				GP							pCi/L
Radium-226	2.5E+00	1				GP							pCi/L
Radium-228	5.1E+00	1		■		GP							pCi/L
Strontium-90	1.5E+02	1	V	■		GP							pCi/L
Technetium-99	3.6E+01	1	J			GP							pCi/L
Thorium-228	3.3E-01	1	UI			GP							pCi/L
Thorium-230	6.5E-01	1	UIV			GP							pCi/L
Thorium-232	9.5E-02	1	UI			GP							pCi/L
Total alpha emitters	4.3E+02			■									pCi/L
Total beta emitters	2.7E+02			■									pCi/L
Tritium	6.3E+02	1		■		GP	9.0E+02	1		■		GP	pCi/mL
Uranium-233/234	1.6E+02	1	V			GP							pCi/L
Uranium-235	1.7E+01	1				GP							pCi/L
Uranium-238	2.0E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 89C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75553.2 E51345.2	33.276650 °N 81.678357 °W	166.1-156.1 ft msl	281.3 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/19/96	10/03/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	211.6	211.2	ft msl
pH	5.8	5.6	pH
Sp. conductance	48	54	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	12	10	mg/L
Turbidity	0	0	NTU
Volumes purged	2.7	3.3	well volumes
Sampling code			
Synchronous water level	211.3 (09/18/96)	210.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	11	1	V			GE	11	1	V			GE	µg/L
Cadmium, total recoverable	<2.0	1				GE	0.74	1	J			GE	µg/L
Chromium, total recoverable	1.6	1	J			GE							µg/L
Cobalt, total recoverable	<0.95	1	V			GE							µg/L
Copper, total recoverable	2.3	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	<10	1				GE	1.1	1	J			GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,900	2	V			GE	1,900	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<1.0	1	V			GE							µg/L
Zinc, total recoverable	<13	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	7.6	1		■		GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 89C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.1E-01	1	UIV			GP							pCi/L
Cesium-137	9.2E-01	1	UI			GP							pCi/L
Cobalt-60	4.8E-01	1	UI			GP							pCi/L
Curium-242	1.4E-01	1				GP							pCi/L
Curium-243/244	-6.1E-03	1	UI			GP							pCi/L
Curium-245/246	1.4E-01	1				GP							pCi/L
Gross alpha	4.9E-01	1				GP	4.5E-01	1	J			GP	pCi/L
Iodine-129	7.2E-01	1	UI			GP							pCi/L
Nonvolatile beta	8.2E-01	1				GP	6.7E-01	1				GP	pCi/L
Plutonium-238	4.5E-02	1	UI			GP							pCi/L
Plutonium-239/240	-8.3E-03	1	UI			GP							pCi/L
Radium-226	6.2E-01	1				GP							pCi/L
Radium-228	3.9E-02	1	UI			GP							pCi/L
Strontium-90	-8.5E-02	1	UI			GP							pCi/L
Technetium-99	3.6E+00	1	UI			GP							pCi/L
Thorium-228	1.7E-01	1	UI			GP							pCi/L
Thorium-230	1.0E-01	1	UI			GP							pCi/L
Thorium-232	-3.7E-03	1	UI			GP							pCi/L
Total alpha emitters	4.0E-01												pCi/L
Total beta emitters													
Tritium	1.4E+01	1				GP	1.6E+01	1				GP	pCi/mL
Uranium-233/234	1.2E-01	1				GP							pCi/L
Uranium-235	5.1E-03	1	UI			GP							pCi/L
Uranium-238	5.1E-03	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 89D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	08/01/96	10/03/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	215.1	214.8	ft msl
pH	3.5	3.8	pH
Sp. conductance	160	440	µS/cm
Water temperature	24.0	27.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	5	2	NTU
Volumes purged	2.7	2.8	well volumes
Sampling code			
Synchronous water level	214.9 (09/18/96)	214.5 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	33	1	V			GE							µg/L
Cadmium, total recoverable	1.3	1	J			GE	4.9	1				GE	µg/L
Chromium, total recoverable	5.3	1				GE							µg/L
Cobalt, total recoverable	49	1	V			GE							µg/L
Copper, total recoverable	18	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	3.2	1	J			GE	2.8	1	J			GE	µg/L
Mercury, total recoverable	2.9	1	J	■		GE							µg/L
Nickel, total recoverable	6.7	1	JV			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	18,000	10	V	■		GE	44,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<4.6	1	V			GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<18	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 89D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	7.0E+00	1				GP							pCi/L
Cesium-137	-1.5E+00	1	UI			GP							pCi/L
Cobalt-60	1.2E+00	1	UI			GP							pCi/L
Curium-242	-1.9E-02	1	UI			GP							pCi/L
Curium-243/244	4.2E+00	1				GP							pCi/L
Curium-245/246	2.0E-01	1				GP							pCi/L
Gross alpha	1.4E+02	1		■		GP	3.2E+02	1	J	■		GP	pCi/L
Iodine-129	5.5E+01	1	J			GP							pCi/L
Nonvolatile beta	3.7E+02	1		■		GP	8.5E+02	1		■		GP	pCi/L
Plutonium-238	-3.7E-03	1	UI			GP							pCi/L
Plutonium-239/240	-4.8E-02	1	UI			GP							pCi/L
Radium-226	3.7E+00	1				GP							pCi/L
Radium-228	3.5E+00	1				GP							pCi/L
Strontium-90	1.7E+02	1		■		GP							pCi/L
Technetium-99	2.6E+01	1				GP							pCi/L
Thorium-228	4.7E-02	1	UI			GP							pCi/L
Thorium-230	1.9E-01	1				GP							pCi/L
Thorium-232	3.7E-02	1	UI			GP							pCi/L
Total alpha emitters	1.6E+02			■									pCi/L
Total beta emitters	2.6E+02			■									pCi/L
Tritium	8.2E+02	1		■		GP	1.4E+03	1		■		GP	pCi/mL
Uranium-233/234	6.5E+01	1				GP							pCi/L
Uranium-235	6.2E+00	1				GP							pCi/L
Uranium-238	8.0E+01	1				GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 90C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75382.9 E51148.6	33.275952 °N 81.678544 °W	168.1-158.1 ft msl	278.4 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/24/96	10/03/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	210.1	210.0	ft msl
pH	6.0	6.2	pH
Sp. conductance	140	160	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	46	25	mg/L
Turbidity	0	1	NTU
Volumes purged	2.3	2.4	well volumes
Sampling code			
Synchronous water level	()	209.6 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<2.1	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	39	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable	1.1	1	J			GE							µg/L
Cobalt, total recoverable	0.80	1	J			GE							µg/L
Copper, total recoverable	<4.0	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	1.7	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	14,000	10	V	■		GE	13,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<13	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	1.4	1	J			GE							µg/L
Trichloroethylene	1.3	1	J			GE							µg/L
Trichlorofluoromethane	1.8	1	J			GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 90C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.9E-02	1	UI			GP							pCi/L
Cesium-137	-9.7E-02	1	UI			GP							pCi/L
Cobalt-60	-6.2E-01	1	UI			GP							pCi/L
Curium-242	2.8E-02	1	UI			GP							pCi/L
Curium-243/244	2.5E-01	1	UI			GP							pCi/L
Curium-245/246	3.6E-02	1	UI			GP							pCi/L
Gross alpha	2.8E+00	1				GP	3.7E+00	1	J			GP	pCi/L
Iodine-129	0.0E+00	1	UI			GP							pCi/L
Nonvolatile beta	1.8E+01	1				GP	1.9E+01	1				GP	pCi/L
Plutonium-238	2.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	6.2E-02	1	UI			GP							pCi/L
Radium-226	1.0E+00	1	UIV			GP							pCi/L
Radium-228	6.1E-01	1	UI			GP							pCi/L
Strontium-90	3.9E+00	1				GP							pCi/L
Technetium-99	1.9E+01	1	UI			GP							pCi/L
Thorium-228	8.6E-02	1	UI			GP							pCi/L
Thorium-230	1.8E-01	1				GP							pCi/L
Thorium-232	2.6E-02	1	UI			GP							pCi/L
Total alpha emitters	1.8E-01												pCi/L
Total beta emitters	3.9E+00												pCi/L
Tritium	5.4E+02	1		■		GP	4.9E+02	1		■		GP	pCi/mL
Uranium-233/234	6.3E-02	1	UI			GP							pCi/L
Uranium-235	3.3E-02	1	UI			GP							pCi/L
Uranium-238	3.7E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 90D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE

10/03/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation			
pH		3.4	pH
Sp. conductance		1020	µS/cm
Water temperature		25.0	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		5	NTU
Volumes purged			
Sampling code		NSX	
Synchronous water level		()	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable							11	1		■		GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable							71	1		■		GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen							140,000	100		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 90D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha							8.6E+02	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta							2.0E+03	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium							1.1E+04	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 91C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75213.3 E50953.5	33.275259 °N 81.678728 °W	159.1-149.1 ft msl	279.3 ft msl	4" PVC	S	Barnwell (HB1)

SAMPLE DATE	07/11/96	10/07/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	210.5	210.1	ft msl
pH	5.2	5.2	pH
Sp. conductance	160	180	µS/cm
Water temperature	28.0	23.0	°C
Alkalinity as CaCO ₃	12	6	mg/L
Turbidity	3	4	NTU
Volumes purged	0.0	0.025	well volumes
Sampling code	X	X	
Synchronous water level	210.2 (09/18/96)	209.8 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<2.4	1	V			GE							µg/L
Barium, total recoverable	66	1				GE							µg/L
Cadmium, total recoverable	2.6	1				GE	1.9	1	J			GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	9.3	1				GE							µg/L
Copper, total recoverable	10	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	3.0	1	J			GE	3.9	1	J			GE	µg/L
Mercury, total recoverable	0.35	1				GE							µg/L
Nickel, total recoverable	5.8	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	19,000	20	V	■		GE	17,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	24	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	1.9	1	J			GE							µg/L
Trichlorofluoromethane	2.5	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 91C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.7E-01	1	UIV			GP							pCi/L
Cesium-137	-5.6E-01	1	UI			GP							pCi/L
Cobalt-60	1.2E+00	1	UI			GP							pCi/L
Curium-242	1.5E-01	1	UI			GP							pCi/L
Curium-243/244	6.8E-02	1	UI			GP							pCi/L
Curium-245/246	1.5E-02	1	UI			GP							pCi/L
Gross alpha	2.5E+01	1		■		GP	4.0E+01	1		■		GP	pCi/L
Iodine-129	3.0E+01	1	J			GP							pCi/L
Nonvolatile beta	2.9E+02	1		■		GP	2.8E+02	1		■		GP	pCi/L
Plutonium-238	1.7E-01	1	UI			GP							pCi/L
Plutonium-239/240	3.2E-01	1				GP							pCi/L
Radium-226	1.0E+01	1		■		GP							pCi/L
Radium-228	4.2E+00	1				GP							pCi/L
Strontium-90	1.5E+02	1		■		GP							pCi/L
Technetium-99	2.3E+01	1	J			GP							pCi/L
Thorium-228	1.5E-01	1	UI			GP							pCi/L
Thorium-230	6.8E-01	1				GP							pCi/L
Thorium-232	2.5E-02	1	UI			GP							pCi/L
Total alpha emitters	3.1E+00			■									pCi/L
Total beta emitters	2.1E+02			■									pCi/L
Tritium	4.3E+02	1		■		GP	3.9E+02	1		■		GP	pCi/mL
Uranium-233/234	1.2E+00	1				GP							pCi/L
Uranium-235	3.8E-02	1	UI			GP							pCi/L
Uranium-238	9.3E-01	1				GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 91D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/10/96	10/07/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	213.0	182.7	ft msl
pH	3.8	3.8	pH
Sp. conductance	140	140	µS/cm
Water temperature	27.0	23.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	3	5	NTU
Volumes purged	3.5	0.64	well volumes
Sampling code			
Synchronous water level	212.6 (09/18/96)	212.3 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	2.2	1	J			GE							µg/L
Barium, total recoverable	40	1	V			GE							µg/L
Cadmium, total recoverable	0.43	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable	0.88	1	J			GE							µg/L
Cobalt, total recoverable	0.86	1	J			GE							µg/L
Copper, total recoverable	9.4	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	1.2	1	J			GE	1.3	1	J			GE	µg/L
Mercury, total recoverable	0.26	1	V			GE							µg/L
Nickel, total recoverable	1.8	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	11,000	10	V	■		GE	11,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<0.50	1	V			GE							µg/L
Zinc, total recoverable	10	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 91D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.2E+00	1				GP							pCi/L
Cesium-137	1.5E+00	1	UI			GP							pCi/L
Cobalt-60	5.7E-01	1	UI			GP							pCi/L
Curium-242	0.0E+00	1	UI			GP							pCi/L
Curium-243/244	1.0E+00	1				GP							pCi/L
Curium-245/246	7.1E-02	1	UIV			GP							pCi/L
Gross alpha	1.1E+02	1		■		GP	1.0E+02	1		■		GP	pCi/L
Iodine-129	1.7E+01	1	J			GP							pCi/L
Nonvolatile beta	6.1E+01	1		■		GP	5.9E+01	1		■		GP	pCi/L
Plutonium-238	-4.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	-1.1E-02	1	UI			GP							pCi/L
Radium-226	3.8E+00	1	V			GP							pCi/L
Radium-228	2.2E+00	1				GP							pCi/L
Strontium-90	2.5E+01	1		■		GP							pCi/L
Technetium-99	2.1E+00	1	UI			GP							pCi/L
Thorium-228	1.8E-01	1	UI			GP							pCi/L
Thorium-230	1.8E-01	1				GP							pCi/L
Thorium-232	0.0E+00	1	UI			GP							pCi/L
Total alpha emitters	1.1E+02			■									pCi/L
Total beta emitters	4.4E+01												pCi/L
Tritium	1.8E+02	1		■		GP	3.4E+02	1		■		GP	pCi/mL
Uranium-233/234	4.2E+01	1				GP							pCi/L
Uranium-235	4.7E+00	1				GP							pCi/L
Uranium-238	6.1E+01	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 92C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75053.2 E50564.0	33.274269 °N 81.679442 °W	157.6-147.6 ft msl	275.7 ft msl	4" PVC	V	Barnwell (IIB1)

SAMPLE DATE 08/06/96

10/04/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	189.2	208.6	ft msl
pH	5.4	4.8	pH
Sp. conductance	360	340	µS/cm
Water temperature	23.0	26.0	°C
Alkalinity as CaCO ₃	5	1	mg/L
Turbidity	3	1	NTU
Volumes purged	2.2	2.2	well volumes
Sampling code			
Synchronous water level	209.0 (09/18/96)	208.7 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<2.6	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	130	1				GE							µg/L
Cadmium, total recoverable	5.8	1		■		GE	5.0	1				GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	42	1				GE							µg/L
Copper, total recoverable	5.3	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	20	1		■		GE	1.5	1	J			GE	µg/L
Mercury, total recoverable	0.11	1	J			GE							µg/L
Nickel, total recoverable	19	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	40,000	20	V	■		GE	36,000	50				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	72	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	1.7	1	J			GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	3.4	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 92C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.8E-02	1	UI			GP							pCi/L
Cesium-137	1.5E-03	1	UI			GP							pCi/L
Cobalt-60	4.2E-01	1	UI			GP							pCi/L
Curium-242	-4.0E-02	1	UI			GP							pCi/L
Curium-243/244	-6.0E-02	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	3.3E+01	1	V	■		GP	6.9E+01	1		■		GP	pCi/L
Iodine-129	2.2E+01	1				GP							pCi/L
Nonvolatile beta	3.0E+02	1		■		GP	3.2E+02	1		■		GP	pCi/L
Plutonium-238	3.2E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.6E-02	1	UI			GP							pCi/L
Radium-226	2.3E+01	1		■		GP							pCi/L
Radium-228	6.5E+00	1		■		GP							pCi/L
Strontium-90	1.7E+02	1		■		GP							pCi/L
Technetium-99	3.6E+01	1				GP							pCi/L
Thorium-228	4.8E-02	1	UI			GP							pCi/L
Thorium-230	5.4E-02	1	UI			GP							pCi/L
Thorium-232	-7.3E-03	1	UI			GP							pCi/L
Total alpha emitters	2.4E+00			■									pCi/L
Total beta emitters	2.4E+02												pCi/L
Tritium	1.3E+03	1		■		GP	1.2E+03	1		■		GP	pCi/mL
Uranium-233/234	1.2E+00	1				GP							pCi/L
Uranium-235	3.7E-02	1	UI			GP							pCi/L
Uranium-238	1.2E+00	1				GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 92D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE 07/31/96

10/08/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	211.3	211.1	ft msl
pH	4.0	3.4	pH
Sp. conductance	1100	1020	µS/cm
Water temperature	25.0	24.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	10	2	NTU
Volumes purged	4.1	2.8	well volumes
Sampling code			
Synchronous water level	211.0 (09/18/96)	210.8 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	6.9	1				GE							µg/L
Barium, total recoverable	430	1	V			GE							µg/L
Cadmium, total recoverable	18	1	V	■		GE	20	1		■		GE	µg/L
Chromium, total recoverable	4.1	1				GE							µg/L
Cobalt, total recoverable	14	1				GE							µg/L
Copper, total recoverable	35	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	4.0	1	J			GE	3.6	1	J			GE	µg/L
Mercury, total recoverable	0.40	1				GE							µg/L
Nickel, total recoverable	21	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	120,000	100	JV	■		GE	150,000	100		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	1.5	1	J			GE							µg/L
Zinc, total recoverable	76	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 92D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.9E+01	1				GP							pCi/L
Cesium-137	2.5E+00	1	UI			GP							pCi/L
Cobalt-60	1.5E+00	1	UI			GP							pCi/L
Curium-242	3.6E-02	1	UI			GP							pCi/L
Curium-243/244	1.8E+01	1				GP							pCi/L
Curium-245/246	7.1E-01	1				GP							pCi/L
Gross alpha	6.1E+02	1		■		GP	8.7E+02	1		■		GP	pCi/L
Iodine-129	6.7E+01	1				GP							pCi/L
Nonvolatile beta	1.4E+03	1	V	■		GP	1.6E+03	1		■		GP	pCi/L
Plutonium-238	2.2E-01	1	UI			GP							pCi/L
Plutonium-239/240	1.9E-01	1	UI			GP							pCi/L
Radium-226	4.8E+01	1	V	■		GP							pCi/L
Radium-228	2.9E+01	1		■		GP							pCi/L
Strontium-90	5.7E+02	1	V	■		GP							pCi/L
Technetium-99	6.2E+01	1				GP							pCi/L
Thorium-228	5.8E-01	1	UI			GP							pCi/L
Thorium-230	1.5E+00	1	UIV			GP							pCi/L
Thorium-232	1.8E-01	1	UI			GP							pCi/L
Total alpha emitters	5.0E+02			■									pCi/L
Total beta emitters	7.3E+02			■									pCi/L
Tritium	4.9E+03	1		■		GP	6.7E+03	1		■		GP	pCi/mL
Uranium-233/234	2.0E+02	1	V			GP							pCi/L
Uranium-235	1.7E+01	1				GP							pCi/L
Uranium-238	2.4E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 93C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74897.3 E50458.3	33.273752 °N 81.679418 °W	152.0-142.0 ft msl	276.2 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 07/22/96

10/04/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	208.4	208.1	ft msl
pH	5.0	4.9	pH
Sp. conductance	260	260	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	6	1	mg/L
Turbidity	1	0	NTU
Volumes purged	2.5	4.0	well volumes
Sampling code			
Synchronous water level	208.3 (09/18/96)	208.0 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	48	1	V			GE							µg/L
Cadmium, total recoverable	0.54	1	J			GE	0.56	1	J			GE	µg/L
Chromium, total recoverable	1.2	1	J			GE							µg/L
Cobalt, total recoverable	2.4	1	JV			GE							µg/L
Copper, total recoverable	3.2	1	J			GE							µg/L
Cyanide	3.6	1	J			GE							µg/L
Lead, total recoverable	<5.0	1				GE	1.5	1	J			GE	µg/L
Mercury, total recoverable	0.47	1				GE							µg/L
Nickel, total recoverable	6.1	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	33,000	50		■		GE	27,000	50		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<0.57	1	V			GE							µg/L
Zinc, total recoverable	77	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	2.1	1				GE							µg/L
Trichlorofluoromethane	6.3	1		■		GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 93C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-1.9E-02	1	UI			GP							pCi/L
Cesium-137	-1.1E-01	1	UI			GP							pCi/L
Cobalt-60	1.4E+00	1	UI			GP							pCi/L
Curium-242	5.8E-03	1	UI			GP							pCi/L
Curium-243/244	-2.9E-02	1	UI			GP							pCi/L
Curium-245/246	-4.7E-03	1	UI			GP							pCi/L
Gross alpha	3.6E+00	1	J			GP	8.8E+00	1				GP	pCi/L
Iodine-129	8.2E+00	1				GP							pCi/L
Nonvolatile beta	3.7E+01	1				GP	3.9E+01	1				GP	pCi/L
Plutonium-238	-4.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	5.1E-02	1	UI			GP							pCi/L
Radium-226	2.7E+00	1	V			GP							pCi/L
Radium-228	8.2E-01	1	UI			GP							pCi/L
Strontium-90	5.6E+00	1				GP							pCi/L
Technetium-99	4.1E+01	1				GP							pCi/L
Thorium-228	1.1E-01	1	UI			GP							pCi/L
Thorium-230	1.4E-01	1				GP							pCi/L
Thorium-232	1.7E-02	1	UI			GP							pCi/L
Total alpha emitters	2.3E-01												pCi/L
Total beta emitters	5.5E+01			■									pCi/L
Tritium	1.1E+03	1		■		GP	9.5E+02	1		■		GP	pCi/mL
Uranium-233/234	9.3E-02	1				GP							pCi/L
Uranium-235	-1.1E-04	1	UI			GP							pCi/L
Uranium-238	4.9E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 93D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
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 (IIB2)

<u>SAMPLE DATE</u>	08/01/96	10/03/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	210.1	209.8	ft msl
pH	3.4	3.4	pH
Sp. conductance	920	1000	µS/cm
Water temperature	26.0	27.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	3	2	NTU
Volumes purged	0.0	0.0	well volumes
Sampling code	X	X	
Synchronous water level	209.8 (09/18/96)	209.5 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	14	1				GE							µg/L
Barium, total recoverable	390	1				GE							µg/L
Cadmium, total recoverable	14	1		■		GE	16	1		■		GE	µg/L
Chromium, total recoverable	2.0	1	J			GE							µg/L
Cobalt, total recoverable	15	1				GE							µg/L
Copper, total recoverable	54	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	9.8	1				GE	8.7	1				GE	µg/L
Mercury, total recoverable	0.40	1				GE							µg/L
Nickel, total recoverable	22	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	120,000	100	V	■		GE	140,000	100		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	2.2	1	J	■		GE							µg/L
Vanadium, total recoverable	0.25	1	J			GE							µg/L
Zinc, total recoverable	79	1				GE							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	3.8	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 93D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	5.0E+00	1				GP							pCi/L
Cesium-137	1.3E+00	1	UI			GP							pCi/L
Cobalt-60	3.9E+00	1				GP							pCi/L
Curium-242	6.6E-02	1	UI			GP							pCi/L
Curium-243/244	2.4E+00	1				GP							pCi/L
Curium-245/246	2.9E-01	1				GP							pCi/L
Gross alpha	1.7E+02	1		■		GP	3.1E+02	1		■		GP	pCi/L
Iodine-129	9.0E+01	1				GP							pCi/L
Nonvolatile beta	2.0E+03	1		■		GP	1.7E+03	1		■		GP	pCi/L
Plutonium-238	1.9E-02	1	UI			GP							pCi/L
Plutonium-239/240	4.2E-01	1				GP							pCi/L
Radium-226	2.5E+01	1		■		GP							pCi/L
Radium-228	2.8E+01	1		■		GP							pCi/L
Strontium-90	8.8E+02	1	V	■		GP							pCi/L
Technetium-99	1.0E+02	1				GP							pCi/L
Thorium-228	6.1E-01	1				GP							pCi/L
Thorium-230	7.9E-01	1	UIV			GP							pCi/L
Thorium-232	0.0E+00	1	UI			GP							pCi/L
Total alpha emitters	1.5E+02			■									pCi/L
Total beta emitters	1.1E+03			■									pCi/L
Tritium	6.5E+03	1		■		GP	6.5E+03	1		■		GP	pCi/mL
Uranium-233/234	5.7E+01	1	V			GP							pCi/L
Uranium-235	4.7E+00	1				GP							pCi/L
Uranium-238	8.0E+01	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 94C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N74869.0 E50180.0	33.273235 °N 81.680096 °W	149.8-139.8 ft msl	281.1 ft msl	4" PVC	V	Barnwell (IIB1)

<u>SAMPLE DATE</u>	08/01/96	10/03/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	207.3	207.1	ft msl
pH	3.6	3.8	pH
Sp. conductance	2000	2000	µS/cm
Water temperature	27.0	27.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	17	0	NTU
Volumes purged	0.023	0.023	well volumes
Sampling code	X	X	
Synchronous water level	207.3 (09/18/96)	206.8 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	620	1				GE							µg/L
Cadmium, total recoverable	25	1		■		GE	25	1		■		GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	700	1		■		GE							µg/L
Copper, total recoverable	67	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	21	1		■		GE	8.4	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	190	1		■		GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	290,000	200	V	■		GE	260,000	500		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	4.4	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	37	1		■		GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	340	1				GE							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	9.8	1		■		GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 94C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	6.4E-01	1	UI			GP							pCi/L
Cesium-137	4.6E+00	1	UI			GP							pCi/L
Cobalt-60	5.0E+00	1				GP							pCi/L
Curium-242	7.4E-01	1	UI			GP							pCi/L
Curium-243/244	-1.9E-01	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	1.4E+02	1		■		GP	2.0E+02	1		■		GP	pCi/L
Iodine-129	1.2E+02	1				GP							pCi/L
Nonvolatile beta	2.3E+03	1		■		GP	2.4E+03	1		■		GP	pCi/L
Plutonium-238	4.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	5.0E-01	1				GP							pCi/L
Radium-226	6.6E+01	1		■		GP							pCi/L
Radium-228	2.3E+01	1		■		GP							pCi/L
Strontium-90	7.3E+02	1	V	■		GP							pCi/L
Technetium-99	2.3E+02	1	J			GP							pCi/L
Thorium-228	8.2E-01	1				GP							pCi/L
Thorium-230	2.3E+00	1	UIV			GP							pCi/L
Thorium-232	1.3E-01	1	UI			GP							pCi/L
Total alpha emitters	5.0E+01			■									pCi/L
Total beta emitters	1.1E+03			■									pCi/L
Tritium	1.1E+04	1		■		GP	1.1E+04	1		■		GP	pCi/mL
Uranium-233/234	2.4E+01	1	V			GP							pCi/L
Uranium-235	1.6E+00	1				GP							pCi/L
Uranium-238	2.3E+01	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 94DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE 08/01/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	209.1	209	ft msl
pH	3.6	3.4	pH
Sp. conductance	800	100	µS/cm
Water temperature	23.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	0.5	NTU
Volumes purged	4.3	5.8	well volumes
Sampling code			
Synchronous water level	209.0 (09/18/96)	208.6 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	530	1				GE							µg/L
Cadmium, total recoverable	3.7	1				GE	3.3	1				GE	µg/L
Chromium, total recoverable	0.81	1	J			GE							µg/L
Cobalt, total recoverable	21	1				GE							µg/L
Copper, total recoverable	51	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	1.3	1	J			GE	µg/L
Mercury, total recoverable	1.8	1				GE							µg/L
Nickel, total recoverable	17	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	89,000	50	V	■		GE	100,000	50		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	5.9	1		■		GE							µg/L
Vanadium, total recoverable	0.32	1	J			GE							µg/L
Zinc, total recoverable	56	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols													
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	3.5	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 94DR (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	3.8E+01	1				GP							pCi/L
Cesium-137	1.1E+02	1				GP							pCi/L
Cobalt-60	3.6E+00	1	UI			GP							pCi/L
Curium-242	-9.0E-02	1	UI			GP							pCi/L
Curium-243/244	6.4E+01	1				GP							pCi/L
Curium-245/246	6.8E-01	1				GP							pCi/L
Gross alpha	6.1E+02	1		■		GP	9.1E+02	1		■		GP	pCi/L
Iodine-129	6.7E+01	1				GP							pCi/L
Nonvolatile beta	8.2E+02	1		■		GP	1.1E+03	1		■		GP	pCi/L
Plutonium-238	2.0E-01	1	UI			GP							pCi/L
Plutonium-239/240	4.0E-01	1				GP							pCi/L
Radium-226	1.2E+01	1		■		GP							pCi/L
Radium-228	3.0E+01	1		■		GP							pCi/L
Strontium-90	2.2E+02	1	V	■		GP							pCi/L
Technetium-99	7.2E+01	1	J			GP							pCi/L
Thorium-228	9.9E-01	1				GP							pCi/L
Thorium-230	5.1E-01	1	UIV			GP							pCi/L
Thorium-232	0.0E+00	1	UI			GP							pCi/L
Total alpha emitters	1.1E+03			■									pCi/L
Total beta emitters	5.0E+02			■									pCi/L
Tritium	3.9E+03	1		■		GP	4.3E+03	1		■		GP	pCi/mL
Uranium-233/234	3.3E+02	1	V			GP							pCi/L
Uranium-235	4.2E+01	1				GP							pCi/L
Uranium-238	6.6E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 95CR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75001.9 E49987.8	33.273215 °N 81.680860 °W	161.9-151.9 ft msl	284 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/01/96	10/08/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	206.8	206.8	ft msl
pH	4.0	3.4	pH
Sp. conductance	1600	2000	µS/cm
Water temperature	25.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	2	0	NTU
Volumes purged	3.1	5.4	well volumes
Sampling code			
Synchronous water level	206.7 (09/18/96)	206.3 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	930	1	V			GE							µg/L
Cadmium, total recoverable	16	1	V	■		GE	1.7	1	J			GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	450	1		■		GE							µg/L
Copper, total recoverable	51	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	4.1	1	J			GE	15	1				GE	µg/L
Mercury, total recoverable	1.5	1				GE							µg/L
Nickel, total recoverable	93	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	220,000	200	JV	■		GE	240,000	500		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	16	1		■		GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	270	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols													
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 95CR (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.3E+01	1				GP							pCi/L
Cesium-137	3.8E+00	1				GP							pCi/L
Cobalt-60	5.4E+00	1				GP							pCi/L
Curium-242	2.1E-01	1	UI			GP							pCi/L
Curium-243/244	2.3E+01	1				GP							pCi/L
Curium-245/246	3.6E-01	1	UI			GP							pCi/L
Gross alpha	9.8E+02	1		■		GP	6.9E+02	1		■		GP	pCi/L
Iodine-129	1.2E+02	1				GP							pCi/L
Nonvolatile beta	2.2E+03	1	V	■		GP	7.1E+02	1		■		GP	pCi/L
Plutonium-238	1.2E-01	1	UI			GP							pCi/L
Plutonium-239/240	1.4E-01	1				GP							pCi/L
Radium-226	1.3E+02	1	V	■		GP							pCi/L
Radium-228	2.6E+01	1		■		GP							pCi/L
Strontium-90	7.2E+02	1	V	■		GP							pCi/L
Technetium-99	2.5E+02	1				GP							pCi/L
Thorium-228	6.7E-01	1				GP							pCi/L
Thorium-230	3.9E-01	1	UIV			GP							pCi/L
Thorium-232	4.8E-02	1	UI			GP							pCi/L
Total alpha emitters	8.3E+02			■									pCi/L
Total beta emitters	1.1E+03			■									pCi/L
Tritium	9.7E+03	1		■		GP	1.0E+04	1		■		GP	pCi/mL
Uranium-233/234	3.6E+02	1	V			GP							pCi/L
Uranium-235	2.7E+01	1				GP							pCi/L
Uranium-238	4.1E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 95DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	08/01/96	10/08/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	209.2	209.1	ft msl
pH	4.0	3.4	pH
Sp. conductance	1800	1050	µS/cm
Water temperature	23.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	5	0	NTU
Volumes purged	4.3	5.5	well volumes
Sampling code			
Synchronous water level	209.1 (09/18/96)	208.7 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	340	1	V			GE							µg/L
Cadmium, total recoverable	<0.35	1	V			GE	17	1		■		GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	20	1				GE							µg/L
Copper, total recoverable	66	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	15	1		■		GE	2.3	1	J			GE	µg/L
Mercury, total recoverable	0.46	1				GE							µg/L
Nickel, total recoverable	17	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	210,000	200	JV	■		GE	180,000	100		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	1.7	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	4.8	1	J	■		GE							µg/L
Vanadium, total recoverable	0.43	1	J			GE							µg/L
Zinc, total recoverable	72	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols													
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 95DR (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	4.4E+01	1				GP							pCi/L
Cesium-137	3.6E+02	1				GP							pCi/L
Cobalt-60	3.2E+00	1	UI			GP							pCi/L
Curium-242	-2.5E-01	1	UI			GP							pCi/L
Curium-243/244	2.6E+01	1				GP							pCi/L
Curium-245/246	6.1E-01	1	UI			GP							pCi/L
Gross alpha	7.8E+02	1		■		GP	1.0E+03	1		■		GP	pCi/L
Iodine-129	2.4E+02	1				GP							pCi/L
Nonvolatile beta	7.9E+02	1	V	■		GP	2.2E+03	1		■		GP	pCi/L
Plutonium-238	1.4E-01	1	UI			GP							pCi/L
Plutonium-239/240	5.9E-02	1	UI			GP							pCi/L
Radium-226	6.9E+00	1		■		GP							pCi/L
Radium-228	2.9E+01	1		■		GP							pCi/L
Strontium-90	5.7E+01	1	V	■		GP							pCi/L
Technetium-99	4.2E+01	1				GP							pCi/L
Thorium-228	5.9E-01	1	UI			GP							pCi/L
Thorium-230	2.4E+00	1	UIV			GP							pCi/L
Thorium-232	-5.4E-02	1	UI			GP							pCi/L
Total alpha emitters	1.4E+03			■									pCi/L
Total beta emitters	7.3E+02			■									pCi/L
Tritium	6.5E+03	1		■		GP	6.9E+03	1		■		GP	pCi/mL
Uranium-233/234	3.2E+02	1	V			GP							pCi/L
Uranium-235	3.6E+01	1				GP							pCi/L
Uranium-238	9.4E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 96AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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	07/26/96	10/04/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	153.0	152.9	ft msl
pH	8.4	6.8	pH
Sp. conductance	160	175	µS/cm
Water temperature	26.0	26.0	°C
Alkalinity as CaCO ₃	71	67	mg/L
Turbidity	1	0	NTU
Volumes purged	2.5	4.7	well volumes
Sampling code			
Synchronous water level	153.1 (09/18/96)	153.0 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.1	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	40	1	V			GE							µg/L
Cadmium, total recoverable	0.15	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable	<3.3	1	V			GE							µg/L
Cobalt, total recoverable	<1.2	1	V			GE							µg/L
Copper, total recoverable	<0.83	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,600	2	V			GE	900	1				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<2.0	1	V			GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 96AR (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.0E-03	1	UI			GP							pCi/L
Cesium-137	1.2E+00	1	UI			GP							pCi/L
Cobalt-60	3.9E-01	1	UI			GP							pCi/L
Curium-242	3.0E-02	1	UI			GP							pCi/L
Curium-243/244	2.9E-02	1	UI			GP							pCi/L
Curium-245/246	-1.4E-02	1	UI			GP							pCi/L
Gross alpha	9.9E-01	1				GP	1.6E+00	1				GP	pCi/L
Iodine-129	1.2E-01	1	UJI			GP							pCi/L
Nonvolatile beta	1.5E+00	1				GP	1.9E+00	1				GP	pCi/L
Plutonium-238	-3.9E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.9E-02	1	UI			GP							pCi/L
Radium-226	7.5E-01	1				GP							pCi/L
Radium-228	-2.7E+00	1	UI			GP							pCi/L
Strontium-90	2.1E-01	1	UI			GP							pCi/L
Technetium-99	-2.5E+01	1	UI			GP							pCi/L
Thorium-228	2.5E-02	1	UI			GP							pCi/L
Thorium-230	1.3E-01	1				GP							pCi/L
Thorium-232	0.0E+00	1	UI			GP							pCi/L
Total alpha emitters	1.3E-01												pCi/L
Total beta emitters													
Tritium	2.9E+01	1		■		GP	1.2E+01	1				GP	pCi/mL
Uranium-233/234	3.0E-02	1	UI			GP							pCi/L
Uranium-235	0.0E+00	1	UI			GP							pCi/L
Uranium-238	3.8E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 97A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N75171.2 E49965.7	33.273554 °N 81.681247 °W	95.8-85.8 ft msl	286.1 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/19/96	10/04/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	152.1	151.9	ft msl
pH	7.0	7.0	pH
Sp. conductance	200	200	µS/cm
Water temperature	22.0	24.0	°C
Alkalinity as CaCO ₃	66	67	mg/L
Turbidity	4	1	NTU
Volumes purged	2.7	2.5	well volumes
Sampling code			
Synchronous water level	152.0 (09/18/96)	151.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	2.1	1	J			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	36	1				GE							µg/L
Cadmium, total recoverable	0.44	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable	4.9	1				GE							µg/L
Cobalt, total recoverable	<4.0	1				GE							µg/L
Copper, total recoverable	5.3	1	V			GE							µg/L
Cyanide	<10	1	JY1		●	GE							µg/L
Lead, total recoverable	2.2	1	J			GE	1.6	1	J			GE	µg/L
Mercury, total recoverable	0.050	1	J			GE							µg/L
Nickel, total recoverable	<2.2	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	7,800	5	VY			GE	7,700	25				WA	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	1.4	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1	Y			GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1	Y			GE							µg/L
Dichloromethane	2.4	1	JY			GE							µg/L
Phenols													
Tetrachloroethylene	<2.0	1	Y			GE							µg/L
Trichloroethylene	<2.0	1	Y			GE							µg/L
Trichlorofluoromethane	<2.0	1	Y			GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 97A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	5.0E-02	1	UI			GP							pCi/L
Cesium-137	-3.6E-01	1	UI			GP							pCi/L
Cobalt-60	-4.8E-01	1	UI			GP							pCi/L
Curium-242	4.8E-02	1	UI			GP							pCi/L
Curium-243/244	4.3E-02	1	UI			GP							pCi/L
Curium-245/246	-3.2E-03	1	UI			GP							pCi/L
Gross alpha	1.3E+00	1				GP	3.1E+00	1				TM	pCi/L
Iodine-129	0.0E+00	1	UI			GP							pCi/L
Nonvolatile beta	1.9E+00	1				GP	4.7E+00	1				TM	pCi/L
Plutonium-238	-9.1E-03	1	UI			GP							pCi/L
Plutonium-239/240	-3.1E-03	1	UI			GP							pCi/L
Radium-226	1.2E+00	1				GP							pCi/L
Radium-228	3.2E-02	1	UI			GP							pCi/L
Strontium-90	2.9E-01	1	UI			GP							pCi/L
Technetium-99	2.1E+01	1				GP							pCi/L
Thorium-228	1.6E-02	1	UI			GP							pCi/L
Thorium-230	8.3E-02	1	UI			GP							pCi/L
Thorium-232	4.0E-02	1	UI			GP							pCi/L
Total alpha emitters	2.2E-01												pCi/L
Total beta emitters	2.1E+01												pCi/L
Tritium	1.8E+02	1	V	■		GP	2.1E+02	1		■		TM	pCi/mL
Uranium-233/234	2.2E-01	1				GP							pCi/L
Uranium-235	2.0E-02	1	UI			GP							pCi/L
Uranium-238	9.0E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 97C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75179.6 E49970.6	33.273580 °N 81.681250 °W	153.8-143.8 ft msl	286.1 ft msl	4" PVC	V	Barnwell (IIB1)

SAMPLE DATE	08/07/96	10/08/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	207.8	207.5	ft msl
pH	3.4	3.6	pH
Sp. conductance	460	1040	µS/cm
Water temperature	26.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	9	4	NTU
Volumes purged	0.0	0.024	well volumes
Sampling code	X	X	
Synchronous water level	207.7 (09/18/96)	207.2 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	2.2	1	J			GE							µg/L
Barium, total recoverable	670	1				GE							µg/L
Cadmium, total recoverable	3.7	1				GE	6.0	1		■		GE	µg/L
Chromium, total recoverable	4.5	1				GE							µg/L
Cobalt, total recoverable	27	1				GE							µg/L
Copper, total recoverable	39	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	28	1		■		GE	10	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	20	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	89,000	50	JV	■		GE	29,000	100		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	1.5	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	1.1	1	J			GE							µg/L
Zinc, total recoverable	71	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols													
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 97C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.5E+01	1				GP							pCi/L
Cesium-137	5.8E+00	1				GP							pCi/L
Cobalt-60	2.4E+00	1	UI			GP							pCi/L
Curium-242	6.9E-02	1	UI			GP							pCi/L
Curium-243/244	1.4E+01	1				GP							pCi/L
Curium-245/246	6.4E-01	1				GP							pCi/L
Gross alpha	6.3E+02	1		■		GP	5.7E+02	1		■		GP	pCi/L
Iodine-129	4.0E+01	1				GP							pCi/L
Nonvolatile beta	6.5E+02	1		■		GP	7.6E+02	1		■		GP	pCi/L
Plutonium-238	-7.2E-02	1	UI			GP							pCi/L
Plutonium-239/240	3.5E-02	1	UI			GP							pCi/L
Radium-226	1.2E+01	1		■		GP							pCi/L
Radium-228	1.8E+01	1		■		GP							pCi/L
Strontium-90	2.2E+02	1		■		GP							pCi/L
Technetium-99	2.3E+01	1				GP							pCi/L
Thorium-228	2.4E-01	1	UI			GP							pCi/L
Thorium-230	5.8E-01	1	UIV			GP							pCi/L
Thorium-232	5.5E-02	1	UI			GP							pCi/L
Total alpha emitters	3.0E+01			■									pCi/L
Total beta emitters	3.1E+02			■									pCi/L
Tritium	3.4E+03	1	J	■		GP	6.9E+03	1		■		GP	pCi/mL
Uranium-233/234	1.2E-01	1	UIV			GP							pCi/L
Uranium-235	2.1E-02	1	UI			GP							pCi/L
Uranium-238	3.1E-01	1	UIV			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 97D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75188.9 E49975.5	33.273609 °N 81.681255 °W	216.9-196.9 ft msl	286 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/01/96	10/08/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	210.2	210.1	ft msl
pH	3.8	3.6	pH
Sp. conductance	420	780	µS/cm
Water temperature	30.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	14	12	NTU
Volumes purged	0.11	0.12	well volumes
Sampling code	X	X	
Synchronous water level	210.1 (09/18/96)	209.6 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	620	1				GE							µg/L
Cadmium, total recoverable	4.1	1				GE	3.4	1				GE	µg/L
Chromium, total recoverable	5.1	1				GE							µg/L
Cobalt, total recoverable	23	1				GE							µg/L
Copper, total recoverable	43	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	37	1		■		GE	26	1		■		GE	µg/L
Mercury, total recoverable	0.13	1	J			GE							µg/L
Nickel, total recoverable	21	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	100,000	100	V	■		GE	87,000	50		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	3.6	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	4.4	1	J	■		GE							µg/L
Vanadium, total recoverable	0.97	1	J			GE							µg/L
Zinc, total recoverable	89	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols													
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 97D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.1E+01	1				GP							pCi/L
Cesium-137	4.3E+00	1				GP							pCi/L
Cobalt-60	6.5E-01	1	UI			GP							pCi/L
Curium-242	-5.1E-02	1	UI			GP							pCi/L
Curium-243/244	1.8E+01	1				GP							pCi/L
Curium-245/246	7.8E-01	1				GP							pCi/L
Gross alpha	6.9E+02	1		■		GP	6.2E+02	1		■		GP	pCi/L
Iodine-129	3.6E+01	1				GP							pCi/L
Nonvolatile beta	7.6E+02	1		■		GP	6.8E+02	1		■		GP	pCi/L
Plutonium-238	-8.4E-02	1	UI			GP							pCi/L
Plutonium-239/240	-7.2E-03	1	UI			GP							pCi/L
Radium-226	1.0E+01	1		■		GP							pCi/L
Radium-228	2.1E+01	1		■		GP							pCi/L
Strontium-90	2.0E+02	1	V	■		GP							pCi/L
Technetium-99	4.2E+01	1	J			GP							pCi/L
Thorium-228	3.2E-01	1	UI			GP							pCi/L
Thorium-230	9.3E-01	1	UI/V			GP							pCi/L
Thorium-232	8.8E-02	1	UI			GP							pCi/L
Total alpha emitters	7.9E+02			■									pCi/L
Total beta emitters	3.0E+02			■									pCi/L
Tritium	3.5E+03	1		■		GP	3.0E+03	1		■		GP	pCi/mL
Uranium-233/234	2.2E+02	1	V			GP							pCi/L
Uranium-235	2.4E+01	1				GP							pCi/L
Uranium-238	5.1E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 98AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75362.0 E50105.8	33.274204 °N 81.681249 °W	92.1-92.1 ft msl	284 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/21/96	10/11/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	151.4	151.4	ft msl
pH	6.6	6.6	pH
Sp. conductance	140	140	µS/cm
Water temperature	22.0	27.0	°C
Alkalinity as CaCO ₃	56	47	mg/L
Turbidity	2	0	NTU
Volumes purged	3.1	3.2	well volumes
Sampling code			
Synchronous water level	151.4 (09/18/96)	151.2 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	6.2	1		■		GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	33	1	V			GE							µg/L
Cadmium, total recoverable	0.72	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable	3.8	1	JV			GE							µg/L
Cobalt, total recoverable	2.8	1	J			WA							µg/L
Copper, total recoverable	8.2	1	J			WA							µg/L
Cyanide	<10	1	J			GE							µg/L
Lead, total recoverable	5.2	1	J			WA	<5.0	1				GE	µg/L
Mercury, total recoverable	0.10	1	J			GE							µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	3,000	5				WA	3,000	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	3.0	1				GE							µg/L
Thallium, total recoverable	6.0	1	J	■		WA							µg/L
Vanadium, total recoverable	2.4	1	J			WA							µg/L
Zinc, total recoverable	4.0	1	J			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<3.7	1	V			WA							µg/L
Dichloromethane	<1.3	1	V			WA							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	2.2	1	J			WA							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 98AR (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	8.9E-01	1	J1			TM							pCi/L
Cesium-137	-2.8E-01	1	UI			GP							pCi/L
Cobalt-60	1.9E-01	1	UI			TM							pCi/L
Curium-242	1.3E-02	1	UI			GP							pCi/L
Curium-243/244	-3.6E-02	1	UI			GP							pCi/L
Curium-245/246	-3.7E-03	1	UI			GP							pCi/L
Gross alpha	8.7E-01	1				GP	8.8E-01	1				GP	pCi/L
Iodine-129	-1.0E-01	1	UJI			GP							pCi/L
Nonvolatile beta	4.8E+00	1	V			TM	2.5E+00	1				GP	pCi/L
Plutonium-238	5.1E-03	1	UI			GP							pCi/L
Plutonium-239/240	0.0E+00	1	UI			GP							pCi/L
Radium-226	4.5E+00	1	J			GP							pCi/L
Radium-228	-2.5E-01	1	UI			GP							pCi/L
Strontium-90	1.0E-02	1	UI			TM							pCi/L
Technetium-99	1.8E+01	1	J1			TM							pCi/L
Thorium-228	-8.6E-03	1	UI			GP							pCi/L
Thorium-230	2.9E-01	1	J1			TM							pCi/L
Thorium-232	0.0E+00	1	UI			TM							pCi/L
Total alpha emitters	1.7E+00												pCi/L
Total beta emitters	1.8E+01												pCi/L
Tritium	4.3E+01	1		■		TM	4.2E+01	1		■		GP	pCi/mL
Uranium-233/234	2.5E-01	1				GP							pCi/L
Uranium-235	0.0E+00	1	UJI			TM							pCi/L
Uranium-238	2.6E-01	1	J1			TM							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 98C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75381.2 E50116.5	33.274264 °N 81.681258 °W	158.4-148.4 ft msl	284.5 ft msl	4" PVC	V	Barnwell (IIB1)

SAMPLE DATE 08/01/96

10/09/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	208.6	208.4	ft msl
pH	3.6	3.4	pH
Sp. conductance	600	860	µS/cm
Water temperature	23.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	0	NTU
Volumes purged	2.7	2.1	well volumes
Sampling code			
Synchronous water level	208.4 (09/18/96)	207.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	320	1				GE							µg/L
Cadmium, total recoverable	5.5	1		■		GE	4.1	1				GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	220	1		■		GE							µg/L
Copper, total recoverable	54	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.0	1	J			GE	<5.0	1				GE	µg/L
Mercury, total recoverable	0.29	1				GE							µg/L
Nickel, total recoverable	32	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	87,000	100	V	■		GE	78,000	100	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	3.3	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	7.8	1		■		GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	78	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	4.6	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 98C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.7E+01	1				GP							pCi/L
Cesium-137	-7.6E-01	1	UI			GP							pCi/L
Cobalt-60	-1.4E-02	1	UI			GP							pCi/L
Curium-242	-5.4E-03	1	UI			GP							pCi/L
Curium-243/244	1.3E+01	1				GP							pCi/L
Curium-245/246	6.9E-01	1				GP							pCi/L
Gross alpha	4.3E+02	1		■		GP	5.5E+02	1		■		GP	pCi/L
Iodine-129	4.2E+01	1				GP							pCi/L
Nonvolatile beta	6.8E+02	1		■		GP	6.1E+02	1		■		GP	pCi/L
Plutonium-238	4.3E-03	1	UI			GP							pCi/L
Plutonium-239/240	3.7E-01	1				GP							pCi/L
Radium-226	3.0E+01	1		■		GP							pCi/L
Radium-228	7.1E+00	1		■		GP							pCi/L
Strontium-90	1.5E+02	1	V	■		GP							pCi/L
Technetium-99	7.4E+01	1	J			GP							pCi/L
Thorium-228	1.0E-01	1	UI			GP							pCi/L
Thorium-230	3.6E-01	1	UIV			GP							pCi/L
Thorium-232	2.0E-02	1	UI			GP							pCi/L
Total alpha emitters	1.0E+03			■									pCi/L
Total beta emitters	2.7E+02			■									pCi/L
Tritium	4.1E+03	1		■		GP	3.7E+03	1		■		GP	pCi/mL
Uranium-233/234	3.8E+02	1	V			GP							pCi/L
Uranium-235	3.6E+01	1				GP							pCi/L
Uranium-238	6.0E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 98D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N75371.9 E50111.6	33.274235 °N 81.681253 °W	220.3-200.3 ft msl	284.5 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/01/96	10/09/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	211.3	210.9	ft msl
pH	3.2	3.6	pH
Sp. conductance	740	940	µS/cm
Water temperature	28.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	15	34	NTU
Volumes purged	0.14	0.14	well volumes
Sampling code	X	X	
Synchronous water level	211.1 (09/18/96)	210.7 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	420	1				GE							µg/L
Cadmium, total recoverable	13	1		■		GE	12	1		■		GE	µg/L
Chromium, total recoverable	1.3	1	J			GE							µg/L
Cobalt, total recoverable	37	1				GE							µg/L
Copper, total recoverable	70	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	28	1		■		GE	30	1		■		GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	19	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	90,000	100	V	■		GE	90,000	50		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	2.3	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	0.44	1	J			GE							µg/L
Zinc, total recoverable	180	1				GE							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	6.6	1		■		GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 98D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.2E+01	1				GP							pCi/L
Cesium-137	1.0E+00	1	UI			GP							pCi/L
Cobalt-60	0.0E+00	1	UI			GP							pCi/L
Curium-242	2.7E-02	1	UI			GP							pCi/L
Curium-243/244	1.8E+01	1				GP							pCi/L
Curium-245/246	6.2E-01	1				GP							pCi/L
Gross alpha	4.9E+02	1		■		GP	3.7E+02	1		■		GP	pCi/L
Iodine-129	3.0E+01	1				GP							pCi/L
Nonvolatile beta	1.1E+03	1		■		GP	9.9E+02	1		■		GP	pCi/L
Plutonium-238	1.4E-01	1	UI			GP							pCi/L
Plutonium-239/240	7.9E-02	1	UI			GP							pCi/L
Radium-226	9.0E+00	1		■		GP							pCi/L
Radium-228	2.1E+01	1		■		GP							pCi/L
Strontium-90	4.6E+02	1	V	■		GP							pCi/L
Technetium-99	3.2E+01	1	J			GP							pCi/L
Thorium-228	3.5E-01	1	UI			GP							pCi/L
Thorium-230	1.4E+00	1	UIV			GP							pCi/L
Thorium-232	9.6E-02	1	UI			GP							pCi/L
Total alpha emitters	8.2E+02			■									pCi/L
Total beta emitters	5.4E+02			■									pCi/L
Tritium	3.2E+03	1		■		GP	2.7E+03	1		■		GP	pCi/mL
Uranium-233/234	2.2E+02	1	V			GP							pCi/L
Uranium-235	2.2E+01	1				GP							pCi/L
Uranium-238	5.4E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 99A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75675.6 E50314.8	33.275239 °N 81.681308 °W	102.9-92.9 ft msl	287.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	07/24/96	10/03/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	150.5	150.4	ft msl
pH	6.6	6.8	pH
Sp. conductance	320	160	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	55	49	mg/L
Turbidity	0	0	NTU
Volumes purged	5.3	0.98	well volumes
Sampling code			
Synchronous water level	150.5 (09/18/96)	150.3 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<2.8	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	28	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable	0.68	1	J			GE							µg/L
Cobalt, total recoverable	<4.0	1				GE							µg/L
Copper, total recoverable	<4.0	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.4	1	J			GE	<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	1.2	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	6,000	10	V			GE	6,000	5	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<4.3	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 99A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.2E-02	1	UI			GP							pCi/L
Cesium-137	5.3E-02	1	UI			GP							pCi/L
Cobalt-60	2.3E+00	1	UI			GP							pCi/L
Curium-242	-1.5E-02	1	UI			GP							pCi/L
Curium-243/244	8.3E-02	1	UI			GP							pCi/L
Curium-245/246	-6.7E-03	1	UI			GP							pCi/L
Gross alpha	1.5E+00	1				GP	1.2E+00	1	J			GP	pCi/L
Iodine-129	5.9E-01	1	UI			GP							pCi/L
Nonvolatile beta	2.0E+00	1				GP	1.6E+00	1				GP	pCi/L
Plutonium-238	-1.5E-01	1	UI			GP							pCi/L
Plutonium-239/240	6.6E-02	1	UI			GP							pCi/L
Radium-226	4.2E-01	1	UI			GP							pCi/L
Radium-228	-1.2E-01	1	UI			GP							pCi/L
Strontium-90	-5.2E-01	1	UI			GP							pCi/L
Technetium-99	-1.1E+01	1	UI			GP							pCi/L
Thorium-228	1.4E-01	1	UI			GP							pCi/L
Thorium-230	9.6E-02	1	UI			GP							pCi/L
Thorium-232	5.9E-02	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters													
Tritium	1.9E+02	1		■		GP	1.7E+02	1		■		GP	pCi/mL
Uranium-233/234	-5.0E-03	1	UI			GP							pCi/L
Uranium-235	-5.0E-03	1	UI			GP							pCi/L
Uranium-238	2.8E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 99C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N75683.7 E50320.6	33.275266 °N 81.681308 °W	167.2-157.2 ft msl	287.7 ft msl	4" PVC	S	Barnwell (IIB1)

<u>SAMPLE DATE</u>	07/24/96	10/03/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	209.1	209.0	ft msl
pH	6.0	5.2	pH
Sp. conductance	380	210	µS/cm
Water temperature	25.0	24.0	°C
Alkalinity as CaCO ₃	1	8	mg/L
Turbidity	1	0	NTU
Volumes purged	4.4	3.0	well volumes
Sampling code			
Synchronous water level	209.1 (09/18/96)	208.6 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	<1.8	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	53	1	V			GE							µg/L
Cadmium, total recoverable	1.6	1	J			GE	1.7	1	J			GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	4.3	1				GE							µg/L
Copper, total recoverable	0.58	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.1	1	J			GE	1.6	1	J			GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	2.4	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	28,000	20	V	■		GE	23,000	20	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	0.32	1	J			GE							µg/L
Zinc, total recoverable	20	1	V			GE							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	42	1		■		GE							µg/L
Trichlorofluoromethane	5.3	1		■		GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 99C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	Unit	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.2E-02	1	UI			GP	pCi/L							
Cesium-137	8.2E-01	1	UI			GP	pCi/L							
Cobalt-60	1.2E+00	1	UI			GP	pCi/L							
Curium-242	2.0E-02	1	UI			GP	pCi/L							
Curium-243/244	-5.7E-02	1	UI			GP	pCi/L							
Curium-245/246	-1.1E-02	1	UI			GP	pCi/L							
Gross alpha	2.4E+01	1		■		GP	pCi/L	2.6E+01	1	J	■		GP	pCi/L
Iodine-129	8.0E+00	1				GP	pCi/L							
Nonvolatile beta	7.4E+01	1		■		GP	pCi/L	7.0E+01	1		■		GP	pCi/L
Plutonium-238	-7.1E-02	1	UI			GP	pCi/L							
Plutonium-239/240	5.9E-02	1	UI			GP	pCi/L							
Radium-226	8.1E-01	1	UIV			GP	pCi/L							
Radium-228	1.1E+00	1	UI			GP	pCi/L							
Strontium-90	2.7E+01	1		■		GP	pCi/L							
Technetium-99	2.2E+01	1	UI			GP	pCi/L							
Thorium-228	1.1E-01	1	UI			GP	pCi/L							
Thorium-230	1.7E-01	1				GP	pCi/L							
Thorium-232	2.5E-02	1	UI			GP	pCi/L							
Total alpha emitters	1.1E+01						pCi/L							
Total beta emitters	3.5E+01						pCi/L							
Tritium	1.1E+03	1		■		GP	pCi/mL	8.9E+02	1		■		GP	pCi/mL
Uranium-233/234	4.9E+00	1				GP	pCi/L							
Uranium-235	2.8E-01	1				GP	pCi/L							
Uranium-238	5.3E+00	1				GP	pCi/L							

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 99D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
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 (IIB2)

SAMPLE DATE	07/24/96	10/03/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	212.5	212.3	ft msl
pH	5.6	4.6	pH
Sp. conductance	180	34	µS/cm
Water temperature	27.0	25.0	°C
Alkalinity as CaCO ₃	5	0	mg/L
Turbidity	1	2	NTU
Volumes purged	7.0	4.7	well volumes
Sampling code			
Synchronous water level	212.3 (09/18/96)	211.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	<1.5	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	7.4	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	0.11	1	J			GE	µg/L
Chromium, total recoverable	0.63	1	J			GE							µg/L
Cobalt, total recoverable	0.41	1	J			GE							µg/L
Copper, total recoverable	7.1	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	5.4	1				GE	6.4	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,900	2	V			GE	2,000	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	0.36	1	J			GE							µg/L
Zinc, total recoverable	<13	1	V			GE							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB 99D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.8E-01	1	UI			GP							pCi/L
Cesium-137	1.8E+00	1	UI			GP							pCi/L
Cobalt-60	8.3E-02	1	UI			GP							pCi/L
Curium-242	3.1E-02	1	UI			GP							pCi/L
Curium-243/244	1.0E-01	1	UI			GP							pCi/L
Curium-245/246	2.9E-02	1	UI			GP							pCi/L
Gross alpha	1.6E+01	1		■		GP	1.3E+01	1	J			GP	pCi/L
Iodine-129	-2.7E-01	1	UI			GP							pCi/L
Nonvolatile beta	1.6E+01	1				GP	1.2E+01	1				GP	pCi/L
Plutonium-238	4.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.5E-02	1	UI			GP							pCi/L
Radium-226	8.4E-01	1	UIV			GP							pCi/L
Radium-228	-1.4E-01	1	UI			GP							pCi/L
Strontium-90	5.5E+00	1				GP							pCi/L
Technetium-99	-4.2E+00	1	UI			GP							pCi/L
Thorium-228	7.8E-02	1	UI			GP							pCi/L
Thorium-230	5.1E-02	1	UI			GP							pCi/L
Thorium-232	-6.4E-03	1	UI			GP							pCi/L
Total alpha emitters	1.2E+01												pCi/L
Total beta emitters	5.5E+00												pCi/L
Tritium	1.7E+01	1				GP	1.6E+01	1				GP	pCi/mL
Uranium-233/234	3.4E+00	1				GP							pCi/L
Uranium-235	2.8E-01	1				GP							pCi/L
Uranium-238	8.7E+00	1				GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB100A

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

SAMPLE DATE	07/24/96	10/14/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	151.4	151.3	ft msl
pH	6.0	6.6	pH
Sp. conductance	300	160	µS/cm
Water temperature	25.0	27.0	°C
Alkalinity as CaCO ₃	58	43	mg/L
Turbidity	0	2	NTU
Volumes purged	3.4	2.7	well volumes
Sampling code			
Synchronous water level	151.4 (09/18/96)	151.4 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.1	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	41	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable	0.74	1	J			GE							µg/L
Cobalt, total recoverable	<4.0	1				GE							µg/L
Copper, total recoverable	11	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	1.7	1	J			GE	<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	4,700	10	V			GE	5,000	4	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<14	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB100A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.2E-01	1	UI			GP							pCi/L
Cesium-137	-4.9E-02	1	UI			GP							pCi/L
Cobalt-60	1.7E-01	1	UI			GP							pCi/L
Curium-242	5.6E-02	1	UI			GP							pCi/L
Curium-243/244	-6.1E-02	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	3.2E+00	1				GP	1.6E+00	1				GP	pCi/L
Iodine-129	0.0E+00	1	UI			GP							pCi/L
Nonvolatile beta	2.8E+00	1				GP	5.6E+00	1				TM	pCi/L
Plutonium-238	-1.4E-02	1	UI			GP							pCi/L
Plutonium-239/240	-8.2E-03	1	UI			GP							pCi/L
Radium-226	7.6E-01	1	UIV			GP							pCi/L
Radium-228	1.5E-01	1	UI			GP							pCi/L
Strontium-90	1.2E+00	1				GP							pCi/L
Technetium-99	1.6E+00	1	UI			GP							pCi/L
Thorium-228	4.8E-02	1	UI			GP							pCi/L
Thorium-230	3.4E-01	1				GP							pCi/L
Thorium-232	1.6E-02	1	UI			GP							pCi/L
Total alpha emitters	6.4E-01												pCi/L
Total beta emitters	1.2E+00												pCi/L
Tritium	9.8E+01	1		■		GP	9.4E+01	1		■		TM	pCi/mL
Uranium-233/234	3.0E-01	1				GP							pCi/L
Uranium-235	1.4E-02	1	UI			GP							pCi/L
Uranium-238	7.9E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB101A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N75719.0 E51191.3	33.276765 °N 81.679085 °W	102.9-92.9 ft msl	285.2 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 07/24/96

10/14/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	151.8	151.5	ft msl
pH	7.2	7.0	pH
Sp. conductance	320	140	µS/cm
Water temperature	26.0	28.0	°C
Alkalinity as CaCO ₃	44	34	mg/L
Turbidity	0	1	NTU
Volumes purged	6.7	2.7	well volumes
Sampling code			
Synchronous water level	151.7 (09/18/96)	150.4 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	<1.4	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	28	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable	1.4	1	J			GE							µg/L
Cobalt, total recoverable	<4.0	1				GE							µg/L
Copper, total recoverable	<4.0	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	1.4	1	J			GE	<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,200	2	V			GE	1,900	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB101A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.6E-02	1	UI			GP							pCi/L
Cesium-137	8.8E-01	1	UI			GP							pCi/L
Cobalt-60	-4.5E-02	1	UI			GP							pCi/L
Curium-242	1.3E-02	1	UI			GP							pCi/L
Curium-243/244	5.4E-03	1	UI			GP							pCi/L
Curium-245/246	-9.5E-03	1	UI			GP							pCi/L
Gross alpha	5.4E-01	1	UI			GP	9.1E-01	1				GP	pCi/L
Iodine-129	1.3E-01	1	UI			GP							pCi/L
Nonvolatile beta	2.2E+00	1				GP	5.0E+00	1				TM	pCi/L
Plutonium-238	3.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	-3.9E-03	1	UI			GP							pCi/L
Radium-226	6.7E-01	1	UIV			GP							pCi/L
Radium-228	-6.1E-01	1	UI			GP							pCi/L
Strontium-90	-4.3E-02	1	UI			GP							pCi/L
Technetium-99	4.3E+00	1	UI			GP							pCi/L
Thorium-228	5.9E-02	1	UI			GP							pCi/L
Thorium-230	1.9E-01	1				GP							pCi/L
Thorium-232	1.2E-02	1	UI			GP							pCi/L
Total alpha emitters	1.9E-01												pCi/L
Total beta emitters													
Tritium	6.2E-01	1				GP	7.5E-01	1	J1			TM	pCi/mL
Uranium-233/234	-4.2E-03	1	UI			GP							pCi/L
Uranium-235	1.5E-02	1	UI			GP							pCi/L
Uranium-238	1.0E-01	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB102C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73582.9 E50834.8	33.271459 °N 81.675873 °W	155.9-145.9 ft msl	201.1 ft msl	4" PVC	V	Bamwell (IIB1)

SAMPLE DATE	08/07/96	10/07/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation.	195.2	195.0	ft msl
pH	5.2	4.6	pH
Sp. conductance	260	240	µS/cm
Water temperature	21.0	23.0	°C
Alkalinity as CaCO ₃	0	1	mg/L
Turbidity	1	0	NTU
Volumes purged	2.2	2.5	well volumes
Sampling code			
Synchronous water level	195.2 (09/17/96)	194.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	3.7	1				GE	3.3	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	26,000	50	V	■		GE	13,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB102C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	6.9E+00	1				GP	1.2E+01	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	3.0E+02	1		■		GP	2.9E+02	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	6.5E+02	1		■		GP	5.9E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB103C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74210.0 E49651.3	33.270915 °N 81.680207 °W	157.1-147.1 ft msl	242.4 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/24/96	10/15/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	202.1	202.0	ft msl
pH	6.6	5.8	pH
Sp. conductance	260	240	µS/cm
Water temperature	29.0	24.0	°C
Alkalinity as CaCO ₃	8	9	mg/L
Turbidity	1	2	NTU
Volumes purged	2.5	2.4	well volumes
Sampling code			
Synchronous water level	202.3 (09/18/96)	201.8 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<2.9	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	35	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	0.45	1	J			GE	µg/L
Chromium, total recoverable	1.2	1	J			GE							µg/L
Cobalt, total recoverable	0.25	1	J			GE							µg/L
Copper, total recoverable	1.5	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.2	1	J			GE	2.4	1	J			GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	4.1	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	26,000	20	V	■		GE	26,000	20	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	0.39	1	J			GE							µg/L
Zinc, total recoverable	42	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB103C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.4E-01	1	UI			GP	pCi/L
Cesium-137	9.2E-02	1	UI			GP	pCi/L
Cobalt-60	4.2E-01	1	UI			GP	pCi/L
Curium-242	3.0E-02	1	UI			GP	pCi/L
Curium-243/244	-2.0E-02	1	UI			GP	pCi/L
Curium-245/246	-5.3E-03	1	UI			GP	pCi/L
Gross alpha	5.0E-01	1	UI			GP	pCi/L
Iodine-129	0.0E+00	1	UI			GP	pCi/L
Nonvolatile beta	1.7E+01	1				GP	pCi/L
Plutonium-238	4.3E-02	1	UI			GP	pCi/L
Plutonium-239/240	-3.9E-03	1	UI			GP	pCi/L
Radium-226	8.4E-01	1	UIV			GP	pCi/L
Radium-228	-3.6E-01	1	UI			GP	pCi/L
Strontium-90	7.3E-02	1	UI			GP	pCi/L
Technetium-99	4.3E+01	1				GP	pCi/L
Thorium-228	3.9E-02	1	UI			GP	pCi/L
Thorium-230	2.3E-01	1				GP	pCi/L
Thorium-232	3.8E-02	1	UI			GP	pCi/L
Total alpha emitters	2.3E-01						pCi/L
Total beta emitters	4.3E+01						pCi/L
Tritium	6.0E+02	1		■		GP	pCi/mL
Uranium-233/234	2.6E-03	1	UI			GP	pCi/L
Uranium-235	9.8E-03	1	UI			GP	pCi/L
Uranium-238	-2.0E-03	1	UI			GP	pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB104C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73872.6 E49248.6	33.269511 °N 81.680612 °W	160.7-150.7 ft msl	219.1 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/06/96	10/04/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	200.9	200.5	ft msl
pH	4.6	5.0	pH
Sp. conductance	340	400	µS/cm
Water temperature	26.0	23.0	°C
Alkalinity as CaCO ₃	2	2	mg/L
Turbidity	1	1	NTU
Volumes purged	2.7	2.8	well volumes
Sampling code			
Synchronous water level	203.7 (09/18/96)	200.2 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	1.2	1	J			WA	0.82	1	J			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	1.7	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	53,000	100		■		WA	45,000	50		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB104C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.0E+00	1				GP	2.0E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	5.9E+01	1		■		TM	3.5E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.1E+03	1		■		GP	1.1E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB104D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
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 (IIB2)

SAMPLE DATE	08/06/96	10/09/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	204.5	204.1	ft msl
pH	4.4	3.4	pH
Sp. conductance	960	720	µS/cm
Water temperature	23.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	2	0	NTU
Volumes purged	2.5	2.4	well volumes
Sampling code			
Synchronous water level	204.5 (09/18/96)	203.7 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	3.5	1	J			GE							µg/L
Barium, total recoverable	270	1				GE							µg/L
Cadmium, total recoverable	7.0	1		■		GE	5.8	1		■		GE	µg/L
Chromium, total recoverable	1.3	1	J			GE							µg/L
Cobalt, total recoverable	59	1				GE							µg/L
Copper, total recoverable	57	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	140	1		■		GE	µg/L
Mercury, total recoverable	0.15	1	J			GE							µg/L
Nickel, total recoverable	26	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	120,000	100	V	■		GE	51,000	100	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	0.50	1	J			GE							µg/L
Zinc, total recoverable	64	1				GE							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<1.9	1	V			GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB104D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	7.8E+00	1				GP							pCi/L
Cesium-137	2.0E+00	1	UI			GP							pCi/L
Cobalt-60	1.2E+00	1	UI			GP							pCi/L
Curium-242	-8.1E-03	1	UI			GP							pCi/L
Curium-243/244	5.7E+00	1				GP							pCi/L
Curium-245/246	2.3E-01	1				GP							pCi/L
Gross alpha	3.8E+02	1		■		GP	6.1E+02	1		■		GP	pCi/L
Iodine-129	3.0E+01	1				GP							pCi/L
Nonvolatile beta	5.2E+02	1		■		GP	7.7E+02	1		■		GP	pCi/L
Plutonium-238	2.5E-02	1	UI			GP							pCi/L
Plutonium-239/240	7.6E-02	1	UI			GP							pCi/L
Radium-226	3.4E+01	1		■		GP							pCi/L
Radium-228	1.9E+01	1		■		GP							pCi/L
Strontium-90	4.2E+02	1	V	■		GP							pCi/L
Technetium-99	5.0E+01	1	J			GP							pCi/L
Thorium-228	1.5E-02	1	UI			GP							pCi/L
Thorium-230	2.0E-01	1	UIV			GP							pCi/L
Thorium-232	-1.5E-02	1	UI			GP							pCi/L
Total alpha emitters	3.6E+02			■									pCi/L
Total beta emitters	5.2E+02			■									pCi/L
Tritium	6.0E+03	1	J	■		GP	5.0E+03	1		■		GP	pCi/mL
Uranium-233/234	1.5E+02	1	V			GP							pCi/L
Uranium-235	1.5E+01	1				GP							pCi/L
Uranium-238	1.8E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB105C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75234.2 E49828.0	33.273468 °N 81.681732 °W	151.5-141.5 ft msl	285.8 ft msl	4" PVC	V	Barnwell (IIB1)

SAMPLE DATE	08/23/96	10/04/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	207.1	206.7	ft msl
pH	3.6	3.4	pH
Sp. conductance	1060	1060	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	0	NTU
Volumes purged	2.1	2.2	well volumes
Sampling code			
Synchronous water level	207.0 (09/18/96)	206.7 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	3.0	1	J			GE							µg/L
Barium, total recoverable	450	1				GE							µg/L
Cadmium, total recoverable	13	1		■		GE	13	1		■		GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	280	1		■		GE							µg/L
Copper, total recoverable	110	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	6.9	1				GE	20	1		■		GE	µg/L
Mercury, total recoverable	0.29	1				GE							µg/L
Nickel, total recoverable	55	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	120,000	50	V	■		GE	200,000	100		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<8.5	1	V			GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	130	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	7.1	1		■		GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	8.2	1		■		GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB105C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.1E+01	1				GP							pCi/L
Cesium-137	5.4E-01	1	UI			GP							pCi/L
Cobalt-60	2.4E+00	1	UI			GP							pCi/L
Curium-242	1.1E-01	1	UI			GP							pCi/L
Curium-243/244	1.5E+01	1				GP							pCi/L
Curium-245/246	-1.2E-01	1	UI			GP							pCi/L
Gross alpha	6.6E+02	1		■		GP	9.2E+02	1		■		GP	pCi/L
Iodine-129	6.0E+01	1				GP							pCi/L
Nonvolatile beta	1.0E+03	1		■		GP	1.3E+03	1	V	■		TM	pCi/L
Plutonium-238	1.4E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.4E-02	1	UI			GP							pCi/L
Radium-226	7.9E+01	1		■		GP							pCi/L
Radium-228	2.9E+01	1		■		GP							pCi/L
Strontium-90	3.9E+02	1		■		GP							pCi/L
Technetium-99	1.1E+02	1				GP							pCi/L
Thorium-228	5.7E-01	1				GP							pCi/L
Thorium-230	3.9E-01	1	UIV			GP							pCi/L
Thorium-232	1.5E-02	1	UI			GP							pCi/L
Total alpha emitters	3.7E+01			■									pCi/L
Total beta emitters	5.9E+02			■									pCi/L
Tritium	8.2E+03	1		■		GP	8.9E+03	1	J	■		TM	pCi/mL
Uranium-233/234	0.0E+00	1	UI			GP							pCi/L
Uranium-235	-7.5E-03	1	UI			GP							pCi/L
Uranium-238	2.5E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB105DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	08/07/96	10/04/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	210.0	209.8	ft msl
pH	4.0	3.6	pH
Sp. conductance	160	170	µS/cm
Water temperature	25.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	6	0	NTU
Volumes purged	2.4	4.3	well volumes
Sampling code			
Synchronous water level	209.9 (09/18/96)	209.5 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	160	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable	0.98	1	J			GE							µg/L
Cobalt, total recoverable	13	1				GE							µg/L
Copper, total recoverable	21	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable	0.038	1	J			GE							µg/L
Nickel, total recoverable	4.6	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	16,000	10	V	■		GE	12,000	10		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	1.6	1	J			GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB105DR (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.2E+00	1				GP							pCi/L
Cesium-137	-2.2E+00	1	UI			GP							pCi/L
Cobalt-60	-3.6E-01	1	UI			GP							pCi/L
Curium-242	-3.6E-02	1	UI			GP							pCi/L
Curium-243/244	1.9E+00	1				GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	1.8E+02	1		■		GP	3.6E+02	1		■		GP	pCi/L
Iodine-129	1.2E+01	1				GP							pCi/L
Nonvolatile beta	2.3E+02	1		■		GP	2.3E+02	1		■		GP	pCi/L
Plutonium-238	9.5E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.7E-02	1	UI			GP							pCi/L
Radium-226	6.9E+00	1		■		GP							pCi/L
Radium-228	1.5E+01	1		■		GP							pCi/L
Strontium-90	1.6E+01	1		■		GP							pCi/L
Technetium-99	-9.9E+00	1	UI			GP							pCi/L
Thorium-228	2.7E-01	1	UI			GP							pCi/L
Thorium-230	1.9E-01	1	UIV			GP							pCi/L
Thorium-232	2.8E-02	1	UI			GP							pCi/L
Total alpha emitters	4.3E+00												pCi/L
Total beta emitters	4.3E+01												pCi/L
Tritium	2.5E+02	1		■		GP	1.0E+02	1		■		GP	pCi/mL
Uranium-233/234	3.9E-02	1	UI			GP							pCi/L
Uranium-235	0.0E+00	1	UI			GP							pCi/L
Uranium-238	1.8E-01	1				GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB106C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74190.1 E50651.3	33.272503 °N 81.677536 °W	166.0-156.0 ft msl	235.1 ft msl	4" PVC	V	Barnwell (IIB1)

SAMPLE DATE	08/06/96	10/09/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	200.9	200.7	ft msl
pH	6.0	5.8	pH
Sp. conductance	600	580	µS/cm
Water temperature	21.0	25.0	°C
Alkalinity as CaCO ₃	12	18	mg/L
Turbidity	3	4	NTU
Volumes purged	3.6	2.4	well volumes
Sampling code			
Synchronous water level	200.8 (09/17/96)	200.5 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	11	1		■		GE	7.8	1		■		GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	3.1	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	72,000	50	V	■		GE	71,000	50		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB106C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.4E+01	1		■		GP	5.3E+01	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta	6.9E+02	1		■		GP	8.0E+02	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.6E+03	1	J	■		GP	1.4E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB107C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75184.0 E51158.1	33.275528 °N 81.678133 °W	160.8-150.8 ft msl	270.9 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/24/96	10/04/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	209.6	209.8	ft msl
pH	6.2	6.4	pH
Sp. conductance	120	160	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	74	43	mg/L
Turbidity	5	4	NTU
Volumes purged	2.6	2.9	well volumes
Sampling code			
Synchronous water level	210.0 (09/18/96)	209.6 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	33	1	V			GE							µg/L
Cadmium, total recoverable	0.33	1	J			GE	0.32	1	J			GE	µg/L
Chromium, total recoverable	2.1	1	J			GE							µg/L
Cobalt, total recoverable	0.72	1	J			GE							µg/L
Copper, total recoverable	1.4	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	3.0	1	J			GE	2.0	1	J			GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	2.5	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	8,100	10	V			GE	7,300	10				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	0.70	1	J			GE							µg/L
Zinc, total recoverable	28	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	1.6	1	J			GE							µg/L
Trichlorofluoromethane	20	1		■		GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB107C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.1E-01	1	UI			GP							pCi/L
Cesium-137	-2.6E+00	1	UI			GP							pCi/L
Cobalt-60	4.4E-01	1	UI			GP							pCi/L
Curium-242	1.1E-01	1	UI			GP							pCi/L
Curium-243/244	9.9E-02	1	UI			GP							pCi/L
Curium-245/246	-1.6E-02	1	UI			GP							pCi/L
Gross alpha	2.0E+00	1				GP	2.3E+00	1				GP	pCi/L
Iodine-129	9.1E-01	1	UI			GP							pCi/L
Nonvolatile beta	3.6E+01	1				GP	4.0E+01	1				GP	pCi/L
Plutonium-238	1.2E-02	1	UI			GP							pCi/L
Plutonium-239/240	7.0E-02	1	UI			GP							pCi/L
Radium-226	5.5E-01	1	UIV			GP							pCi/L
Radium-228	8.7E-01	1	UI			GP							pCi/L
Strontium-90	1.9E+01	1		■		GP							pCi/L
Technetium-99	-5.2E+00	1	UI			GP							pCi/L
Thorium-228	2.6E-02	1	UI			GP							pCi/L
Thorium-230	8.2E-02	1	UI			GP							pCi/L
Thorium-232	5.8E-02	1	UI			GP							pCi/L
Total alpha emitters	1.8E-01												pCi/L
Total beta emitters	1.9E+01												pCi/L
Tritium	1.5E+02	1		■		GP	1.4E+02	1		■		GP	pCi/mL
Uranium-233/234	7.9E-02	1	UI			GP							pCi/L
Uranium-235	1.5E-02	1	UI			GP							pCi/L
Uranium-238	1.8E-01	1				GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB107D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75177.2 E51149.8	33.275499 °N 81.678141 °W	220.9-200.9 ft msl	271 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/07/96	10/09/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	213.3	213.1	ft msl
pH	4.4	3.6	pH
Sp. conductance	280	420	µS/cm
Water temperature	22.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	0	NTU
Volumes purged	2.5	3.8	well volumes
Sampling code			
Synchronous water level	213.2 (09/18/96)	212.7 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable	4.3	1	J			GE							µg/L
Barium, total recoverable	85	1				GE							µg/L
Cadmium, total recoverable	0.86	1	J			GE	1.6	1	J			GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	7.7	1				GE							µg/L
Copper, total recoverable	39	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	7.7	1				GE	µg/L
Mercury, total recoverable	8.4	1		■		GE							µg/L
Nickel, total recoverable	5.3	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	27,000	50	V	■		GE	41,000	50		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB107D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	6.2E+00	1				GP							pCi/L
Cesium-137	7.0E+00	1				GP							pCi/L
Cobalt-60	1.7E+00	1	UI			GP							pCi/L
Curium-242	-1.5E-02	1	UI			GP							pCi/L
Curium-243/244	2.6E+00	1				GP							pCi/L
Curium-245/246	5.2E-01	1				GP							pCi/L
Gross alpha	2.6E+02	1		■		GP	5.6E+02	1		■		GP	pCi/L
Iodine-129	8.4E+01	1				GP							pCi/L
Nonvolatile beta	4.5E+02	1		■		GP	6.6E+02	1		■		GP	pCi/L
Plutonium-238	-6.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.3E-02	1	UI			GP							pCi/L
Radium-226	1.1E+01	1		■		GP							pCi/L
Radium-228	8.4E+00	1		■		GP							pCi/L
Strontium-90	1.8E+02	1		■		GP							pCi/L
Technetium-99	1.6E+01	1	UI			GP							pCi/L
Thorium-228	3.2E-01	1	UI			GP							pCi/L
Thorium-230	1.0E+00	1	UIV			GP							pCi/L
Thorium-232	2.1E-01	1	UI			GP							pCi/L
Total alpha emitters	3.9E+02			■									pCi/L
Total beta emitters	2.8E+02			■									pCi/L
Tritium	9.2E+02	1		■		GP	1.4E+03	1		■		GP	pCi/mL
Uranium-233/234	1.6E+02	1				GP							pCi/L
Uranium-235	1.5E+01	1				GP							pCi/L
Uranium-238	2.0E+02	1				GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB108D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76260.7 E51142.3	33.277883 °N 81.680266 °W	223.8-203.8 ft msl	298 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/03/96	10/04/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	217.3	216.7	ft msl
pH	6.0	6.0	pH
Sp. conductance	38	34	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	4	2	mg/L
Turbidity	2	2	NTU
Volumes purged	0.23	0.24	well volumes
Sampling code	X	X	
Synchronous water level	216.9 (09/18/96)	216.4 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	0.37	1	J			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	16	1		■		GE	6.1	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,700	1				GE	1,600	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB108D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	9.5E-01	1				GP	1.8E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	1.1E+00	1	UI			GP	1.9E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.1E+01	1				GP	1.0E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB109D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/26/96	10/04/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	213.2	212.8	ft msl
pH	6.0	5.6	pH
Sp. conductance	44	42	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	14	6	mg/L
Turbidity	23	1	NTU
Volumes purged	7.9	3.9	well volumes
Sampling code			
Synchronous water level	212.9 (09/18/96)	212.5 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.3	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	8.6	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable	<4.7	1	V			GE							µg/L
Cobalt, total recoverable	<1.3	1	V			GE							µg/L
Copper, total recoverable	13	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	5.8	1				GE	6.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	3.6	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,700	1	V			GE	1,800	2				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<1.6	1	V			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<2.6	1	V			GE							µg/L
Zinc, total recoverable	220	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB109D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	3.5E-02	1	UI			GP							pCi/L
Cesium-137	2.1E+00	1	UI			GP							pCi/L
Cobalt-60	5.5E-01	1	UI			GP							pCi/L
Curium-242	-1.5E-02	1	UI			GP							pCi/L
Curium-243/244	-7.8E-03	1	UI			GP							pCi/L
Curium-245/246	2.6E-02	1	UI			GP							pCi/L
Gross alpha	6.0E-01	1				GP	6.6E-01	1				GP	pCi/L
Iodine-129	4.0E-01	1	UI			GP							pCi/L
Nonvolatile beta	2.1E+00	1				GP	2.0E+00	1				GP	pCi/L
Plutonium-238	-3.7E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.6E-02	1	UI			GP							pCi/L
Radium-226	4.4E-01	1	UI			GP							pCi/L
Radium-228	-8.7E-01	1	UI			GP							pCi/L
Strontium-90	3.0E-01	1	UI			GP							pCi/L
Technetium-99	4.2E+00	1	UI			GP							pCi/L
Thorium-228	3.2E-02	1	UI			GP							pCi/L
Thorium-230	1.5E-01	1				GP							pCi/L
Thorium-232	3.3E-02	1	UI			GP							pCi/L
Total alpha emitters	1.5E-01												pCi/L
Total beta emitters													
Tritium	1.8E+01	1				GP	1.9E+01	1				GP	pCi/mL
Uranium-233/234	3.6E-02	1	UI			GP							pCi/L
Uranium-235	5.0E-02	1	UI			GP							pCi/L
Uranium-238	2.0E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB110C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74190.7 E50150.6	33.271687 °N 81.678855 °W	147.2-137.2 ft msl	234.5 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/26/96	10/04/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	200.1	200.1	ft msl
pH	5.8	5.2	pH
Sp. conductance	500	560	µS/cm
Water temperature	27.0	26.0	°C
Alkalinity as CaCO ₃	17	9	mg/L
Turbidity	1	0	NTU
Volumes purged	2.7	2.8	well volumes
Sampling code			
Synchronous water level	210.2 (09/18/96)	199.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<2.3	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	110	1	V			GE							µg/L
Cadmium, total recoverable	1.3	1	J			GE	2.7	1				GE	µg/L
Chromium, total recoverable	<2.2	1	V			GE							µg/L
Cobalt, total recoverable	<1.8	1	V			GE							µg/L
Copper, total recoverable	<4.1	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	3.2	1	J			GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	11	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	58,000	50	V	■		GE	38,000	50		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<0.99	1	V			GE							µg/L
Zinc, total recoverable	120	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB110C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.7E-02	1	UI			GP							pCi/L
Cesium-137	-6.2E-01	1	UI			GP							pCi/L
Cobalt-60	1.5E-02	1	UI			GP							pCi/L
Curium-242	-1.0E-01	1	UI			GP							pCi/L
Curium-243/244	-7.3E-02	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	6.6E+00	1				GP	8.9E+00	1				GP	pCi/L
Iodine-129	1.3E+01	1				GP							pCi/L
Nonvolatile beta	7.0E+01	1		■		GP	8.2E+01	1		■		GP	pCi/L
Plutonium-238	-2.2E-02	1	UI			GP							pCi/L
Plutonium-239/240	3.2E-02	1	UI			GP							pCi/L
Radium-226	1.5E+00	1				GP							pCi/L
Radium-228	1.2E+00	1				GP							pCi/L
Strontium-90	2.8E+01	1		■		GP							pCi/L
Technetium-99	1.1E+02	1				GP							pCi/L
Thorium-228	6.1E-02	1	UI			GP							pCi/L
Thorium-230	2.4E-01	1				GP							pCi/L
Thorium-232	9.6E-03	1	UI			GP							pCi/L
Total alpha emitters	2.4E-01			■									pCi/L
Total beta emitters	1.5E+02			■									pCi/L
Tritium	1.5E+03	1		■		GP	1.6E+03	1		■		GP	pCi/mL
Uranium-233/234	-1.1E-02	1	UI			GP							pCi/L
Uranium-235	-1.1E+00	1	UI			GP							pCi/L
Uranium-238	3.4E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB110D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74193.3 E50141.6	33.271678 °N 81.678884 °W	211.1-191.1 ft msl	234.5 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/06/96	10/09/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	204.9	204.8	ft msl
pH	4.0	3.2	pH
Sp. conductance	1400	1040	µS/cm
Water temperature	26.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	2	0	NTU
Volumes purged	3.5	2.3	well volumes
Sampling code			
Synchronous water level	205.0 (09/18/96)	204.5 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	150	1				GE							µg/L
Cadmium, total recoverable	10	1		■		GE	7.2	1		■		GE	µg/L
Chromium, total recoverable	5.3	1				GE							µg/L
Cobalt, total recoverable	19	1				GE							µg/L
Copper, total recoverable	74	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.0	1	J			GE	2.6	1	J			GE	µg/L
Mercury, total recoverable	0.082	1	J			GE							µg/L
Nickel, total recoverable	31	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	170,000	100	V	■		GE	150,000	100	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	2.4	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	6.8	1		■		GE							µg/L
Vanadium, total recoverable	1.4	1	J			GE							µg/L
Zinc, total recoverable	120	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<1.0	1	V			GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	1.7	1	J			GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB110D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.6E+01	1				GP							pCi/L
Cesium-137	2.6E-01	1	UI			GP							pCi/L
Cobalt-60	1.3E+00	1	UI			GP							pCi/L
Curium-242	-5.1E-02	1	UI			GP							pCi/L
Curium-243/244	4.7E+01	1				GP							pCi/L
Curium-245/246	1.0E+00	1				GP							pCi/L
Gross alpha	5.7E+02	1		■		GP	8.5E+02	1		■		GP	pCi/L
Iodine-129	3.2E+02	1				GP							pCi/L
Nonvolatile beta	1.0E+03	1		■		GP	1.1E+03	1		■		GP	pCi/L
Plutonium-238	6.4E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.3E-01	1	UI			GP							pCi/L
Radium-226	9.4E+00	1		■		GP							pCi/L
Radium-228	2.3E+01	1		■		GP							pCi/L
Strontium-90	1.4E+02	1	V	■		GP							pCi/L
Technetium-99	1.0E+02	1	J			GP							pCi/L
Thorium-228	7.8E-01	1				GP							pCi/L
Thorium-230	7.2E-01	1	UIV			GP							pCi/L
Thorium-232	3.8E-02	1	UI			GP							pCi/L
Total alpha emitters	1.2E+03			■									pCi/L
Total beta emitters	5.9E+02			■									pCi/L
Tritium	8.2E+03	1	J	■		GP	6.4E+03	1		■		GP	pCi/mL
Uranium-233/234	2.4E+02	1	V			GP							pCi/L
Uranium-235	2.9E+01	1				GP							pCi/L
Uranium-238	8.7E+02	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB111C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75383.3 E51526.3	33.276569 °N 81.677550 °W	169.0-159.0 ft msl	276.3 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/26/96	10/11/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	211.6	211.4	ft msl
pH	5.6	5.4	pH
Sp. conductance	52	54	µS/cm
Water temperature	25.0	26.0	°C
Alkalinity as CaCO ₃	12	8	mg/L
Turbidity	1	1	NTU
Volumes purged	2.9	2.9	well volumes
Sampling code			
Synchronous water level	212.6 (09/18/96)	211.1 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable							8.1	1				GE	µg/L
Cadmium, total recoverable	0.12	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	2.2	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable							1.3	1	J			GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,200	2	V			GE	1,900	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable							<2.0	1	J			GE	µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB111C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.8E-01	1	UI			GP	4.6E-01	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	3.5E-01	1	UI			GP	5.5E-01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	5.4E+00	1				GP	5.0E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB111D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/26/96	10/04/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	214.9	214.6	ft msl
pH	6.2	5.0	pH
Sp. conductance	48	34	µS/cm
Water temperature	27.0	25.0	°C
Alkalinity as CaCO ₃	28	1	mg/L
Turbidity	2	0	NTU
Volumes purged	0.0	2.5	well volumes
Sampling code	X		
Synchronous water level	216.7 (09/18/96)	213.3 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.5	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	25	1	V			GE	10	1				GE	µg/L
Cadmium, total recoverable	0.11	1	J			GE	0.56	1	J			GE	µg/L
Chromium, total recoverable	<2.7	1	V			GE							µg/L
Cobalt, total recoverable	<2.1	1	V			GE							µg/L
Copper, total recoverable	180	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	22	1		■		GE	6.4	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	4.7	1	J			GE	1.8	1	J			GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	770	1	V			GE	1,700	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Thallium, total recoverable	2.4	1	J	■		GE							µg/L
Vanadium, total recoverable	<1.5	1	V			GE							µg/L
Zinc, total recoverable	150	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	6.7	1		■		GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB111D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.7E-02	1	UI			GP							pCi/L
Cesium-137	2.8E-01	1	UI			GP							pCi/L
Cobalt-60	7.7E-01	1	UI			GP							pCi/L
Curium-242	2.5E-03	1	UI			GP							pCi/L
Curium-243/244	8.5E-03	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	1.1E+00	1				GP	2.3E+00	1				GP	pCi/L
Iodine-129	1.5E-01	1	UJI			GP							pCi/L
Nonvolatile beta	2.3E+00	1				GP	3.6E+00	1				GP	pCi/L
Plutonium-238	4.0E-02	1	UI			GP							pCi/L
Plutonium-239/240	-4.0E-03	1	UI			GP							pCi/L
Radium-226	1.2E+00	1				GP							pCi/L
Radium-228	-4.4E-01	1	UI			GP							pCi/L
Strontium-90	3.9E-01	1				GP							pCi/L
Technetium-99	-1.5E+01	1	UI			GP							pCi/L
Thorium-228	1.8E-01	1	UI			GP							pCi/L
Thorium-230	1.9E-01	1				GP							pCi/L
Thorium-232	0.0E+00	1	UI			GP							pCi/L
Total alpha emitters	1.9E-01												pCi/L
Total beta emitters	3.9E-01												pCi/L
Tritium	1.0E+01	1				GP	7.7E+00	1				GP	pCi/mL
Uranium-233/234	-9.6E-03	1	UI			GP							pCi/L
Uranium-235	4.9E-02	1	UI			GP							pCi/L
Uranium-238	7.0E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB112A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 08/23/96

10/07/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	153.1	153.1	ft msl
pH	6.4	6.4	pH
Sp. conductance	120	140	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	44	41	mg/L
Turbidity	1	1	NTU
Volumes purged	2.5	5.0	well volumes
Sampling code			
Synchronous water level	153.1 (09/18/96)	153.0 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	59	1				WA	42	1				GE	µg/L
Cadmium, total recoverable	0.19	1	J			GE	0.21	1	J			GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	0.95	1	J			WA							µg/L
Copper, total recoverable	6.9	1	J			WA							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1	J			GE	<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	<10	1				GE	<10	1				GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,800	5				WA	1,300	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<6.9	1				WA							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<3.1	1	V			WA							µg/L
Dichloromethane	1.3	1	J			GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB112A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	8.2E-01	1	J1			TM							pCi/L
Cesium-137	3.5E-01	1	UI			TM							pCi/L
Cobalt-60	-2.9E-01	1	UI			TM							pCi/L
Curium-242	1.4E-02	1	UI			GP							pCi/L
Curium-243/244	2.3E-03	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	1.8E+01	1		■		TM	1.3E+00	1				GP	pCi/L
Iodine-129	1.2E+00	1	UI			GP							pCi/L
Nonvolatile beta	2.0E+01	1				TM	7.2E+00	1				GP	pCi/L
Plutonium-238	-2.1E-03	1	UI			GP							pCi/L
Plutonium-239/240	4.1E-03	1	UI			GP							pCi/L
Radium-226	9.4E-01	1	J			GP							pCi/L
Radium-228	4.4E+00	1	J			TM							pCi/L
Strontium-90	7.9E+00	1				GP							pCi/L
Technetium-99	5.8E+00	1	UJI			TM							pCi/L
Thorium-228	6.0E-01	1	J1			TM							pCi/L
Thorium-230	4.8E-01	1	J1			TM							pCi/L
Thorium-232	0.0E+00	1	UI			TM							pCi/L
Total alpha emitters	4.8E+02			■									pCi/L
Total beta emitters	1.2E+01												pCi/L
Tritium	8.3E+01	1		■		GP	3.3E+01	1		■		GP	pCi/mL
Uranium-233/234	2.2E+02	1				GP							pCi/L
Uranium-235	1.6E+01	1				GP							pCi/L
Uranium-238	2.4E+02	1				GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB112C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74227.5 E48794.8	33.269556 °N 81.682496 °W	139.1-129.1 ft msl	229.1 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/07/96	10/09/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	201.1	201.0	ft msl
pH	3.8	4.0	pH
Sp. conductance	1400	1080	µS/cm
Water temperature	27.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	37	2	NTU
Volumes purged	0.0	2.5	well volumes
Sampling code	X		
Synchronous water level	201.2 (09/18/96)	200.6 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.2	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	700	1				GE							µg/L
Cadmium, total recoverable	36	1		■		GE	36	1		■		GE	µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	320	1		■		GE							µg/L
Copper, total recoverable	26	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	1.3	1	J			GE	3.4	1	J			GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	100	1		■		GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	230,000	200	JV	■		GE	210,000	500		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	13	1		■		GE							µg/L
Vanadium, total recoverable	0.52	1	J			GE							µg/L
Zinc, total recoverable	200	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<1.1	1	V			GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB112C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.1E-01	1	UI			GP							pCi/L
Cesium-137	1.3E+00	1	UI			GP							pCi/L
Cobalt-60	8.1E+00	1				GP							pCi/L
Curium-242	4.5E-01	1	UI			GP							pCi/L
Curium-243/244	4.9E-01	1	UI			GP							pCi/L
Curium-245/246	-6.8E-02	1	UI			GP							pCi/L
Gross alpha	2.0E+02	1		■		GP	1.7E+02	1		■		GP	pCi/L
Iodine-129	1.1E+02	1				GP							pCi/L
Nonvolatile beta	2.0E+03	1		■		GP	1.9E+03	1		■		GP	pCi/L
Plutonium-238	-9.6E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.3E-02	1	UI			GP							pCi/L
Radium-226	1.3E+02	1		■		GP							pCi/L
Radium-228	2.5E+01	1		■		GP							pCi/L
Strontium-90	9.5E+02	1		■		GP							pCi/L
Technetium-99	3.5E+02	1				GP							pCi/L
Thorium-228	5.4E-01	1				GP							pCi/L
Thorium-230	3.5E-01	1	UIV			GP							pCi/L
Thorium-232	7.4E-02	1	UI			GP							pCi/L
Total alpha emitters	8.4E+00												pCi/L
Total beta emitters	1.4E+03			■									pCi/L
Tritium	7.5E+03	1	J	■		GP	6.8E+03	1		■		GP	pCi/mL
Uranium-233/234	4.4E+00	1				GP							pCi/L
Uranium-235	1.9E-01	1	UI			GP							pCi/L
Uranium-238	3.5E+00	1				GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB112D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	08/06/96	10/09/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	205.0	204.9	ft msl
pH	4.6	3.4	pH
Sp. conductance	760	760	µS/cm
Water temperature	21.0	24.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	3	0	NTU
Volumes purged	6.6	8.8	well volumes
Sampling code			
Synchronous water level	205.1 (09/18/96)	204.4 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.8	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	720	1				GE							µg/L
Cadmium, total recoverable	14	1		■		GE	12	1		■		GE	µg/L
Chromium, total recoverable	0.98	1	J			GE							µg/L
Cobalt, total recoverable	56	1				GE							µg/L
Copper, total recoverable	72	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	34	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	83,000	100	V	■		GE	80,000	100	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	2.9	1	J	■		GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	72	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<1.1	1	V			GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB112D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	3.2E-01	1	UI			GP							pCi/L
Cesium-137	-6.9E-01	1	UI			GP							pCi/L
Cobalt-60	1.2E+00	1	UI			GP							pCi/L
Curium-242	-4.6E-01	1	UI			GP							pCi/L
Curium-243/244	-2.9E-01	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	1.3E+02	1		■		GP	2.8E+02	1		■		GP	pCi/L
Iodine-129	2.7E+01	1				GP							pCi/L
Nonvolatile beta	2.0E+03	1		■		GP	2.0E+03	1		■		GP	pCi/L
Plutonium-238	-2.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.3E-01	1				GP							pCi/L
Radium-226	9.1E+01	1		■		GP							pCi/L
Radium-228	4.1E+01	1		■		GP							pCi/L
Strontium-90	9.3E+02	1	V	■		GP							pCi/L
Technetium-99	5.4E+01	1	J			GP							pCi/L
Thorium-228	3.6E-01	1	UI			GP							pCi/L
Thorium-230	8.0E-01	1	UIV			GP							pCi/L
Thorium-232	-6.6E-03	1	UI			GP							pCi/L
Total alpha emitters	1.7E+01			■									pCi/L
Total beta emitters	1.1E+03			■									pCi/L
Tritium	3.2E+03	1	J	■		GP	3.2E+03	1		■		GP	pCi/mL
Uranium-233/234	9.1E+00	1	V			GP							pCi/L
Uranium-235	5.0E-01	1				GP							pCi/L
Uranium-238	7.1E+00	1	V			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB113A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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	07/02/96	10/04/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	158.2	158.8	ft msl
pH	10.8	11.6	pH
Sp. conductance	1080	2000	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	326	358	mg/L
Turbidity	1	1	NTU
Volumes purged	0.039	0.020	well volumes
Sampling code	X	X	
Synchronous water level	158.9 (09/17/96)	138.7 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	4.0	1	J			GE	7.5	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	8,900	5				GE	7,600	10				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB113A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.1E+00	1				GP	8.3E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	1.2E+01	1				GP	1.2E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.2E+02	1		■		GP	2.2E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB113C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74160.7 E51084.2	33.273144 °N 81.676339 °W	164.0-154.0 ft msl	222.9 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/01/96	10/08/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	201.9	202.0	ft msl
pH	6.4	7.4	pH
Sp. conductance	150	140	µS/cm
Water temperature	27.0	25.0	°C
Alkalinity as CaCO ₃	29	42	mg/L
Turbidity	2	3	NTU
Volumes purged	2.2	0.41	well volumes
Sampling code		X	
Synchronous water level	202.0 (09/17/96)	201.6 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	1.6	1	J			GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	4,500	4	V			GE	5,900	4	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB113C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.2E+00	1				GP	2.1E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	2.1E+00	1				GP	3.1E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	5.4E+01	1		■		GP	7.0E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB113D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/01/96	10/08/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	206.4	206.2	ft msl
pH	5.0	4.6	pH
Sp. conductance	33	26	µS/cm
Water temperature	24.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	2	NTU
Volumes purged	4.7	6.2	well volumes
Sampling code			
Synchronous water level	204.4 (09/17/96)	205.8 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable	5.5	1	V			GE							µg/L
Cadmium, total recoverable	0.47	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	410	1		■		GE	1.2	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable	2.0	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,200	1	V			GE	960	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB113D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.9E-01	1				GP	1.0E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	2.1E+00	1				GP	3.1E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	8.1E+00	1				GP	8.5E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB114A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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	07/31/96	10/08/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	155.2	155.5	ft msl
pH	8.0	7.4	pH
Sp. conductance	180	180	µS/cm
Water temperature	25.0	25.0	°C
Alkalinity as CaCO ₃	27	55	mg/L
Turbidity	2	3	NTU
Volumes purged	2.6	2.6	well volumes
Sampling code			
Synchronous water level	155.3 (09/18/96)	154.3 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	1.4	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	6,900	4	V			GE	2,100	4	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB114A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.8E-01	1	UI			GP	1.3E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	1.1E+00	1				GP	1.3E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.3E+00	1				GP	7.5E-01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB114C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75288.5 E52033.8	33.277188 °N 81.676030 °W	168.0-158.0 ft msl	252.2 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/09/96	10/08/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	212.6	212.6	ft msl
pH	4.2	6.0	pH
Sp. conductance	160	84	µS/cm
Water temperature	26.0	26.0	°C
Alkalinity as CaCO ₃	6	18	mg/L
Turbidity	2	7	NTU
Volumes purged	2.5	0.028	well volumes
Sampling code		X	
Synchronous water level	212.5 (09/18/96)	212.0 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	5.5	1	J			WA	7.9	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,400	2	V			GE	2,300	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB114C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.4E+00	1	J1			TM	2.4E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	1.4E+00	1				GP	2.1E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.7E+00	1				TM	3.2E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB114D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/31/96	10/08/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	215.8	215.7	ft msl
pH	5.0	4.8	pH
Sp. conductance	42	44	µS/cm
Water temperature	25.0	26.0	°C
Alkalinity as CaCO ₃	5	1	mg/L
Turbidity	0	1	NTU
Volumes purged	4.0	4.1	well volumes
Sampling code			
Synchronous water level	215.9 (09/18/96)	215.3 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	5.7	1				GE	6.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,200	2	V			GE	2,000	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB114D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.4E-01	1				GP	1.9E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	4.6E-01	1	UI			GP	1.8E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	6.8E+00	1				GP	6.5E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB115C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72515.5 E49736.0	33.267306 °N 81.676692 °W	173.8-163.8 ft msl	207.8 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/31/96	10/10/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	182.9	184.6	ft msl
pH	5.6	4.4	pH
Sp. conductance	20	20	µS/cm
Water temperature	25.0	22.0	°C
Alkalinity as CaCO ₃	6	3	mg/L
Turbidity	7	7	NTU
Volumes purged	0.080	0.073	well volumes
Sampling code	X	X	
Synchronous water level	184.5 (09/18/96)	183.7 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<0.20	1	V			GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	4.2	1	J			GE	2.4	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,600	2	V			GE	640	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB115C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.2E-01	1	UI			GP	1.3E-01	1	UI			GP	pCi/L
Iodine-129													
Nonvolatile beta	3.6E-01	1	UI			GP	1.4E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	9.2E+00	1				GP	8.1E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB115D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	08/07/96	10/11/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	190.9	190.8	ft msl
pH	5.0	4.0	pH
Sp. conductance	32	22	µS/cm
Water temperature	30.0	23.0	°C
Alkalinity as CaCO ₃	1	2	mg/L
Turbidity	62	19	NTU
Volumes purged	0.18	0.37	well volumes
Sampling code	X	X	
Synchronous water level	190.9 (09/18/96)	188.8 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	36	1		■		GE	22	1		■		GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	250	1	V			GE	360	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB115D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.8E+00	1				GP	2.4E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	4.3E+00	1				GP	1.9E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	8.1E+00	1				GP	8.6E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB116C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72725.5 E50645.9	33.269255 °N 81.674705 °W	170.5-160.5 ft msl	202.5 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/01/96	10/09/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	189.0	189.1	ft msl
pH	5.0	5.0	pH
Sp. conductance	26	18	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	1	2	mg/L
Turbidity	1	1	NTU
Volumes purged	6.0	3.2	well volumes
Sampling code			
Synchronous water level	190.9 (09/18/96)	189.0 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,100	1	V			GE	1,200	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB116C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	6.6E-01	1	UI			GP	3.7E-01	1	UI			GP	pCi/L
Iodine-129													
Nonvolatile beta	7.3E-01	1	UI			GP	4.5E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.1E+01	1				GP	1.1E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB116D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/02/96	10/09/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	191.4	191.3	ft msl
pH	5.0	5.0	pH
Sp. conductance	60	20	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	1	2	mg/L
Turbidity	11	20	NTU
Volumes purged	0.61	0.0	well volumes
Sampling code	X	X	
Synchronous water level	189.4 (09/18/96)	191.1 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	25	1		■		GE	34	1		■		GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	300	1				GE	300	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB116D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	9.8E-01	1				GP	1.1E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	2.2E+00	1				GP	5.7E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.0E+01	1				GP	1.0E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB117D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	08/07/96	10/07/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	204.3	204.1	ft msl
pH	4.2	3.6	pH
Sp. conductance	440	520	µS/cm
Water temperature	21.0	23.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	3	1	NTU
Volumes purged	8.0	10	well volumes
Sampling code			
Synchronous water level	204.3 (09/17/96)	203.8 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	4.1	1				GE	4.9	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	42,000	50	V	■		GE	30,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB117D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.0E+02	1		■		GP	7.5E+02	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta	6.2E+02	1		■		GP	7.8E+02	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.2E+03	1		■		GP	1.7E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB118D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	08/05/96	10/09/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	210.6	210.4	ft msl
pH	4.4	4.2	pH
Sp. conductance	10	26	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	2	1	mg/L
Turbidity	2	5	NTU
Volumes purged	3.9	4.5	well volumes
Sampling code			
Synchronous water level	210.6 (09/18/96)	210.0 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	8.1	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable	1.2	1	J			GE							µg/L
Cobalt, total recoverable	1.0	1	J			GE							µg/L
Copper, total recoverable	29	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	3.2	1	J			GE	3.4	1	J			GE	µg/L
Mercury, total recoverable	0.25	1				GE							µg/L
Nickel, total recoverable	1.6	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,100	1	V			GE	1,200	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	35	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<2.8	1	V			GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	2.9	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB118D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.1E-01	1	UI			GP							pCi/L
Cesium-137	5.7E-01	1	UI			GP							pCi/L
Cobalt-60	-7.6E-01	1	UI			GP							pCi/L
Curium-242	4.6E-02	1	UI			GP							pCi/L
Curium-243/244	9.6E-02	1	UI			GP							pCi/L
Curium-245/246	-9.8E-03	1	UI			GP							pCi/L
Gross alpha	6.4E-01	1				GP	2.0E+00	1				GP	pCi/L
Iodine-129	1.7E-01	1	UJI			GP							pCi/L
Nonvolatile beta	1.1E+00	1	UI			GP	1.8E+00	1				GP	pCi/L
Plutonium-238	-2.0E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.2E-01	1				GP							pCi/L
Radium-226	4.5E-01	1	UI			GP							pCi/L
Radium-228	4.1E-02	1	UI			GP							pCi/L
Strontium-90	4.2E-01	1	UI			GP							pCi/L
Technetium-99	-1.3E+01	1	UI			GP							pCi/L
Thorium-228	8.4E-02	1	UI			GP							pCi/L
Thorium-230	2.4E-01	1				GP							pCi/L
Thorium-232	4.4E-01	1				GP							pCi/L
Total alpha emitters	8.0E-01												pCi/L
Total beta emitters													
Tritium	1.0E+01	1				GP	8.4E+00	1				GP	pCi/mL
Uranium-233/234	4.0E-02	1	UI			GP							pCi/L
Uranium-235	3.0E-02	1	UI			GP							pCi/L
Uranium-238	-3.6E-03	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB119D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	08/07/96	10/10/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	207.4	207.3	ft msl
pH	3.6	4.0	pH
Sp. conductance	720	460	µS/cm
Water temperature	26.0	22.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	69	59	NTU
Volumes purged	0.0	0.11	well volumes
Sampling code	X	X	
Synchronous water level	207.4 (09/17/96)	206.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	6.9	1		■		GE	6.6	1	V	■		GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	310	1		■		GE	150	1	V	■		GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	53,000	50	JV	■		GE	75,000	100	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB119D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.2E+03	1		■		GP	1.5E+03	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta	1.3E+03	1		■		GP	1.4E+03	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	5.0E+03	1	J	■		GP	2.3E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB120A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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	07/31/96	10/11/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	149.0	248.9	ft msl
pH	11.6	11.4	pH
Sp. conductance	1200	2200	µS/cm
Water temperature	26.0	23.0	°C
Alkalinity as CaCO ₃	258	439	mg/L
Turbidity	1	4	NTU
Volumes purged	2.7	0.031	well volumes
Sampling code		X	
Synchronous water level	148.7 (09/18/96)	149.8 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.9	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	98	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable	<2.7	1	V			GE							µg/L
Cobalt, total recoverable	<0.56	1	V			GE							µg/L
Copper, total recoverable	<1.0	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.0	1	J			GE	7.4	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	11,000	10	V	■		GE	19,000	20	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<4.3	1	V			GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB120A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.5E-02	1	UI			GP							pCi/L
Cesium-137	-5.5E-01	1	UI			GP							pCi/L
Cobalt-60	-9.2E-01	1	UI			GP							pCi/L
Curium-242	4.5E-02	1	UI			GP							pCi/L
Curium-243/244	-4.9E-02	1	UI			GP							pCi/L
Curium-245/246	6.8E-02	1	UI			GP							pCi/L
Gross alpha	7.4E-01	1	UI			GP	2.9E+00	1				GP	pCi/L
Iodine-129	2.7E+00	1	J			GP							pCi/L
Nonvolatile beta	1.5E+01	1				GP	1.8E+01	1				GP	pCi/L
Plutonium-238	-1.5E-02	1	UI			GP							pCi/L
Plutonium-239/240	7.8E-02	1	UI			GP							pCi/L
Radium-226	1.1E+00	1				GP							pCi/L
Radium-228	-1.5E+00	1	UI			GP							pCi/L
Strontium-90	7.5E+00	1				GP							pCi/L
Technetium-99	1.4E+00	1	UI			GP							pCi/L
Thorium-228	6.9E-02	1	UI			GP							pCi/L
Thorium-230	2.3E-01	1				GP							pCi/L
Thorium-232	-4.0E-03	1	UI			GP							pCi/L
Total alpha emitters	2.3E-01												pCi/L
Total beta emitters	1.0E+01												pCi/L
Tritium	2.5E+02	1		■		GP	4.8E+02	1		■		GP	pCi/mL
Uranium-233/234	3.9E-02	1	UI			GP							pCi/L
Uranium-235	2.3E-02	1	UI			GP							pCi/L
Uranium-238	-1.1E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB120C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75549.8 E49171.1	33.273094 °N 81.684074 °W	160.7-150.7 ft msl	279.7 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/31/96	10/11/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	205.1	205.1	ft msl
pH	5.4	6.6	pH
Sp. conductance	300	300	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	18	4	mg/L
Turbidity	1	2	NTU
Volumes purged	2.7	2.6	well volumes
Sampling code			
Synchronous water level	205.2 (09/18/96)	204.8 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<2.3	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	92	1	V			GE							µg/L
Cadmium, total recoverable	0.59	1	JV			GE	<2.0	1				GE	µg/L
Chromium, total recoverable	<2.2	1	V			GE							µg/L
Cobalt, total recoverable	5.3	1	V			GE							µg/L
Copper, total recoverable	<2.4	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE	2.2	1	J			GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	4.1	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	32,000	50	V	■		GE	34,000	20	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	2.7	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<1.4	1	V			GE							µg/L
Zinc, total recoverable	11	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB120C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.1E-02	1	UI			GP							pCi/L
Cesium-137	2.0E-01	1	UI			GP							pCi/L
Cobalt-60	-7.1E-01	1	UI			GP							pCi/L
Curium-242	-6.2E-02	1	UI			GP							pCi/L
Curium-243/244	1.9E-01	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	1.3E+01	1				GP	1.4E+01	1				GP	pCi/L
Iodine-129	1.3E+01	1	J			GP							pCi/L
Nonvolatile beta	3.5E+01	1				GP	3.6E+01	1				GP	pCi/L
Plutonium-238	2.5E-02	1	UI			GP							pCi/L
Plutonium-239/240	4.0E-02	1	UI			GP							pCi/L
Radium-226	6.9E+00	1		■		GP							pCi/L
Radium-228	-6.8E-02	1	UI			GP							pCi/L
Strontium-90	7.4E+00	1				GP							pCi/L
Technetium-99	4.6E+01	1				GP							pCi/L
Thorium-228	6.0E-02	1	UI			GP							pCi/L
Thorium-230	1.7E-01	1				GP							pCi/L
Thorium-232	4.6E-03	1	UI			GP							pCi/L
Total alpha emitters	9.4E-01												pCi/L
Total beta emitters	6.5E+01			■									pCi/L
Tritium	8.8E+02	1		■		GP	7.6E+02	1		■		GP	pCi/mL
Uranium-233/234	4.8E-01	1				GP							pCi/L
Uranium-235	8.6E-02	1	UI			GP							pCi/L
Uranium-238	2.9E-01	1				GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB120D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	08/01/96	10/11/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	208.6	208.5	ft msl
pH	6.4	5.4	pH
Sp. conductance	70	64	µS/cm
Water temperature	28.0	25.0	°C
Alkalinity as CaCO ₃	22	1	mg/L
Turbidity	6	47	NTU
Volumes purged	0.0	0.38	well volumes
Sampling code	X	X	
Synchronous water level	208.6 (09/18/96)	208.2 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	60	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable	5.8	1				GE							µg/L
Cobalt, total recoverable	<0.70	1	V			GE							µg/L
Copper, total recoverable	<5.5	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	3.9	1	J			GE	6.1	1				GE	µg/L
Mercury, total recoverable	<0.20	1	J			GE							µg/L
Nickel, total recoverable	8.2	1	JV			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	370	1	V			GE	550	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<3.6	1	V			GE							µg/L
Vanadium, total recoverable	0.62	1	J			GE							µg/L
Zinc, total recoverable	48	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	2.7	1	J			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB120D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-8.0E-03	1	UI			GP							pCi/L
Cesium-137	6.2E-02	1	UI			GP							pCi/L
Cobalt-60	-9.3E-01	1	UI			GP							pCi/L
Curium-242	-1.8E-02	1	UI			GP							pCi/L
Curium-243/244	1.9E-02	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	2.0E+00	1				GP	3.1E+00	1				GP	pCi/L
Iodine-129	-3.0E-01	1	UJI			GP	2.4E+00	1				GP	pCi/L
Nonvolatile beta	3.3E+00	1				GP							pCi/L
Plutonium-238	-5.7E-02	1	UI			GP							pCi/L
Plutonium-239/240	-5.7E-02	1	UI			GP							pCi/L
Radium-226	9.1E-01	1				GP							pCi/L
Radium-228	-8.8E-01	1	UI			GP							pCi/L
Strontium-90	4.8E-01	1	UI			GP							pCi/L
Technetium-99	-9.0E+00	1	UI			GP							pCi/L
Thorium-228	9.6E-02	1	UI			GP							pCi/L
Thorium-230	1.6E-01	1				GP							pCi/L
Thorium-232	2.9E-02	1	UI			GP							pCi/L
Total alpha emitters	1.6E-01												pCi/L
Total beta emitters													
Tritium	1.2E+01	1				GP	1.1E+01	1				GP	pCi/mL
Uranium-233/234	8.7E-02	1	UI			GP							pCi/L
Uranium-235	2.2E-02	1	UI			GP							pCi/L
Uranium-238	-2.7E+00	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB121C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75155.7 E48413.1	33.270985 °N 81.685304 °W	158.4-148.4 ft msl	256.5 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/01/96	10/09/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	203.5	203.3	ft msl
pH	5.6	5.8	pH
Sp. conductance	52	52	µS/cm
Water temperature	25.0	25.0	°C
Alkalinity as CaCO ₃	4	3	mg/L
Turbidity	1	1	NTU
Volumes purged	5.0	3.1	well volumes
Sampling code			
Synchronous water level	203.4 (09/18/96)	202.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable							29	1				GE	µg/L
Cadmium, total recoverable	<2.0	1				GE	0.19	1	J			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	1.3	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable							2.3	1	J			GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,500	2				GE	2,600	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable							<2.0	1	J			GE	µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB121C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.3E+00	1				GP	3.6E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	5.0E+00	1				GP	9.2E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.3E+02	1		■		GP	1.3E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB121DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/02/96	10/10/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	206.3	206.0	ft msl
pH	4.4	5.0	pH
Sp. conductance	280	32	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	8	3	mg/L
Turbidity	5	7	NTU
Volumes purged	0.10	0.10	well volumes
Sampling code	X	X	
Synchronous water level	206.1 (09/18/96)	205.7 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable							26	1				GE	µg/L
Cadmium, total recoverable	0.39	1	J			GE	0.35	1	J			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	9.0	1				GE	27	1		■		GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable							3.9	1	J			GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,100	2				GE	3,000	4	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable							<2.0	1				GE	µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB121DR (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.8E+00	1				GP	1.1E+01	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	3.2E+01	1				GP	3.0E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.7E+01	1				GP	2.5E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB122C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73881.8 E48195.0	33.267812 °N 81.683403 °W	170.0-160.0 ft msl	218 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/31/96	10/10/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	198.5	198.7	ft msl
pH	4.4	4.2	pH
Sp. conductance	560	480	µS/cm
Water temperature	25.0	25.0	°C
Alkalinity as CaCO ₃	5	0	mg/L
Turbidity	1	1	NTU
Volumes purged	2.9	3.0	well volumes
Sampling code			
Synchronous water level	199.0 (09/18/96)	198.3 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable							160	1	V			GE	µg/L
Cadmium, total recoverable	1.0	1	JV			GE	1.1	1	JV			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	1.9	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable							16	1				GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	62,000	100	V	■		GE	66,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable							<2.0	1				GE	µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB122C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.7E+01	1		■		GP	2.6E+01	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta	6.7E+01	1		■		GP	5.8E+01	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.8E+03	1		■		GP	1.7E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB122D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/31/96	10/14/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	201.7	202.2	ft msl
pH	4.8	4.6	pH
Sp. conductance	200	160	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	3	0	mg/L
Turbidity	1	1	NTU
Volumes purged	5.7	5.8	well volumes
Sampling code			
Synchronous water level	202.5 (09/18/96)	201.6 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<2.1	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	64	1	V			GE							µg/L
Cadmium, total recoverable	<0.21	1	V			GE	0.22	1	J			GE	µg/L
Chromium, total recoverable	<1.3	1	V			GE							µg/L
Cobalt, total recoverable	<2.8	1	V			GE							µg/L
Copper, total recoverable	6.9	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	3.3	1	J			GE	2.4	1	J			GE	µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	2.5	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	18,000	10	V	■		GE	19,000	50		■		WA	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	2.3	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable	<5.0	1				GE							µg/L
Vanadium, total recoverable	<1.4	1	V			GE							µg/L
Zinc, total recoverable	22	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Phenols	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB122D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.7E-02	1	UI			GP							pCi/L
Cesium-137	-5.1E-01	1	UI			GP							pCi/L
Cobalt-60	4.6E-01	1	UI			GP							pCi/L
Curium-242	-2.8E-03	1	UI			GP							pCi/L
Curium-243/244	4.0E-02	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	2.8E+00	1				GP	4.6E+00	1				GP	pCi/L
Iodine-129	6.0E-01	1	UJI			GP							pCi/L
Nonvolatile beta	1.2E+01	1				GP	4.9E+01	1				TM	pCi/L
Plutonium-238	7.7E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.3E-02	1	UI			GP							pCi/L
Radium-226	2.2E+00	1				GP							pCi/L
Radium-228	-7.8E-01	1	UI			GP							pCi/L
Strontium-90	-1.8E-01	1	UI			GP							pCi/L
Technetium-99	1.4E+01	1	UI			GP							pCi/L
Thorium-228	4.4E-02	1	UI			GP							pCi/L
Thorium-230	8.1E-02	1				GP							pCi/L
Thorium-232	-7.5E-03	1	UI			GP							pCi/L
Total alpha emitters	2.2E-01												pCi/L
Total beta emitters													
Tritium	6.2E+02	1		■		GP	1.2E+03	1		■		TM	pCi/mL
Uranium-233/234	7.7E-02	1				GP							pCi/L
Uranium-235	5.8E-02	1				GP							pCi/L
Uranium-238	2.6E-02	1	UI			GP							pCi/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB123C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74566.7 E51750.5	33.275129 °N 81.675374 °W	165.3-155.3 ft msl	238.1 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/03/96	10/10/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	209.5	209.4	ft msl
pH	5.8	5.6	pH
Sp. conductance	72	60	µS/cm
Water temperature	24.0	25.0	°C
Alkalinity as CaCO ₃	5	8	mg/L
Turbidity	0	0	NTU
Volumes purged	3.7	2.2	well volumes
Sampling code			
Synchronous water level	209.5 (09/17/96)	208.9 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable	12	1	V			GE							µg/L
Cadmium, total recoverable	0.65	1	J			GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	1.4	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable	0.92	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	3,400	5				GE	3,400	4	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB123C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.5E-03	1	UI			GP	-1.1E-01	1	UI			GP	pCi/L
Iodine-129													
Nonvolatile beta	9.3E-01	1	UI			GP	1.6E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.0E+00	1				GP	1.6E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB123D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
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 (IIB2)

SAMPLE DATE	07/03/96	10/10/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	211.1	210.9	ft msl
pH	5.2	4.6	pH
Sp. conductance	48	36	µS/cm
Water temperature	24.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	1	NTU
Volumes purged	8.9	4.9	well volumes
Sampling code			
Synchronous water level	211.2 (09/17/96)	210.3 (12/10/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	2.3	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,500	2				GE	2,600	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSB123D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.9E-01	1				GP	6.7E-01	1	UI			GP	pCi/L
Iodine-129													
Nonvolatile beta	7.9E-01	1	UI			GP	3.7E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	8.3E+00	1				GP	7.1E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N79063.1 E52992.5	33.287100 °N 81.680840 °W	228.6-208.5 ft msl	310.8 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/14/96	11/19/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	223.4	223.2	ft msl
pH	4.8	4.2	pH
Sp. conductance	54	48	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	1	0	mg/L
Turbidity	52	10	NTU
Volumes purged	0.41	0.41	well volumes
Sampling code	X	X	
Synchronous water level	223.3 (09/23/96)	222.9 (12/17/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<6.2	1	V			GE							µg/L
Barium, total recoverable	31	1				GE							µg/L
Cadmium, total recoverable	1.2	1	J			GE	0.40	1	J			GE	µg/L
Chromium, total recoverable	1,100	1		■		GE							µg/L
Cobalt, total recoverable	4.2	1				GE							µg/L
Copper, total recoverable	91	1				GE							µg/L
Cyanide													
Lead, total recoverable	100	1		■		GE	70	1		■		GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable	17	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	3,900	4	V			GE	3,000	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Thallium, total recoverable													
Vanadium, total recoverable	1.8	1	J			GE							µg/L
Zinc, total recoverable	66	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 1D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.7E+00	1				GP	4.5E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	3.6E+00	1				GP	3.1E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.9E+01	1		■		GP	3.2E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N78636.5 E52790.6	33.285827 °N 81.680542 °W	228.8-208.7 ft msl	305.8 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/29/96	10/18/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	223.7	224.2	ft msl
pH	5.4	5.8	pH
Sp. conductance	84	70	µS/cm
Water temperature	28.0	25.0	°C
Alkalinity as CaCO ₃	45	16	mg/L
Turbidity	64	29	NTU
Volumes purged	0.0	0.39	well volumes
Sampling code	X	X	
Synchronous water level	224.1 (09/20/96)	223.8 (12/13/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	0.15	1	J			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	54	1		■		GE	19	1		■		GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	960	1	V			GE	1,100	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 2D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.1E+00	1				GP	4.7E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	3.4E+00	1				GP	3.7E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.1E+01	1				GP	1.1E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77765.2 E52465.2	33.283369 °N 81.679706 °W	226.0-205.9 ft msl	302 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/29/96	10/18/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.7	221.5	ft msl
pH	6.8	6.6	pH
Sp. conductance	320	240	µS/cm
Water temperature	28.0	26.0	°C
Alkalinity as CaCO ₃	92	120	mg/L
Turbidity	485	35	NTU
Volumes purged	0.0	0.0	well volumes
Sampling code	X	X	
Synchronous water level	221.4 (09/23/96)	221.2 (12/13/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	18	1		■		GE	14	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,000	2	V			GE	1,700	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 3D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.2E+01	1				GP	4.4E+01	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta	1.3E+01	1				GP	2.8E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.1E+01	1		■		GP	3.4E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77452.4 E52230.4	33.282294 °N 81.679717 °W	224.1-204.0 ft msl	294.1 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/29/96	10/18/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	215.7	215.9	ft msl
pH	6.0	5.2	pH
Sp. conductance	54	48	µS/cm
Water temperature	29.0	26.0	°C
Alkalinity as CaCO ₃	24	8	mg/L
Turbidity	9	3	NTU
Volumes purged	0.0	0.0	well volumes
Sampling code	X	X	
Synchronous water level	215.9 (09/23/96)	215.4 (12/13/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	29	1		■		GE	50	1		■		GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,900	1	V			GE	1,800	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 4D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	8.2E-01	1				GP	7.9E-01	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	2.3E+00	1				GP	3.4E+00	1	UIV			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	5.0E+00	1				GP	4.2E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 5D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77047.7 E51903.3	33.280865 °N 81.679791 °W	223.7-203.5 ft msl	291.8 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/29/96	10/16/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	219.9	219.5	ft msl
pH	5.2	5.8	pH
Sp. conductance	200	240	µS/cm
Water temperature	28.0	22.0	°C
Alkalinity as CaCO ₃	24	5	mg/L
Turbidity	20	46	NTU
Volumes purged	0.0	0.44	well volumes
Sampling code	X	X	
Synchronous water level	219.5 (09/23/96)	219.3 (12/13/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	0.24	1	J			GE	<0.37	1	V			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	20	1		■		GE	17	1	V	■		GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	15,000	10	V	■		GE	24,000	20	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 5D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.1E+01	1				GP	2.0E+01	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta	5.7E+02	1		■		GP	2.1E+02	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.4E+02	1		■		GP	4.5E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76733.1 E51727.9	33.279883 °N 81.679642 °W	222.1-202.1 ft msl	286.2 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/29/96	10/21/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	219.0	218.6	ft msl
pH	5.0	4.8	pH
Sp. conductance	120	100	µS/cm
Water temperature	28.0	25.0	°C
Alkalinity as CaCO ₃	6	0	mg/L
Turbidity	4	2	NTU
Volumes purged	4.3	7.8	well volumes
Sampling code			
Synchronous water level	218.8 (09/23/96)	218.4 (12/13/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE	<5.0	1				GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	9,700	10	V			GE	6,500	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 6D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.5E+00	1				GP	4.9E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	7.7E+00	1				GP	8.5E+00	1	UIV			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.3E+02	1		■		GP	7.4E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76327.8 E51485.6	33.278592 °N 81.679492 °W	219.6-199.5 ft msl	287.6 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/07/96	10/16/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	217.6	217.4	ft msl
pH	5.6	4.4	pH
Sp. conductance	500	440	µS/cm
Water temperature	27.0	22.0	°C
Alkalinity as CaCO ₃	0	1	mg/L
Turbidity	8	7	NTU
Volumes purged	0.34	0.34	well volumes
Sampling code	X	X	
Synchronous water level	217.4 (09/18/96)	217.1 (12/13/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	3.0	1				GE	2.5	1	V			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	18	1		■		GE	9.4	1	V			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	66,000	50	V	■		GE	58,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 7D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.1E+01	1		■		GP	6.4E+01	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta	1.5E+02	1		■		GP	1.3E+02	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	7.7E+02	1		■		GP	7.1E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 8D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76054.7 E51513.5	33.278033 °N 81.678888 °W	222.8-202.7 ft msl	290.8 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/29/96	10/21/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	216.9	216.5	ft msl
pH	6.0	5.0	pH
Sp. conductance	78	78	µS/cm
Water temperature	26.0	26.0	°C
Alkalinity as CaCO ₃	9	2	mg/L
Turbidity	2	1	NTU
Volumes purged	4.3	4.0	well volumes
Sampling code			
Synchronous water level	216.7 (09/18/96)	216.3 (12/13/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	<2.0	1				GE	<2.0	1				GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	16	1		■		GE	34	1		■		GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	5,200	4	V			GE	6,100	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 8D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.0E+00	1				GP	2.2E+00	1				GP	pCi/L
Iodine-129													
Nonvolatile beta	4.1E+00	1				GP	4.1E+00	1	UIV			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.1E+01	1		■		GP	3.6E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75768.4 E51543.9	33.277450 °N 81.678252 °W	221.5-201.4 ft msl	285.9 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/29/96	10/21/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	215.8	215.4	ft msl
pH	4.2	4.4	pH
Sp. conductance	200	160	µS/cm
Water temperature	27.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	232	1	NTU
Volumes purged	4.7	6.1	well volumes
Sampling code			
Synchronous water level	215.6 (09/18/96)	215.1 (12/13/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable	0.58	1	J			GE	0.45	1	J			GE	µg/L
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	6.1	1				GE	3.0	1	J			GE	µg/L
Mercury, total recoverable													
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	15,000	10	V	■		GE	12,000	20	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Phenols													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL FSL 9D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Cesium-137													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	8.4E+01	1		■		GP	6.1E+01	1		■		GP	pCi/L
Iodine-129													
Nonvolatile beta	1.7E+02	1		■		GP	1.3E+02	1	V	■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	5.9E+02	1		■		GP	5.7E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 85A

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

SAMPLE DATE	08/01/96	11/06/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	168.8	168.5	ft msl
pH	6.8	6.0	pH
Sp. conductance	180	160	µS/cm
Water temperature	28.0	20.0	°C
Alkalinity as CaCO ₃	20	2	mg/L
Turbidity	4	1	NTU
Volumes purged	2.2	2.8	well volumes
Sampling code			
Synchronous water level	168.9 (09/17/96)	168.5 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable							2.2	1	J			GE	µg/L
Arsenic, total recoverable							2.2	1	J			GE	µg/L
Barium, total recoverable							33	1	V			GE	µg/L
Cadmium, total recoverable	<2.0	1				GE	1.9	1	JV			GE	µg/L
Chromium, total recoverable							2.7	1	J			GE	µg/L
Cobalt, total recoverable													
Copper, total recoverable							13	1				GE	µg/L
Cyanide													
Lead, total recoverable	<5.0	1				GE	<1.9	1	V			GE	µg/L
Mercury, total recoverable	0.31	1	J			GE	0.87	1	V			GE	µg/L
Nickel, total recoverable							1.3	1	J			GE	µg/L
Nitrate as nitrogen	48	1				WA	<10	1				GE	µg/L
Nitrate-nitrite as nitrogen	660	1	V			GE	210	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable							2.7	1	J			GE	µg/L
Silver, total recoverable							<2.0	1				GE	µg/L
Thallium, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable							<4.8	1	JV			GE	µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene							<2.0	1				GE	µg/L
Bis(2-ethylhexyl) phthalate													
Dichloromethane							<10	1				GE	µg/L
Phenols							<5.0	1				GE	µg/L
Tetrachloroethylene							<2.0	1				GE	µg/L
Trichloroethylene							<2.0	1				GE	µg/L
Trichlorofluoromethane							<2.0	1				GE	µg/L

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 85A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	Unit	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241														
Cesium-137														
Cobalt-60														
Curium-242														
Curium-243/244														
Curium-245/246														
Gross alpha	2.6E+00	1				TM		1.9E-01	1	UI			GP	pCi/L
Iodine-129														
Nonvolatile beta	2.8E+00	1				TM		8.9E-01	1	UI			GP	pCi/L
Plutonium-238														
Plutonium-239/240														
Radium-226														
Radium-228														
Strontium-90								7.0E-01	1				GP	pCi/L
Technetium-99														
Thorium-228														
Thorium-230														
Thorium-232														
Total alpha emitters														
Total beta emitters								7.0E-01						pCi/L
Tritium	-7.0E-02	1	UI			TM		7.0E-021		UI			GP	pCi/mL
Uranium-233/234														
Uranium-235														
Uranium-238														

Notes: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

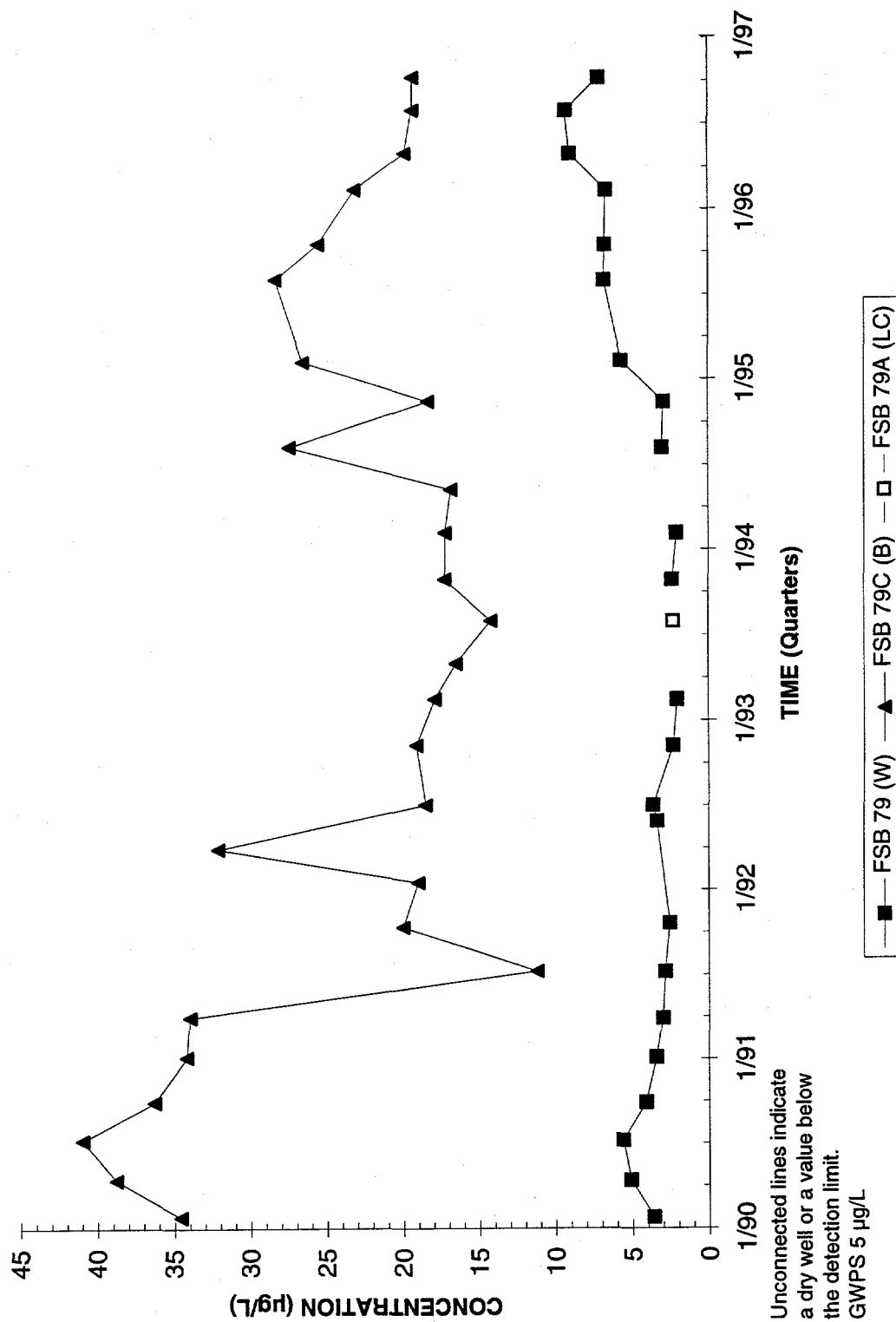
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Appendix D

Time Series Plots

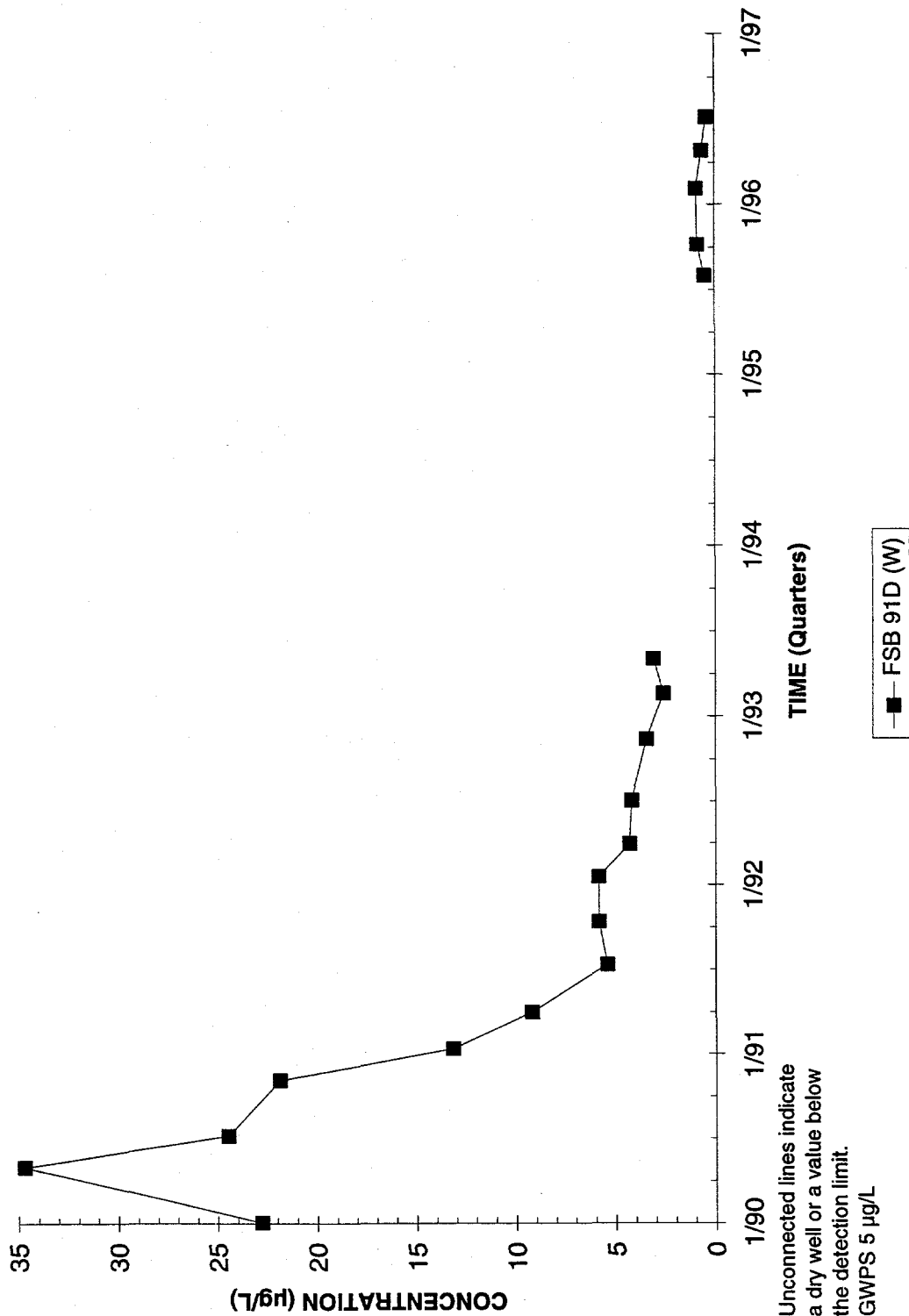
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Cadmium Concentrations Well Cluster FSB 79



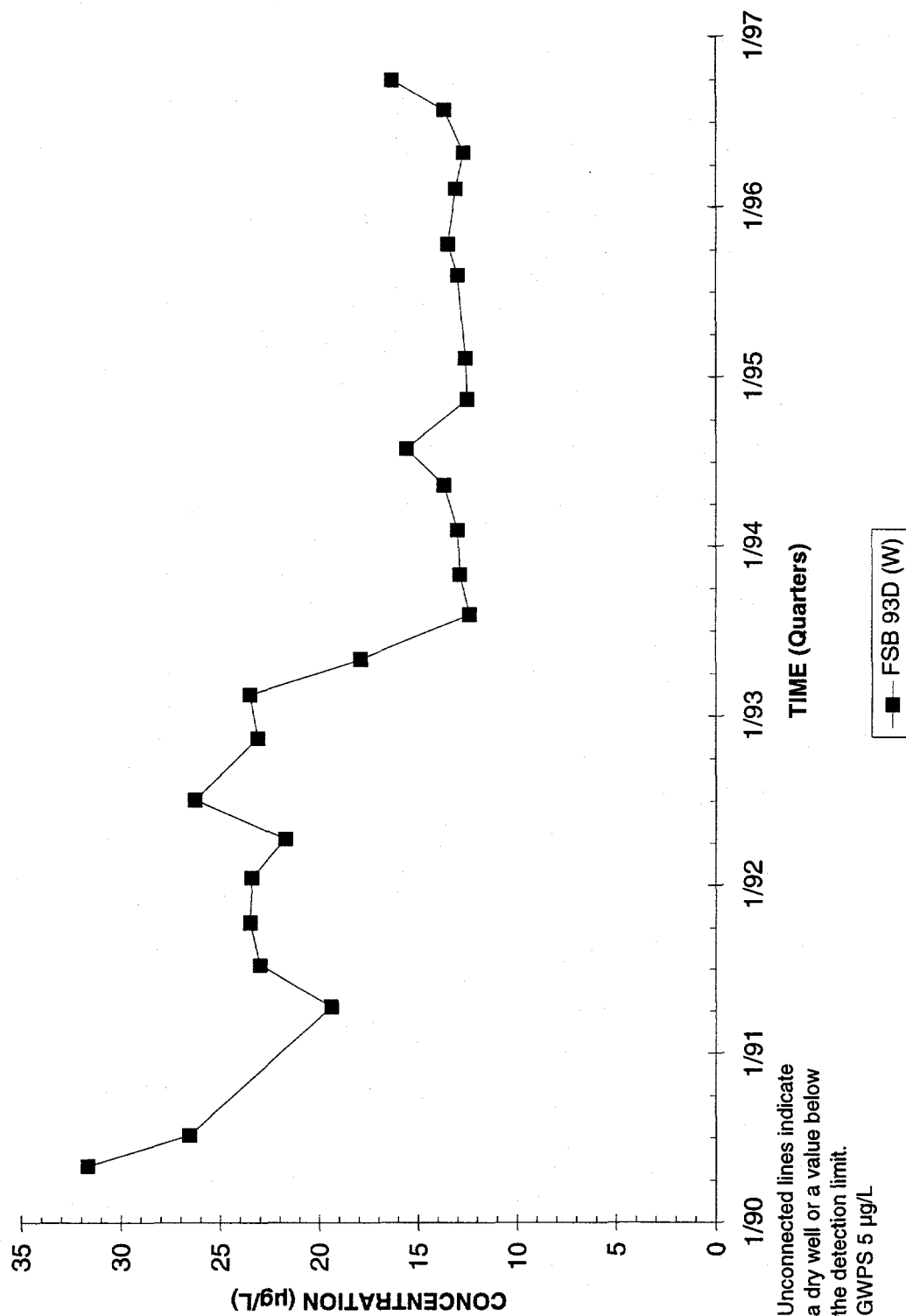
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Cadmium Concentrations Well FSB 91D



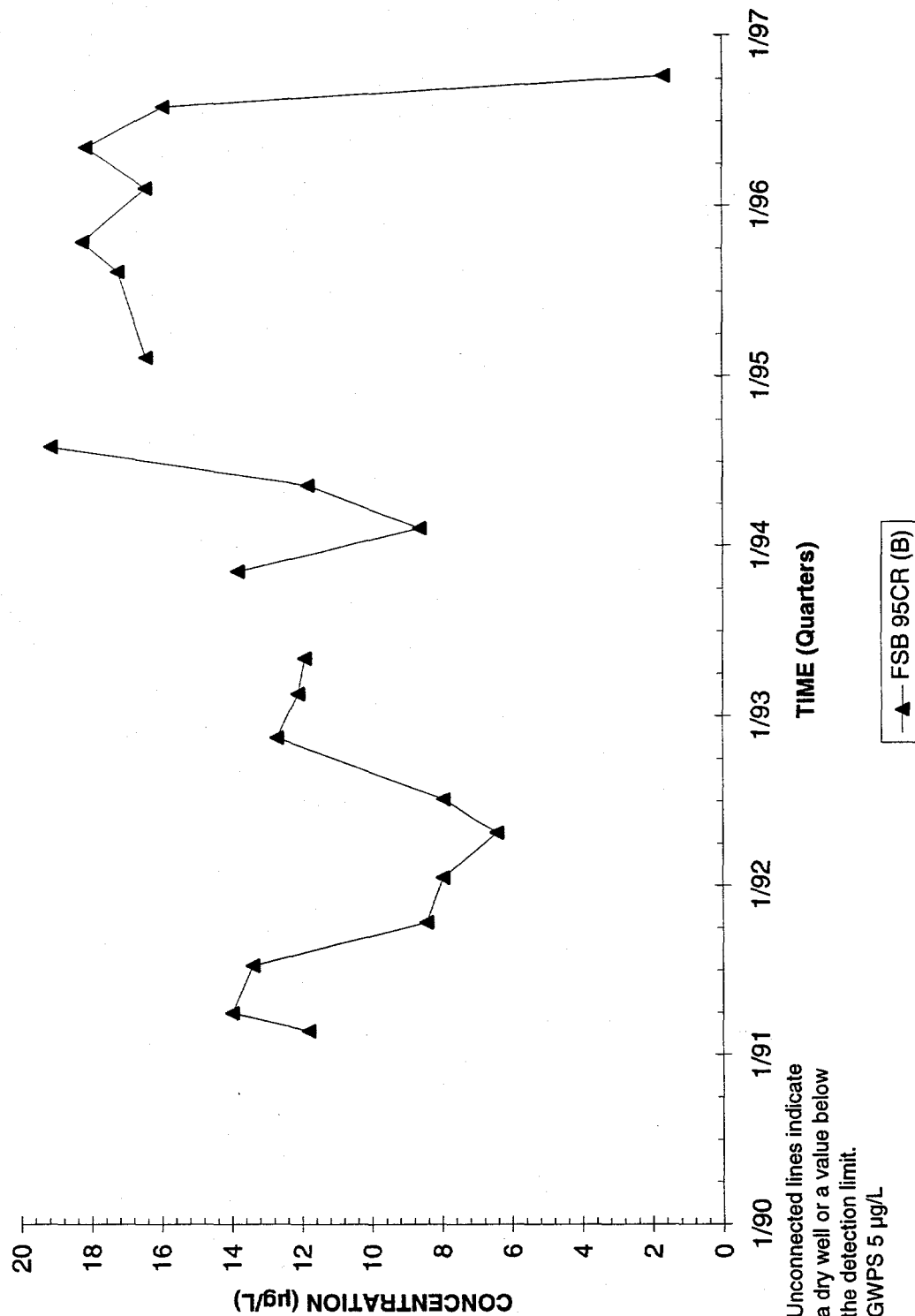
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Cadmium Concentrations Well FSB 93D



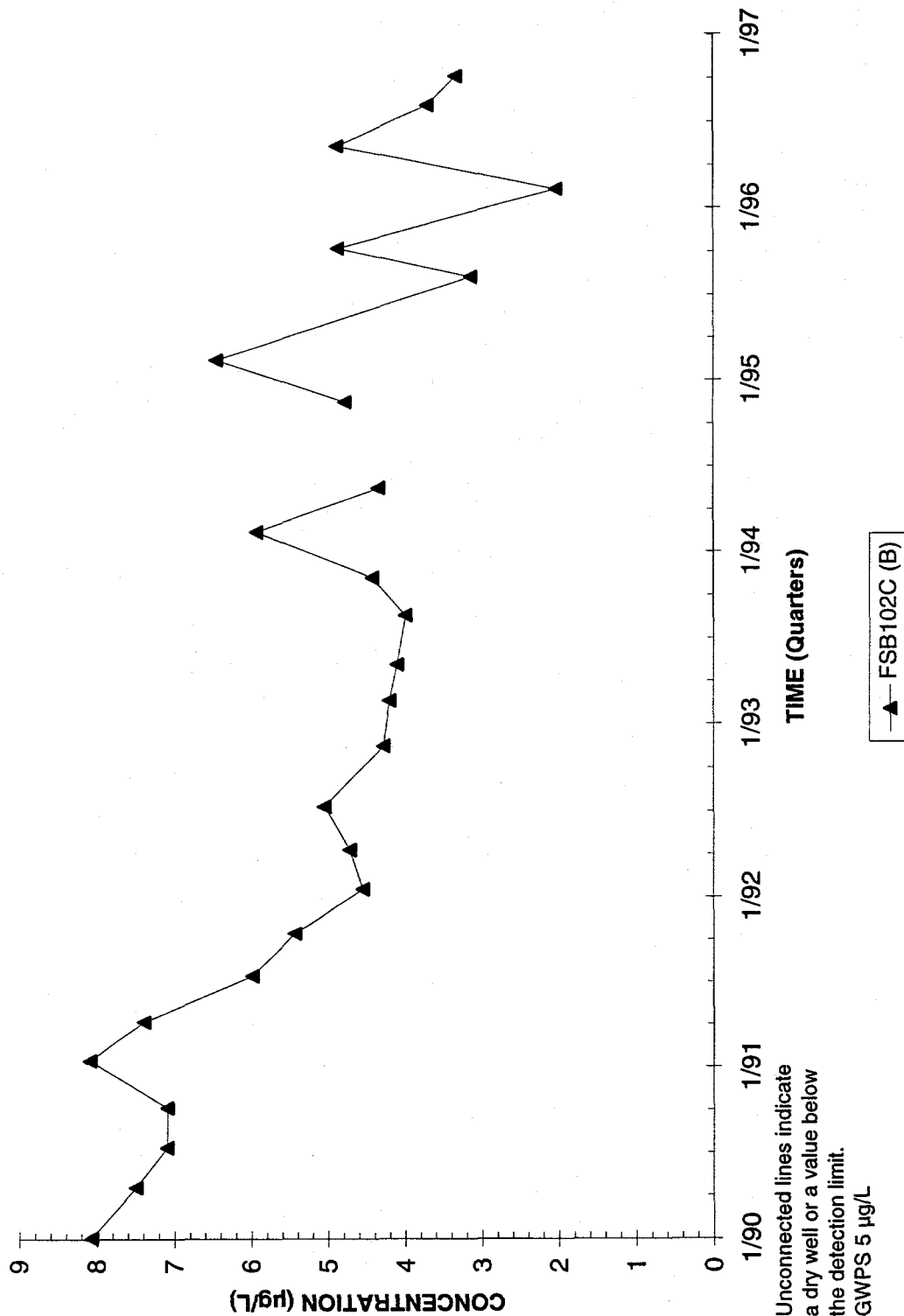
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Cadmium Concentrations Well FSB 95CR



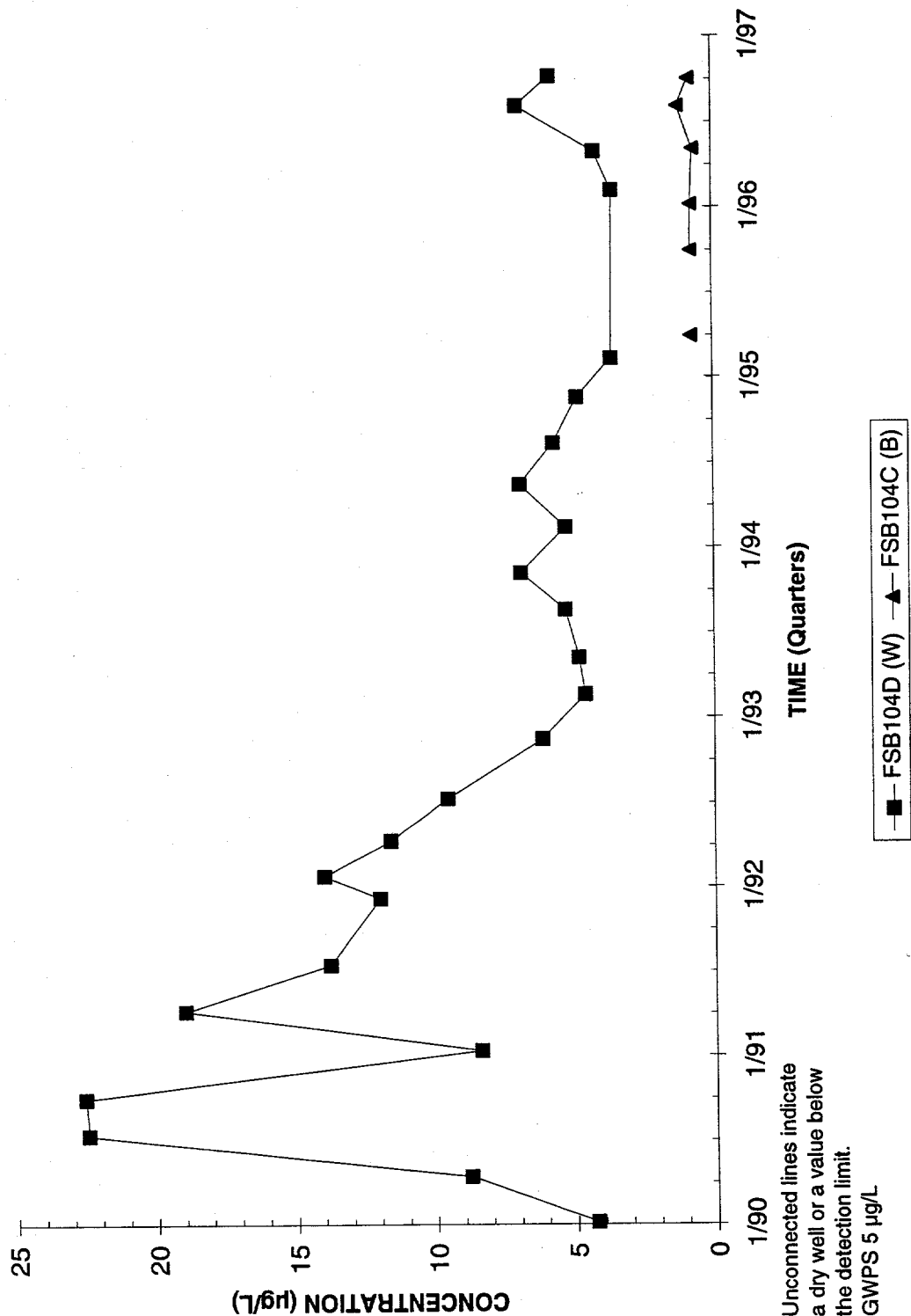
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Cadmium Concentrations Well FSB102C



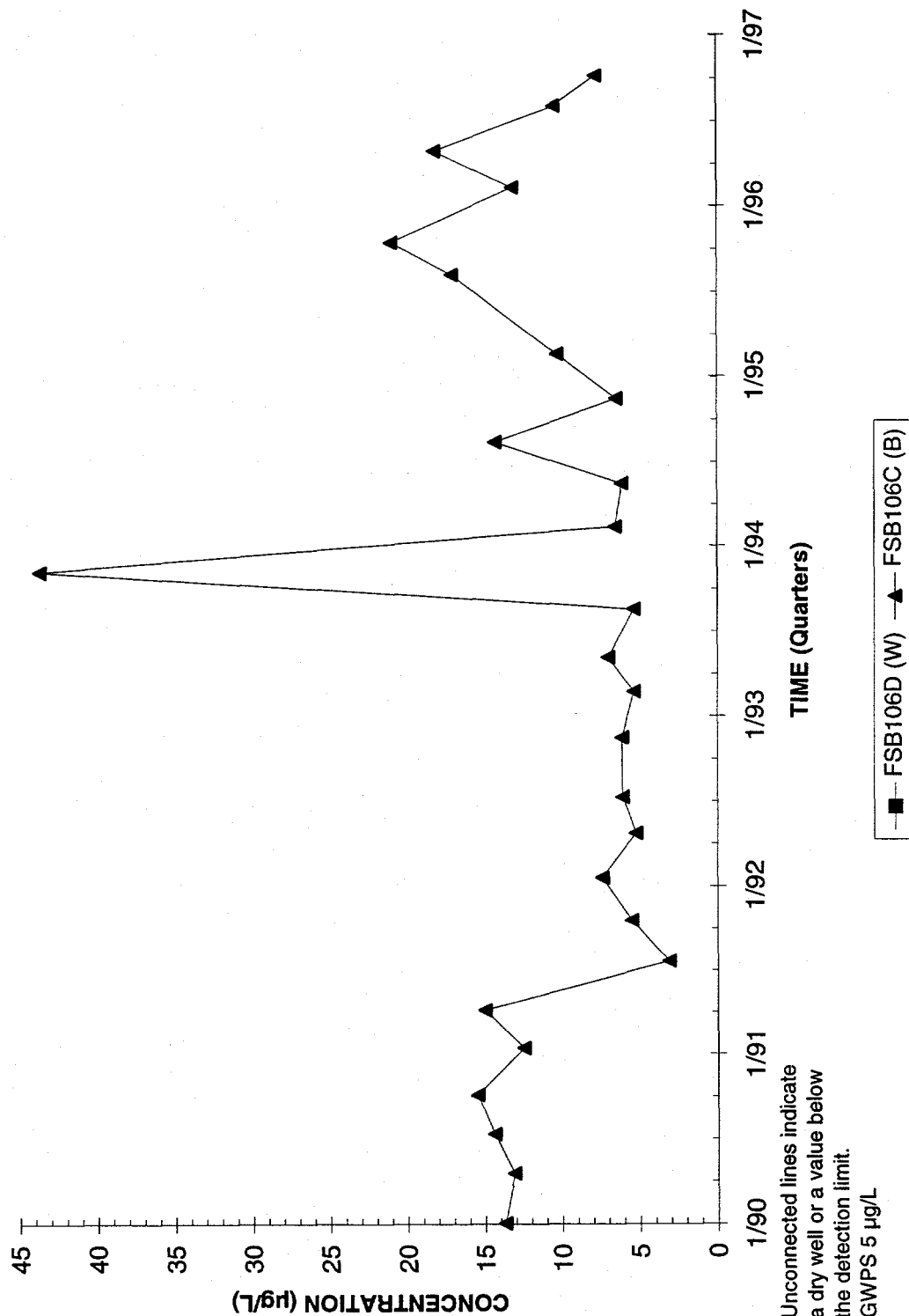
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Cadmium Concentrations Well Cluster FSB104



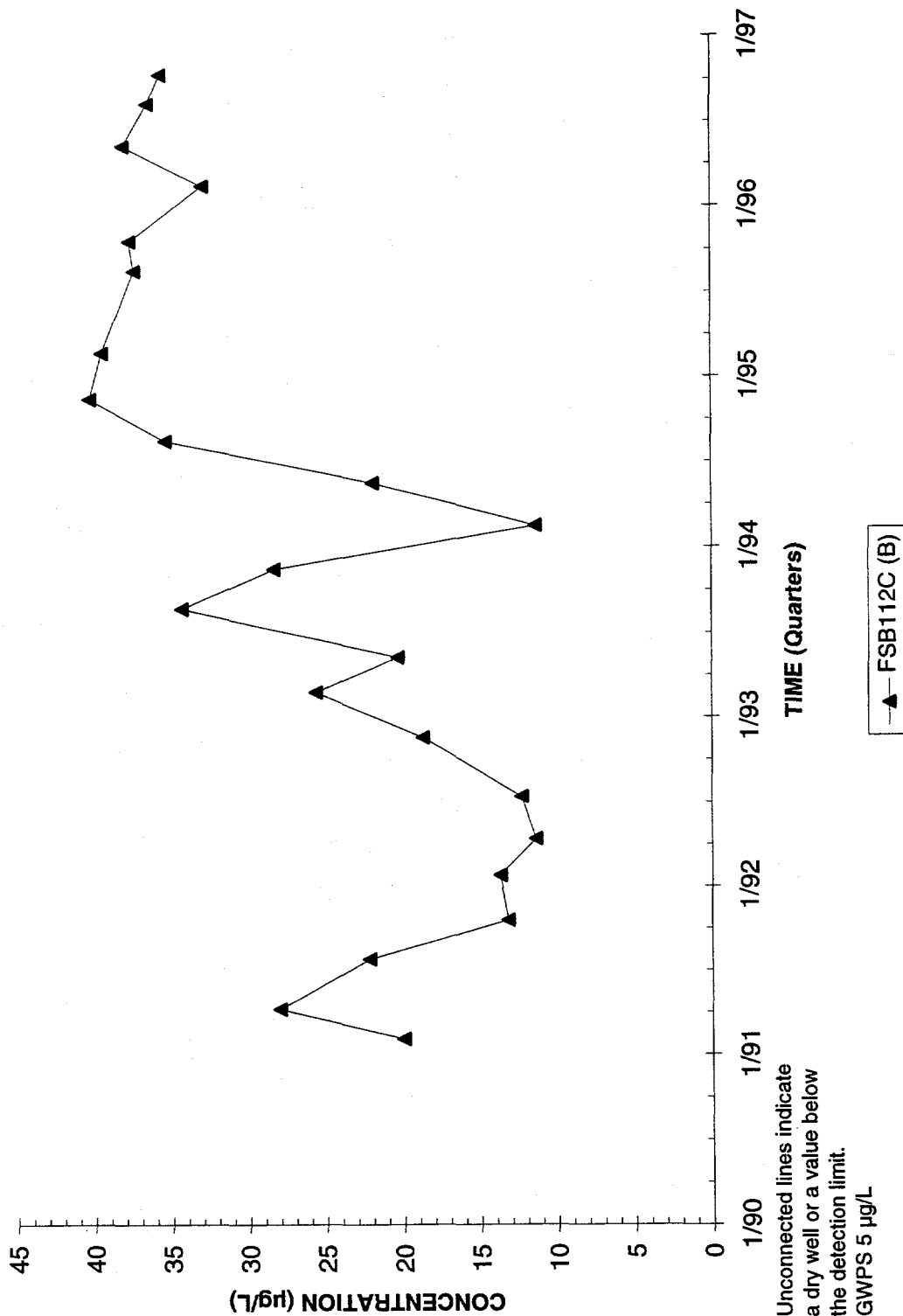
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Cadmium Concentrations Well Cluster FSB106



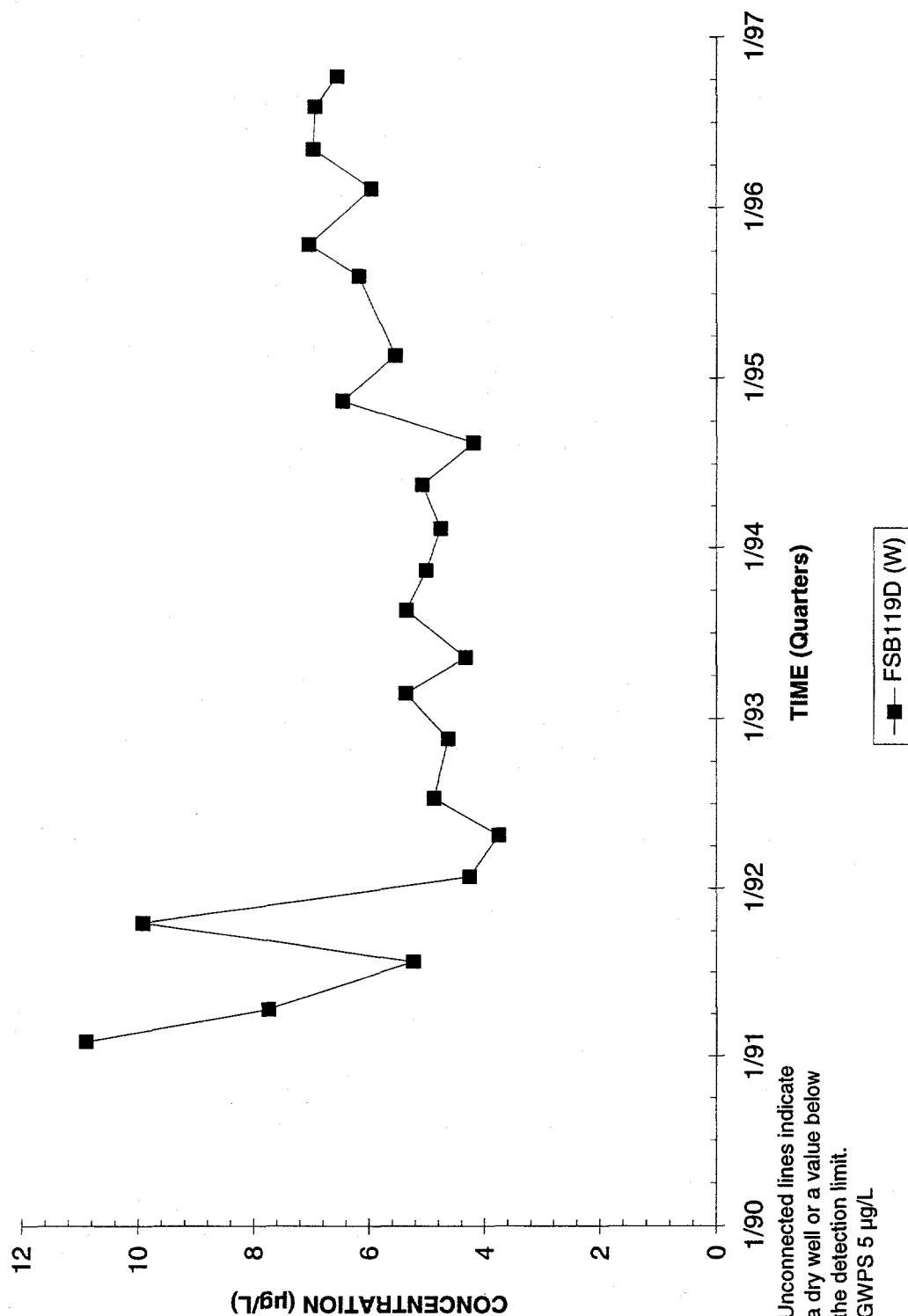
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Cadmium Concentrations Well FSB112C



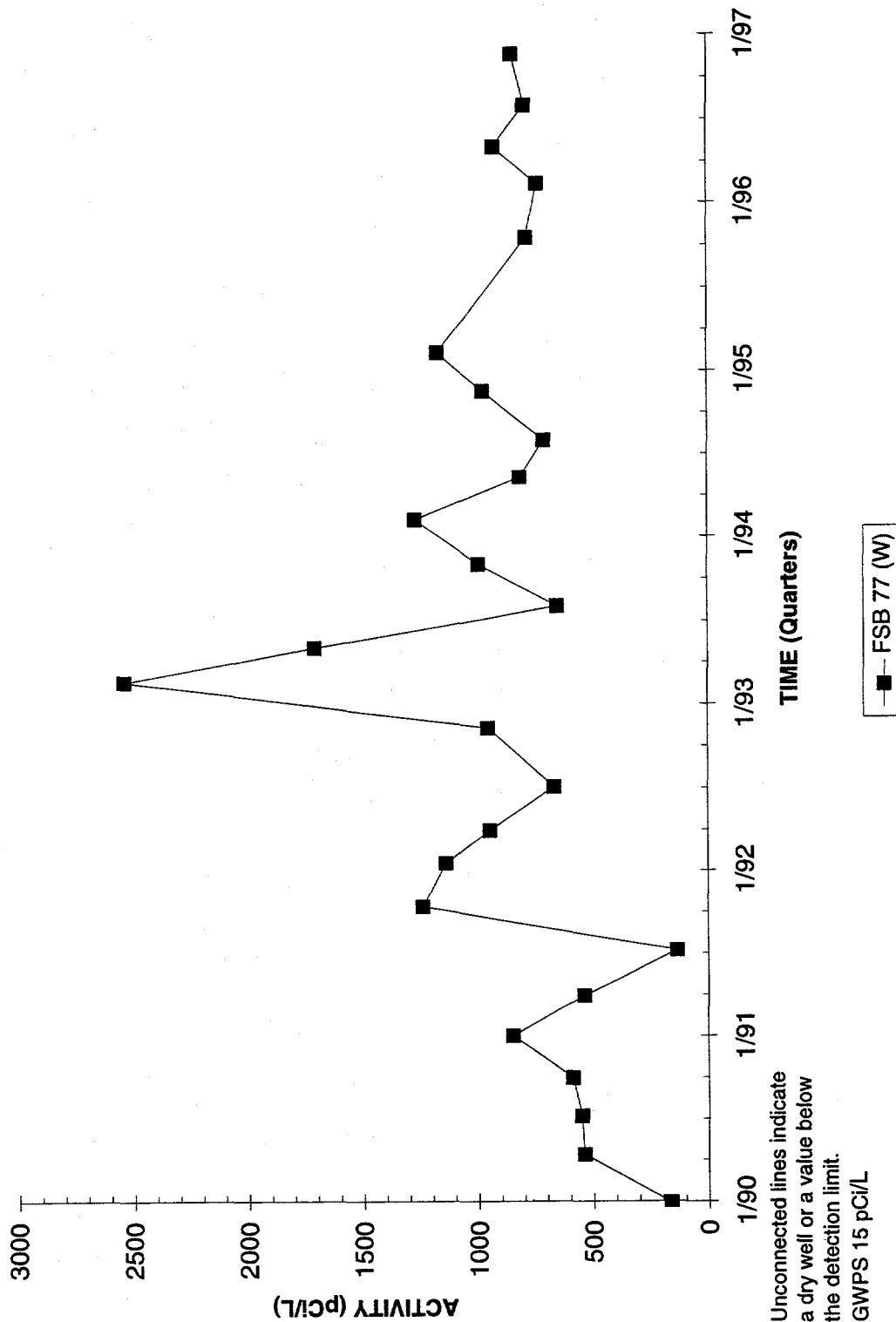
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Cadmium Concentrations Well FSB119D



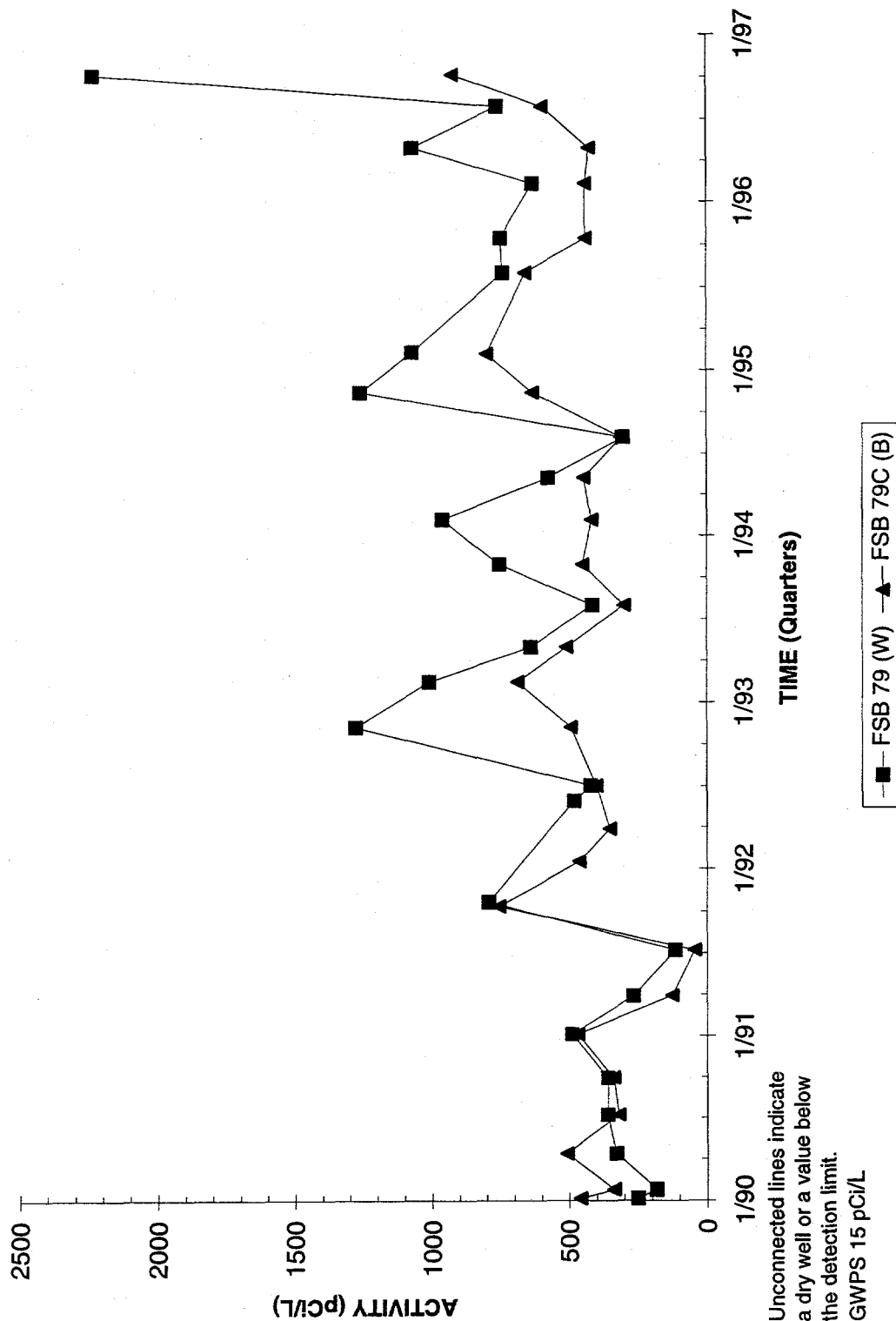
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well FSB 77



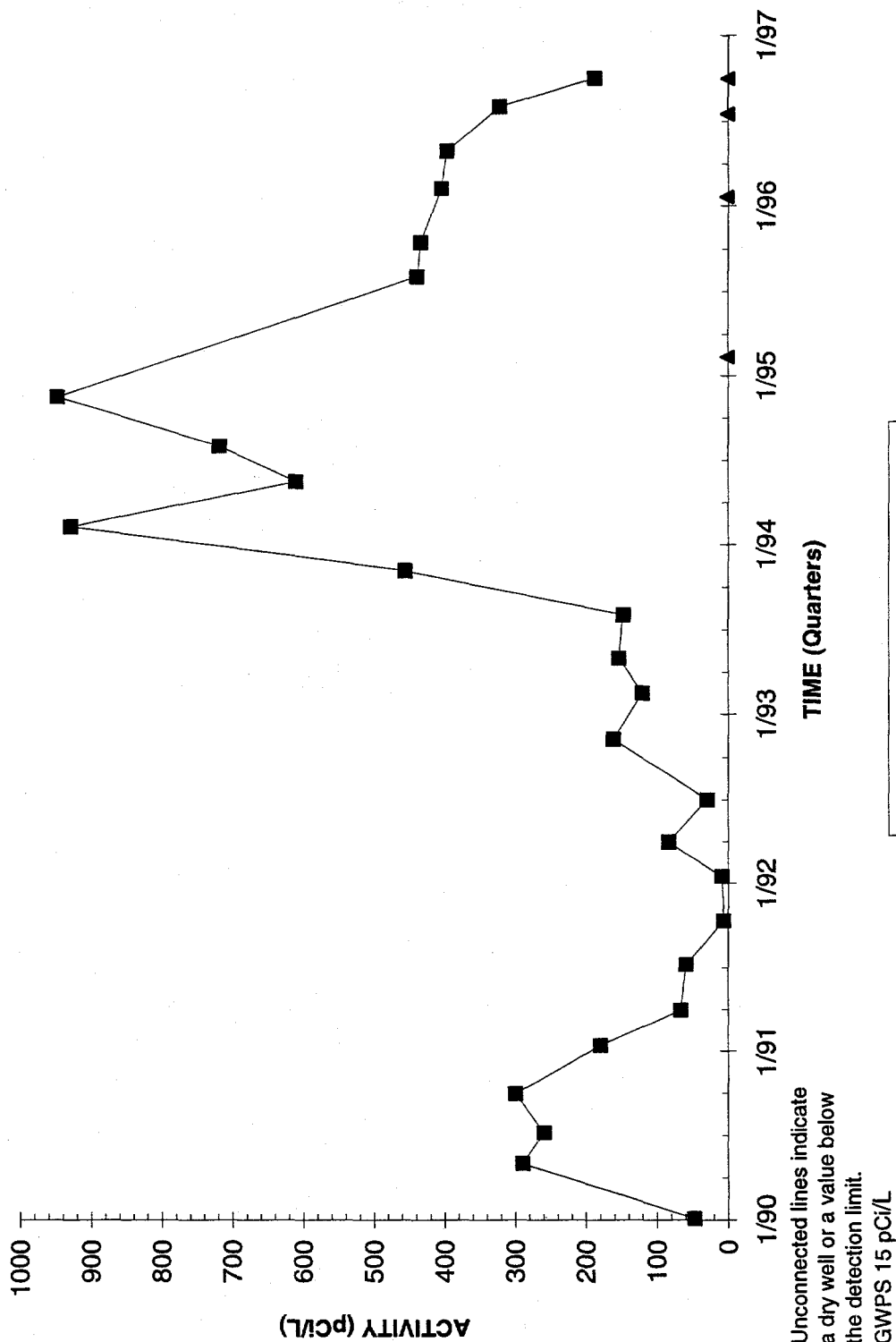
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster FSB 79



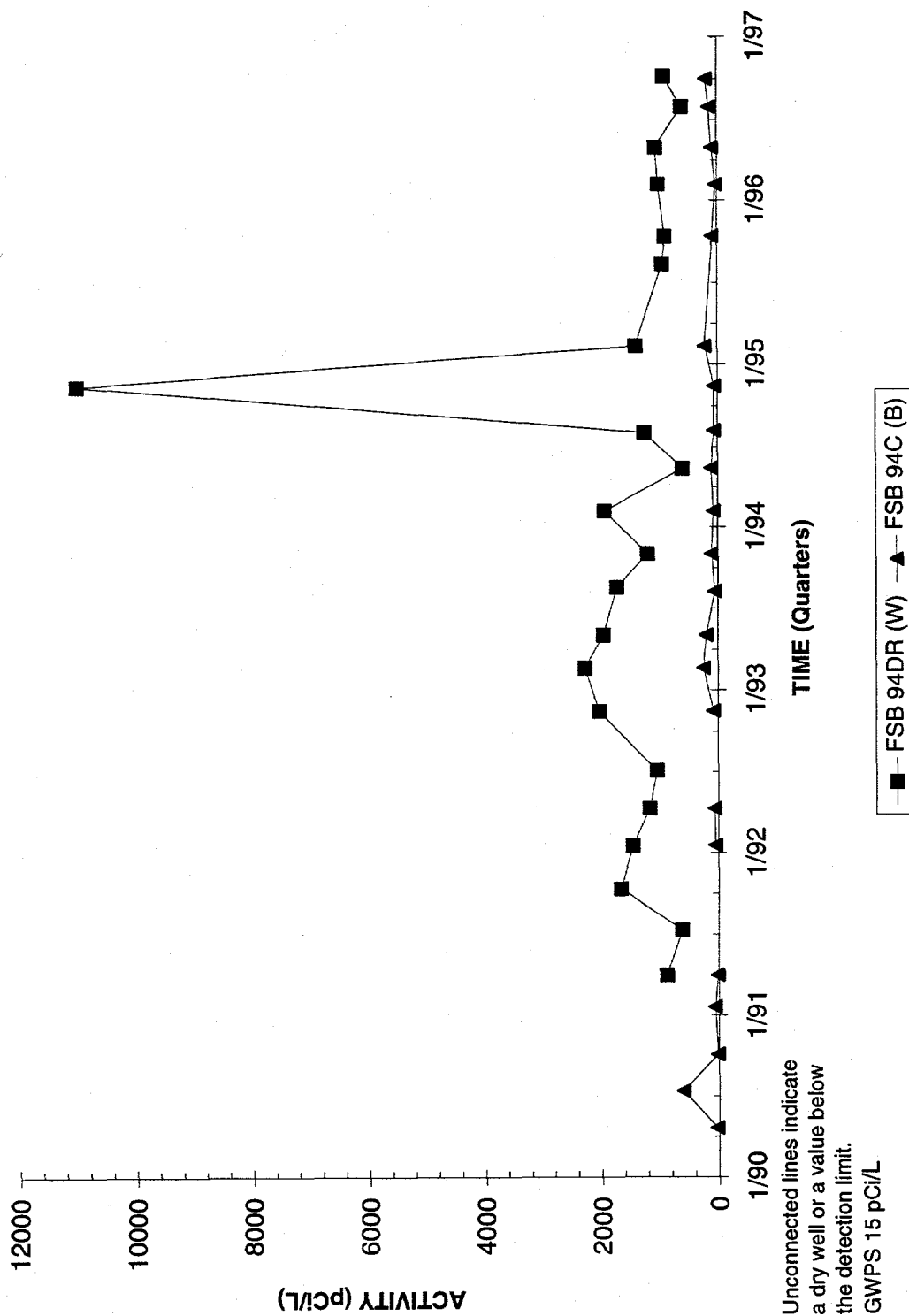
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster FSB 88



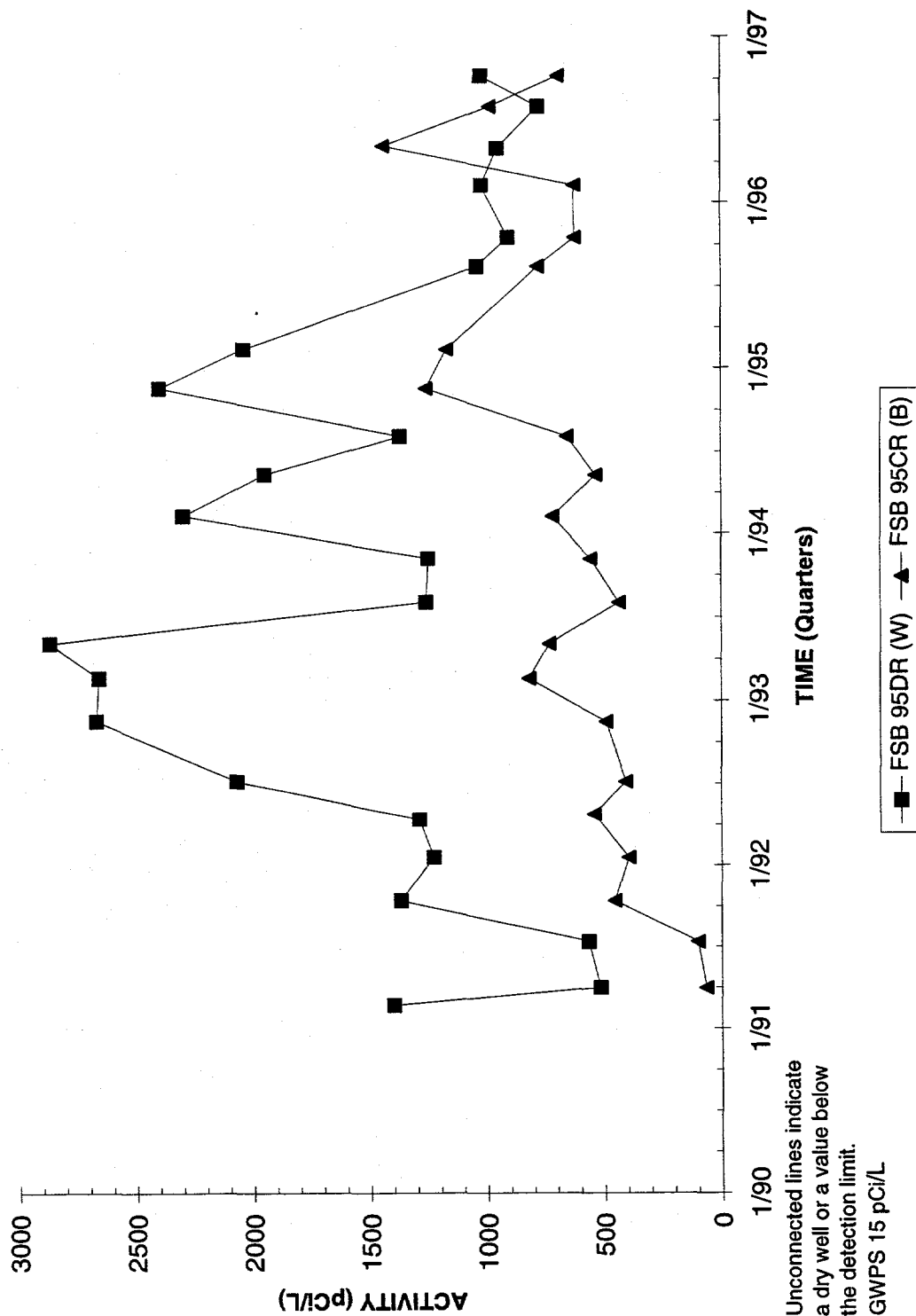
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster FSB 94



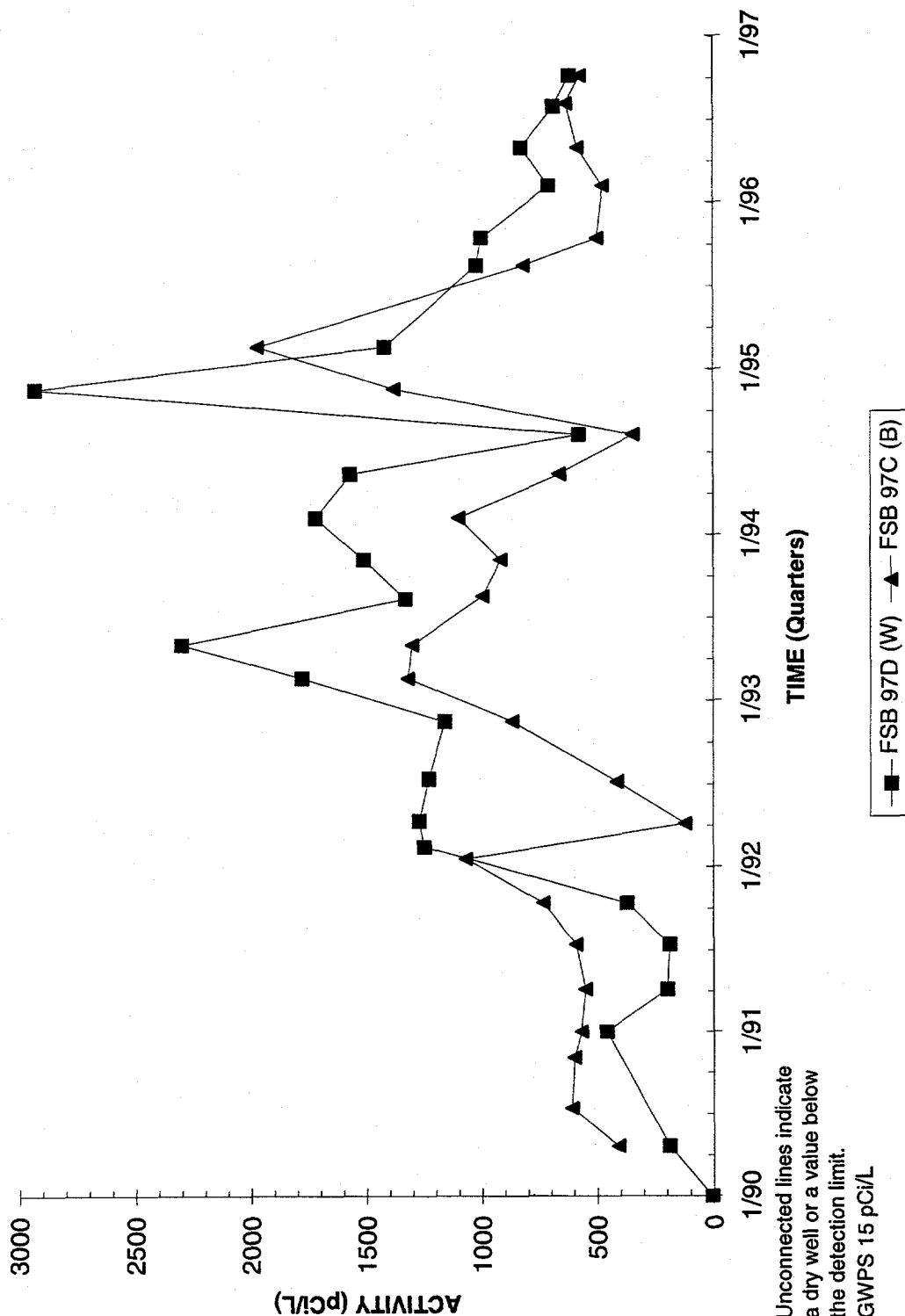
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster FSB 95



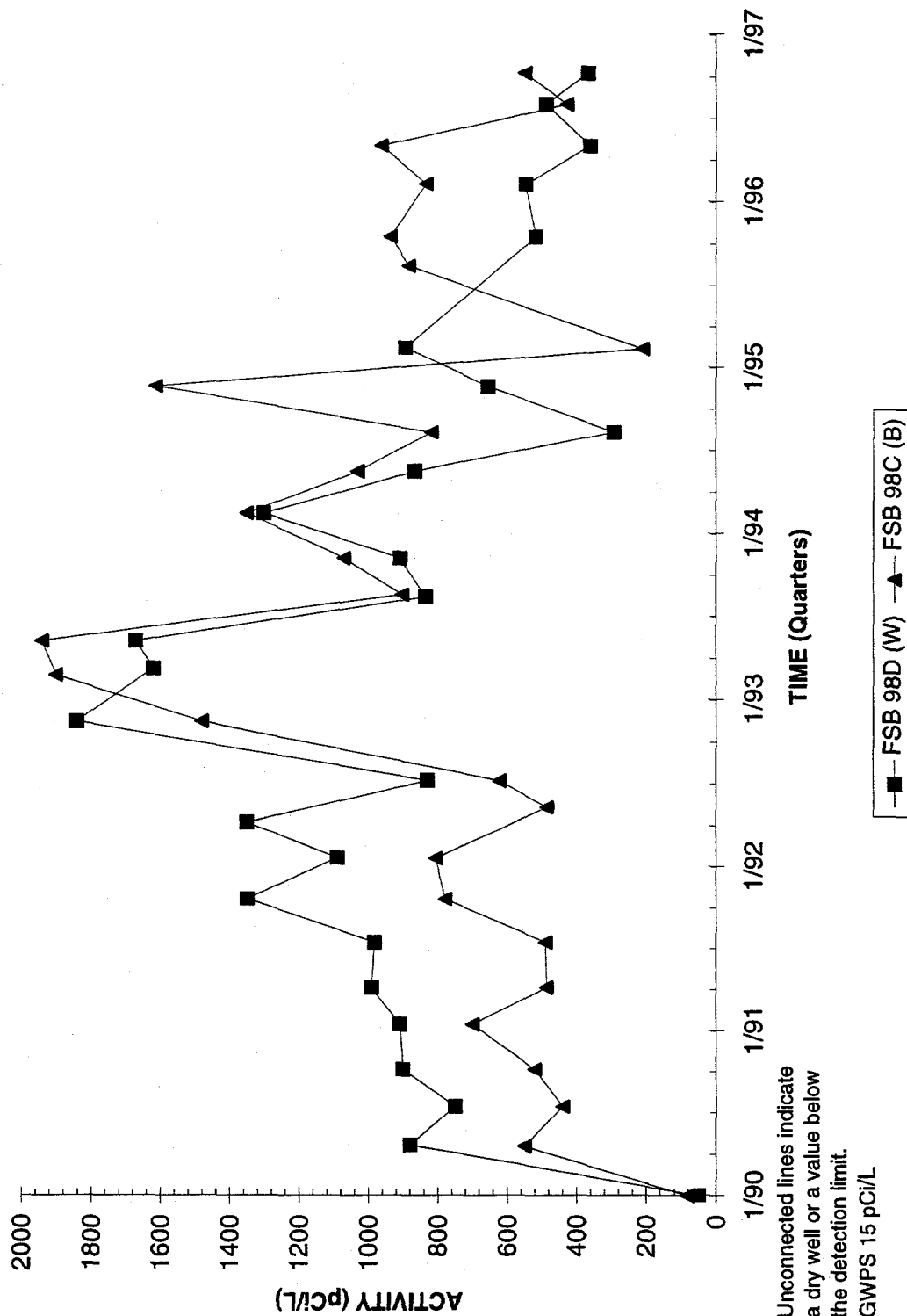
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster FSB 97



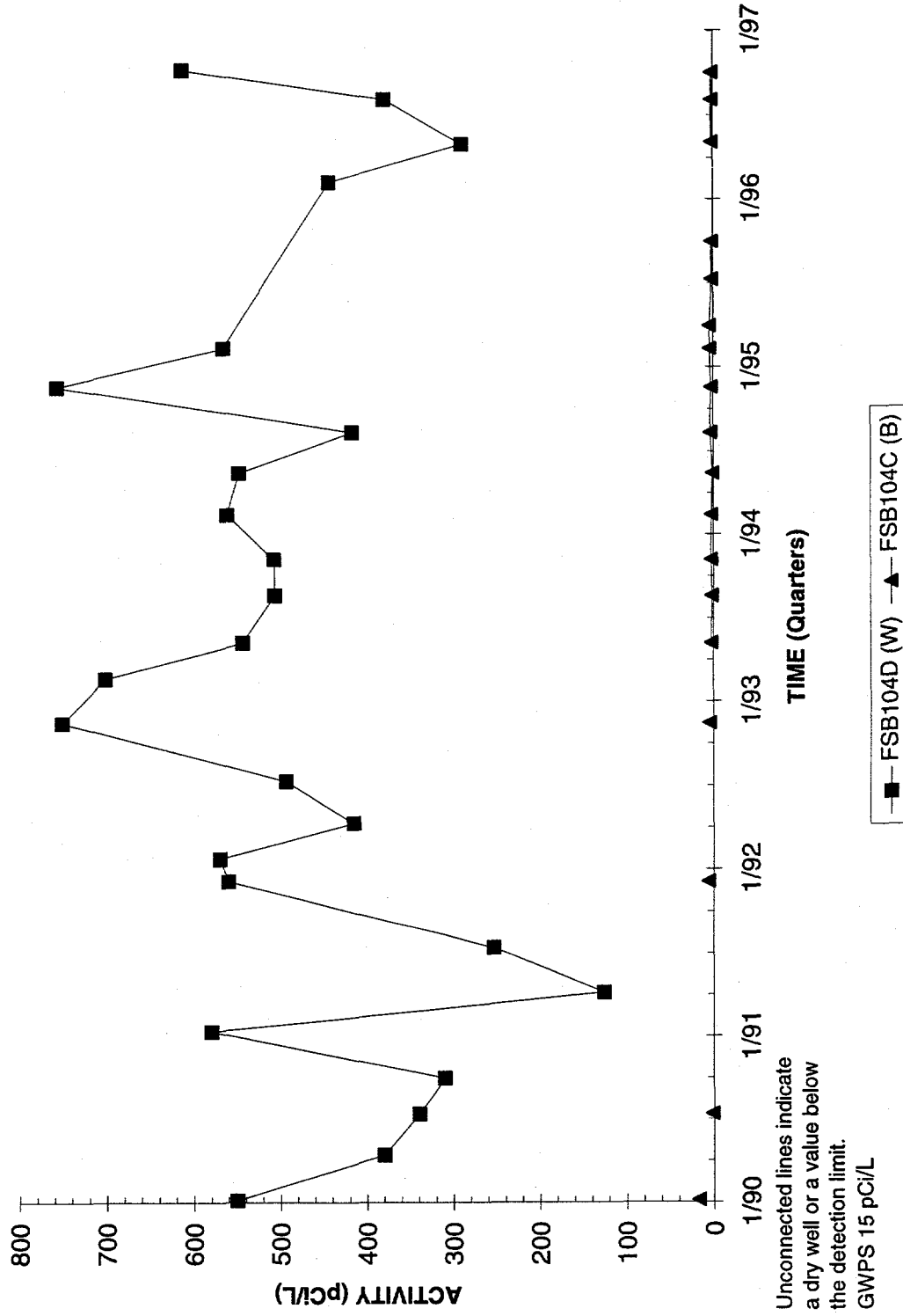
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster FSB 98



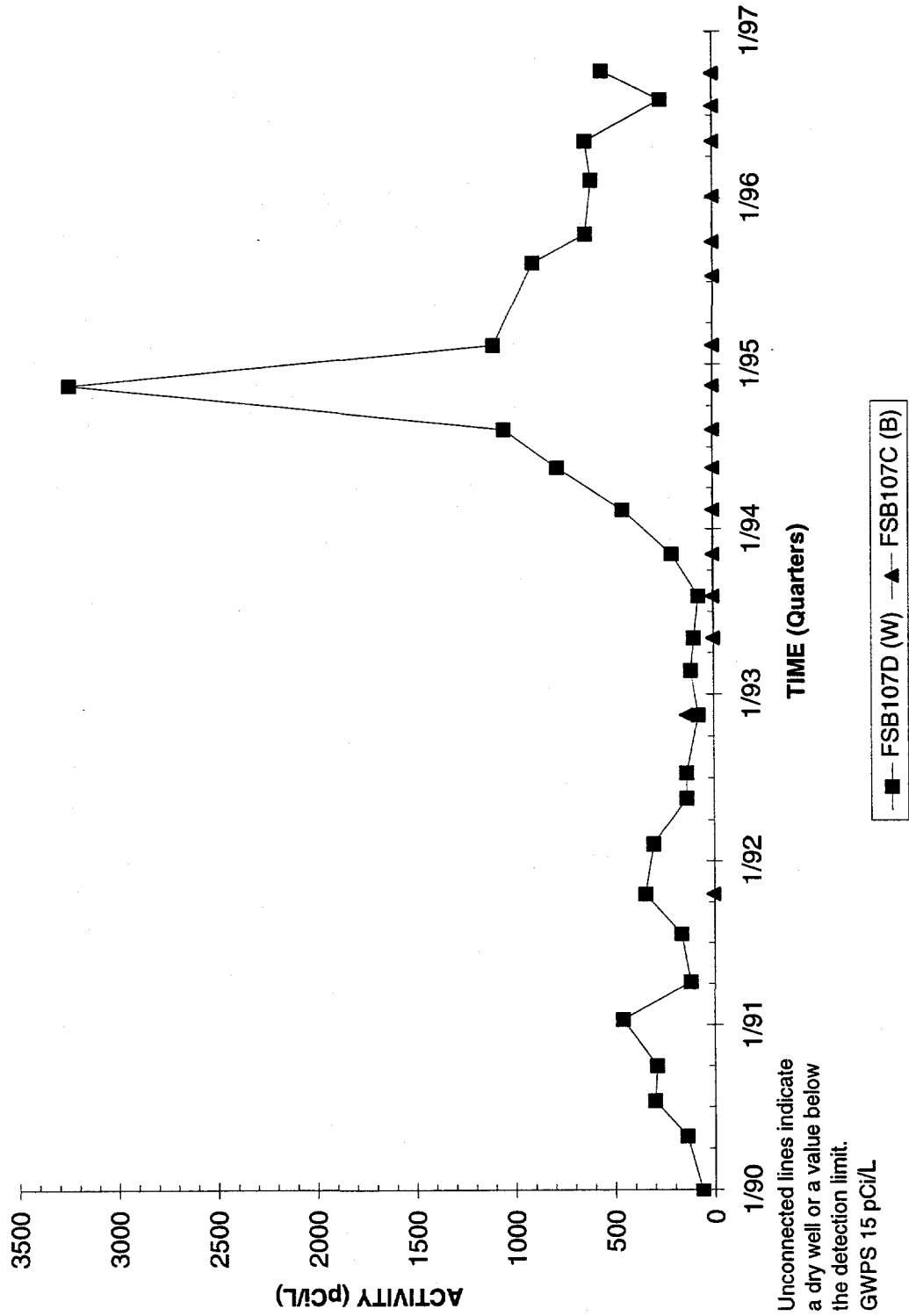
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster FSB104



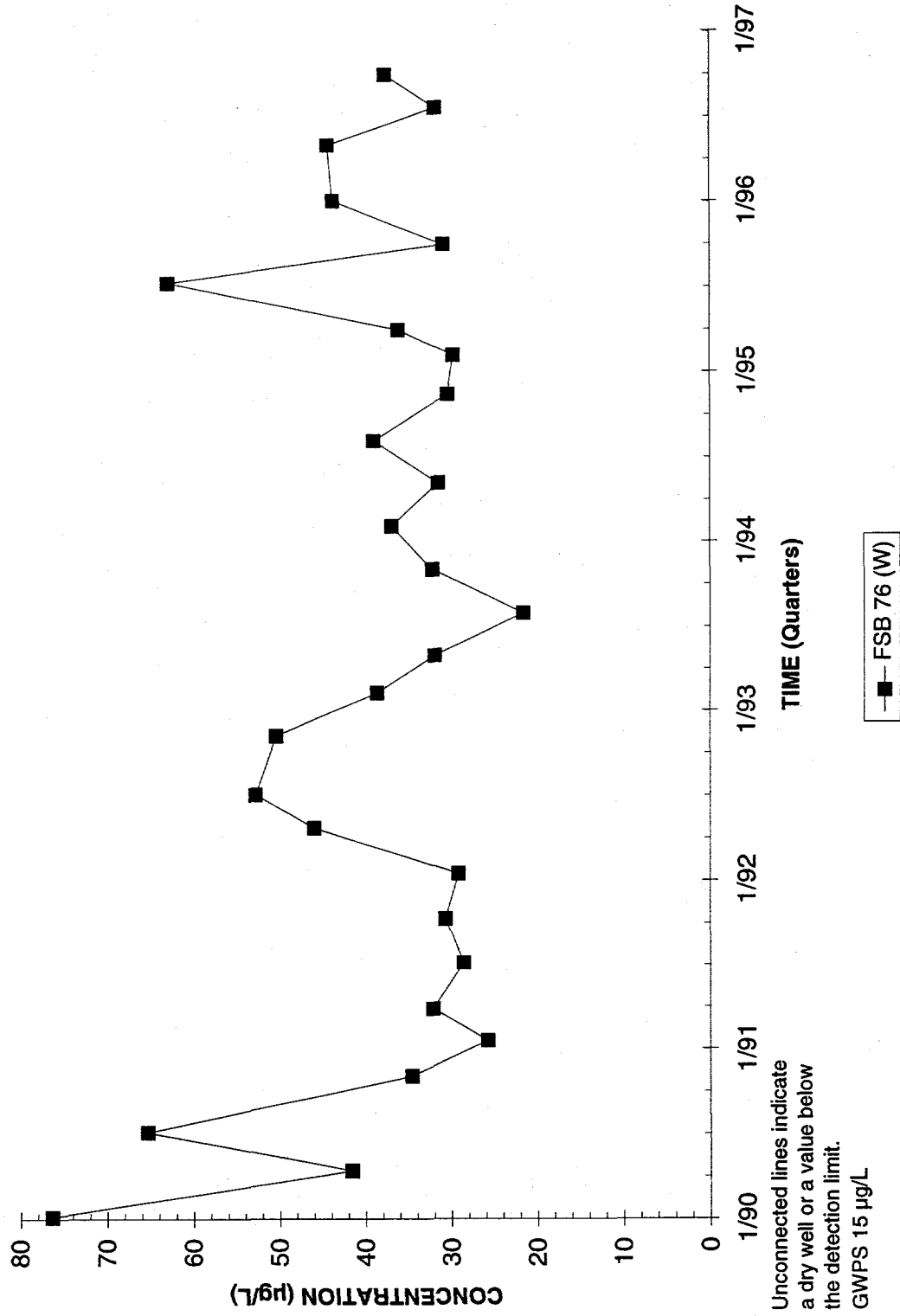
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster FSB107



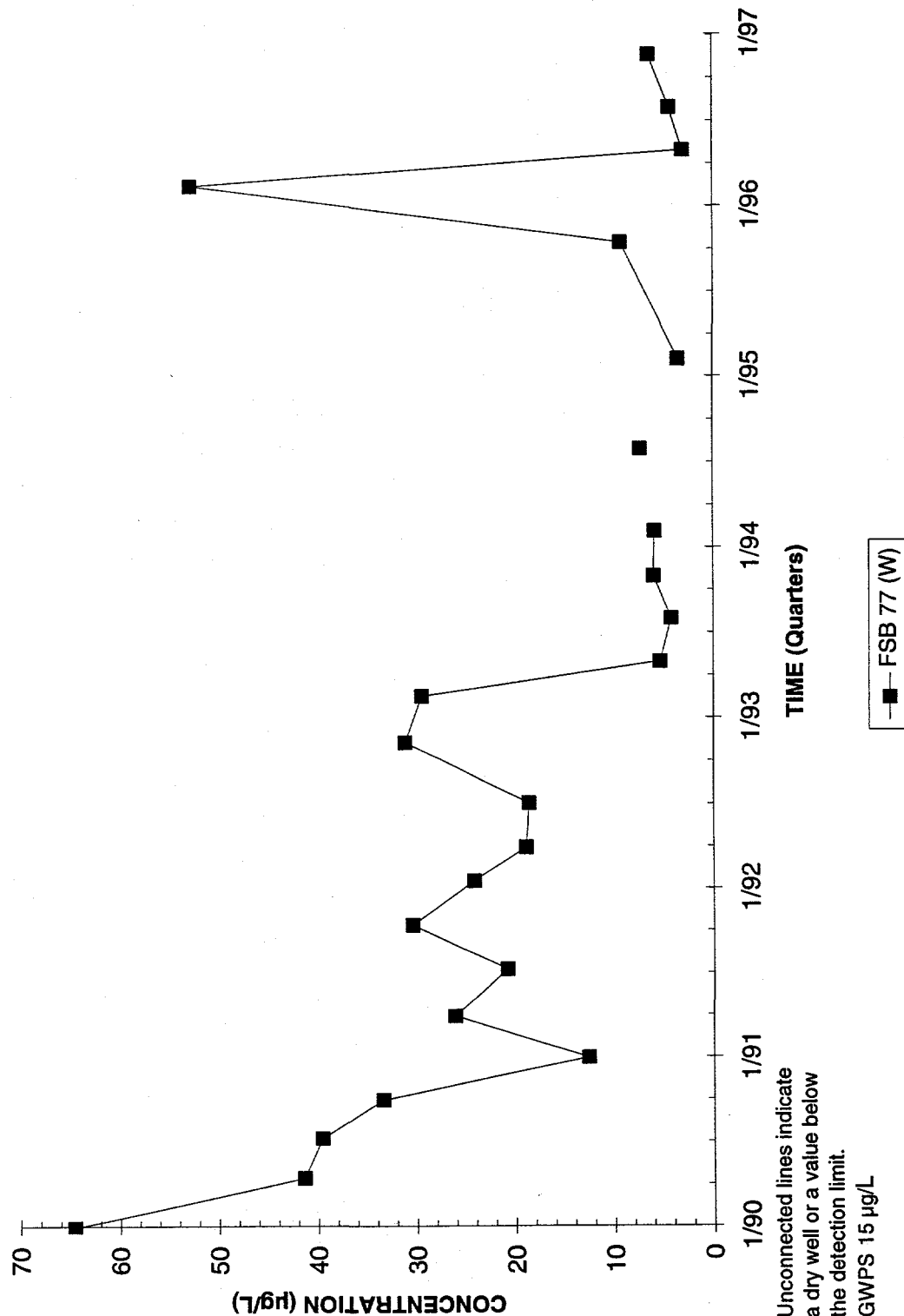
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Lead Concentrations Well FSB 76



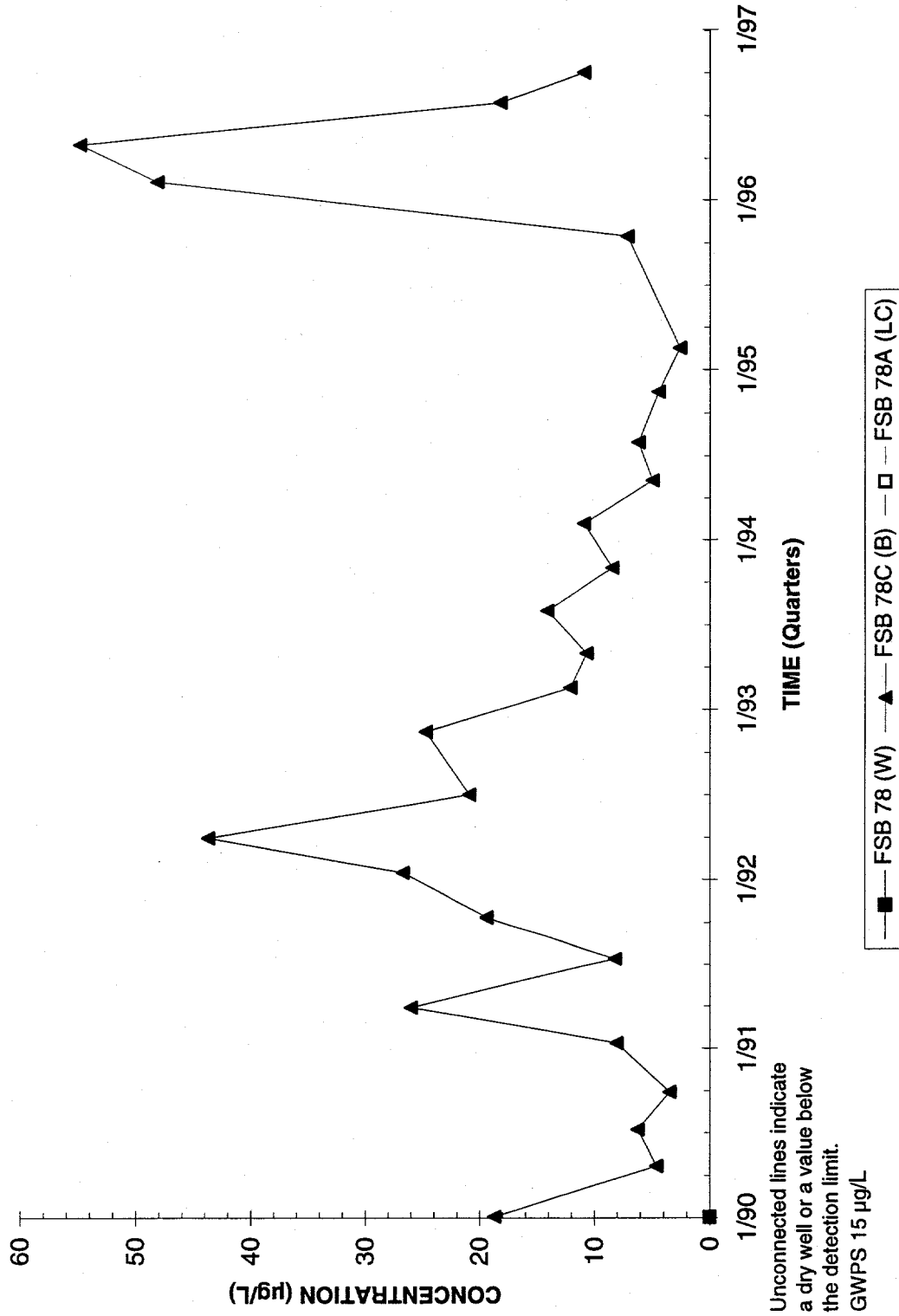
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Lead Concentrations Well FSB 77



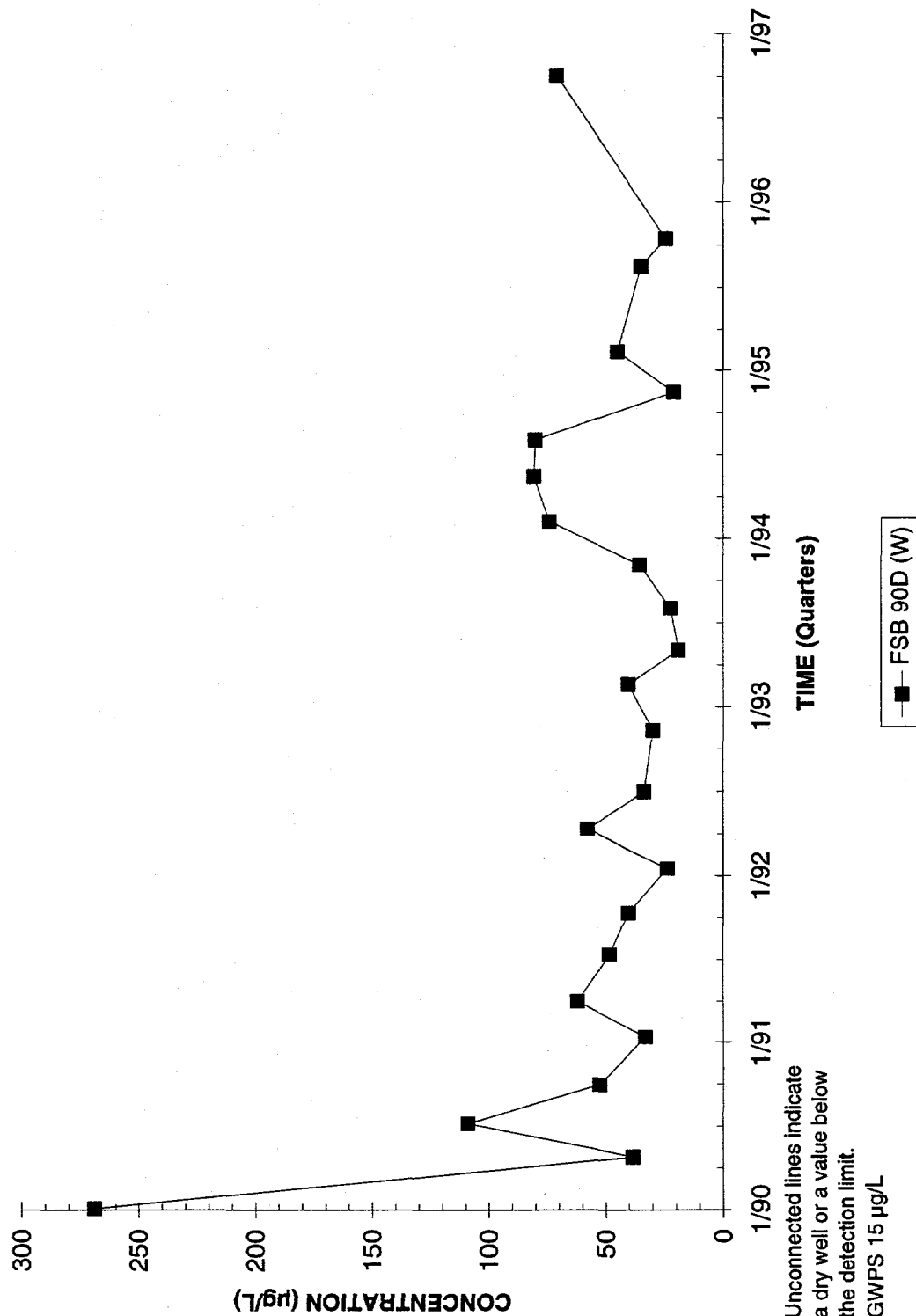
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Lead Concentrations Well Cluster FSB 78



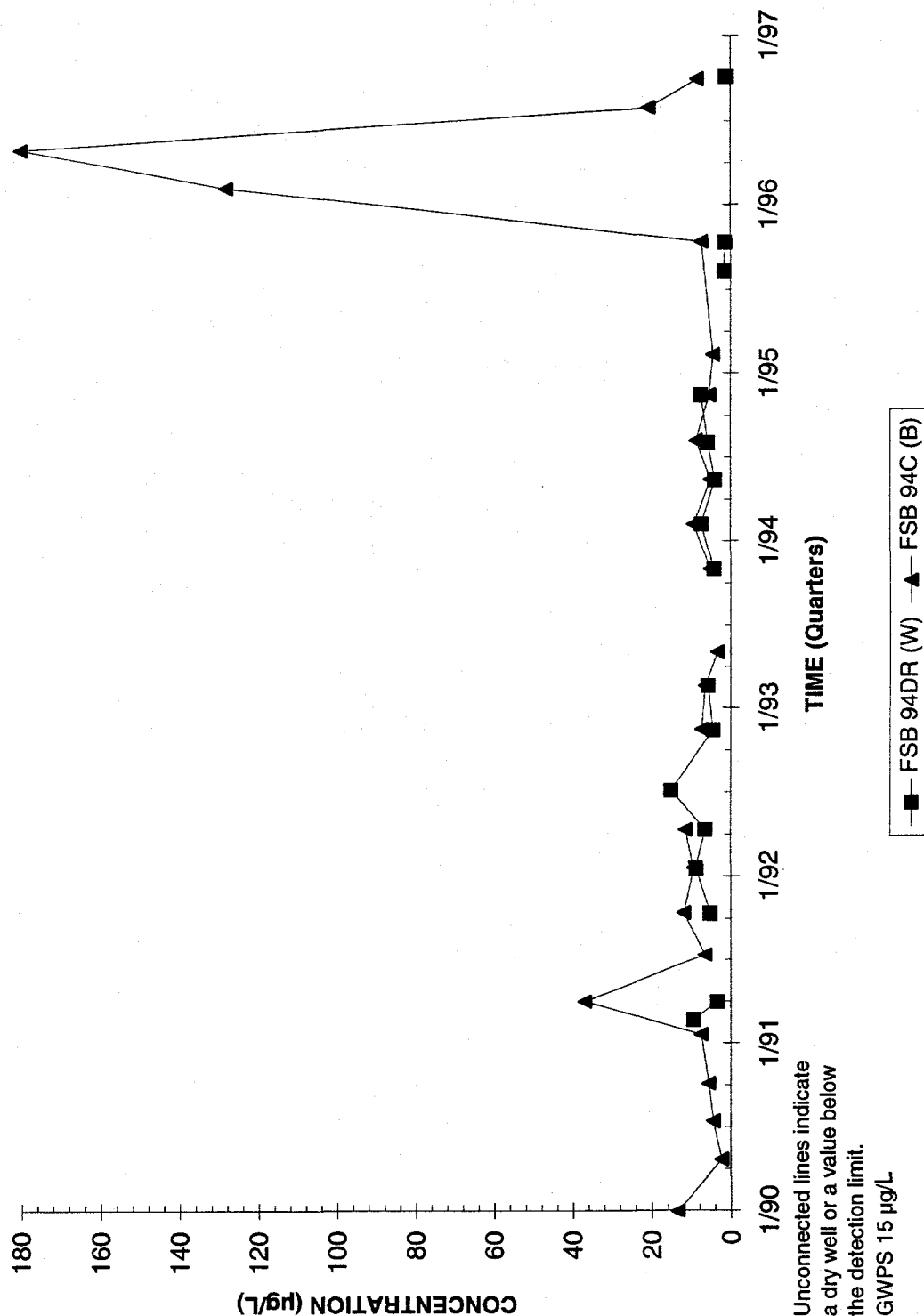
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Lead Concentrations Well FSB 90D



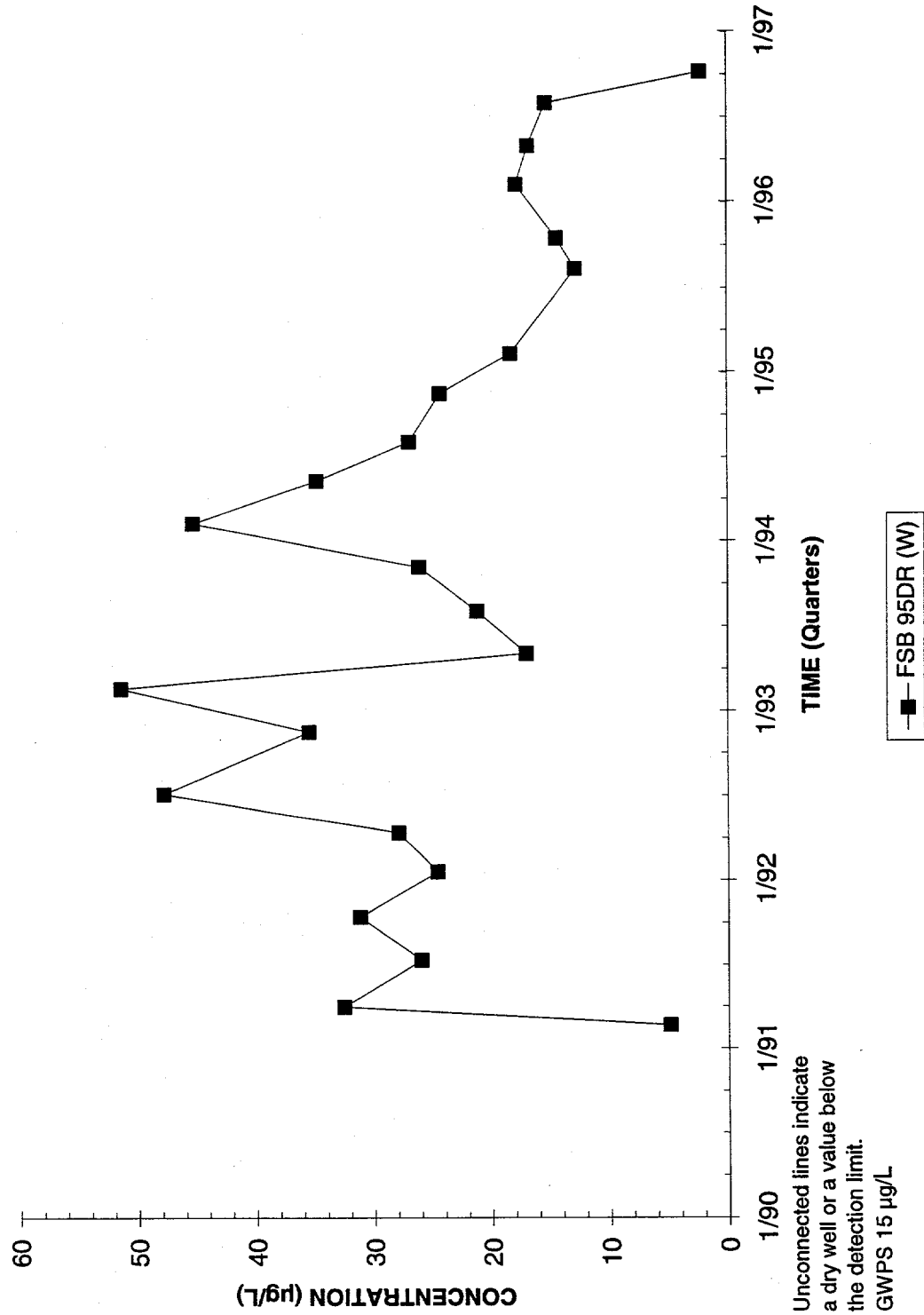
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Lead Concentrations Well Cluster FSB 94



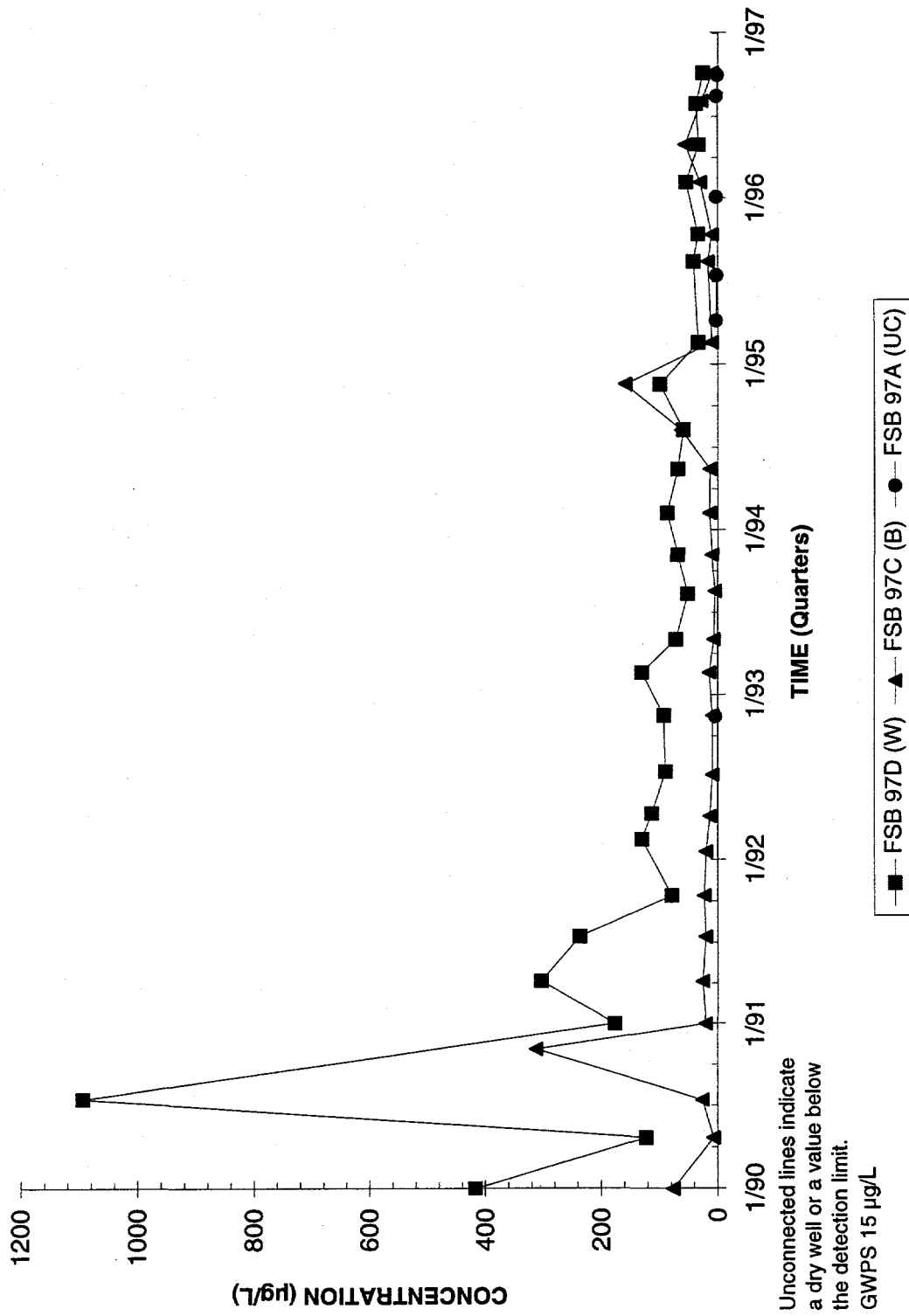
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Lead Concentrations Well FSB 95DR



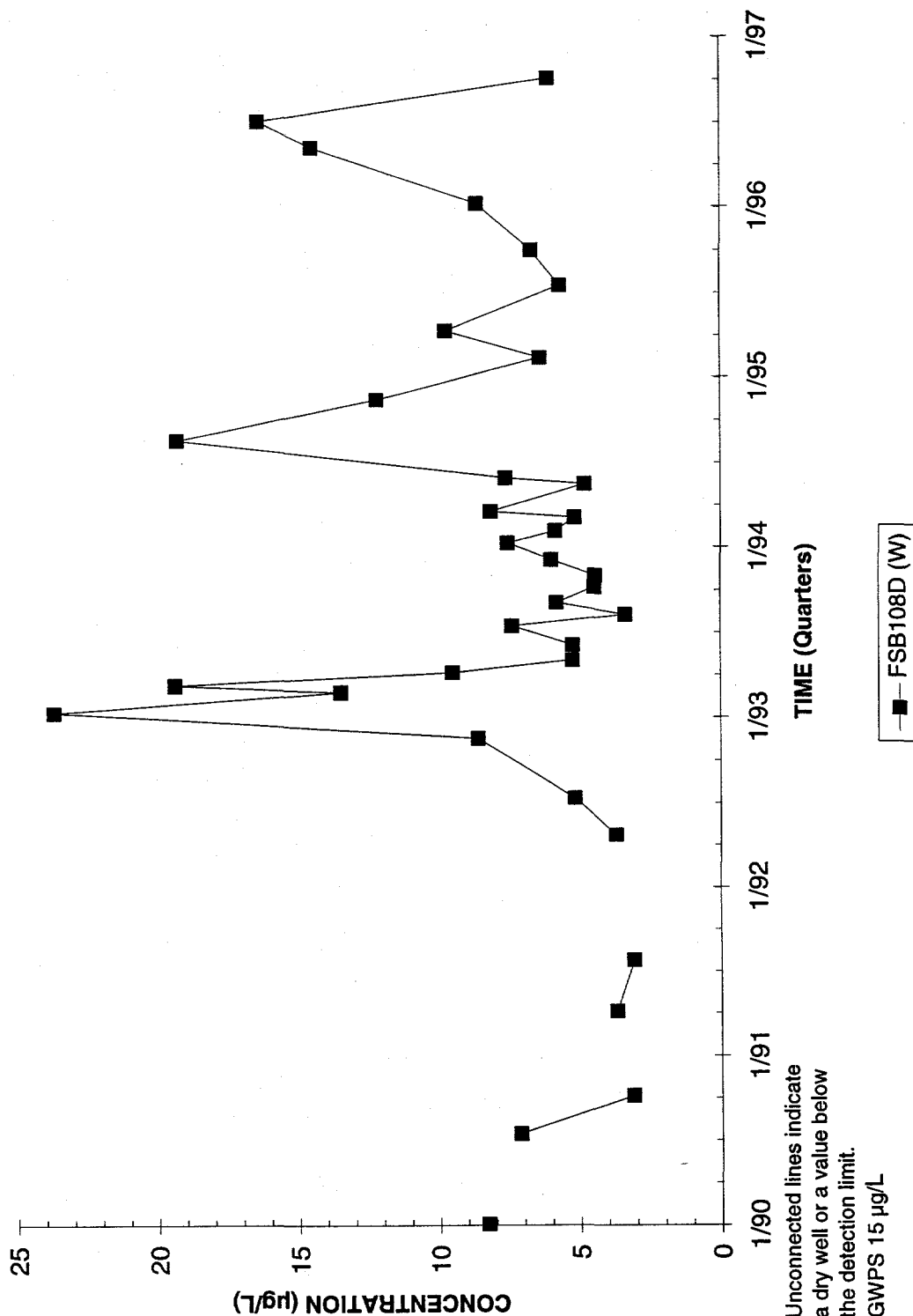
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Lead Concentrations Well Cluster FSB 97



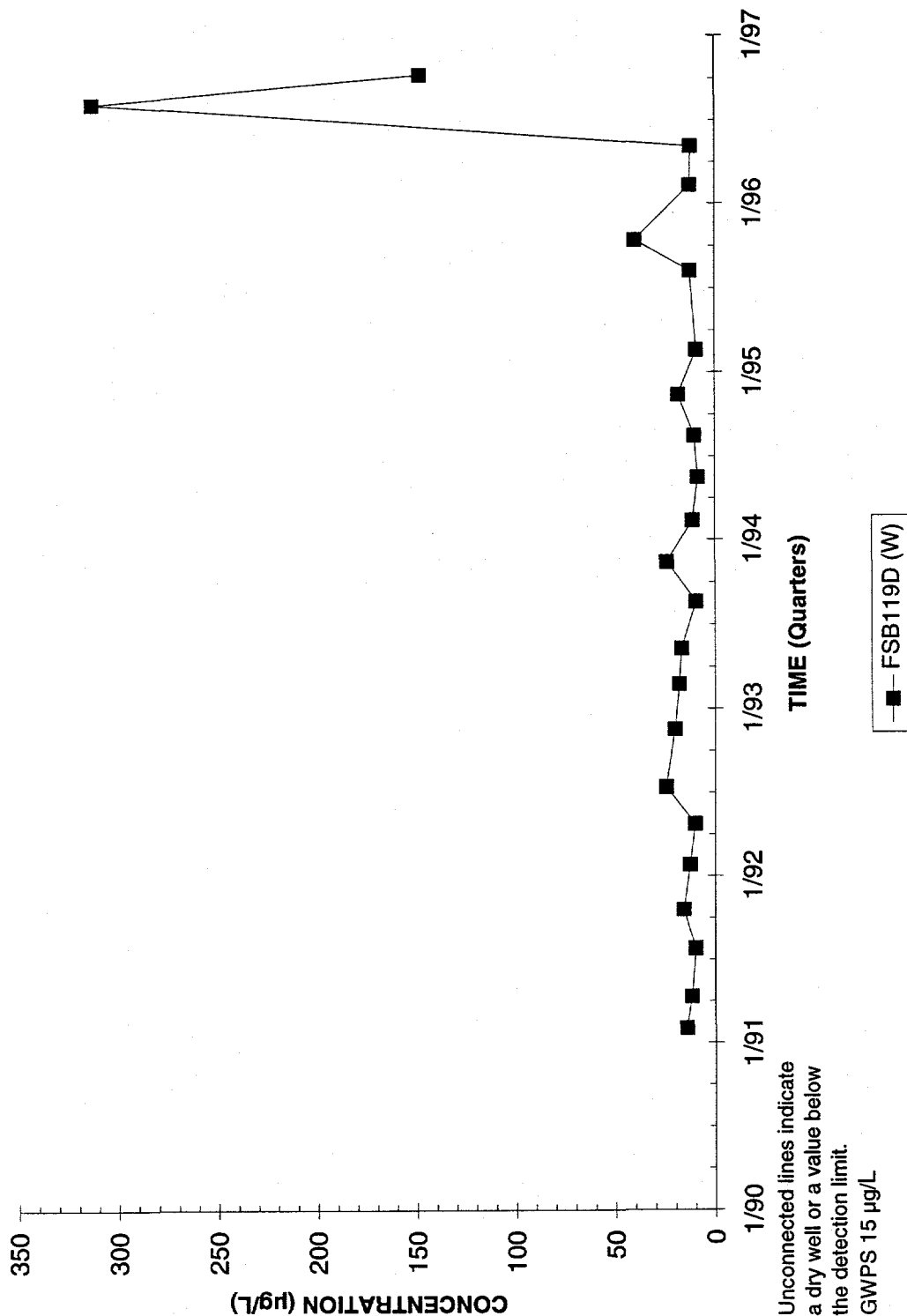
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Lead Concentrations Well FSB108D



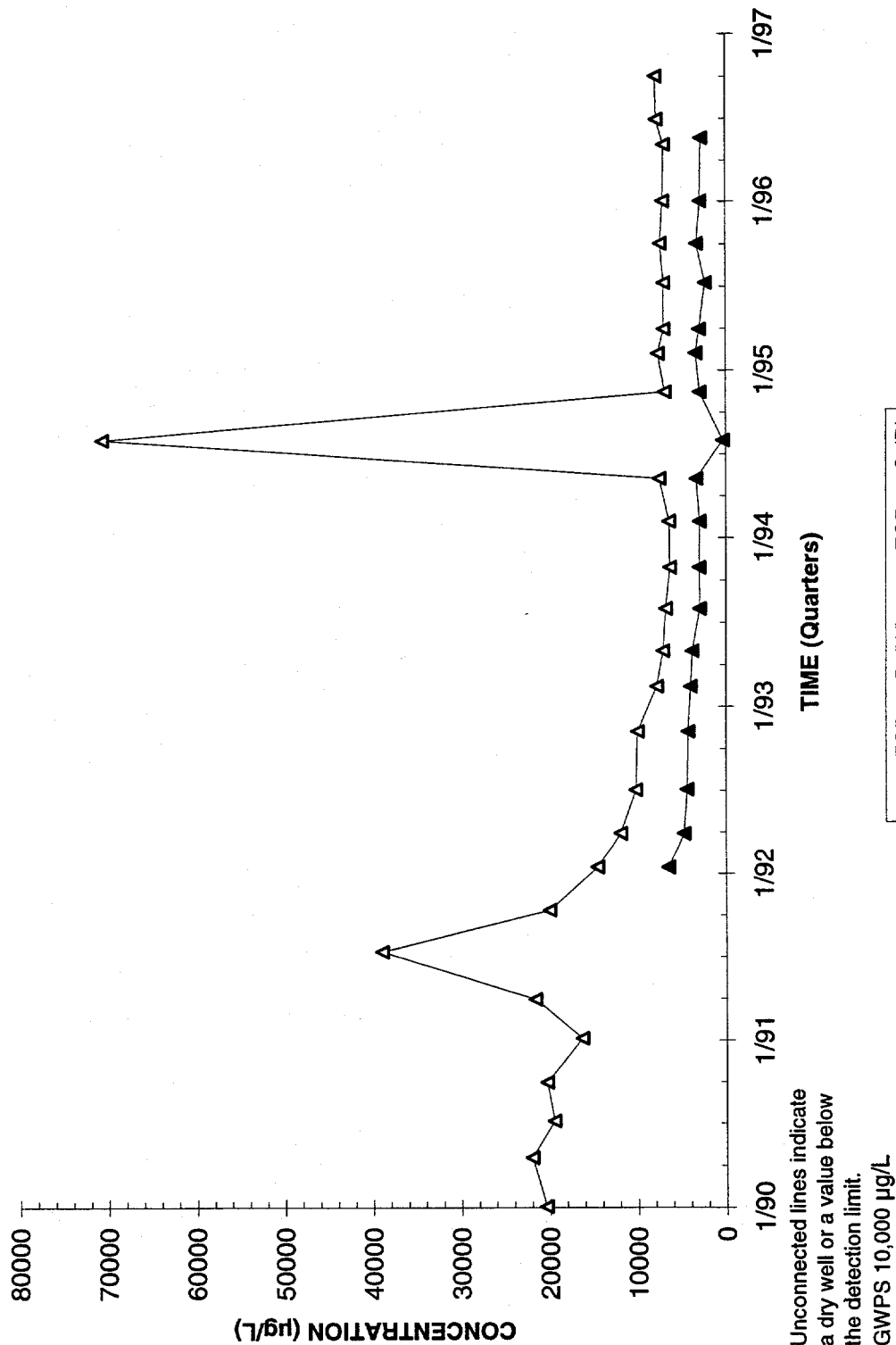
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Lead Concentrations Well FSB119D



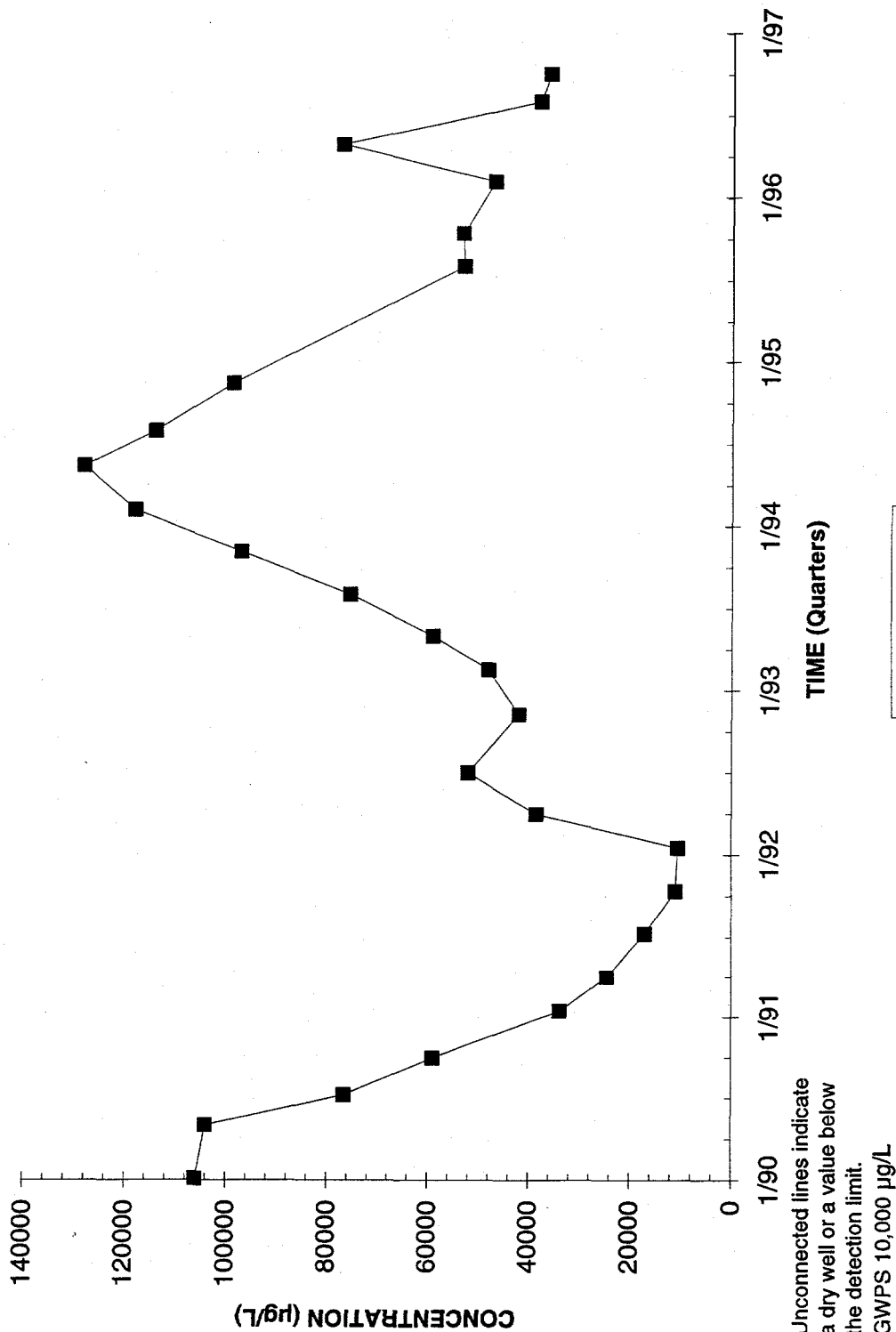
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster FSB 87



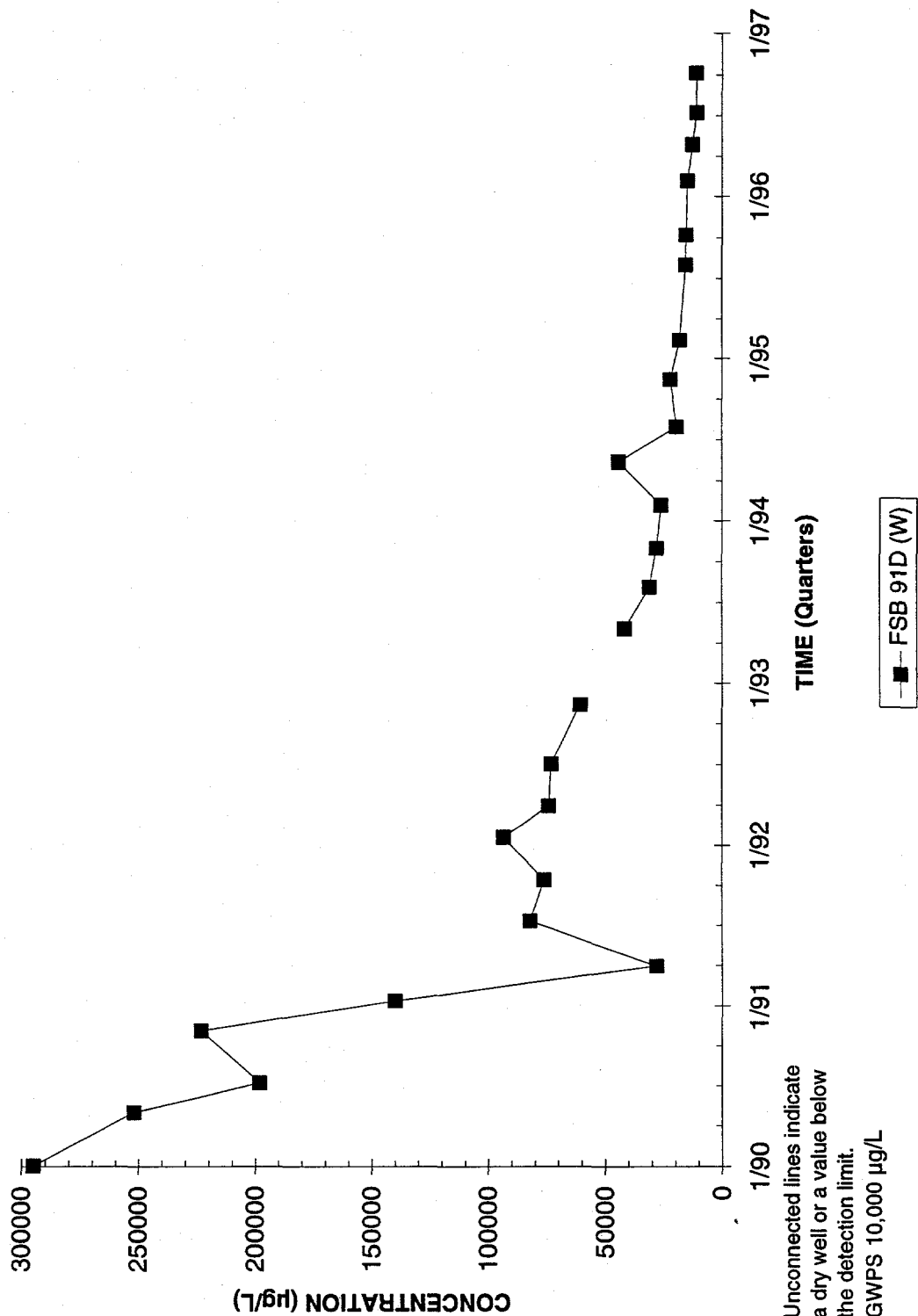
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well FSB 88D



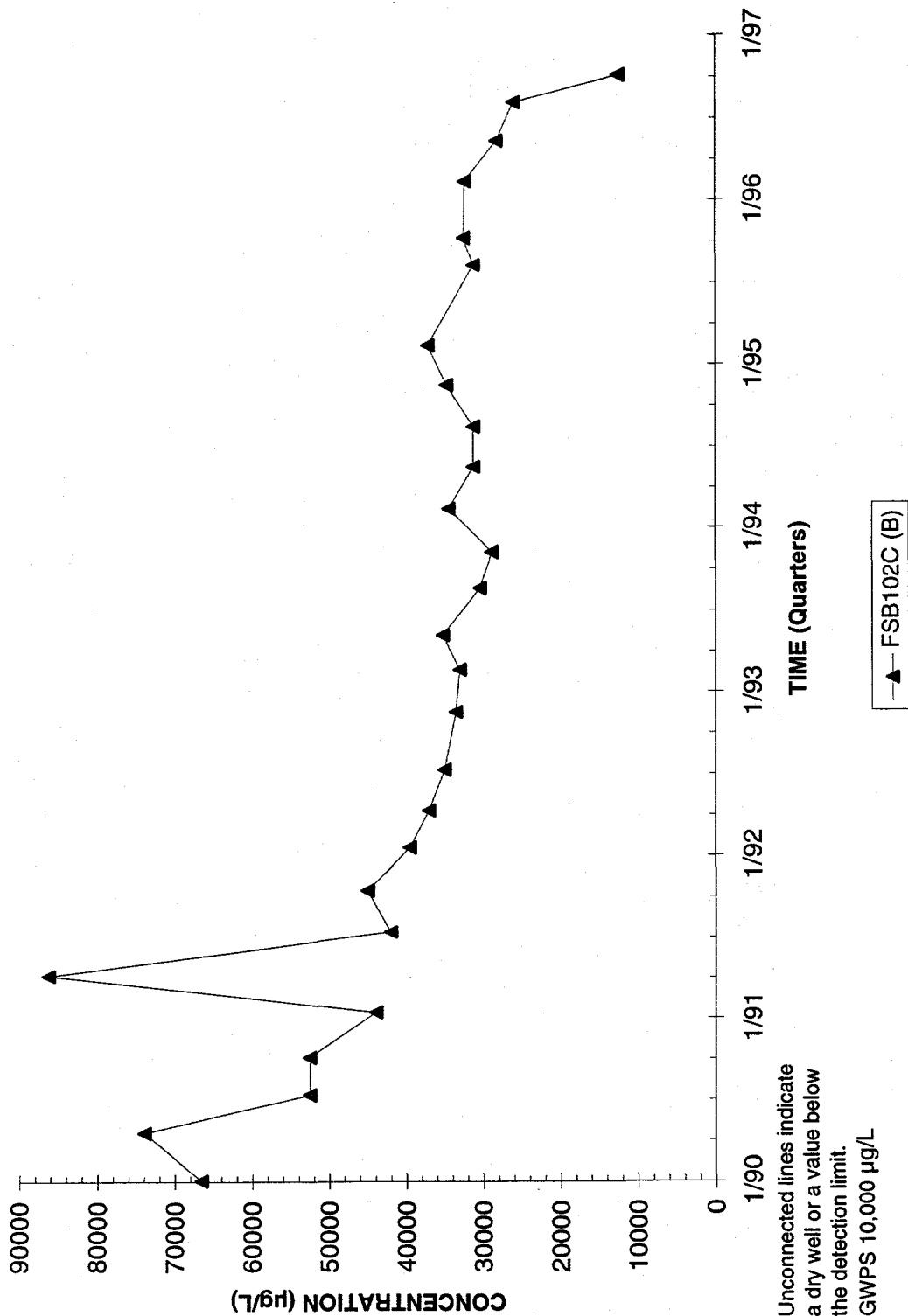
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well FSB 91D



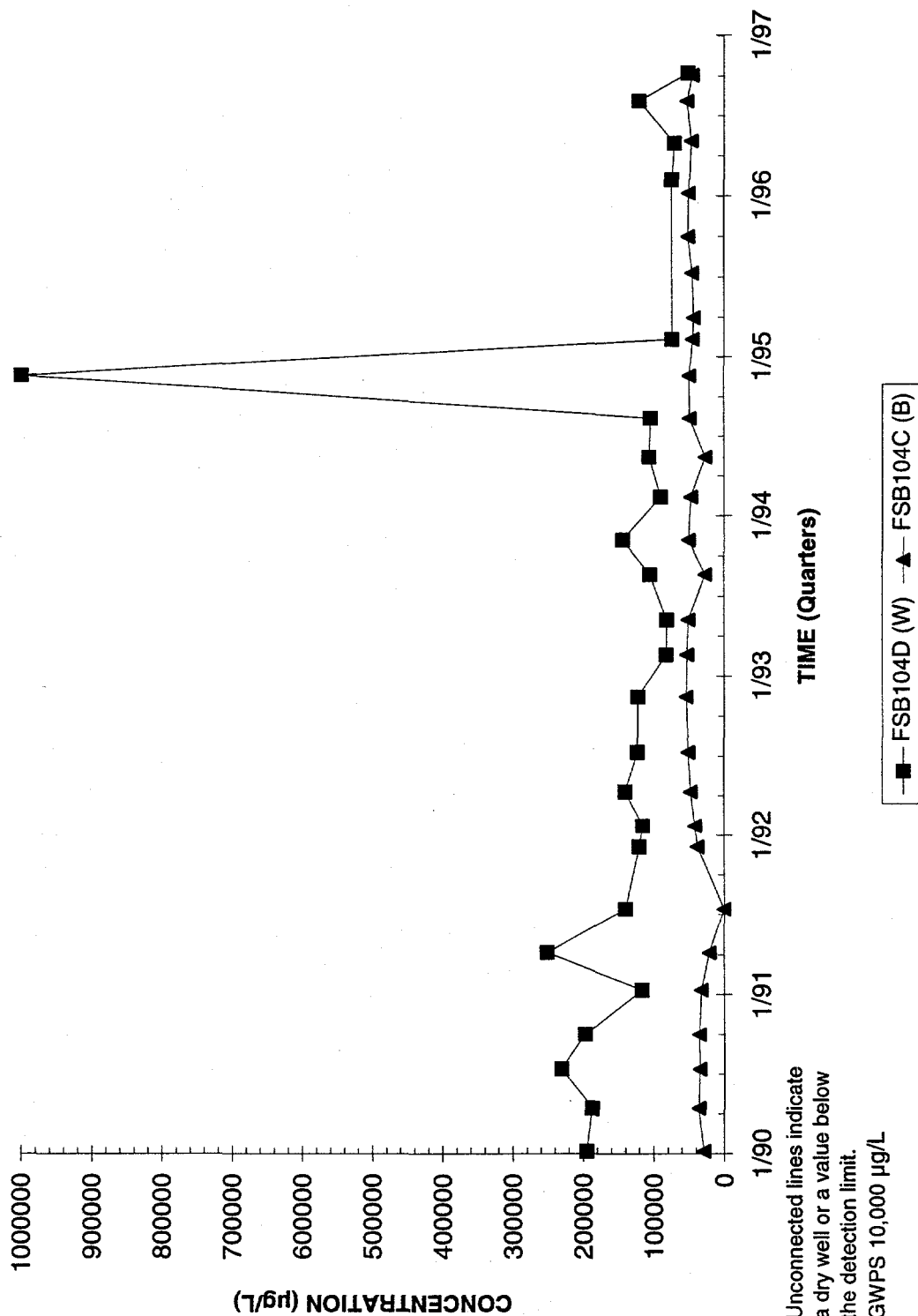
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well FSB102C



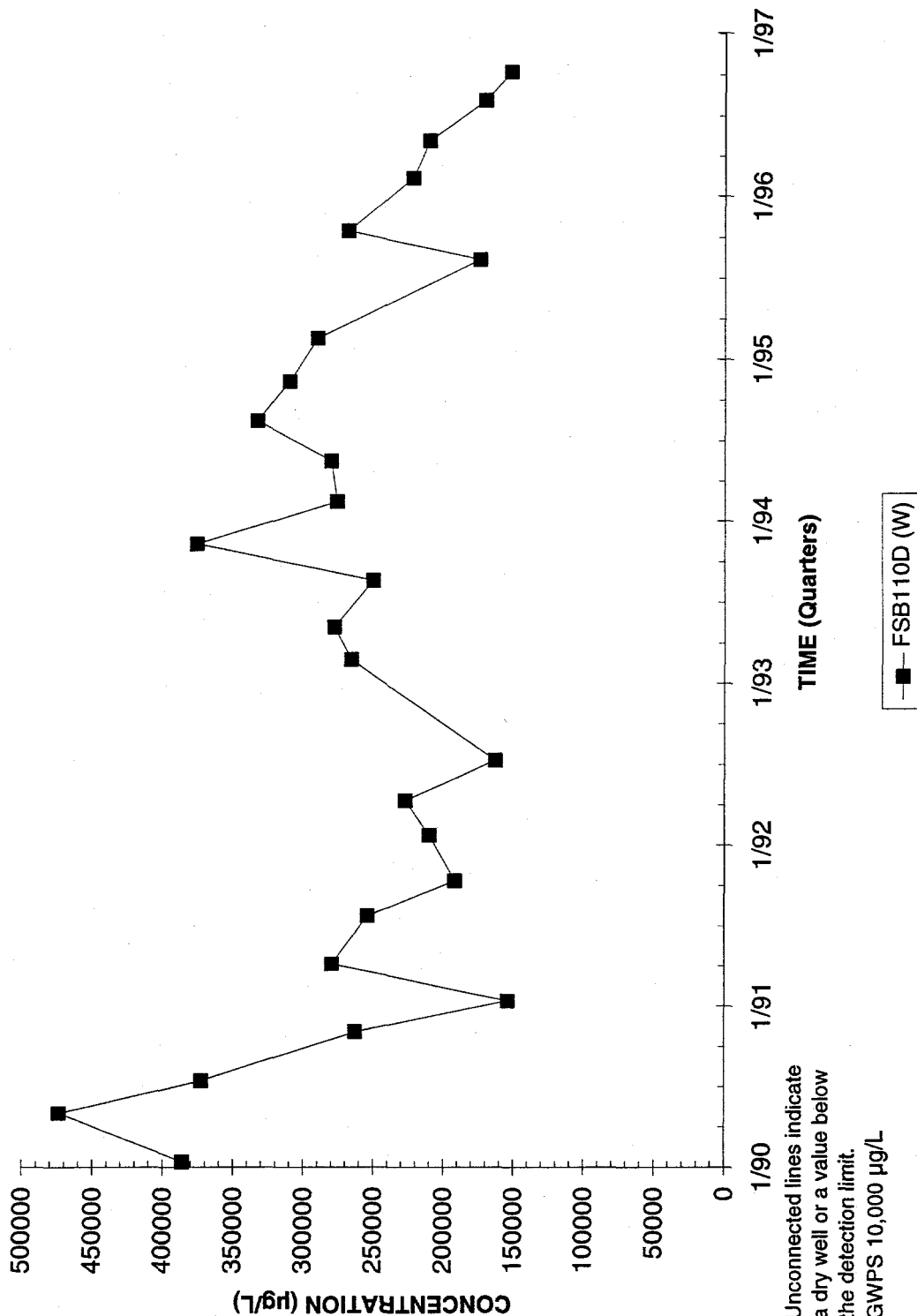
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster FSB104



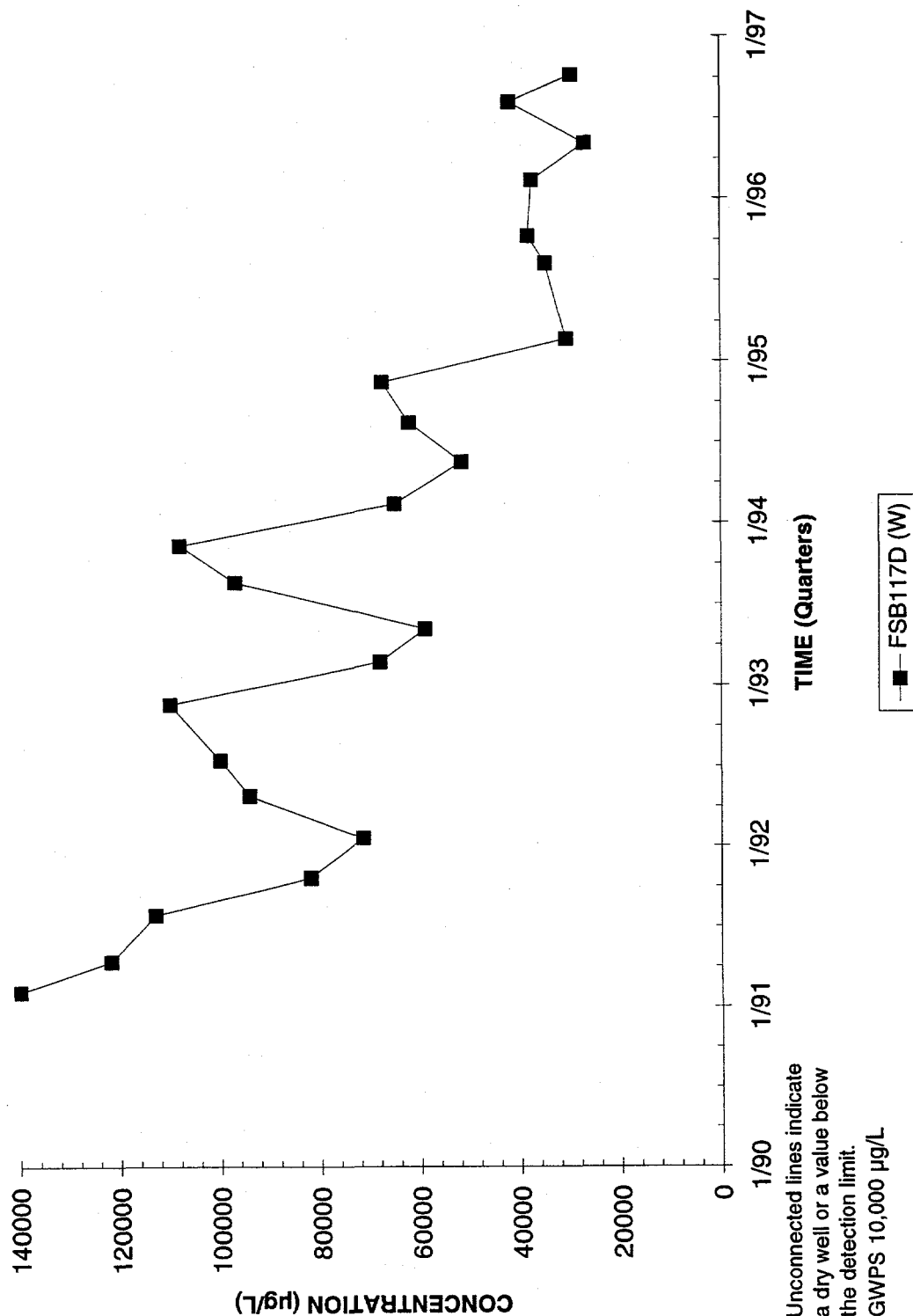
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well FSB110D



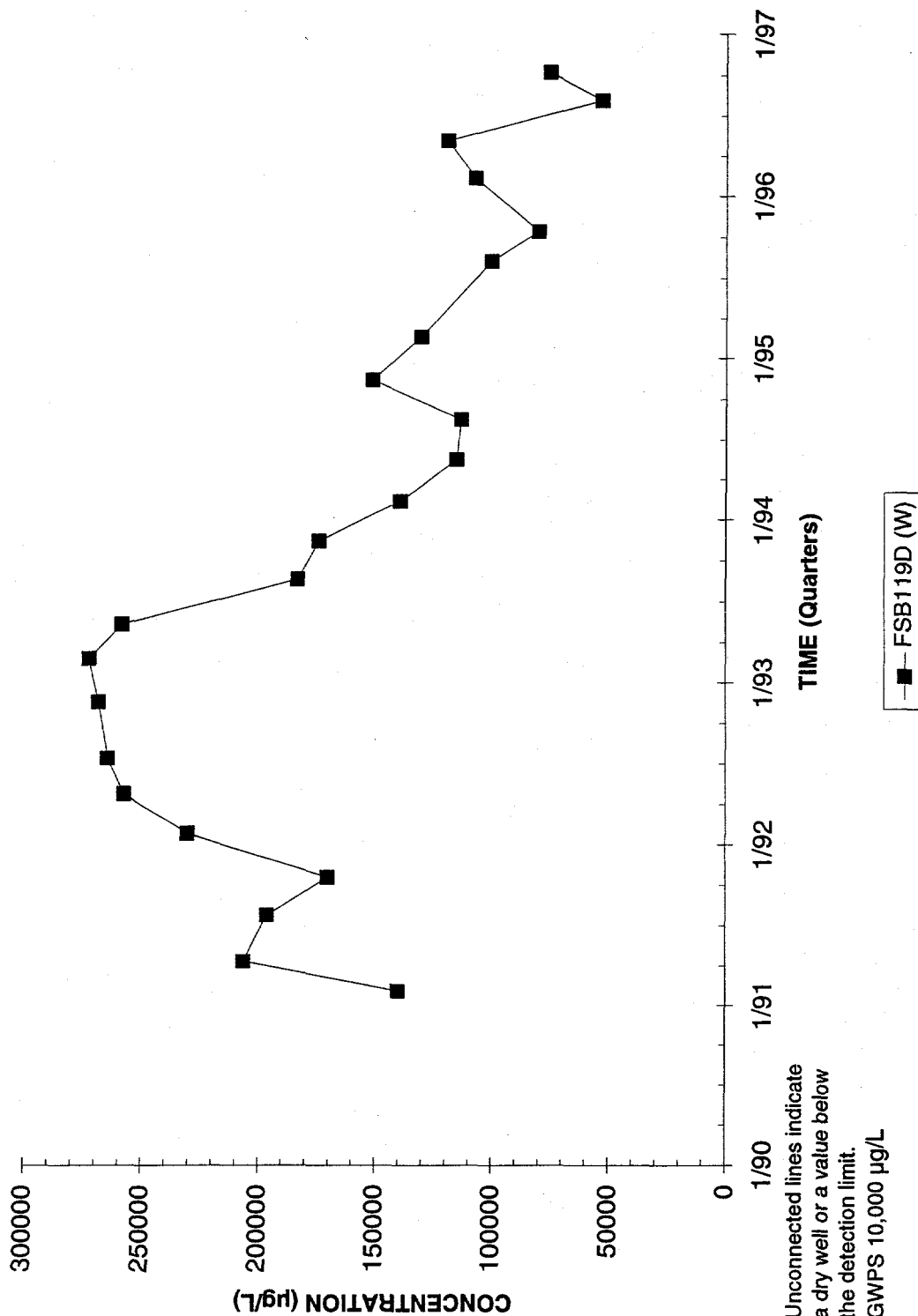
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well FSB117D



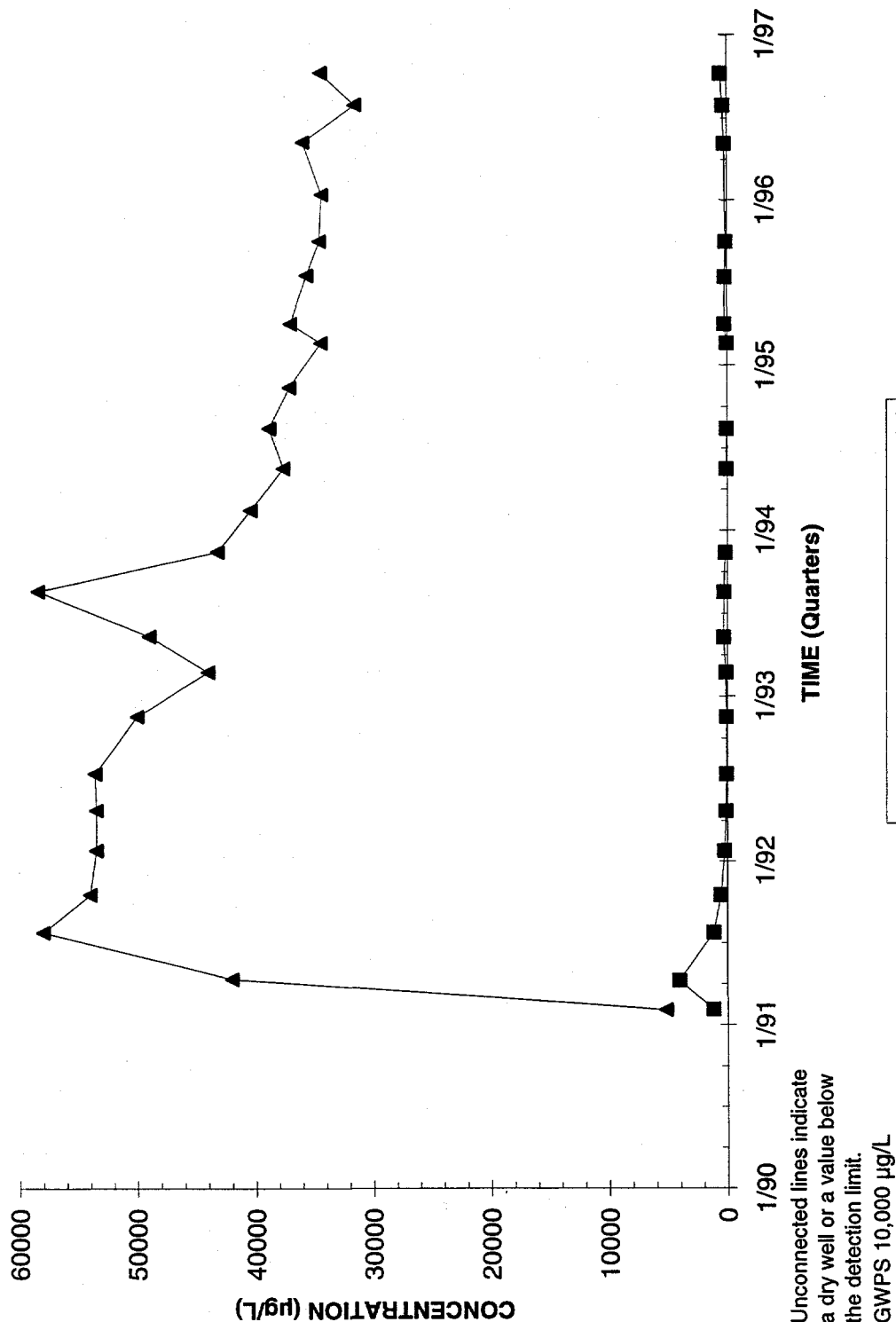
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well FSB119D



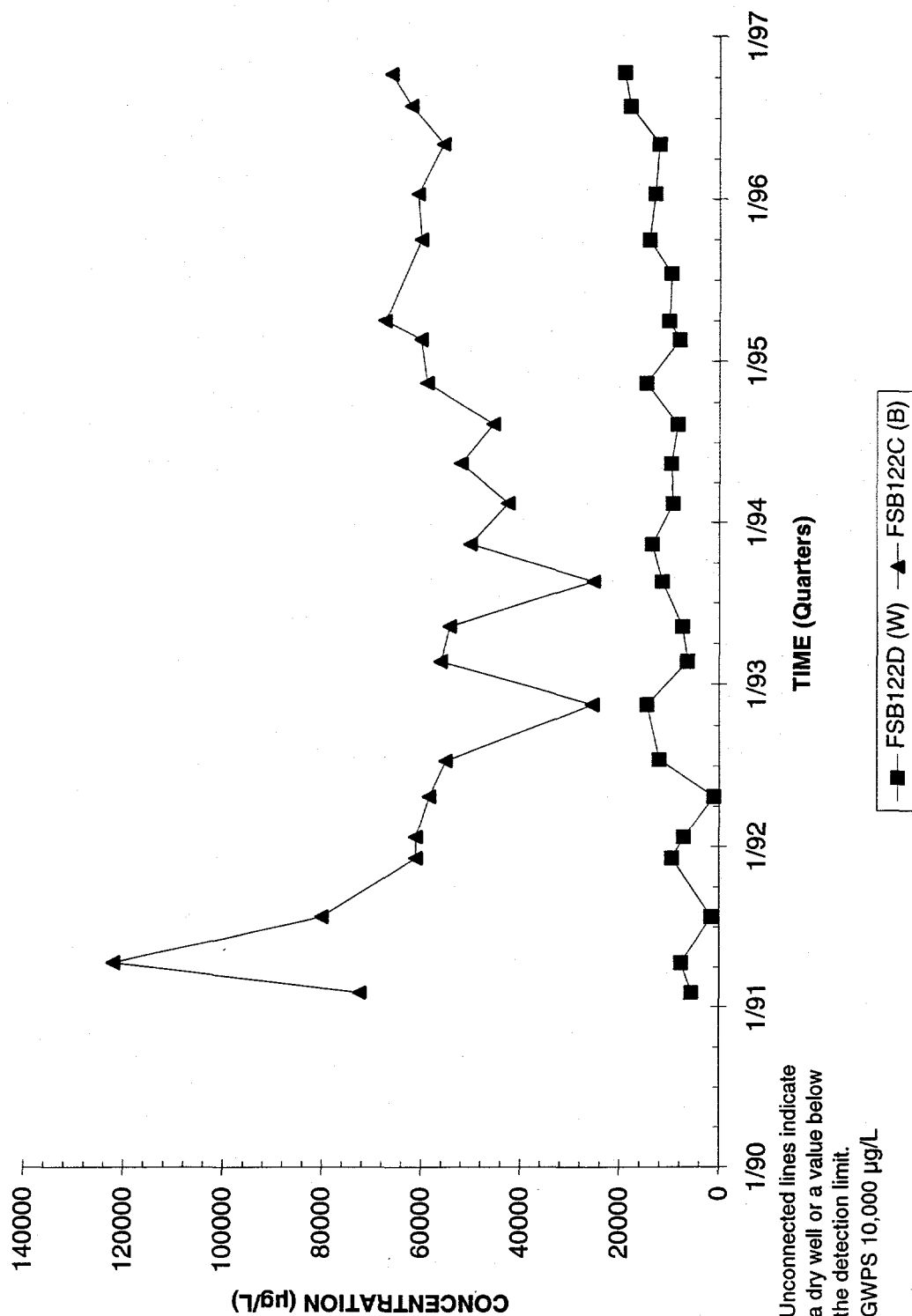
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster FSB120



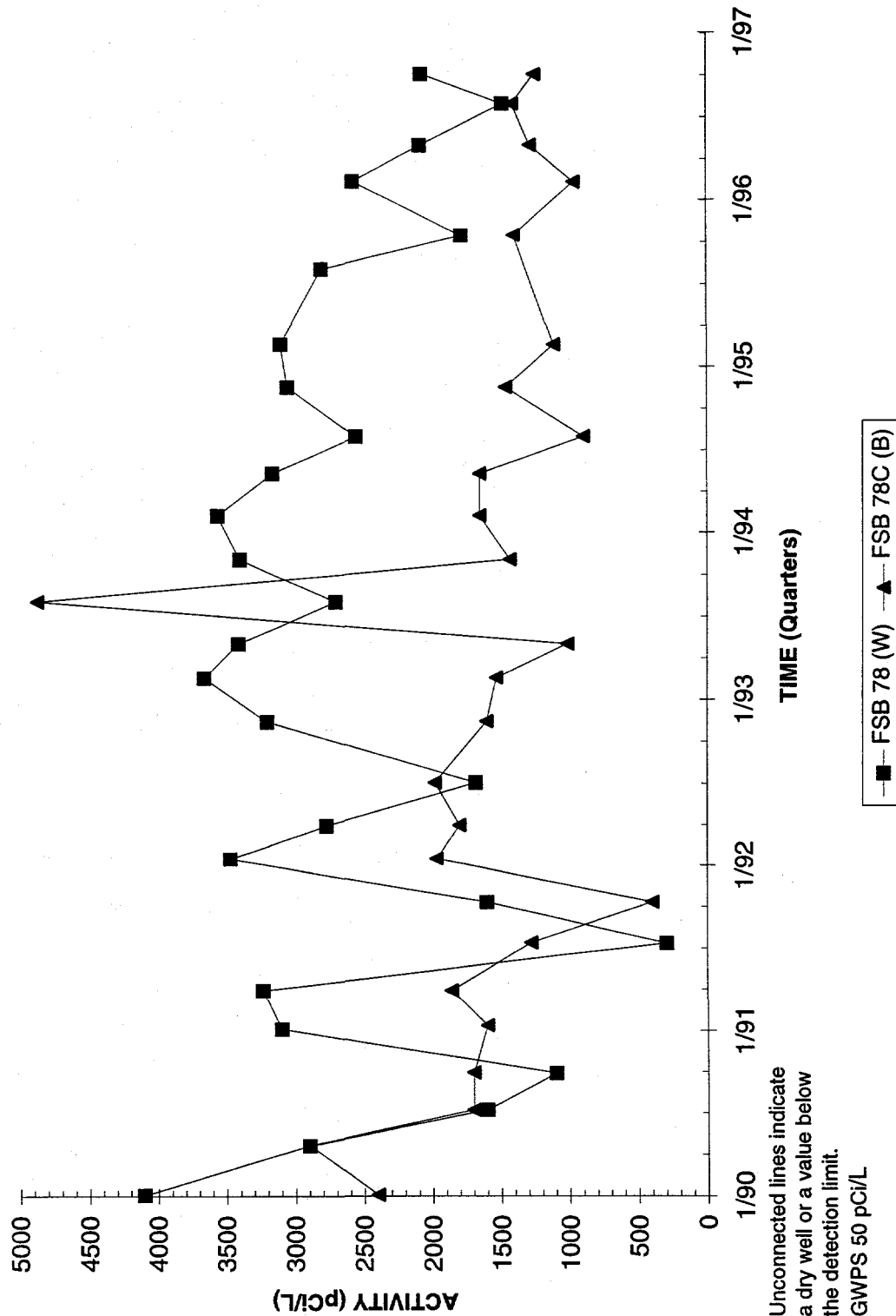
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster FSB122



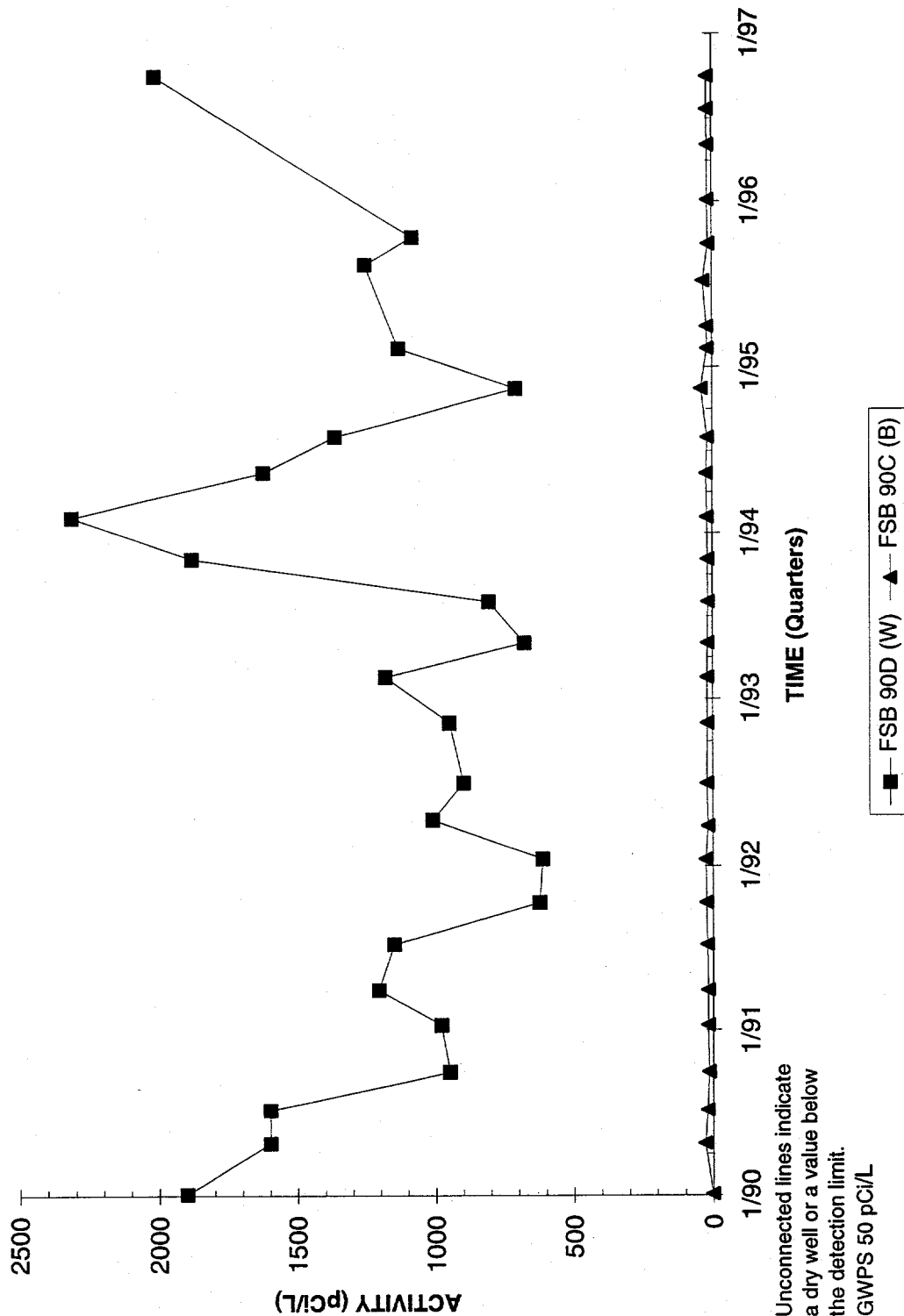
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LG=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster FSB 78



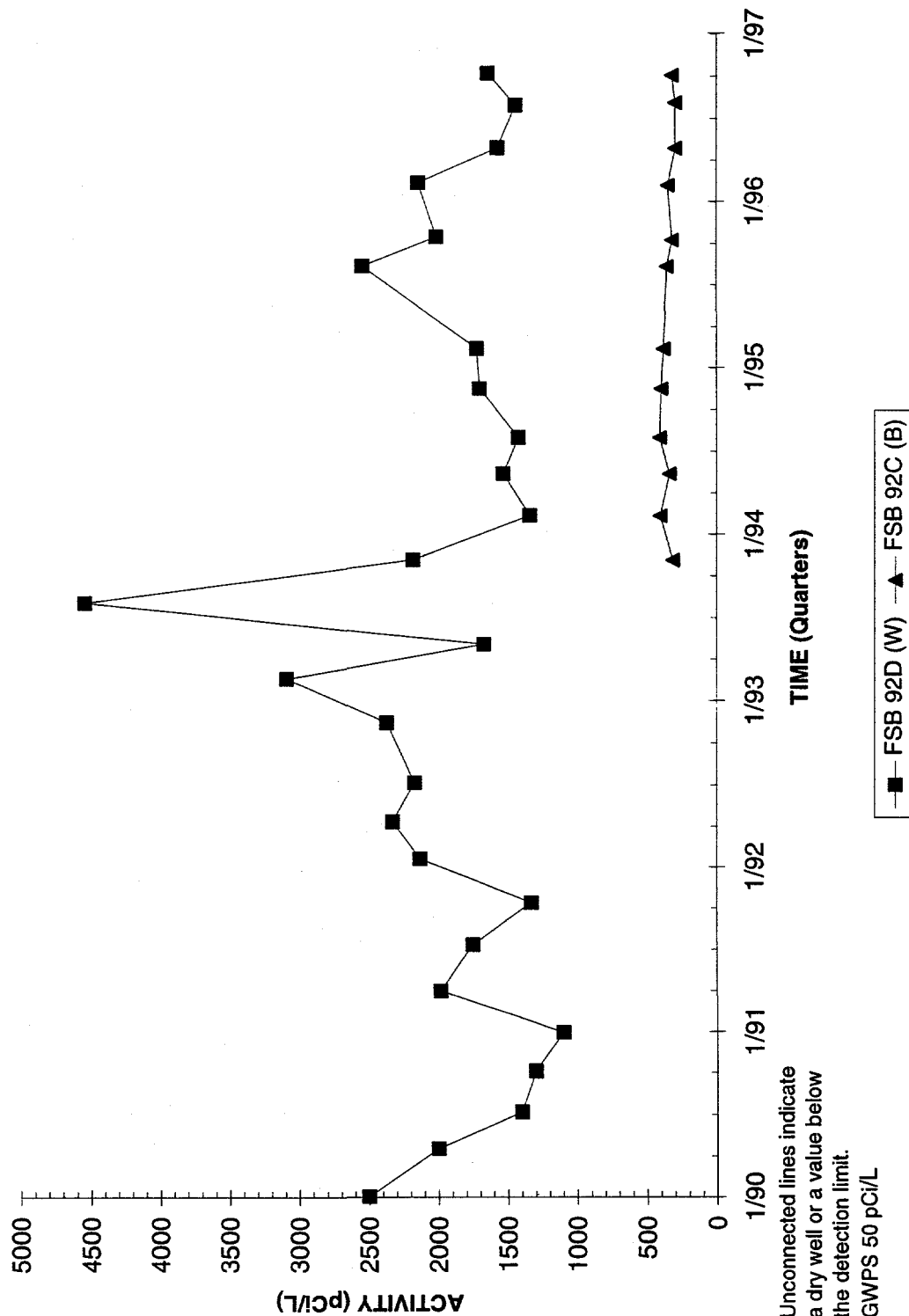
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster FSB 90



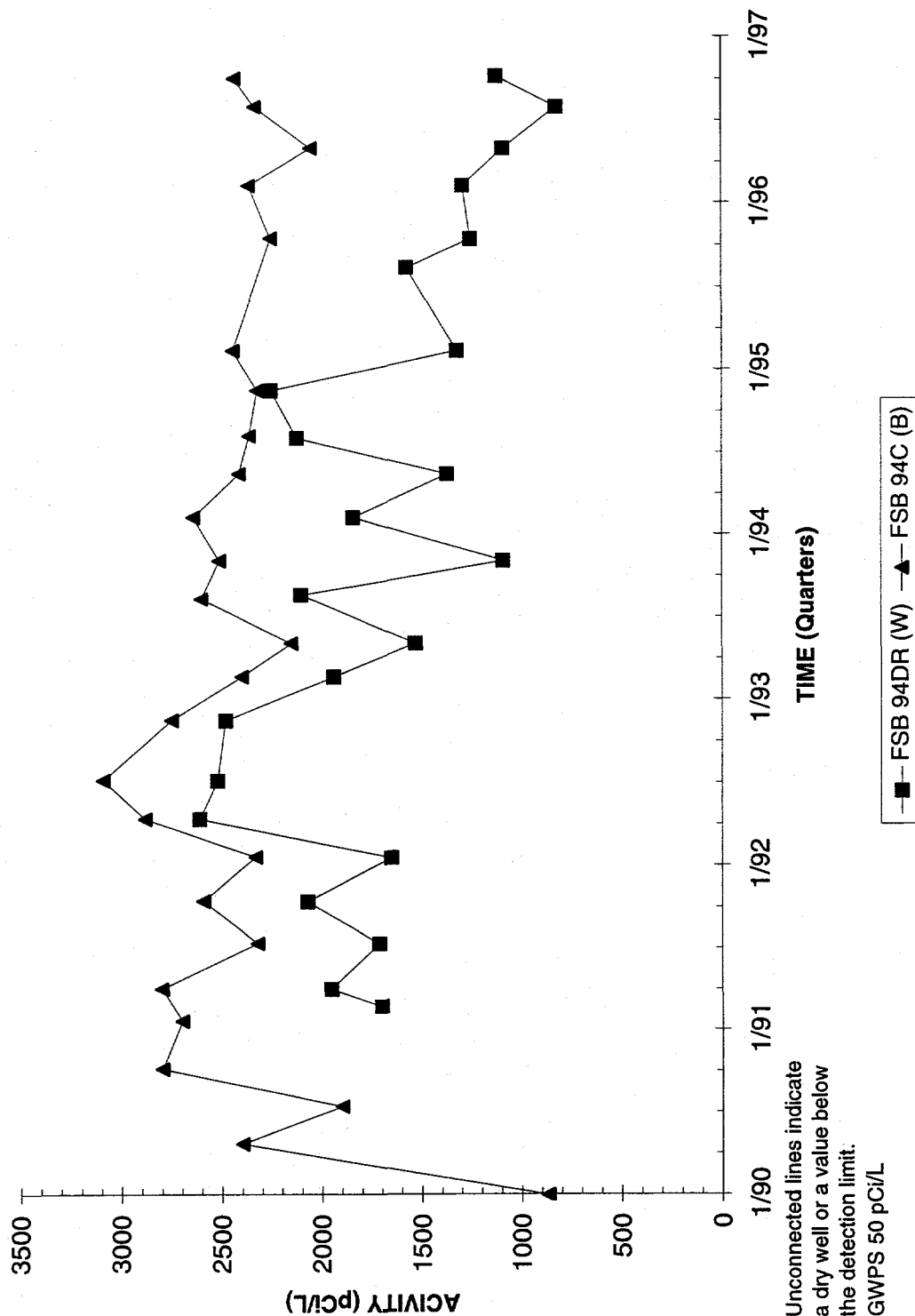
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster FSB 92



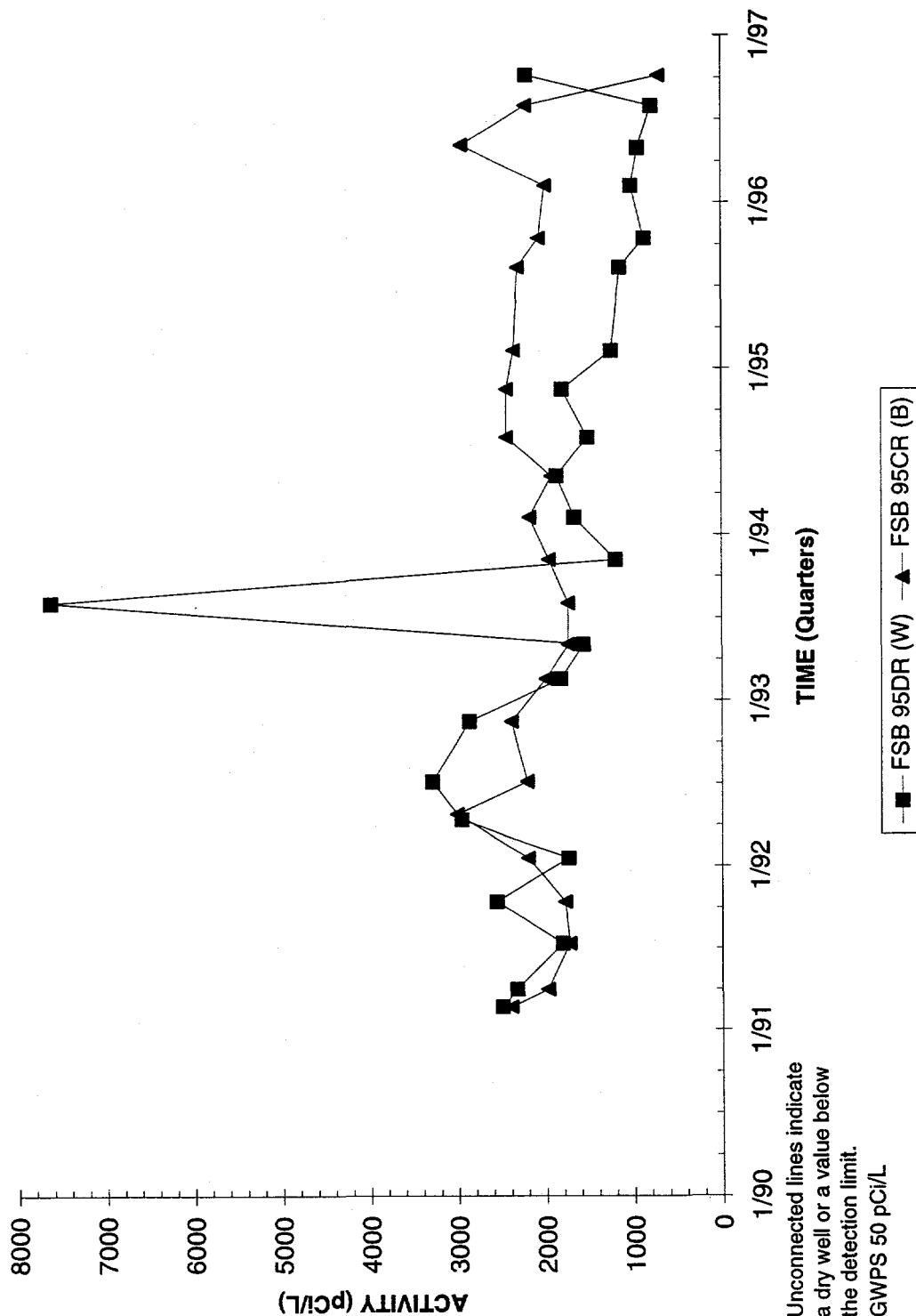
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster FSB 94



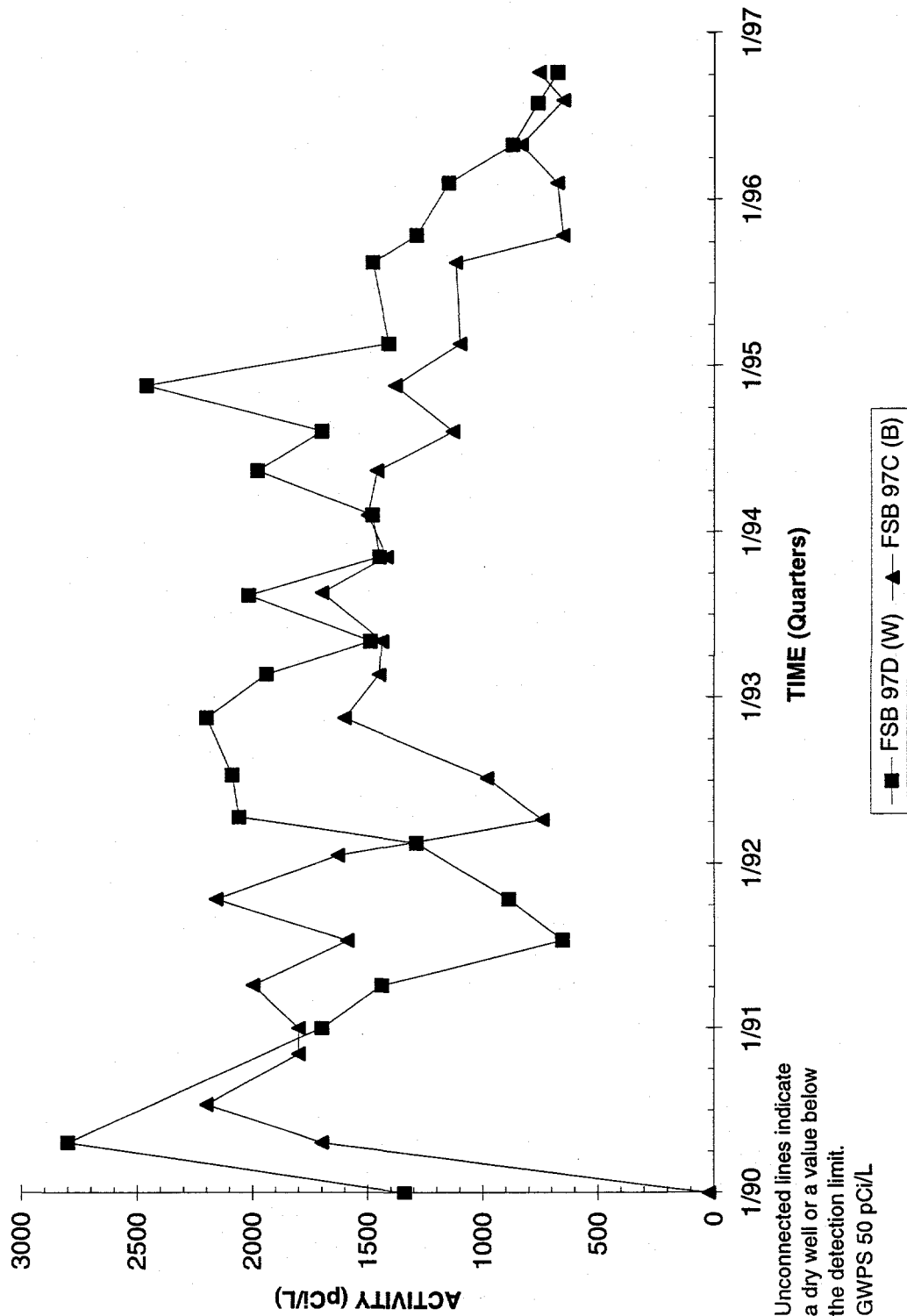
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster FSB 95



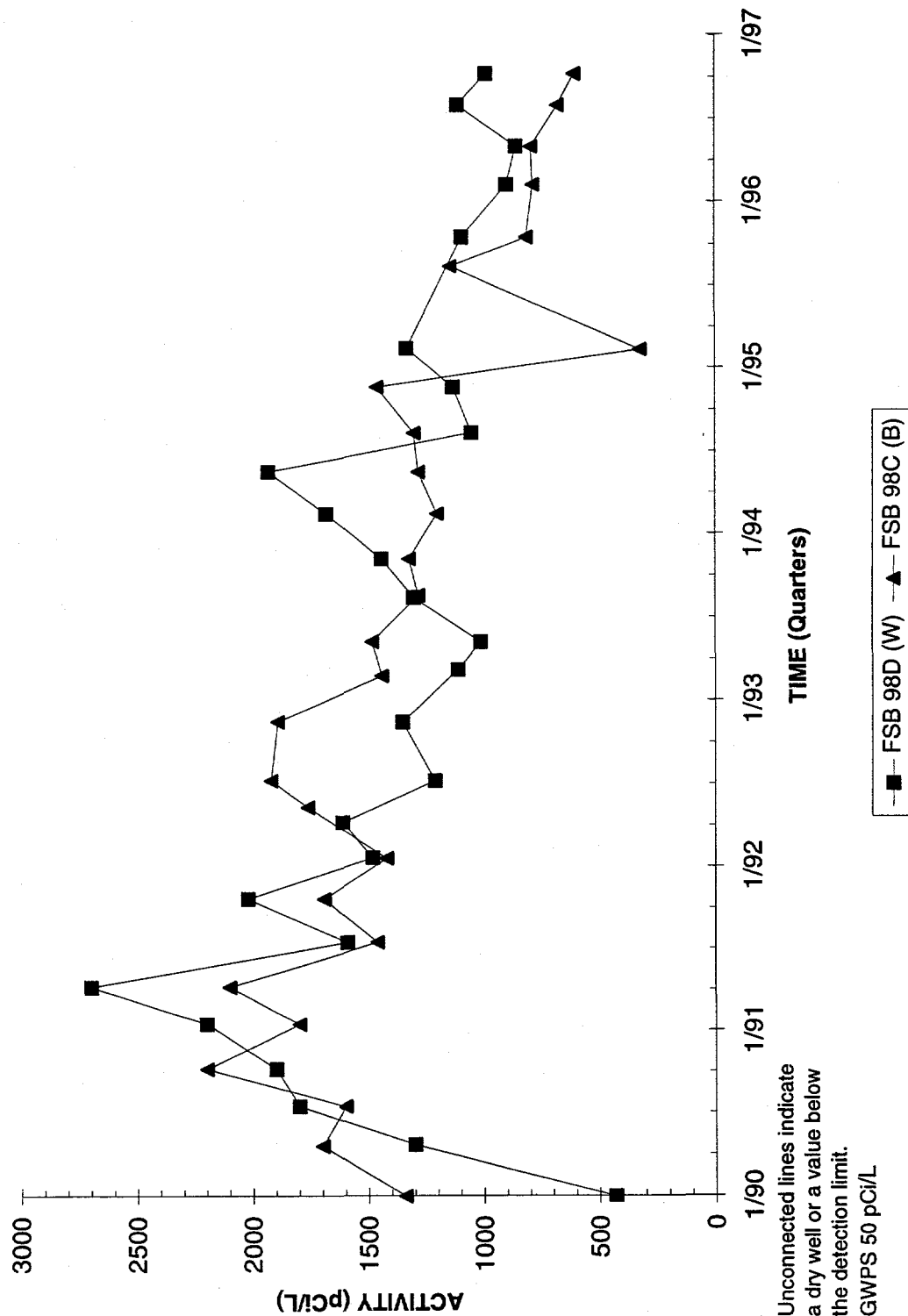
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster FSB 97



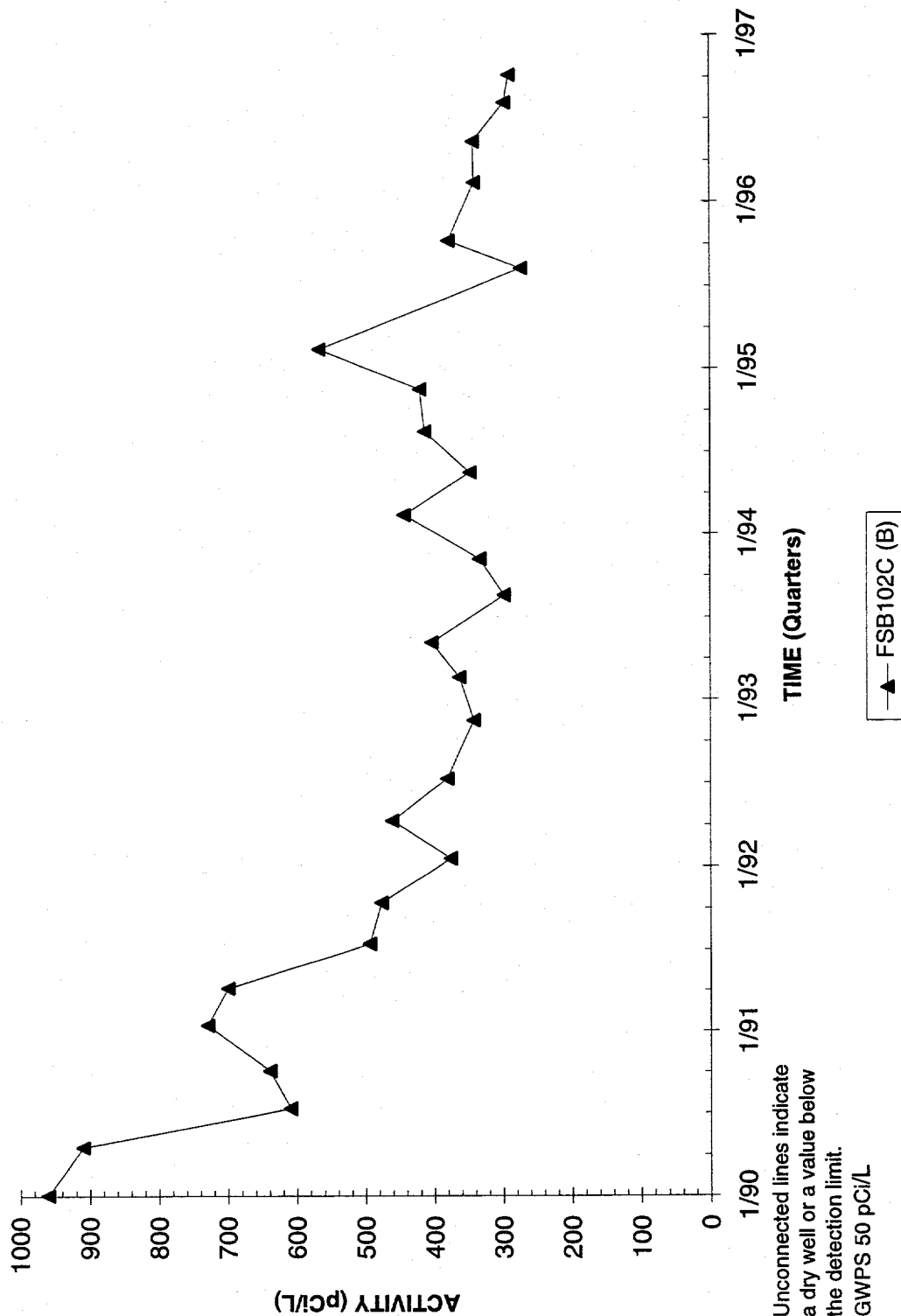
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster FSB 98



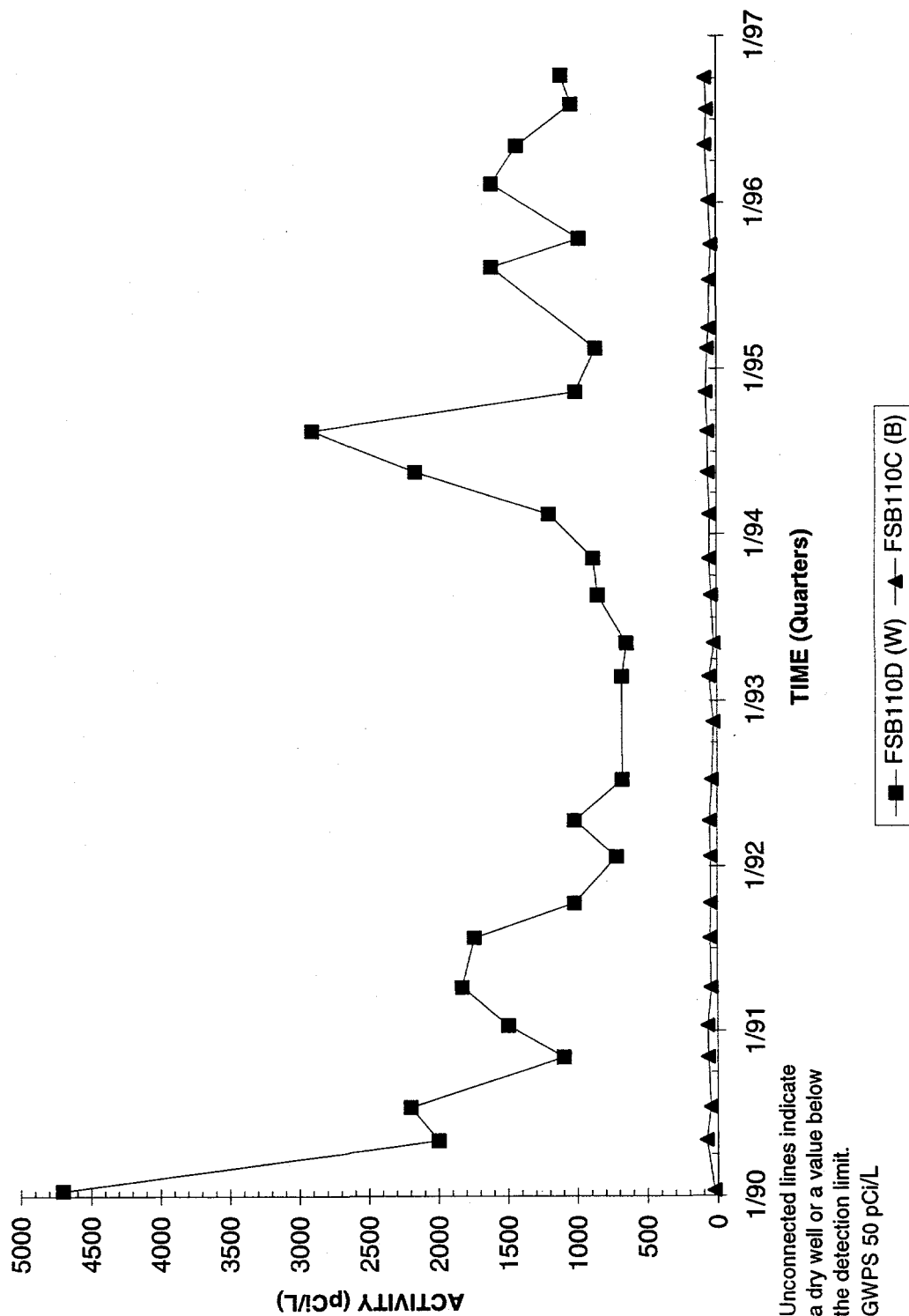
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well FSB102C



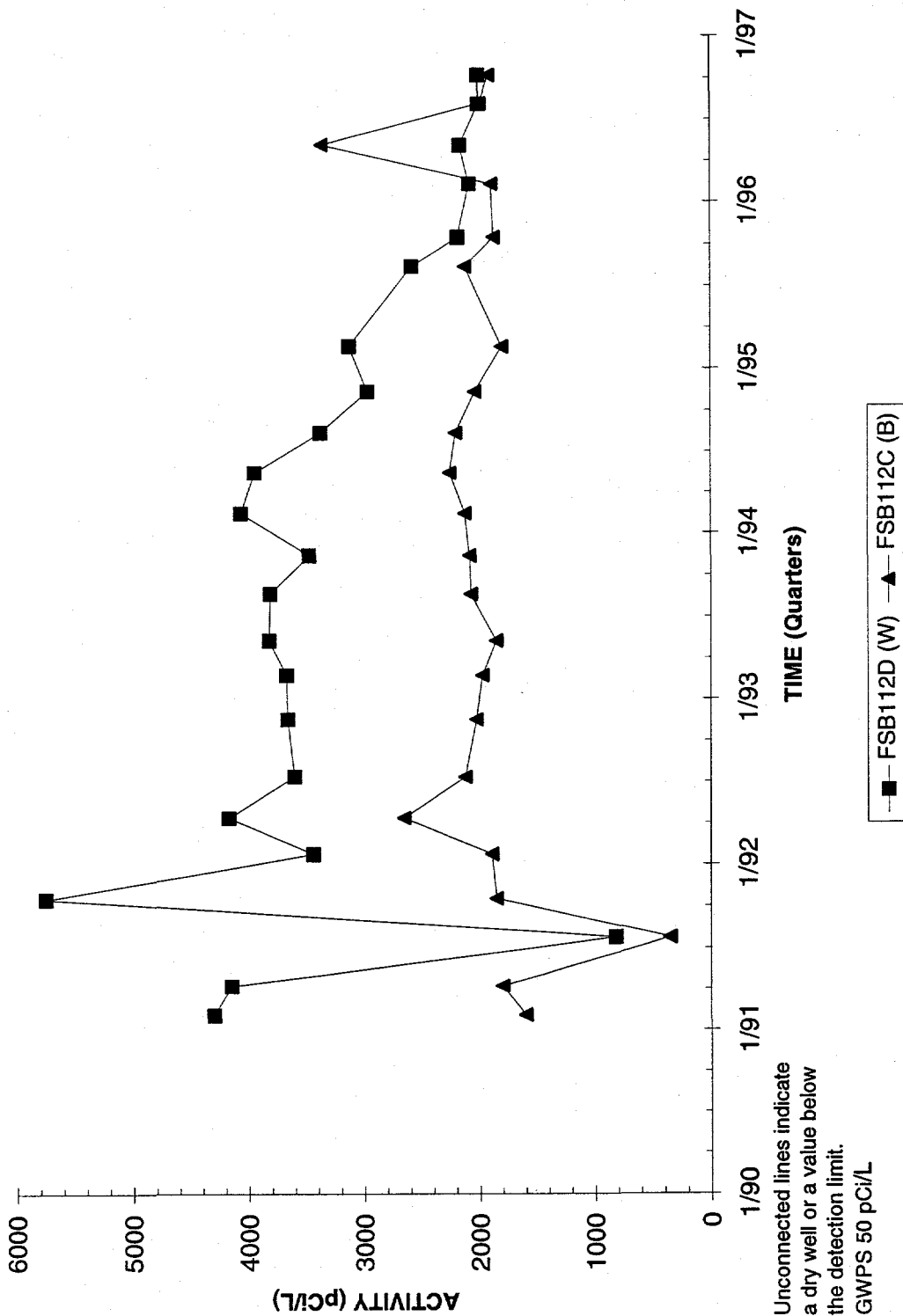
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster FSB110



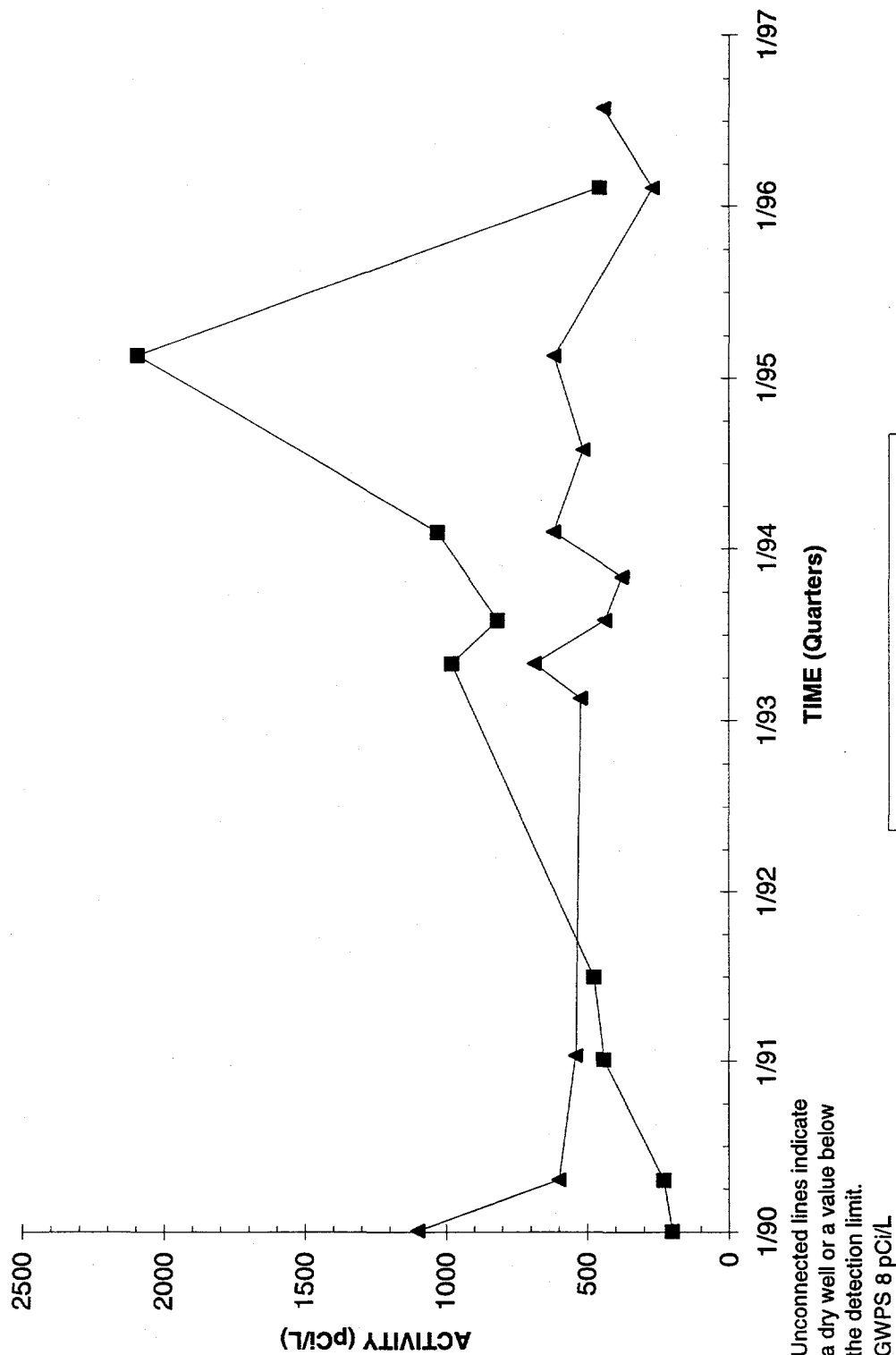
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster FSB112



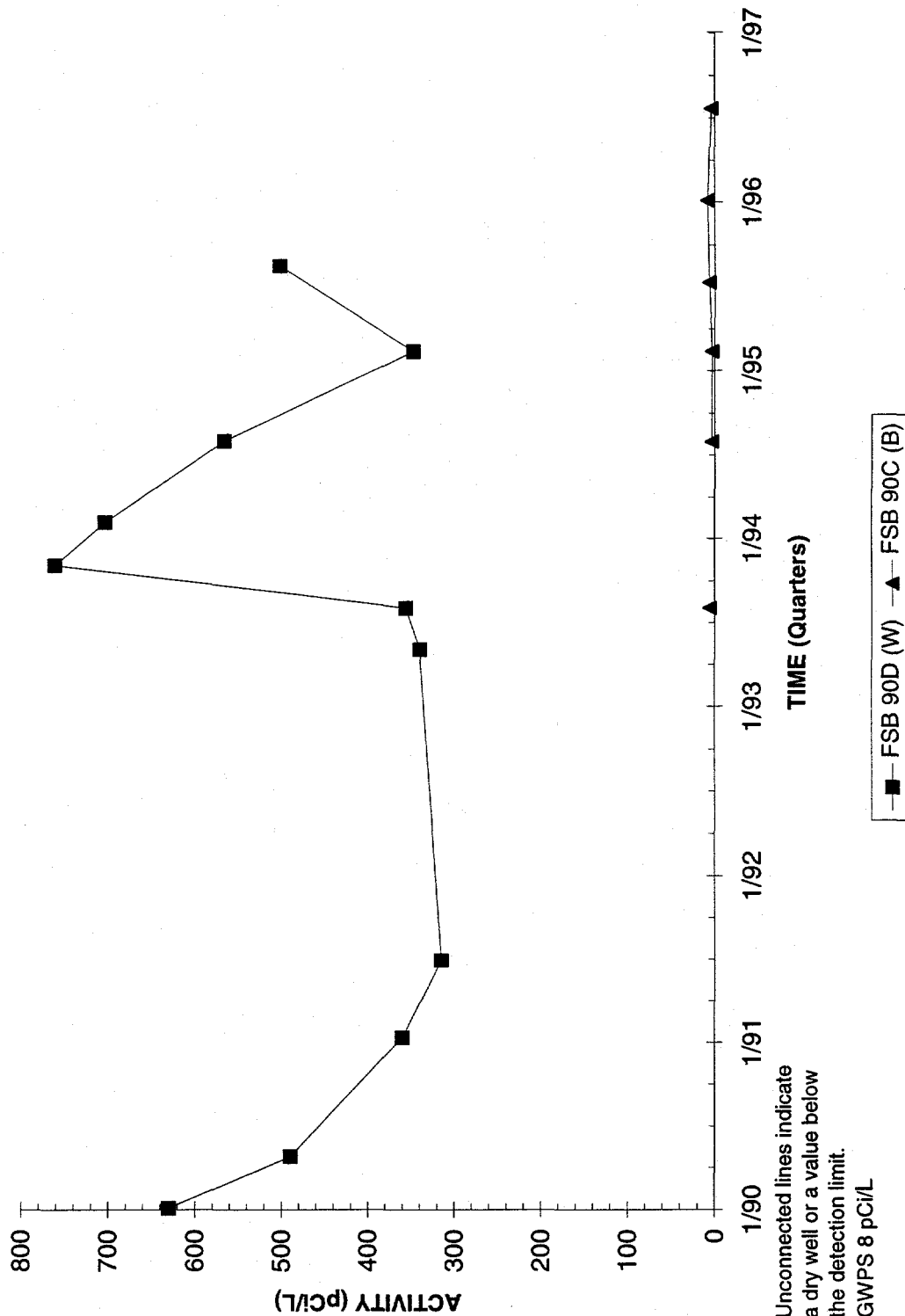
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster FSB 78



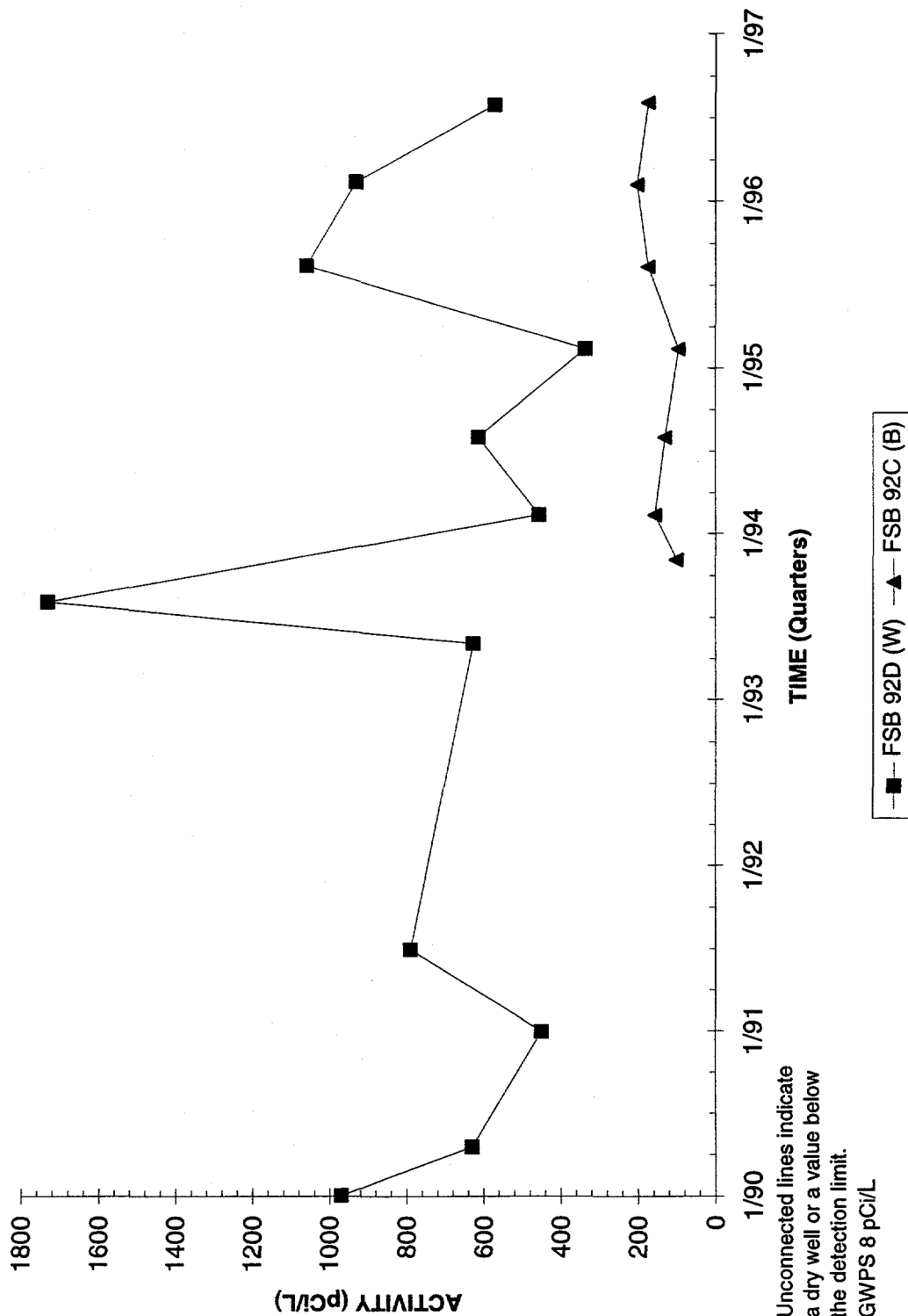
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster FSB 90



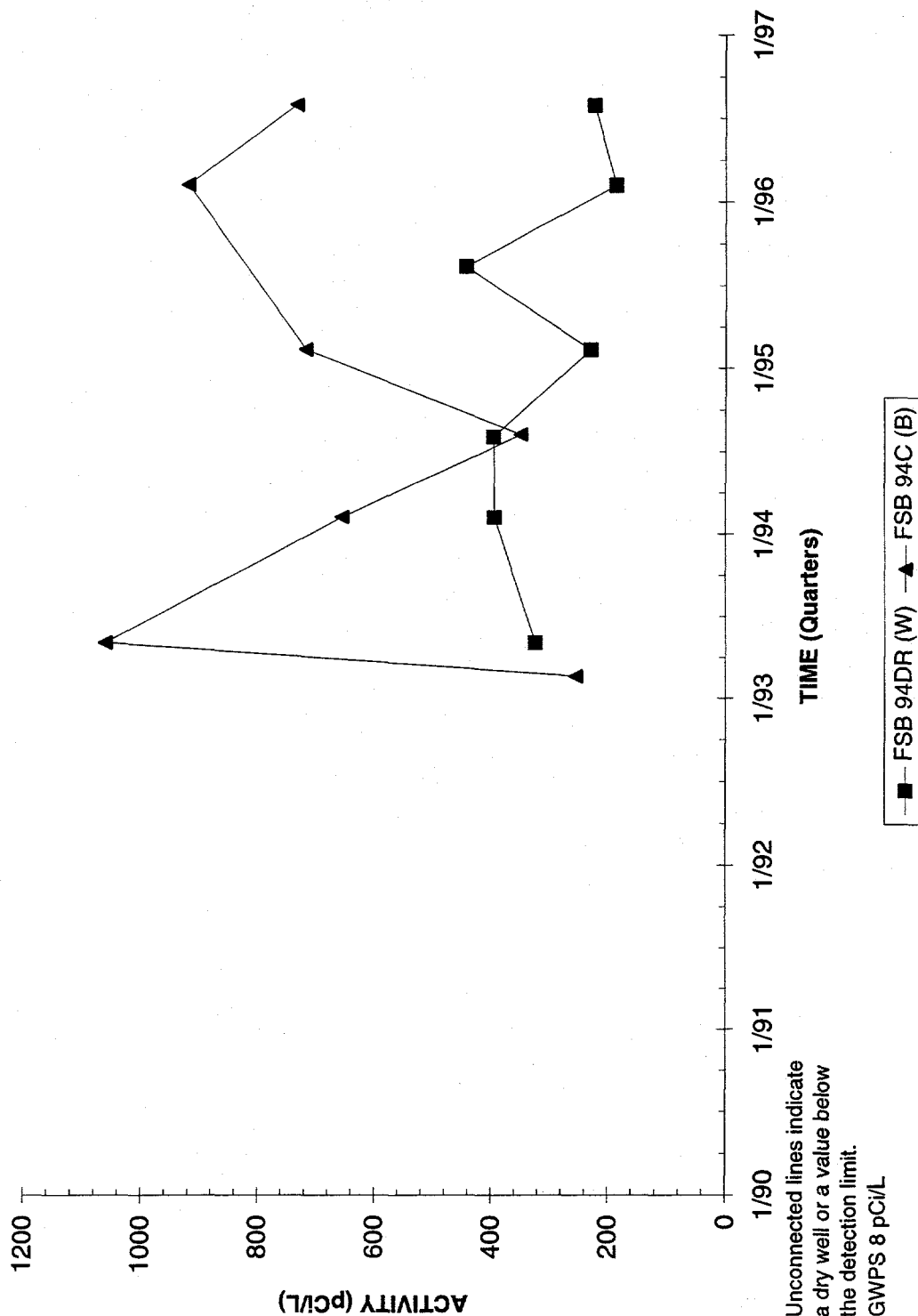
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster FSB 92



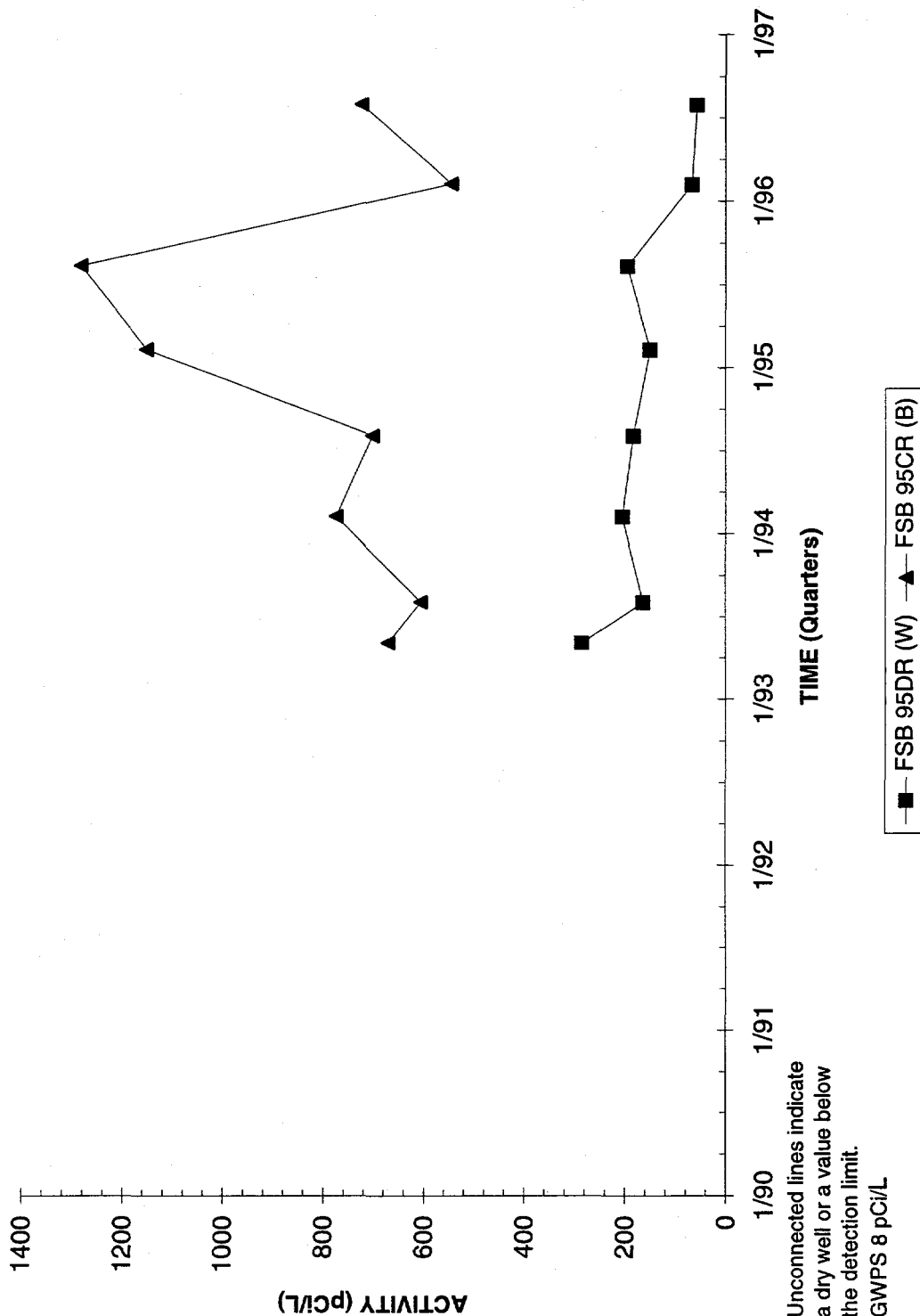
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster FSB 94



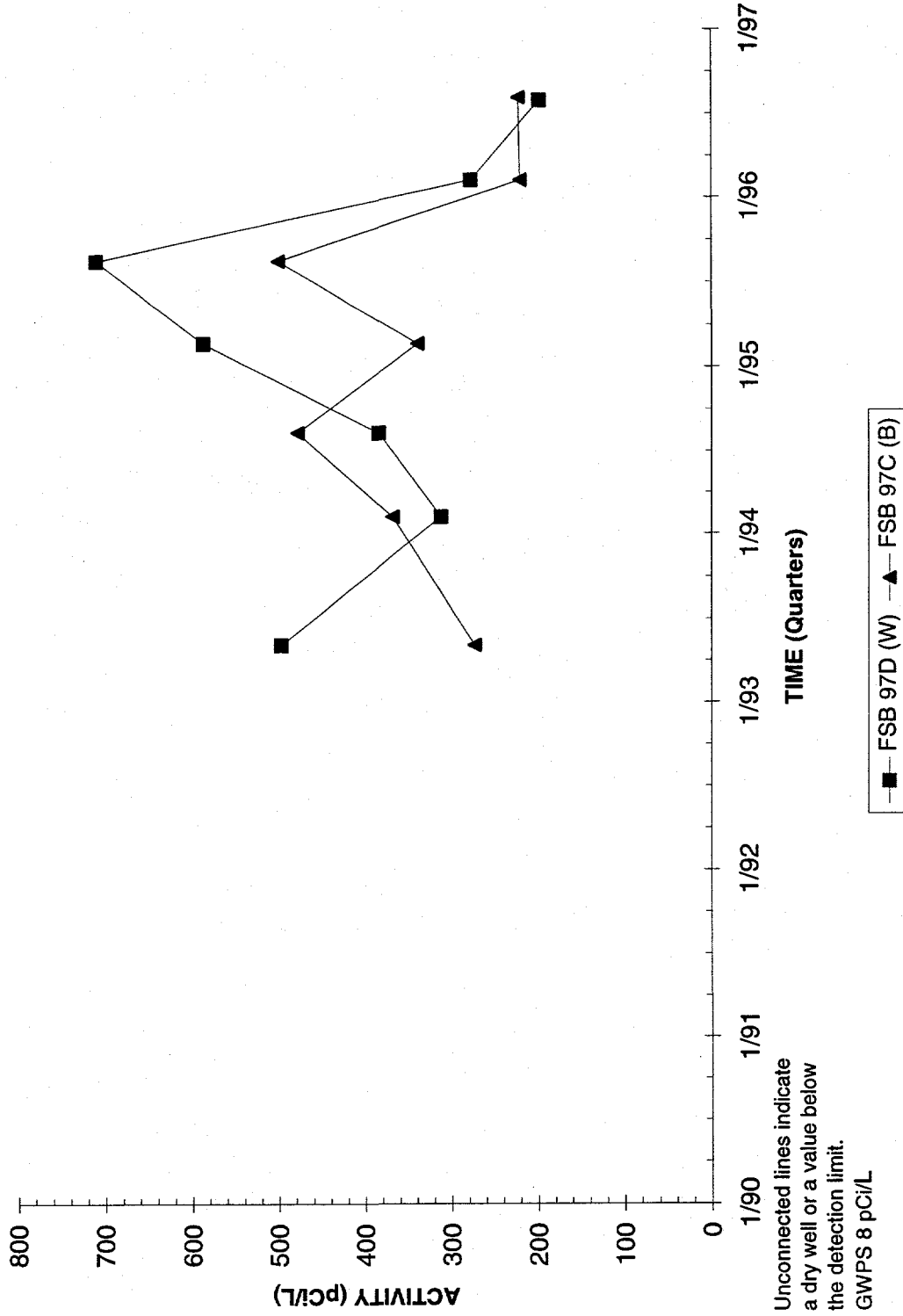
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster FSB 95



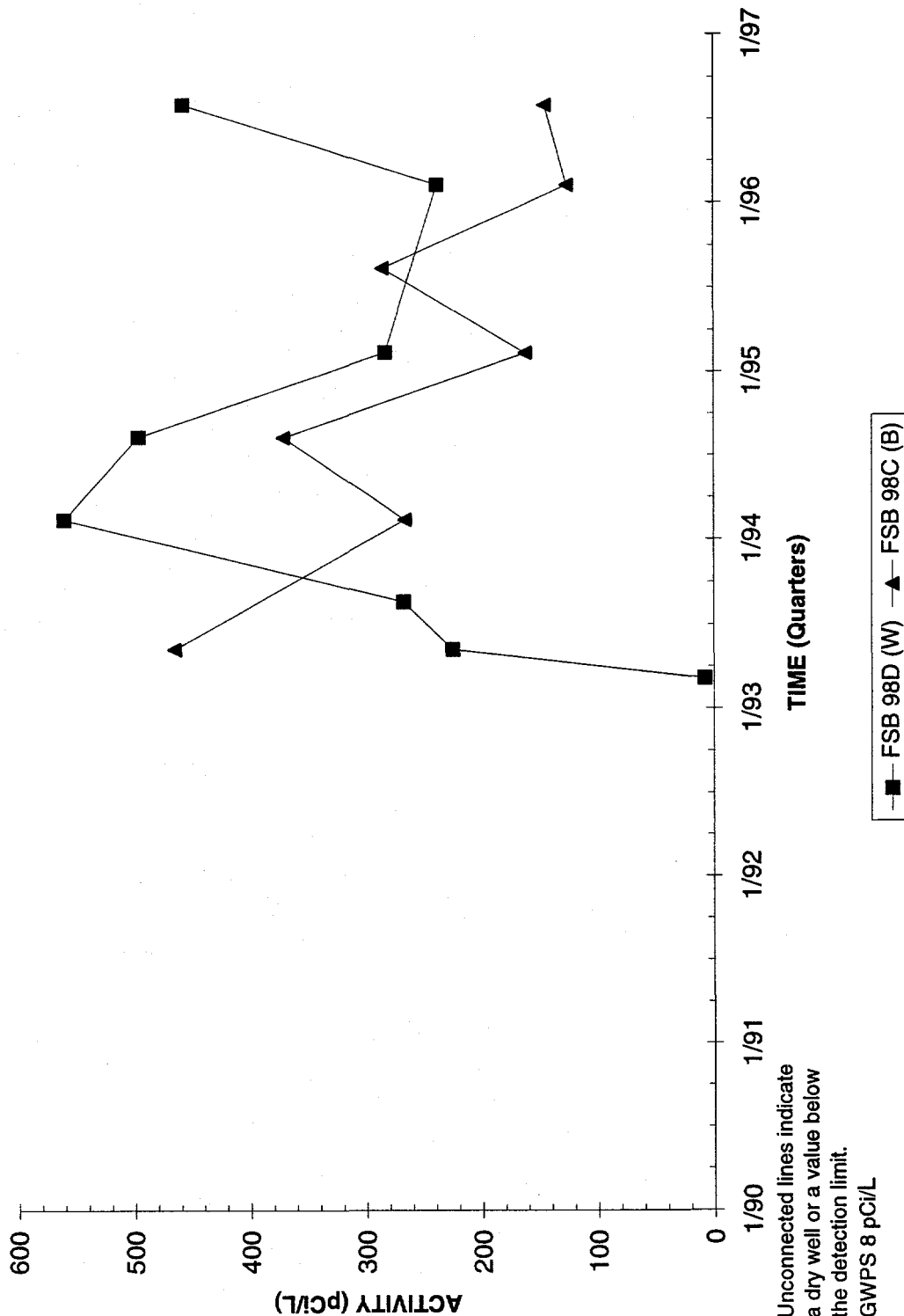
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster FSB 97



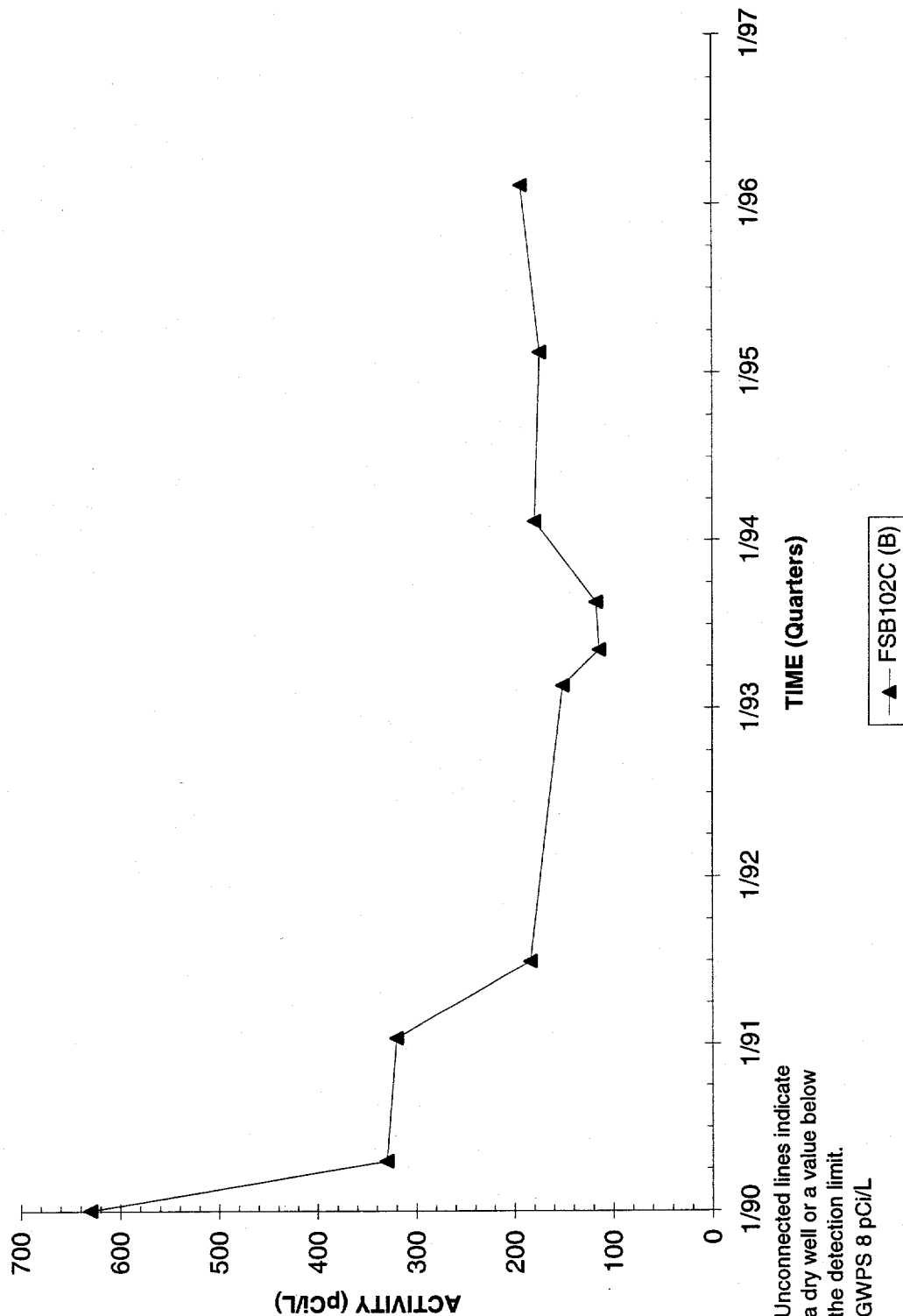
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster FSB 98



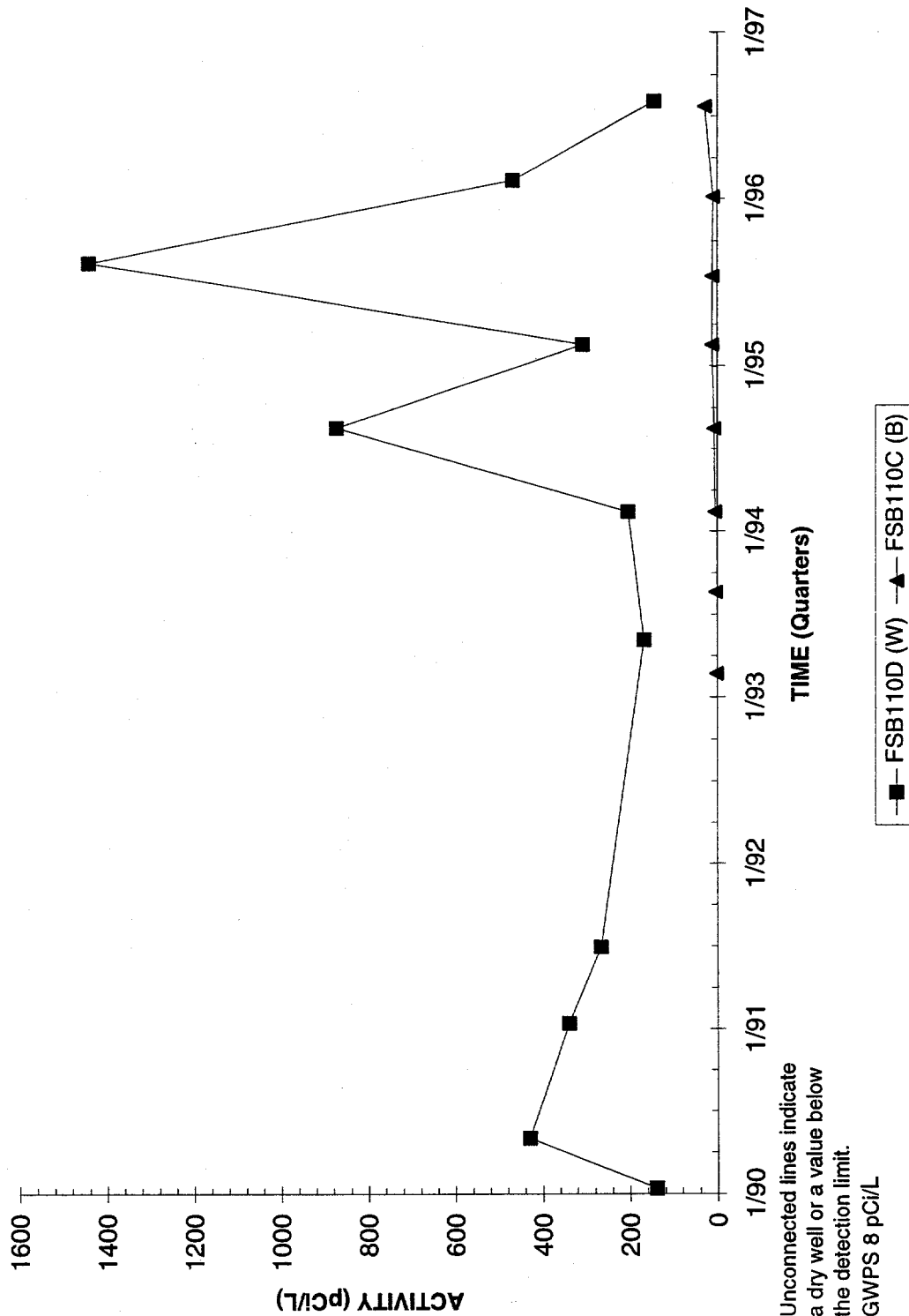
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well FSB102C



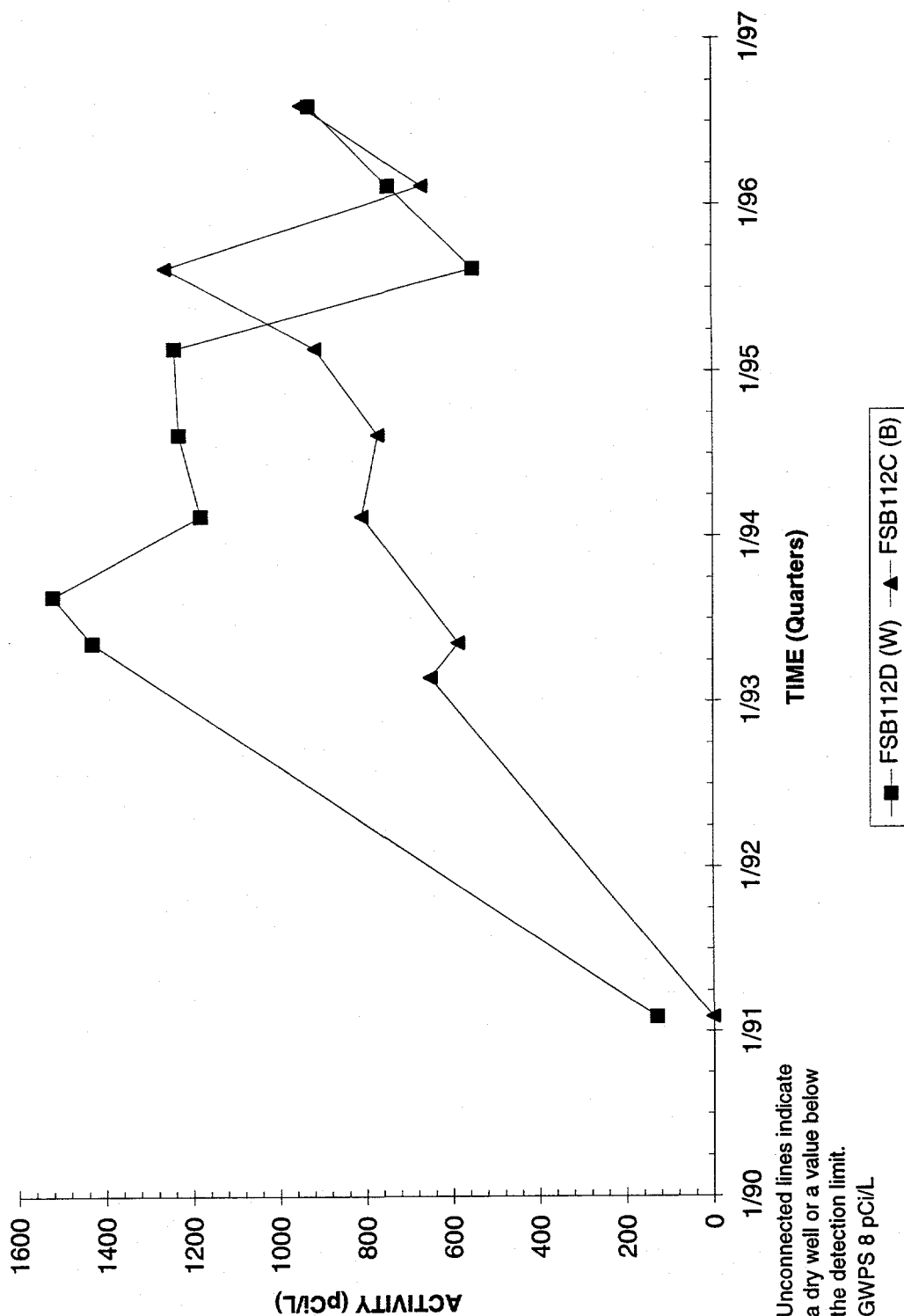
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster FSB110



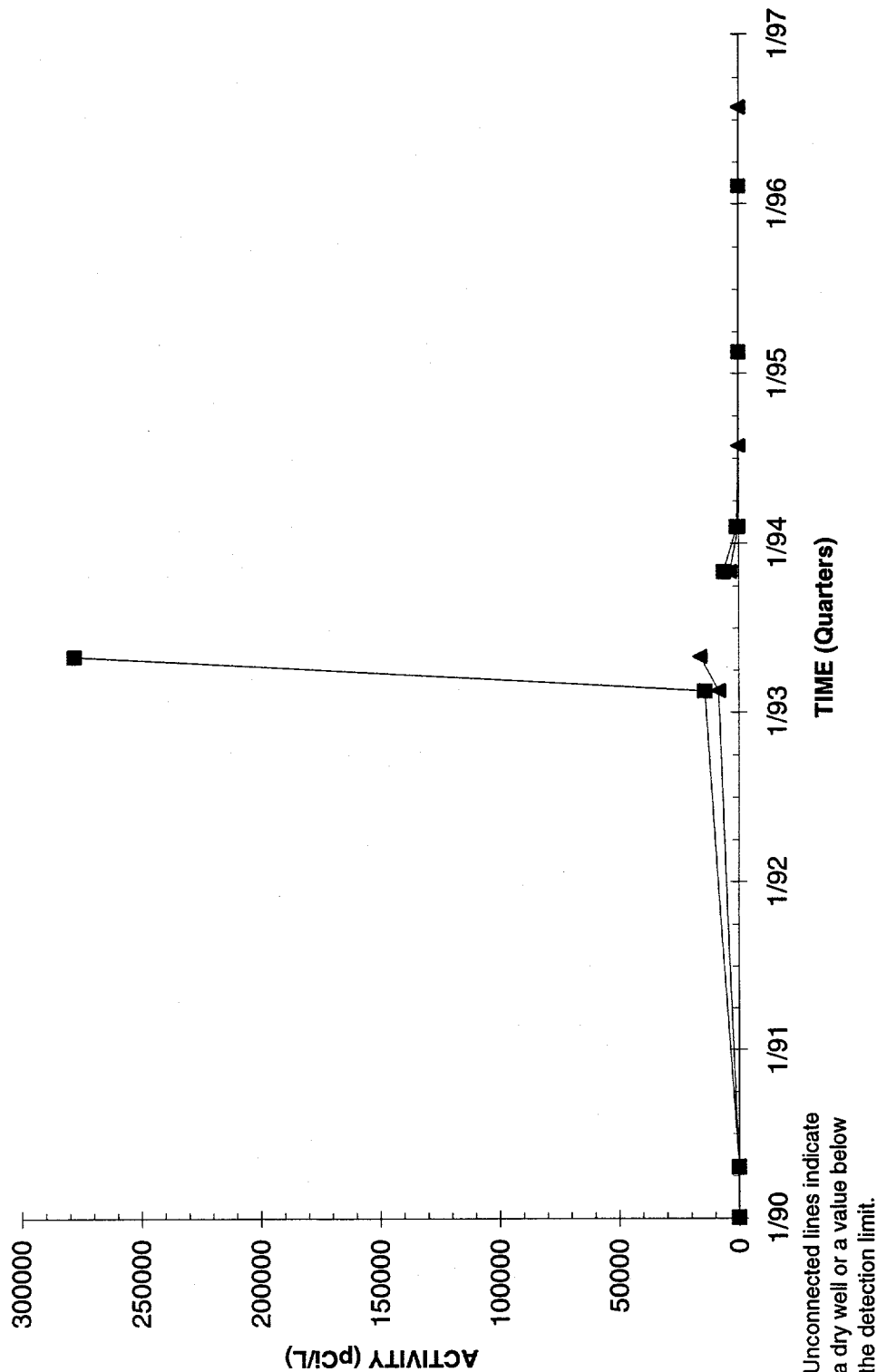
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster FSB112



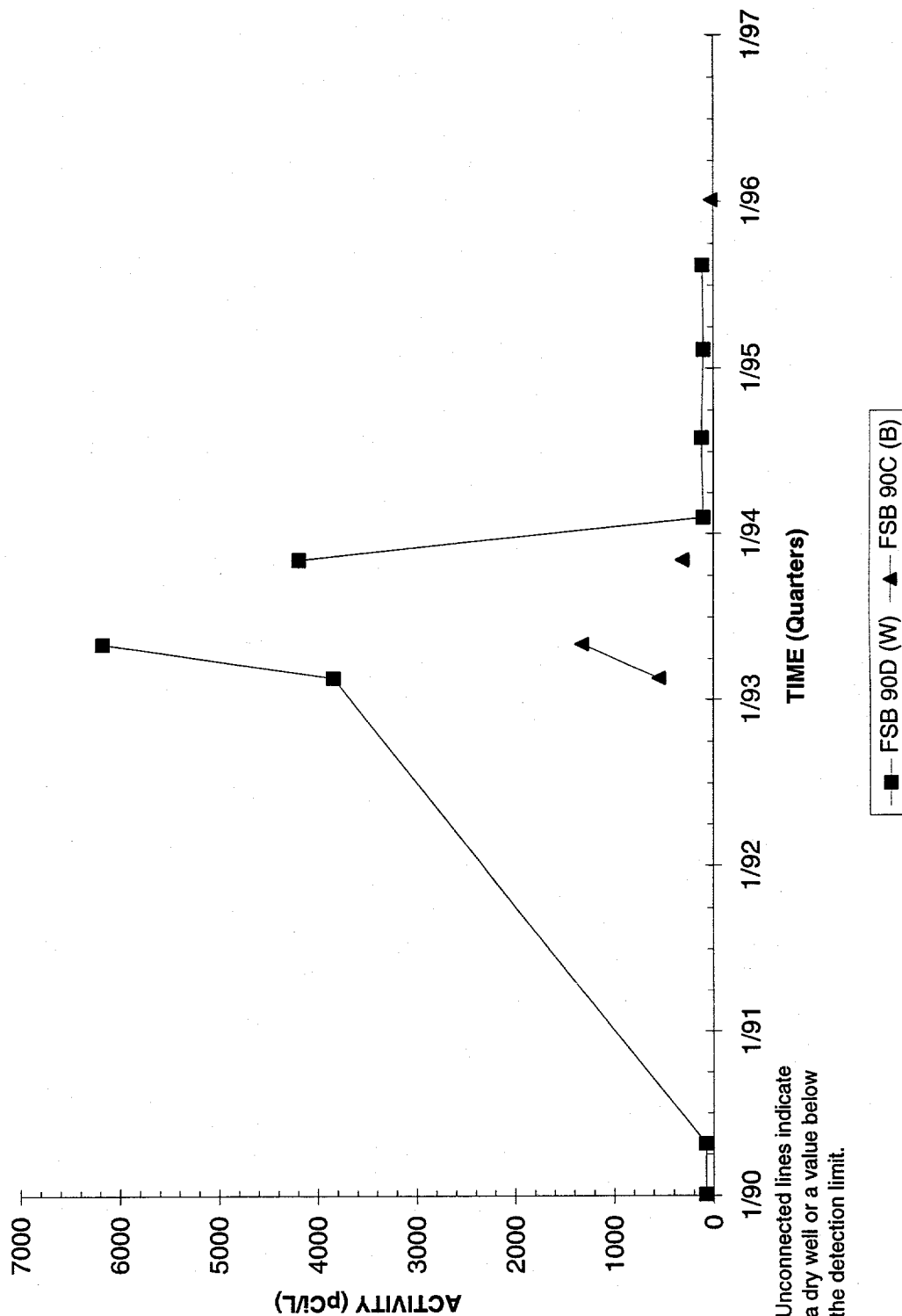
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Technetium-99 Activities Well Cluster FSB 78



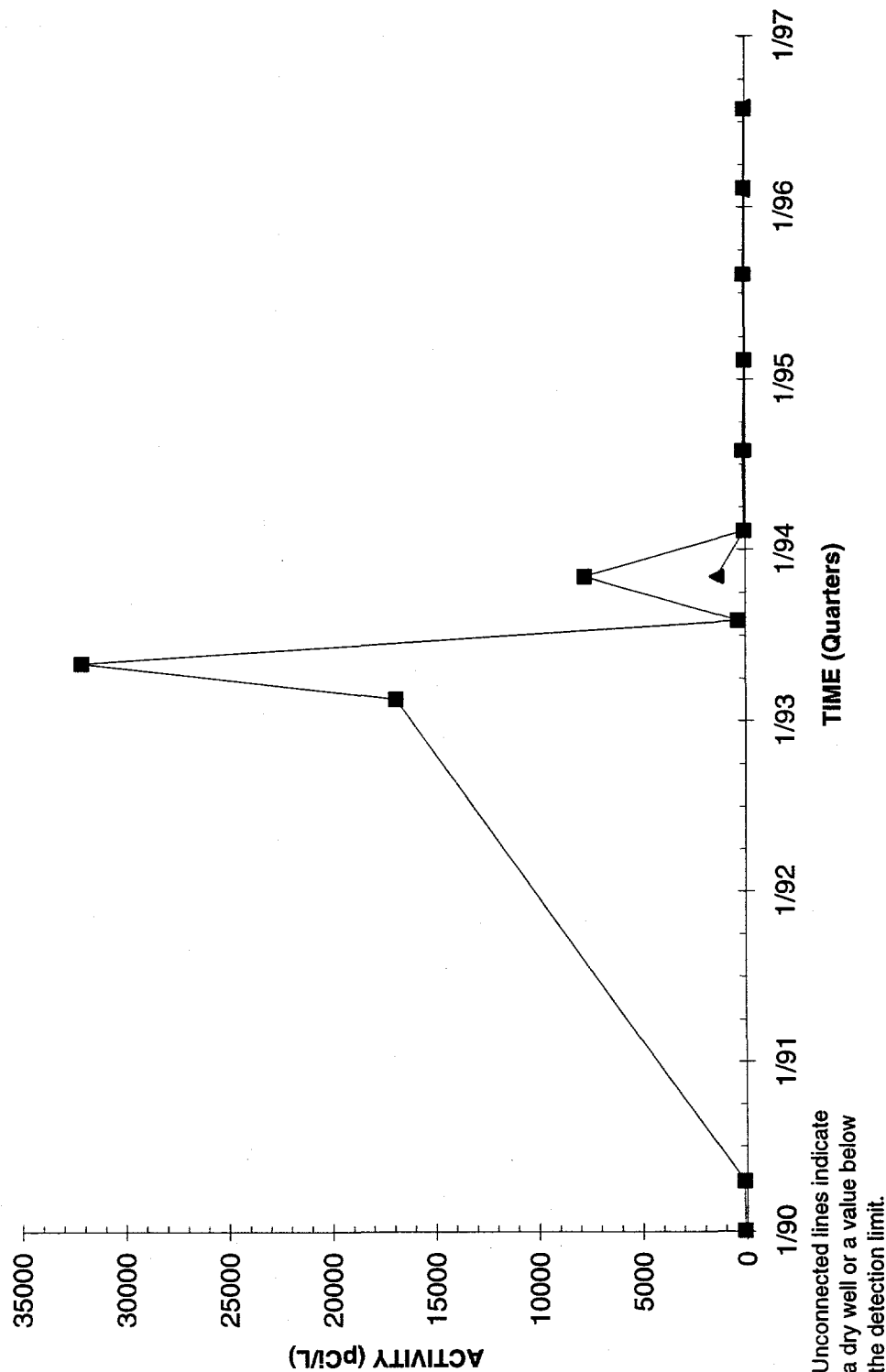
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Technetium-99 Activities Well Cluster FSB 90



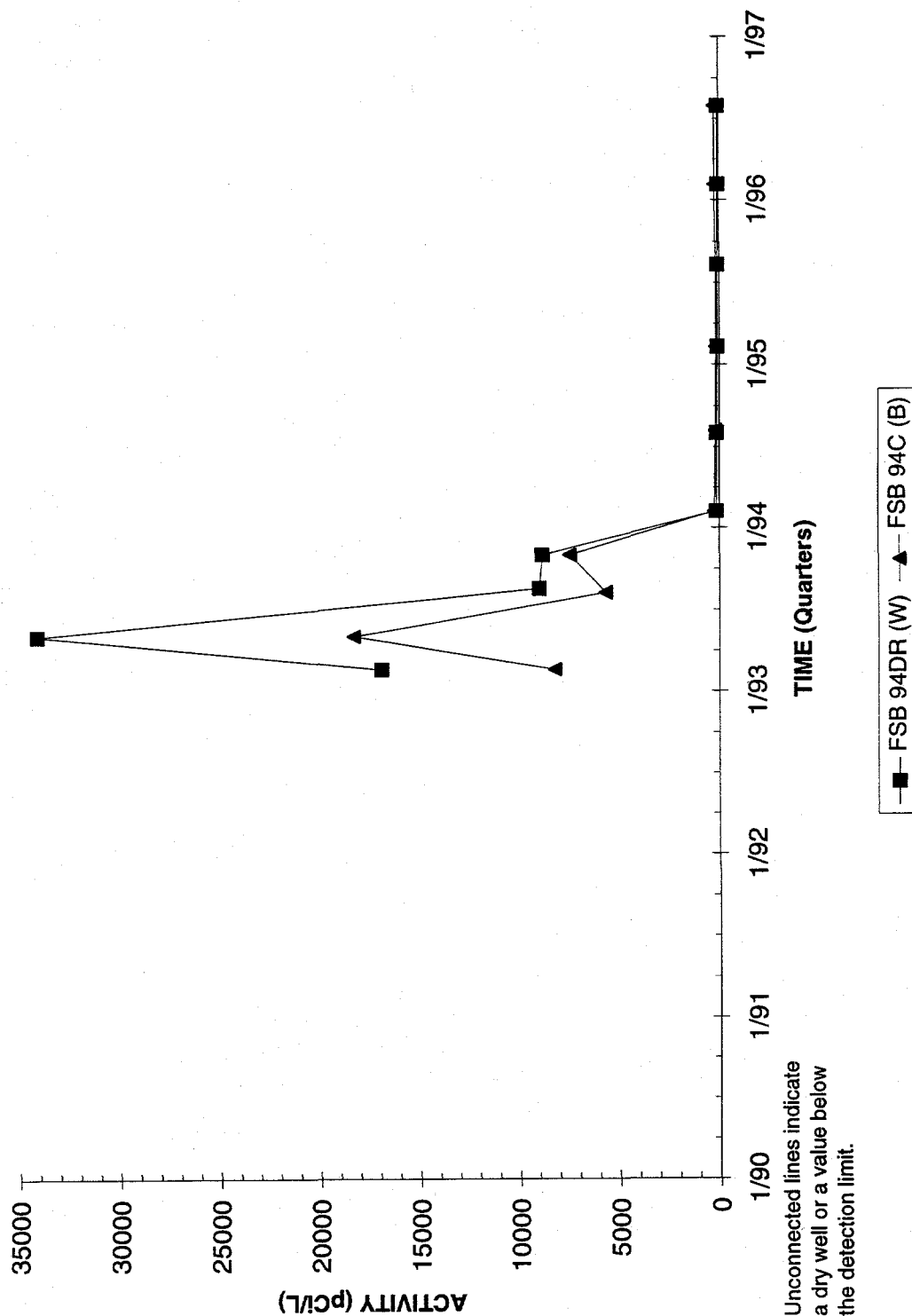
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Technetium-99 Activities Well Cluster FSB 92



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Technetium-99 Activities Well Cluster FSB 94



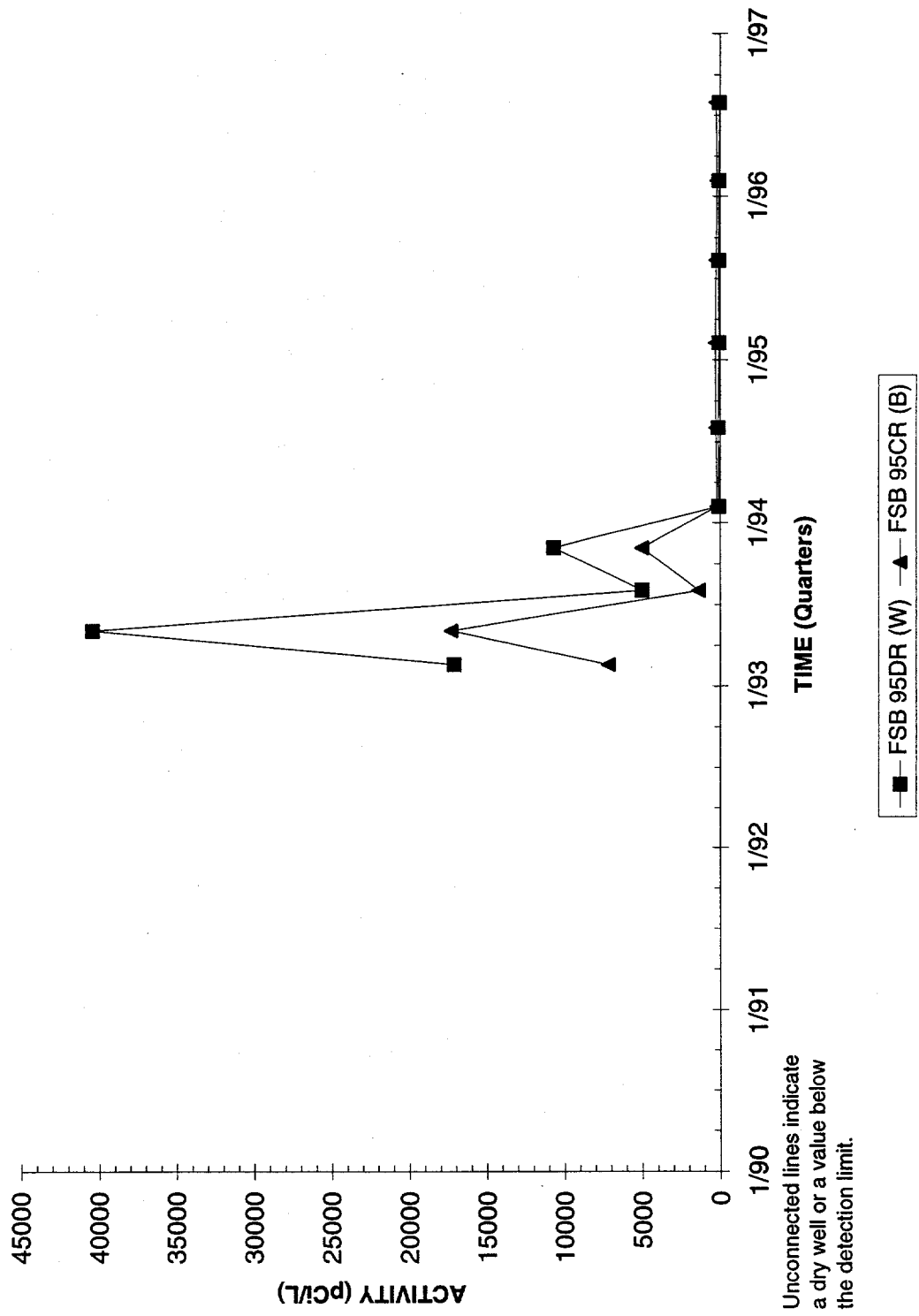
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F-Area HWMF

D - 63

Third and Fourth Quarters 1996

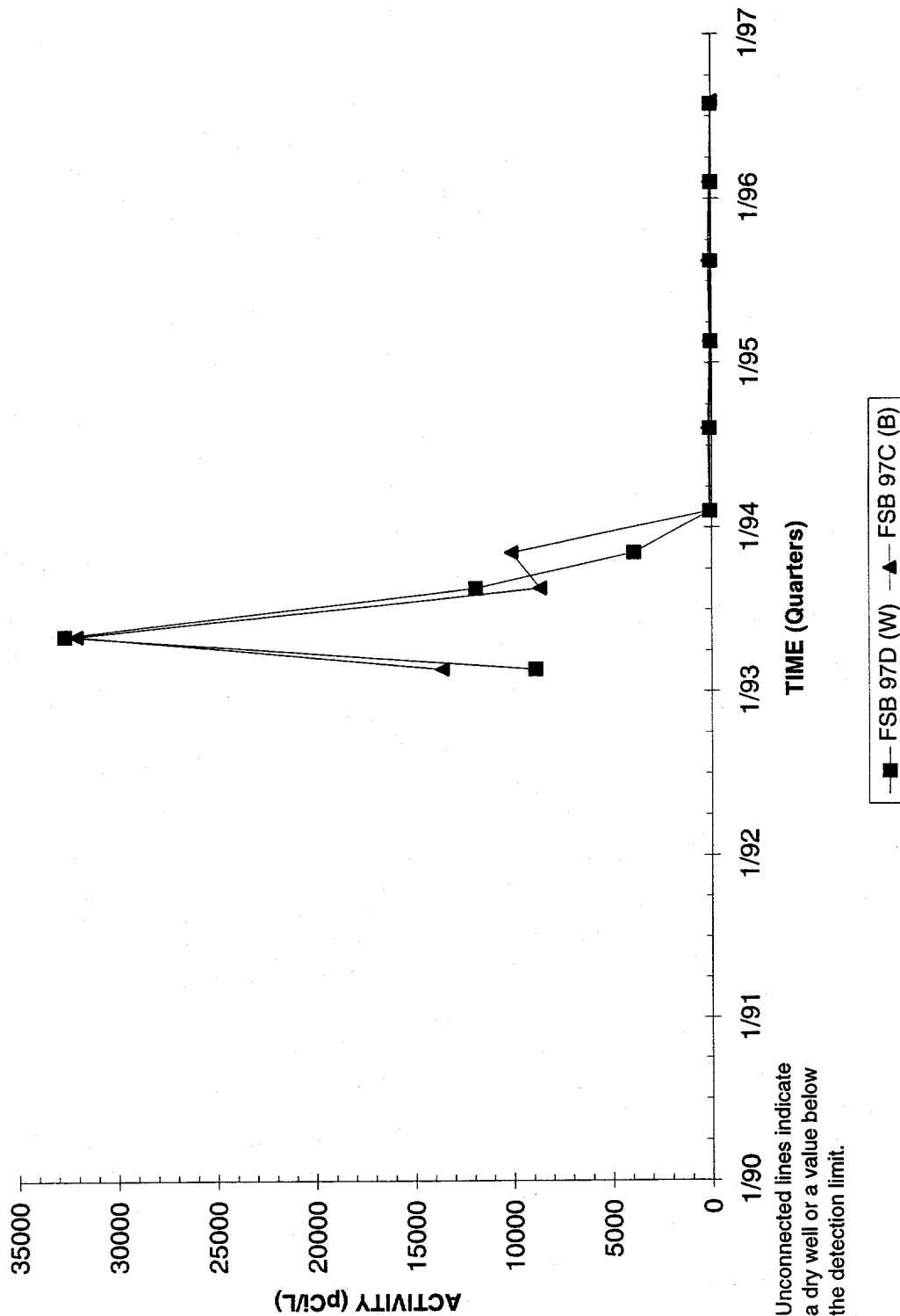
Technetium-99 Activities Well Cluster FSB 95



Unconnected lines indicate a dry well or a value below the detection limit.

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Technetium-99 Activities Well Cluster FSB 97



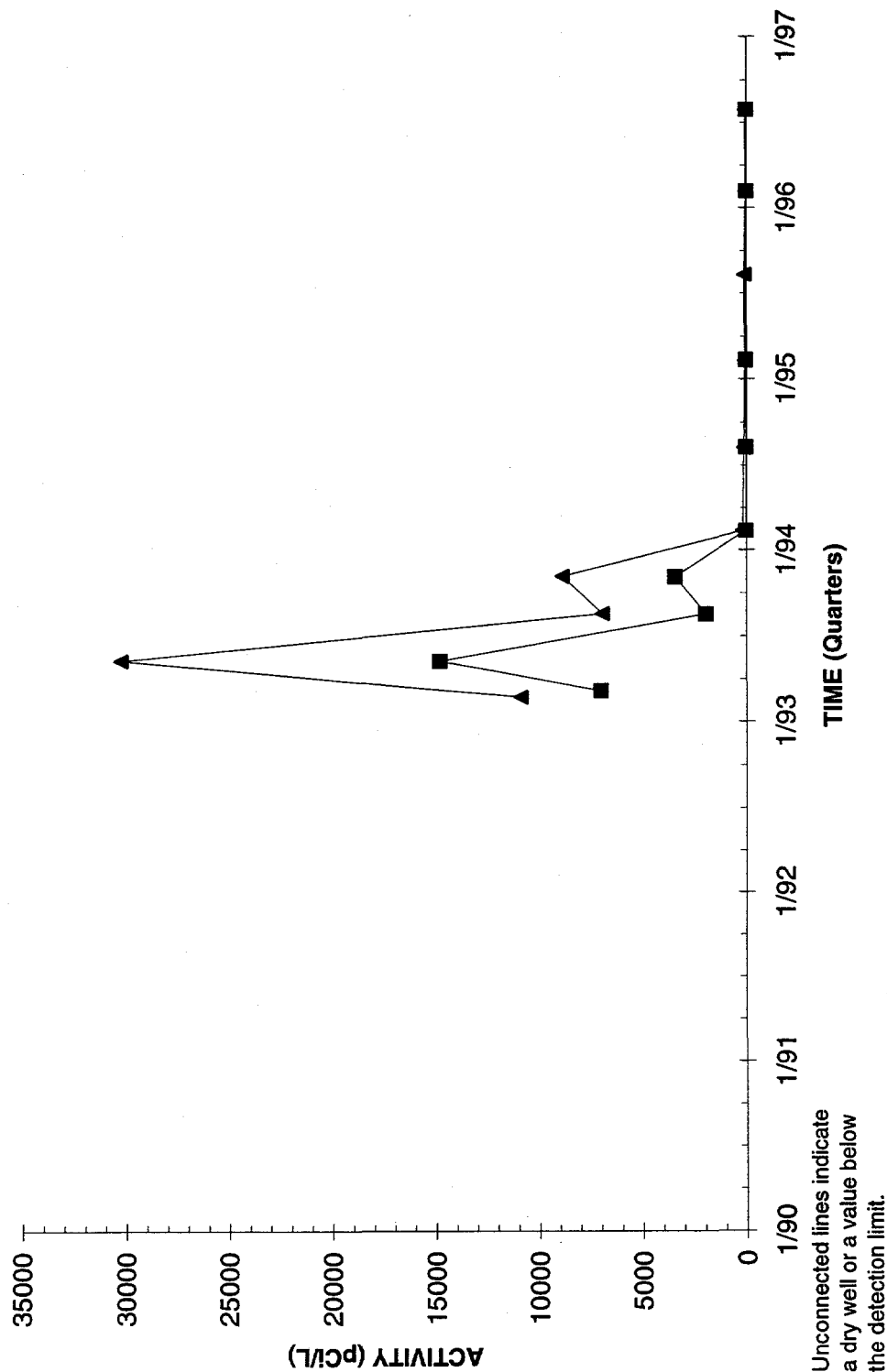
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F-Area HWMF

D - 65

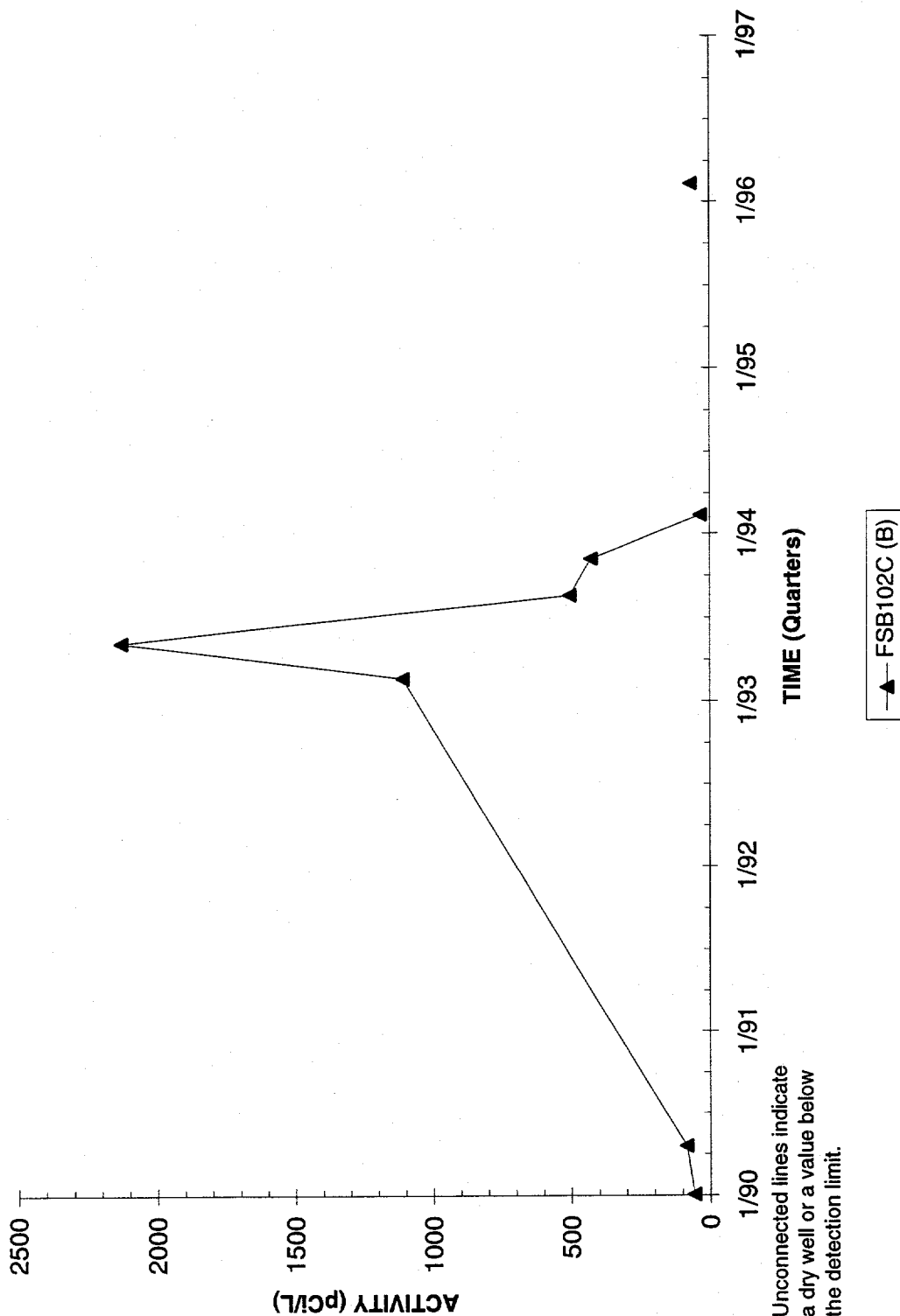
Third and Fourth Quarters 1996

Technetium-99 Activities Well Cluster FSB 98



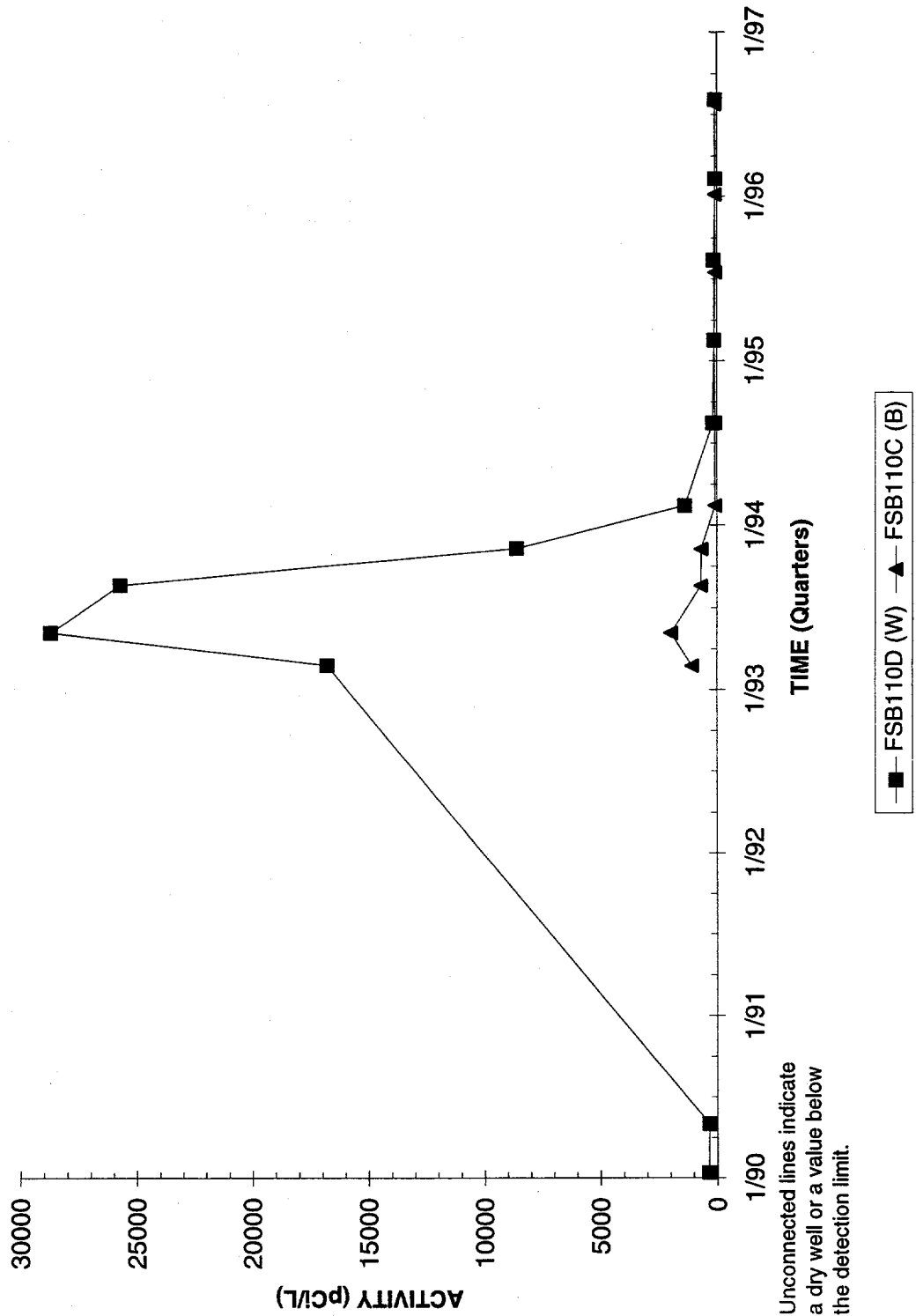
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Technetium-99 Activities Well FSB102C



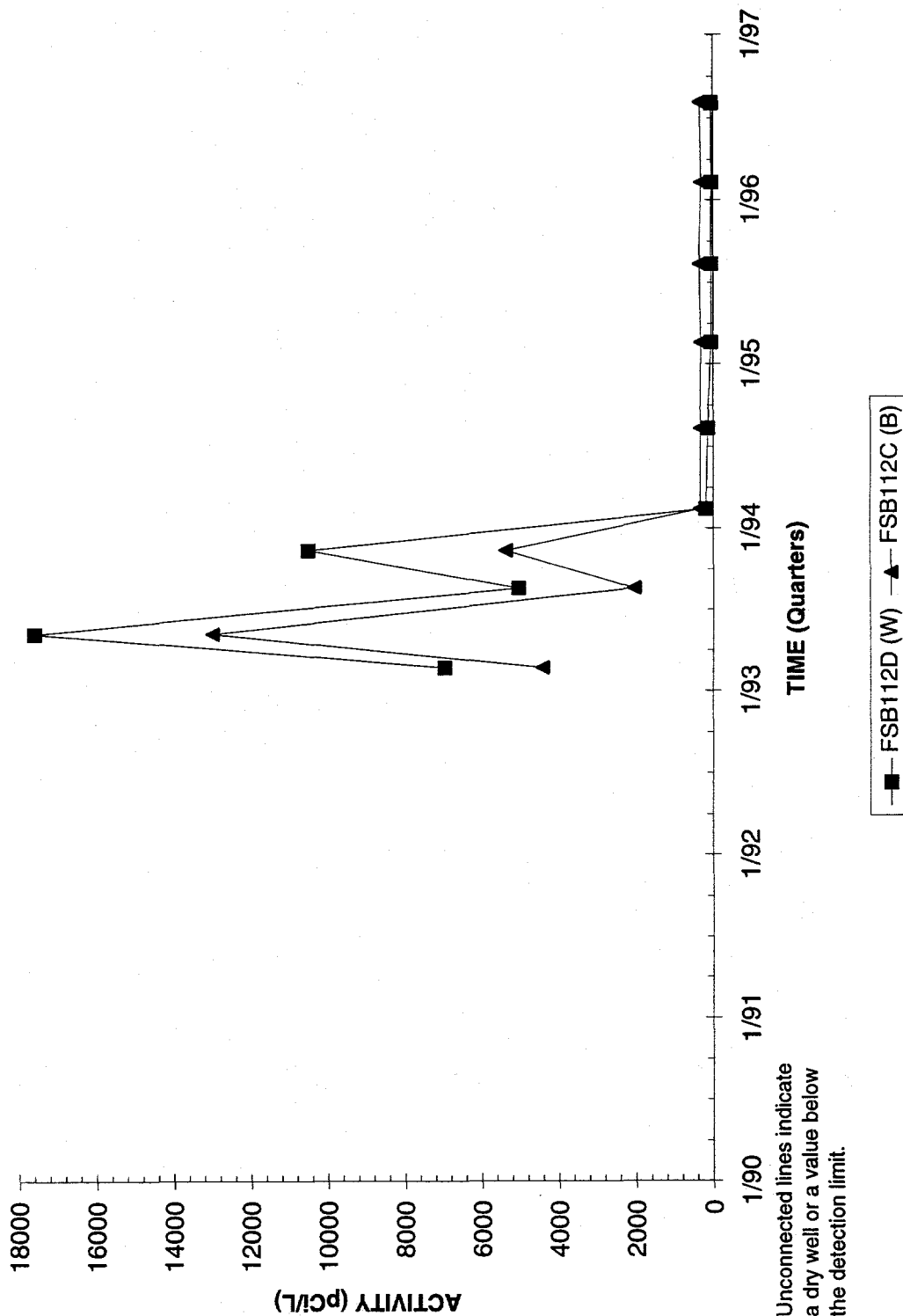
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Technetium-99 Activities Well Cluster FSB110



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Technetium-99 Activities Well Cluster FSB112



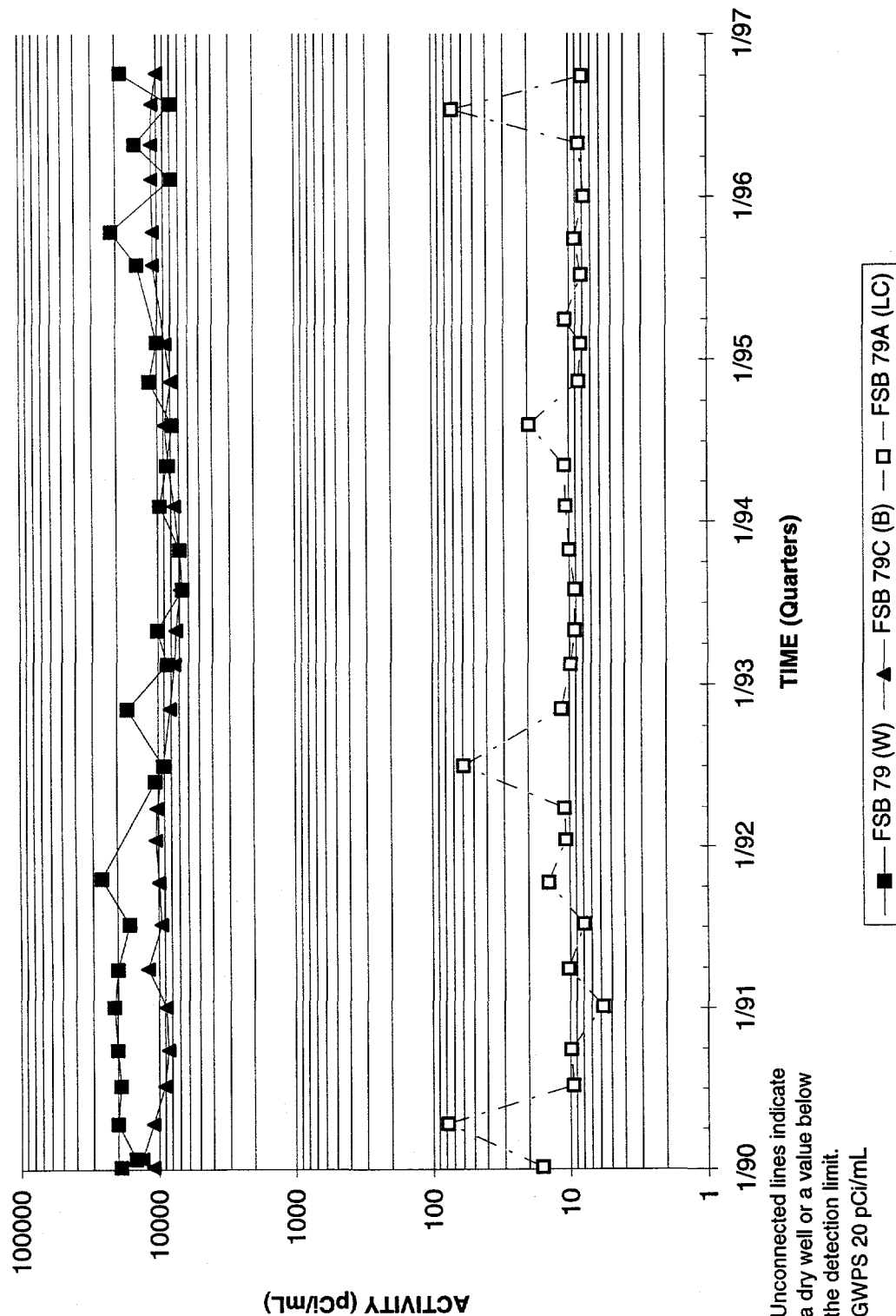
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F-Area HWMF

D - 69

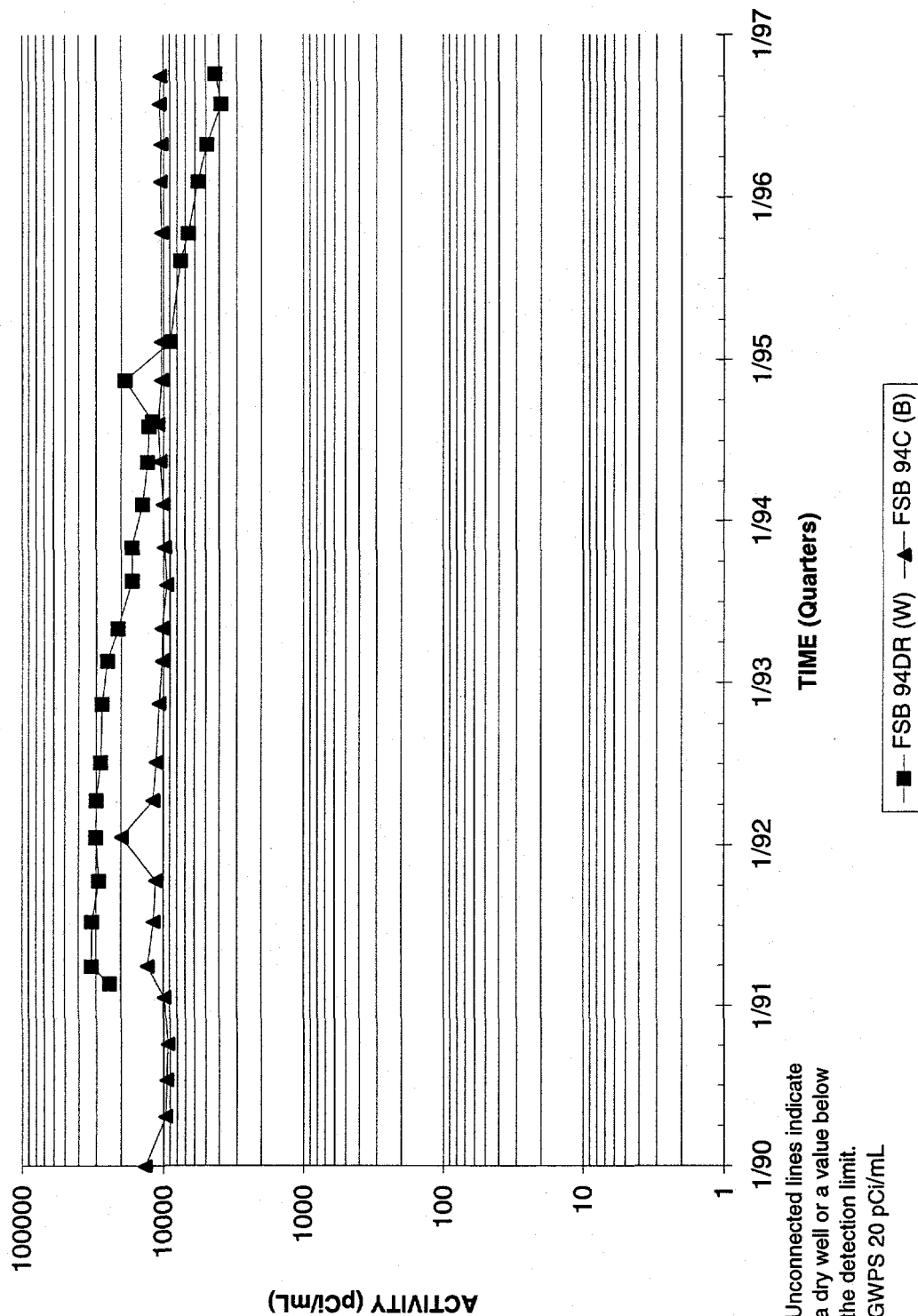
Third and Fourth Quarters 1996

Tritium Activities Well Cluster FSB 79



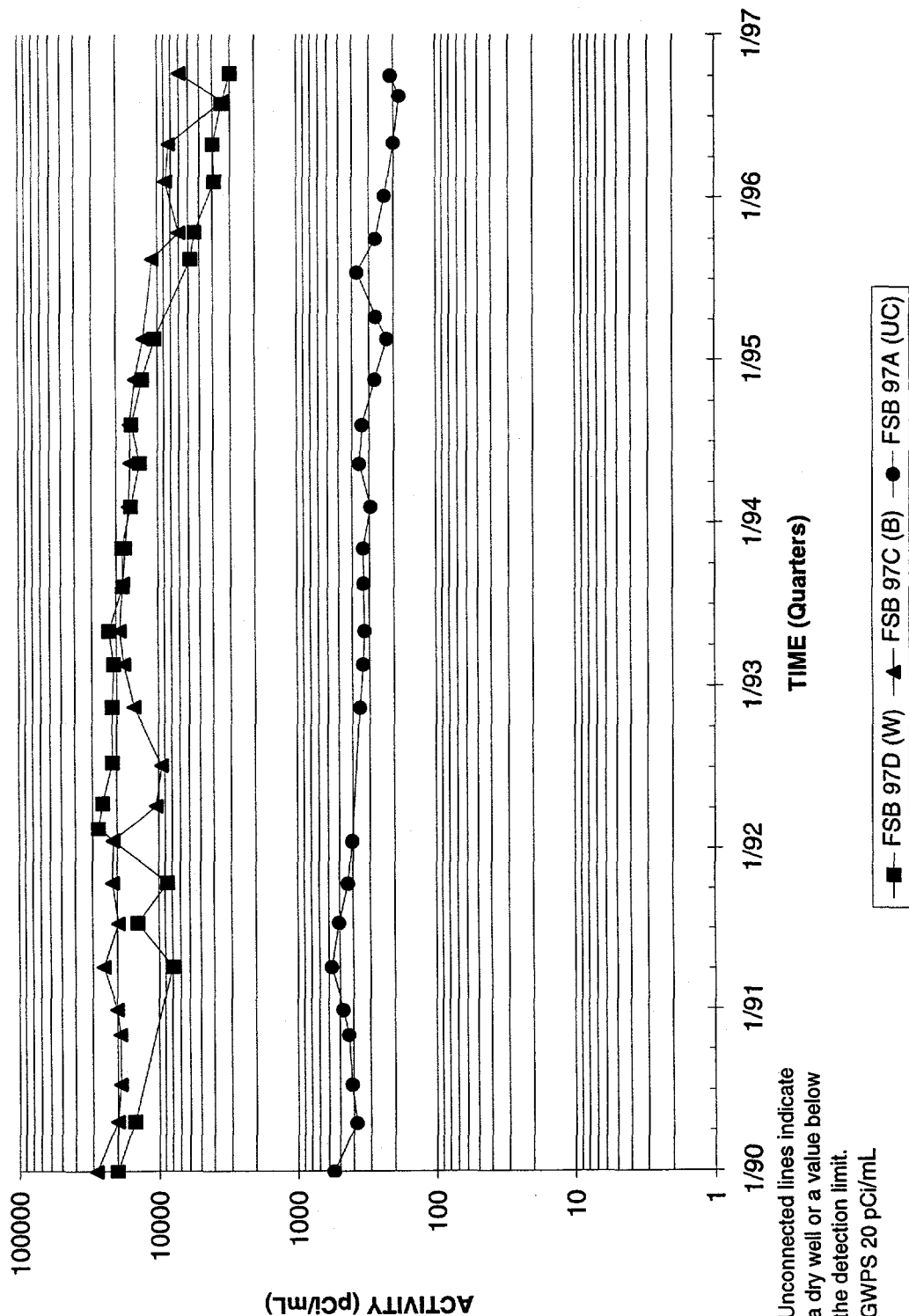
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster FSB 94



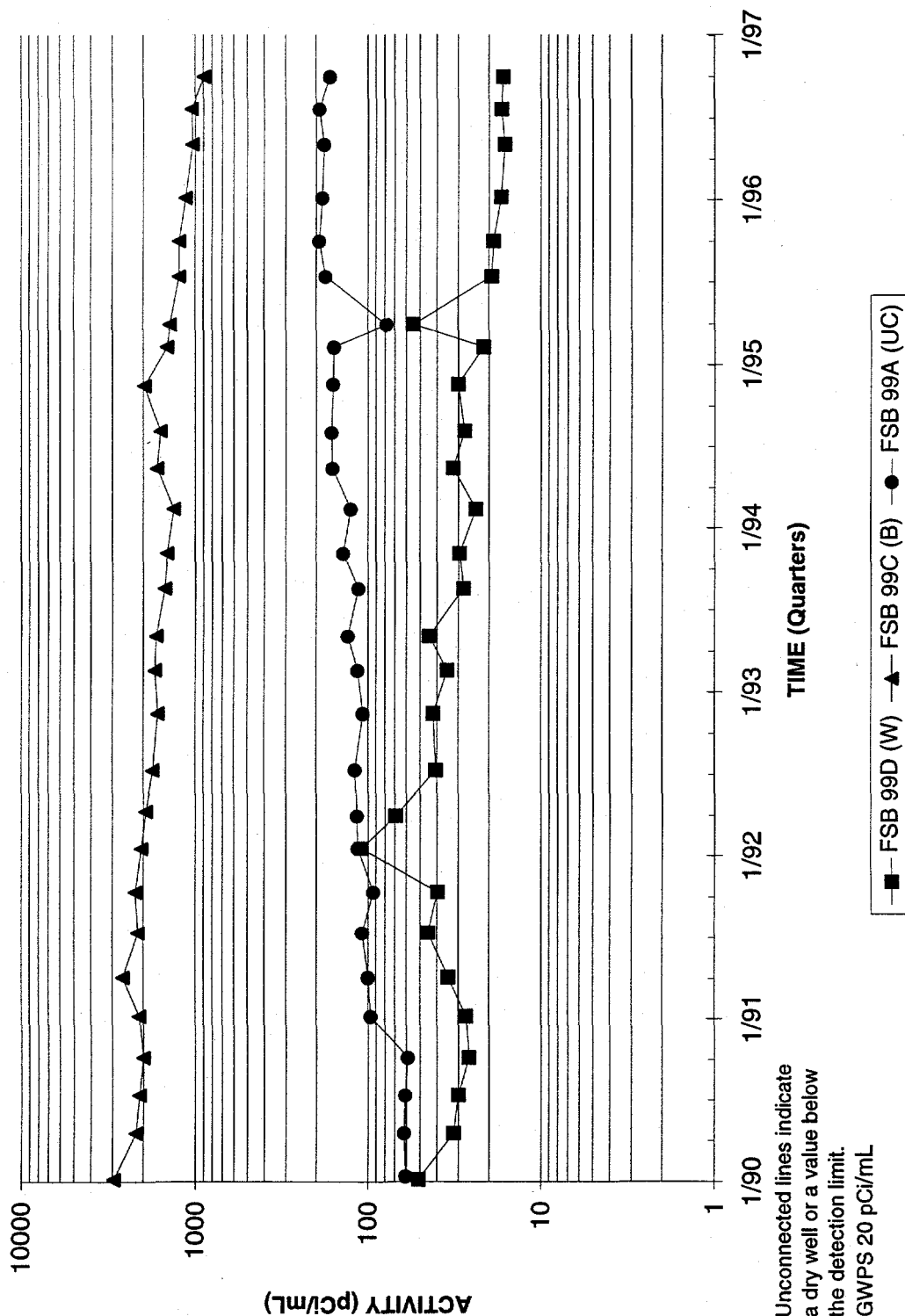
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster FSB 97



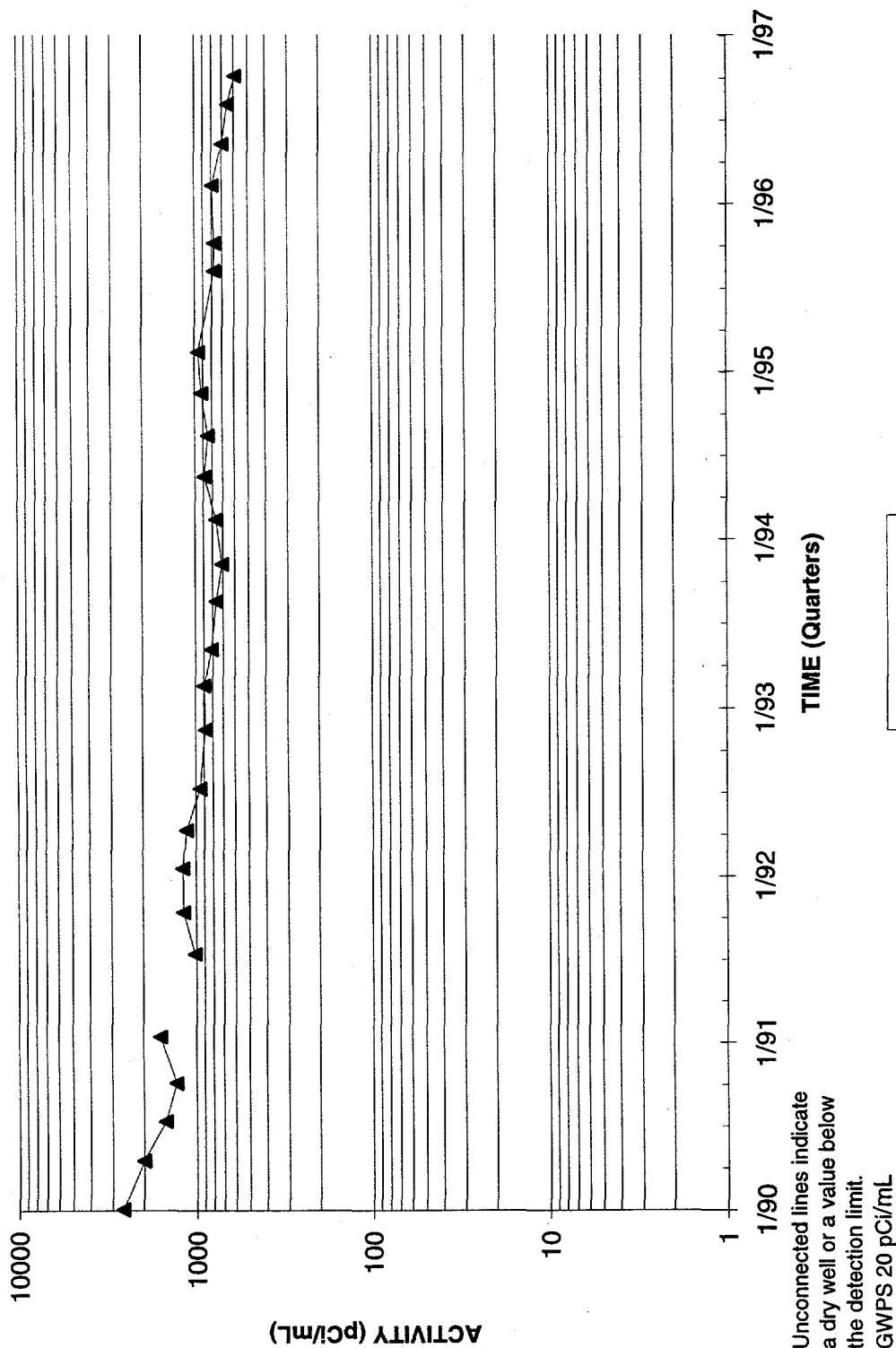
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster FSB 99



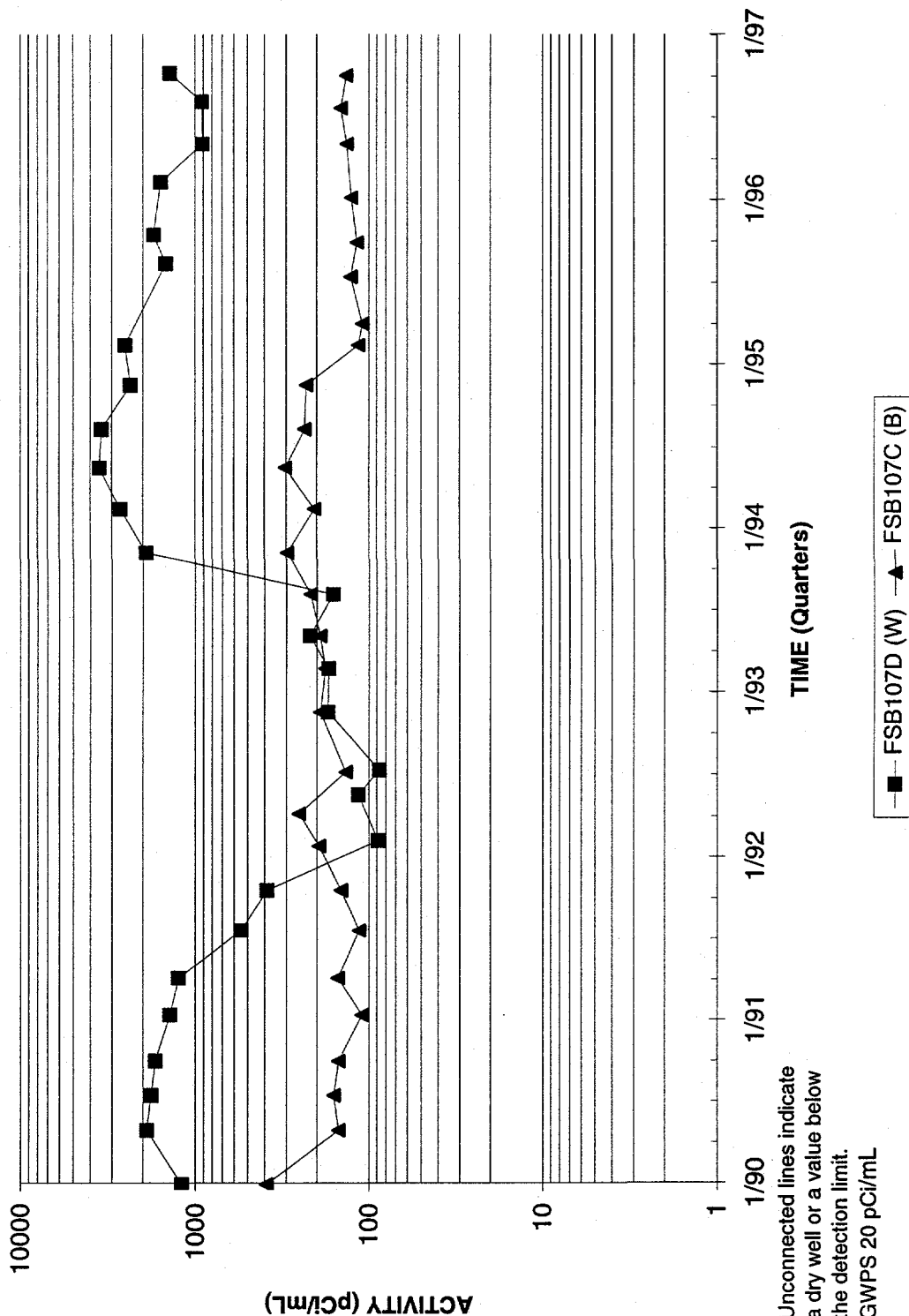
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSB102C



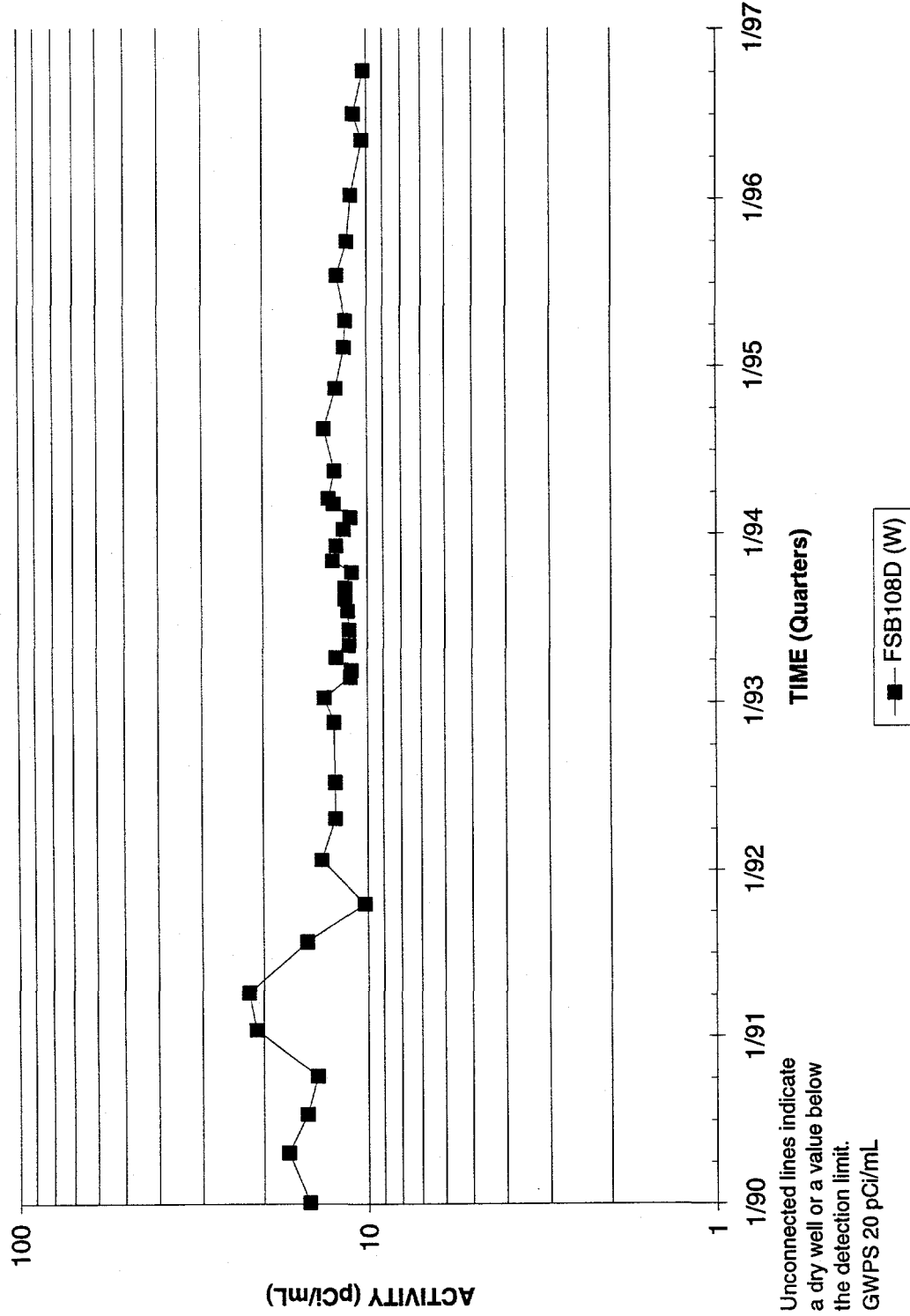
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster FSB107



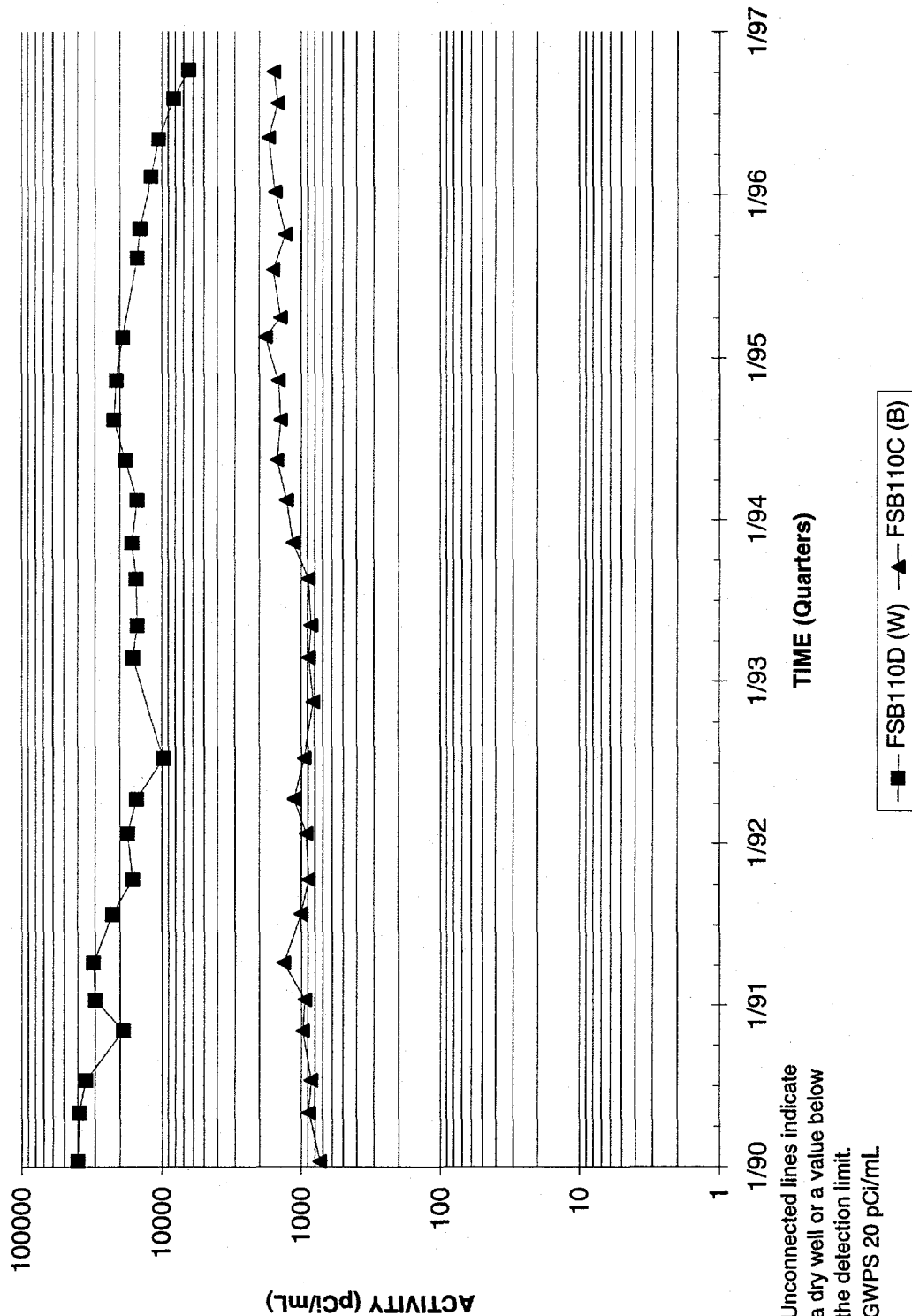
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSB108D



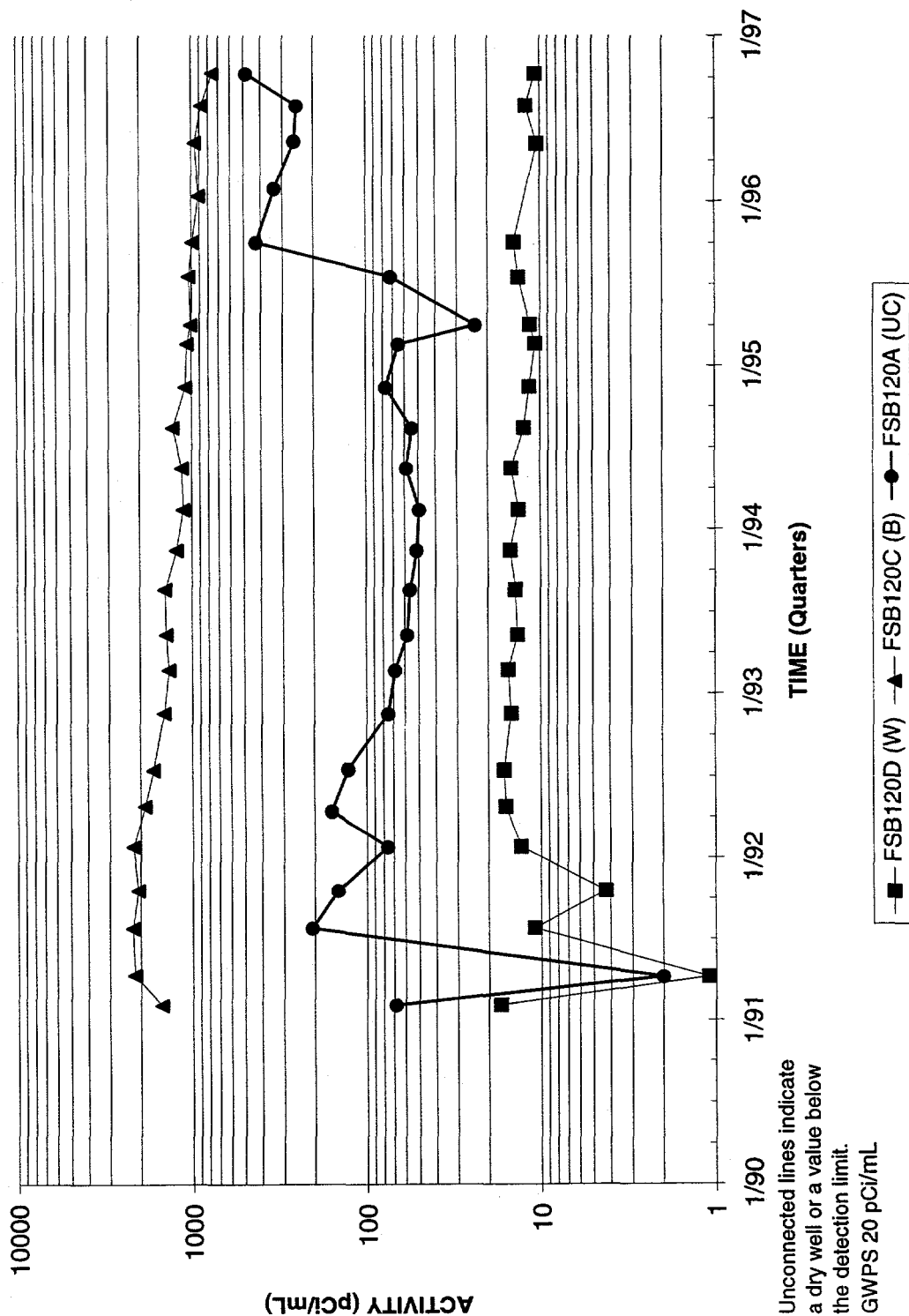
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster FSB110



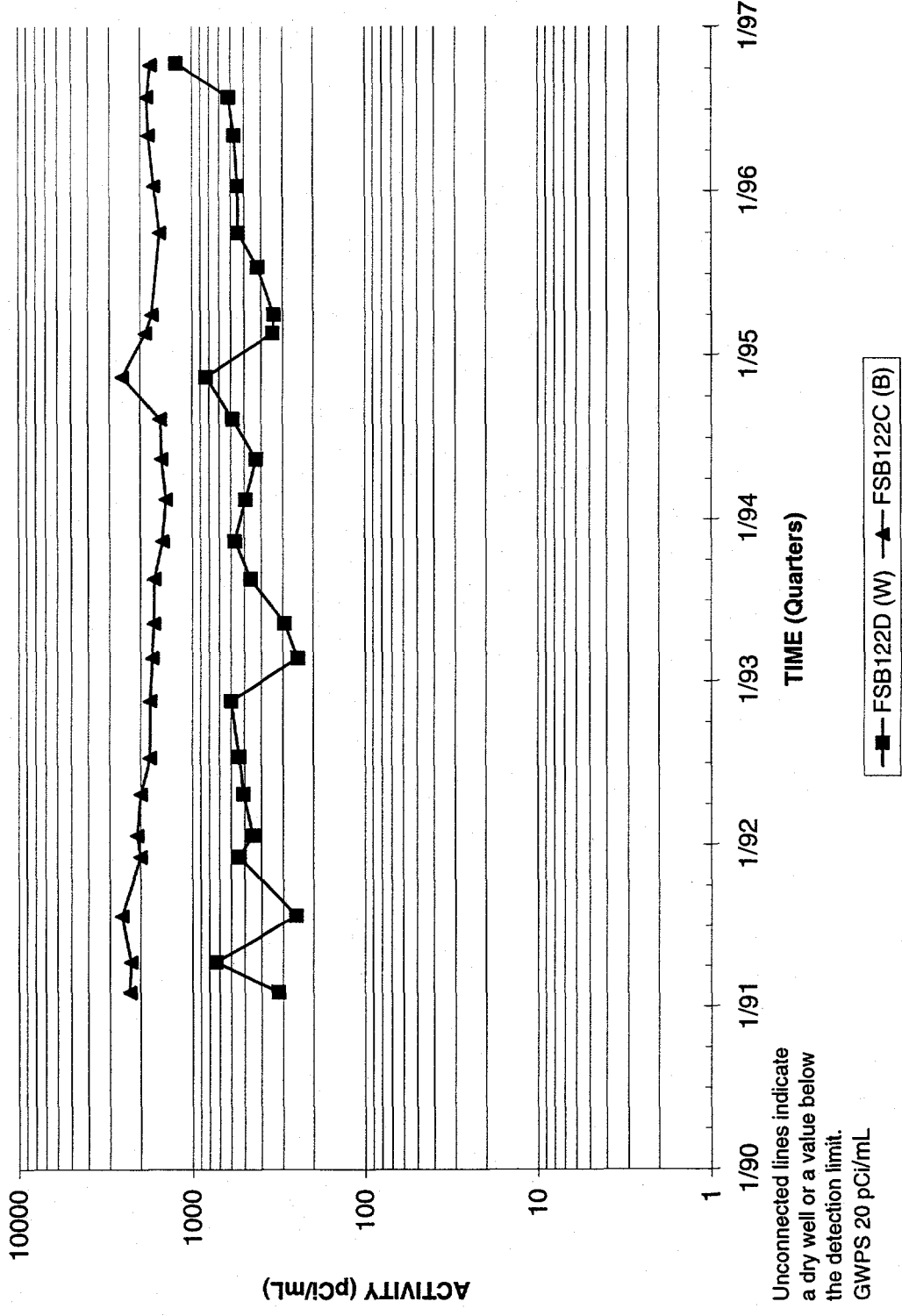
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster FSB120



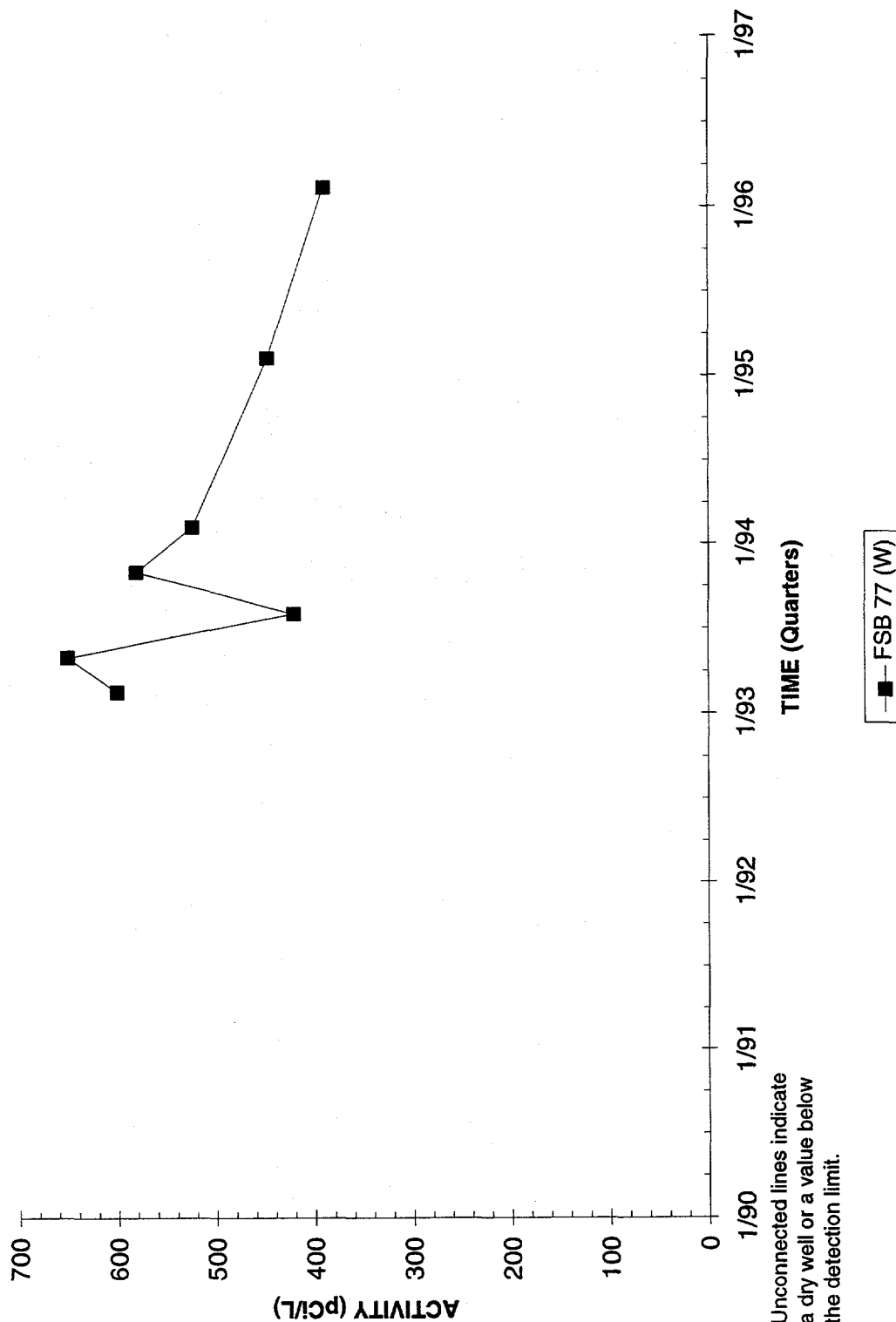
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster FSB122



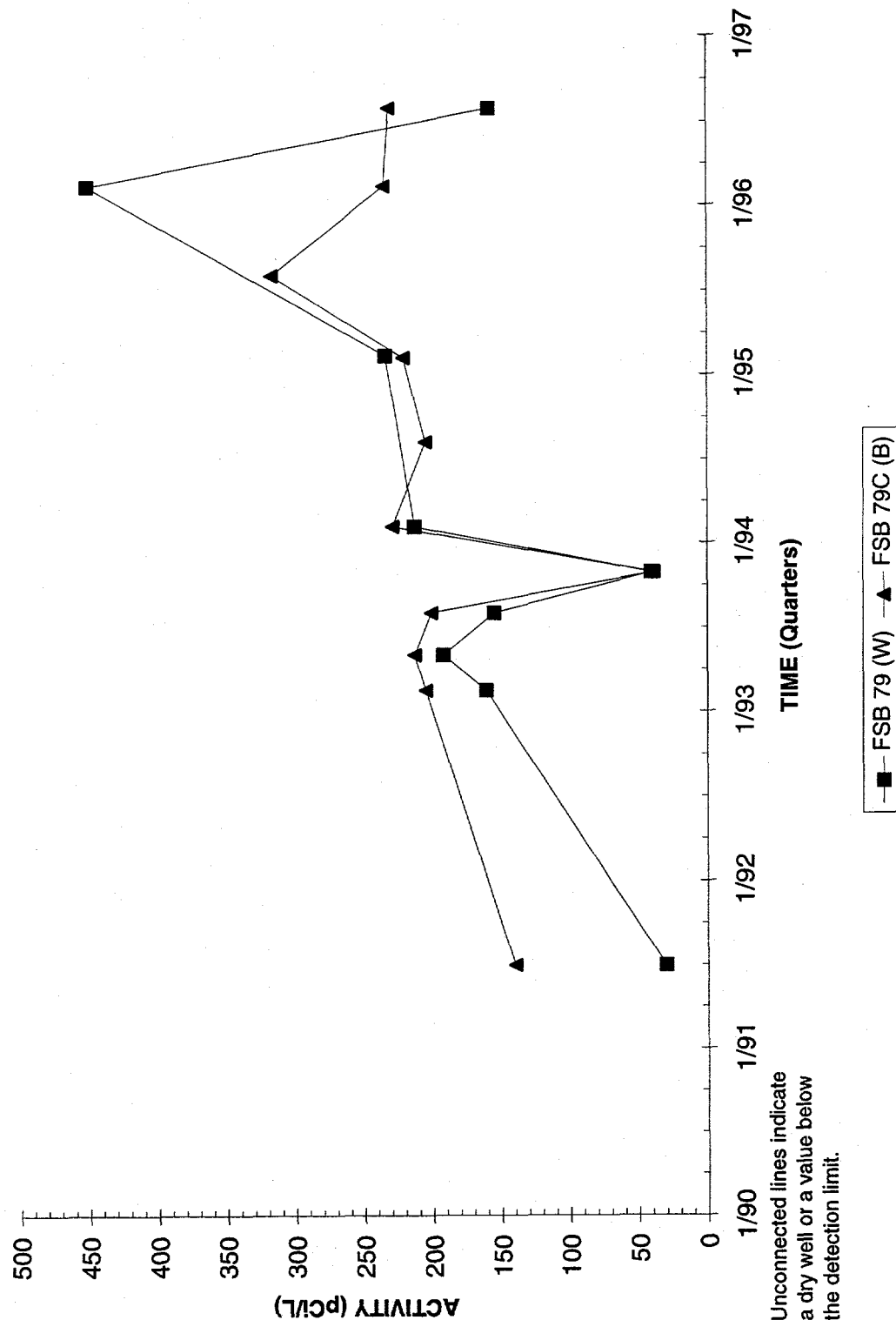
Note: W=Water Table (II B2); B=Barnwell (II B1); M=McBean (II B1); UC=Upper Congaree (II A); MC=Middle Congaree (II A); LC=Lower Congaree (II A)

Uranium-233/234 Activities Well FSB 77



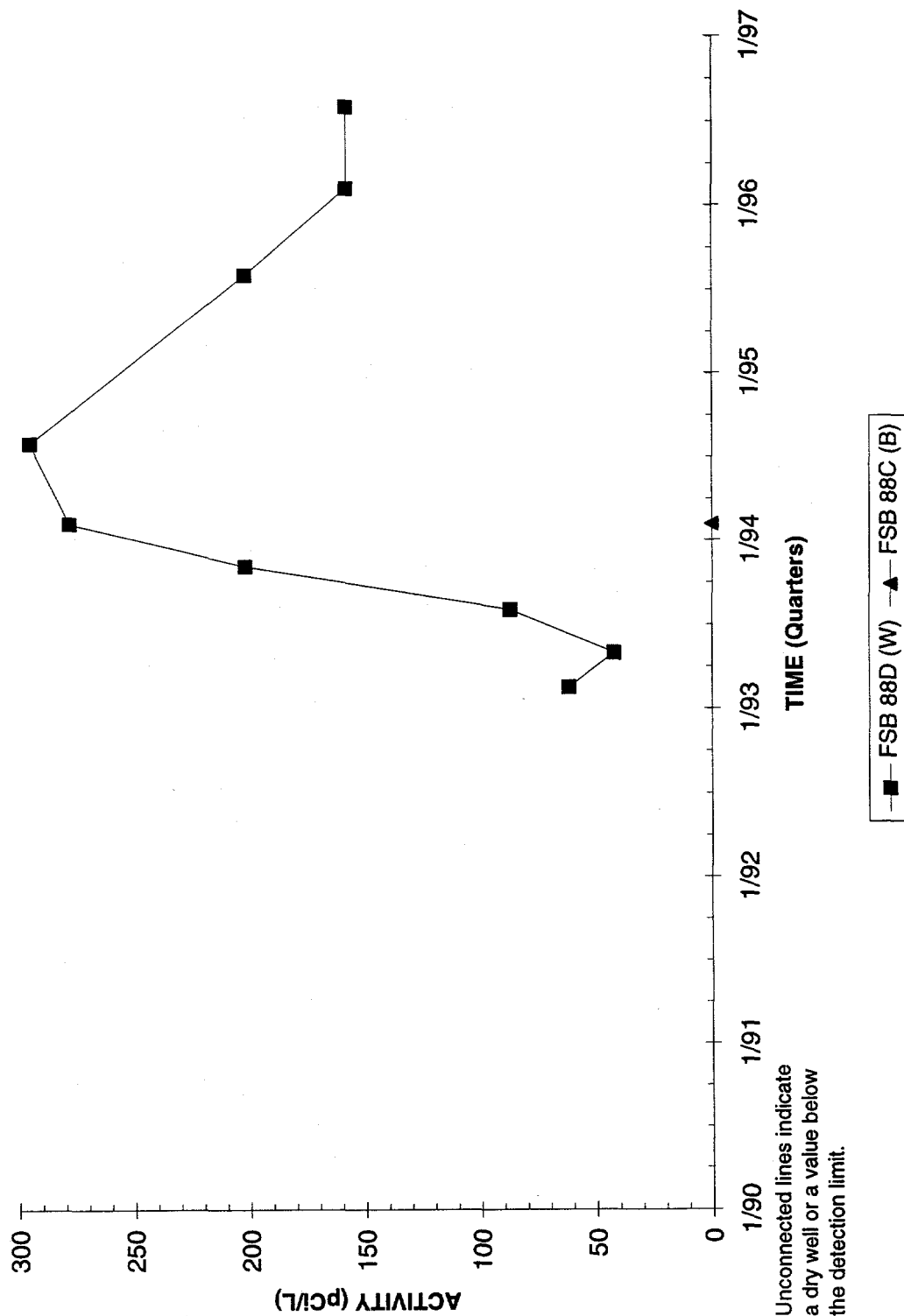
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-233/234 Activities Well Cluster FSB 79



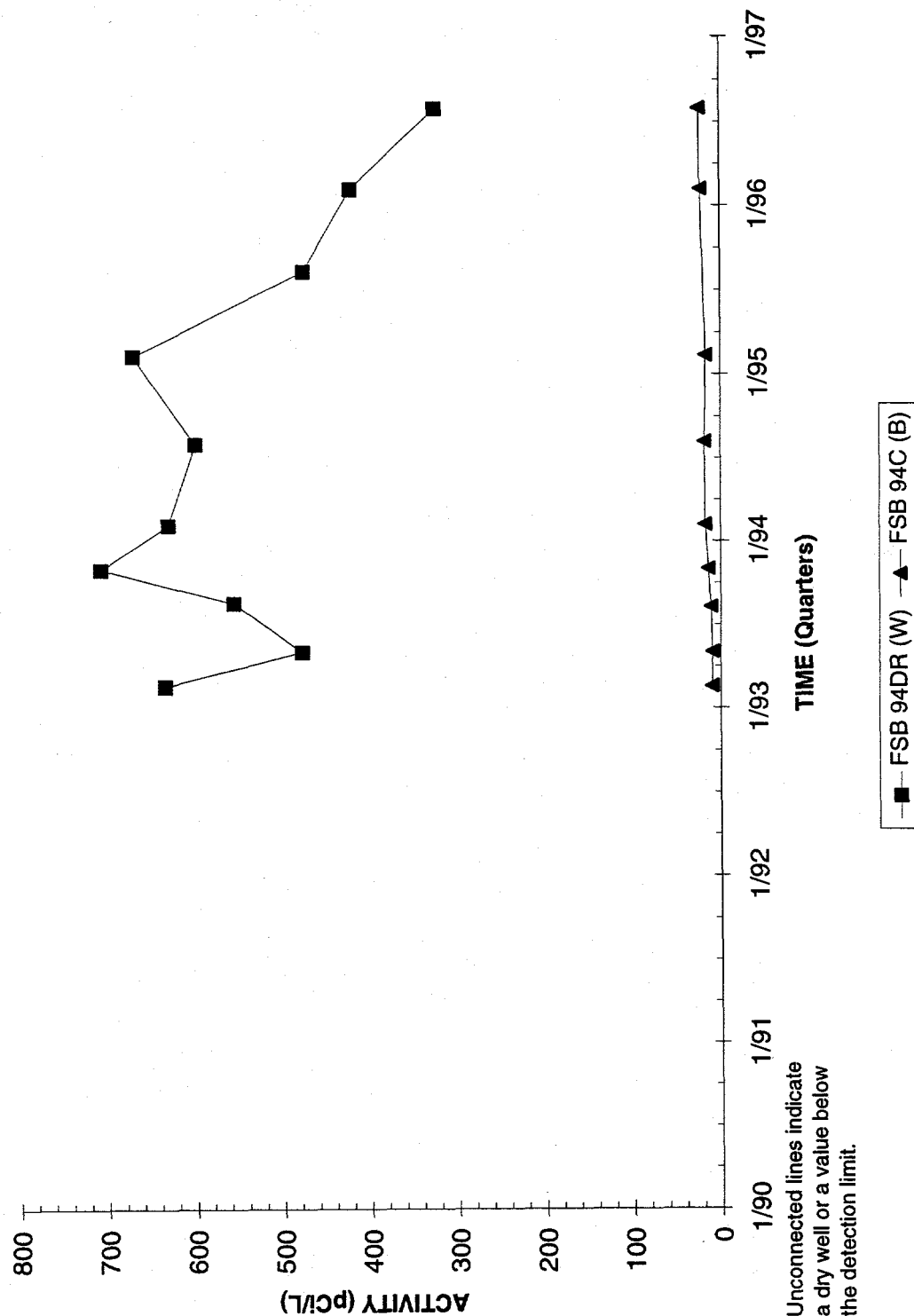
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-233/234 Activities Well Cluster FSB 88



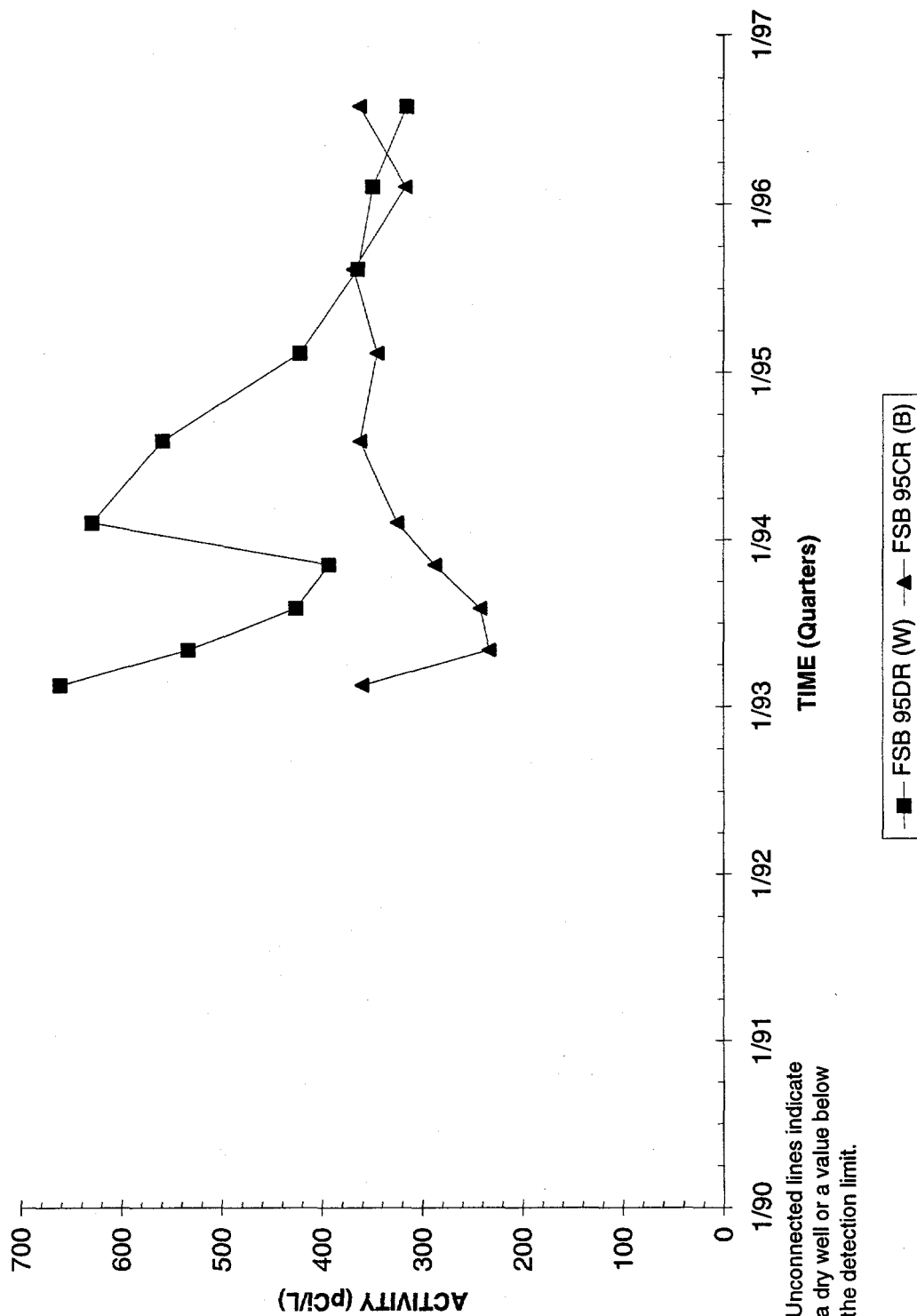
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-233/234 Activities Well Cluster FSB 94



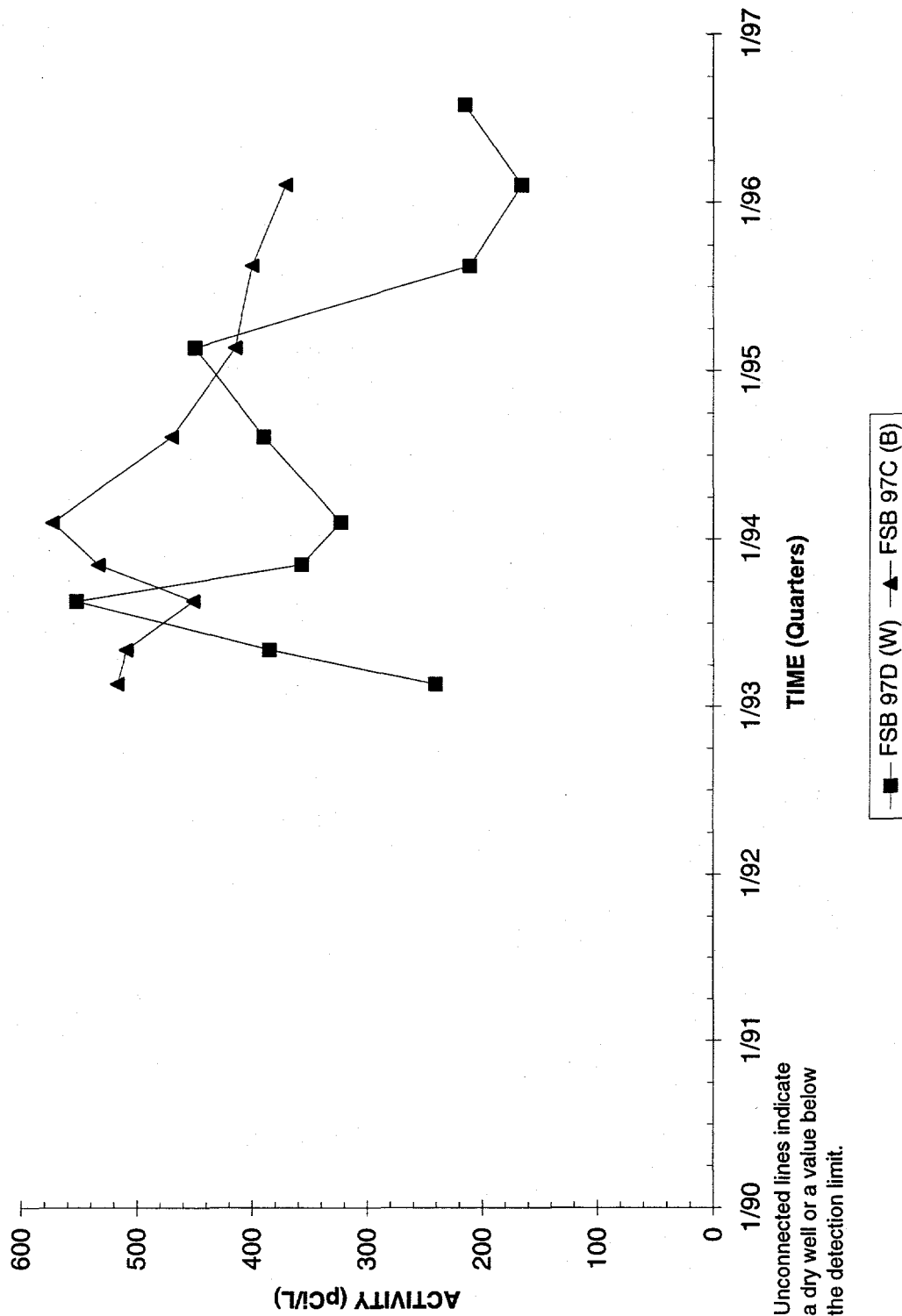
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-233/234 Activities Well Cluster FSB 95



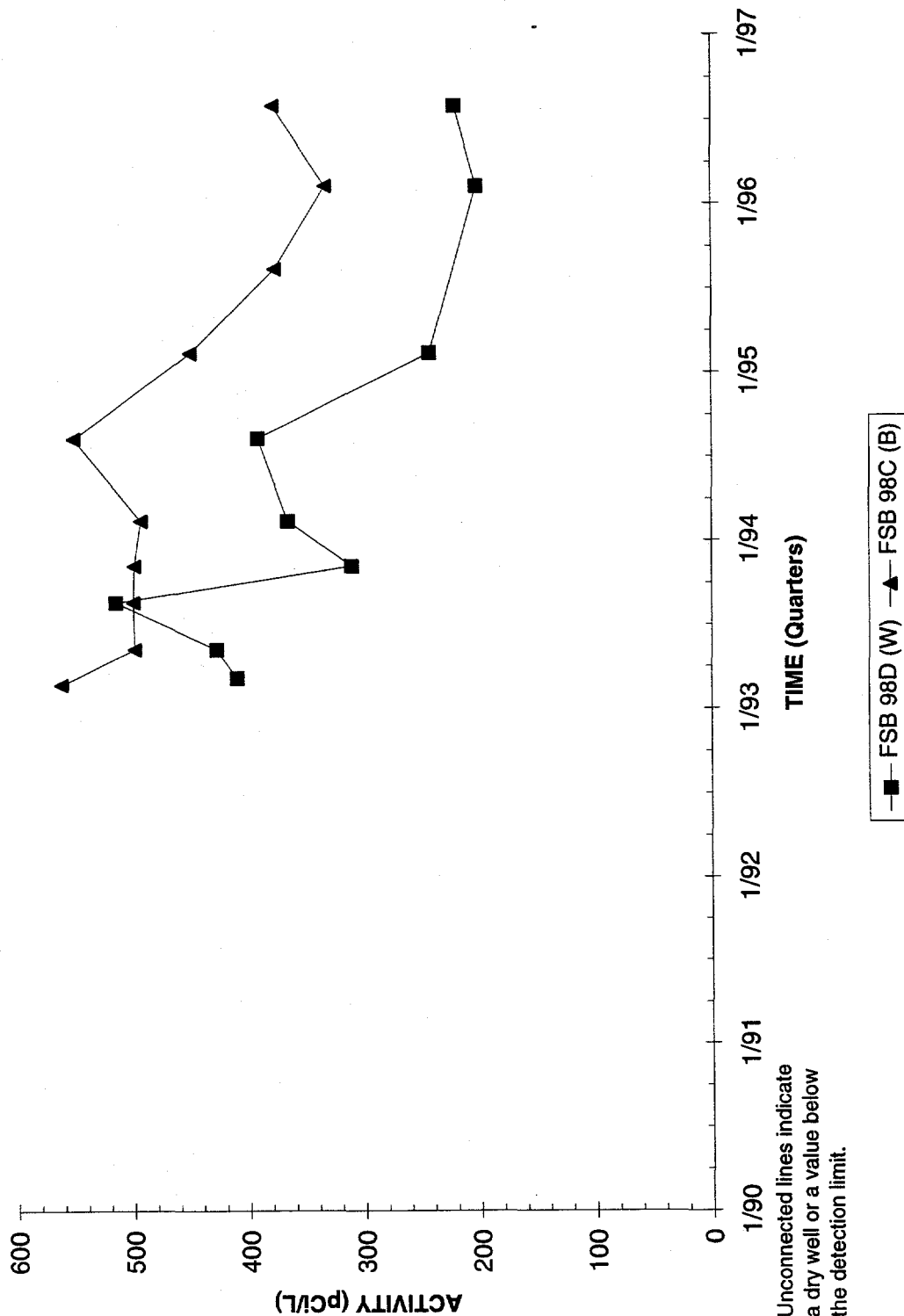
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-233/234 Activities Well Cluster FSB 97



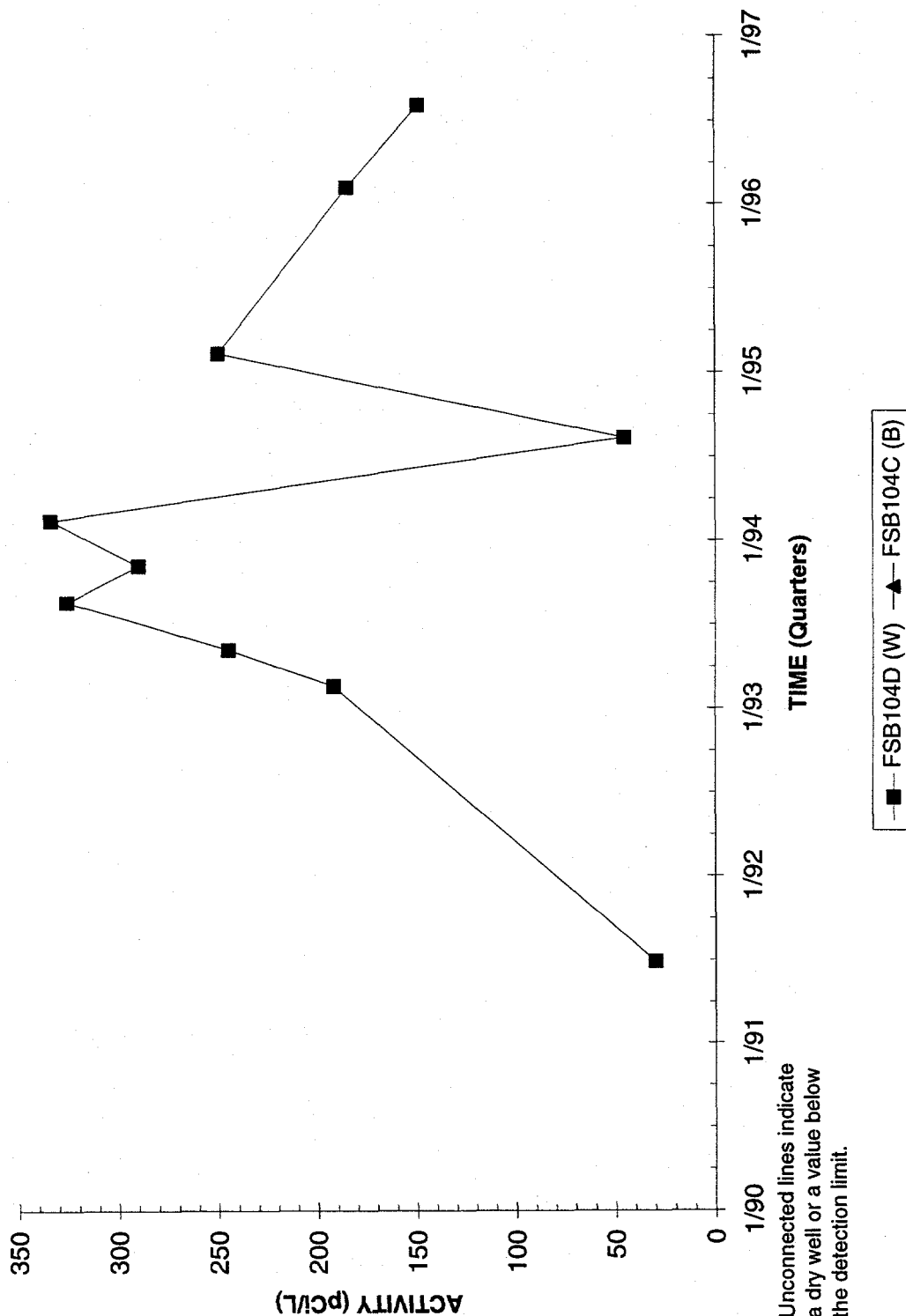
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-233/234 Activities Well Cluster FSB 98



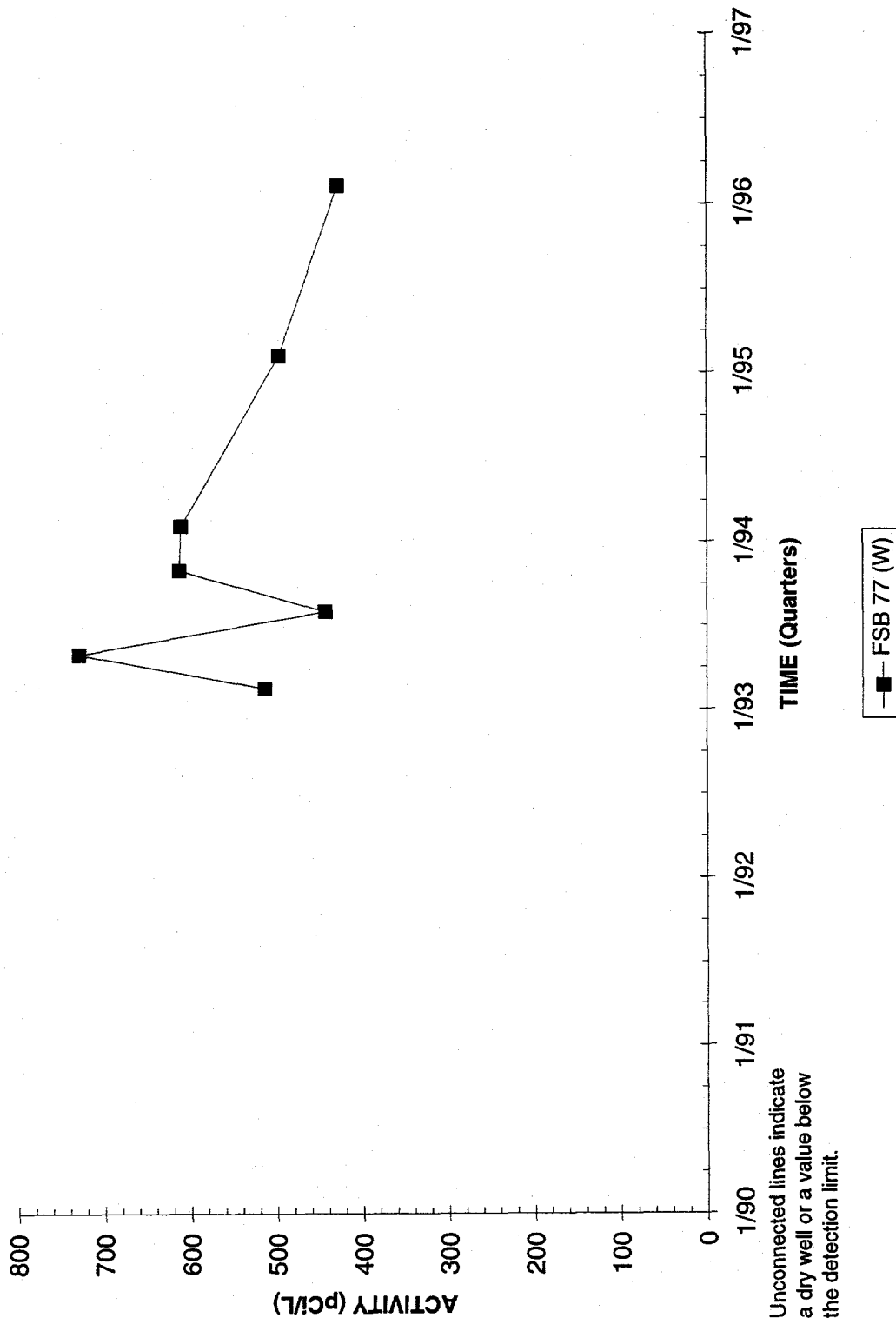
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-233/234 Activities Well Cluster FSB104



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-238 Activities Well FSB 77



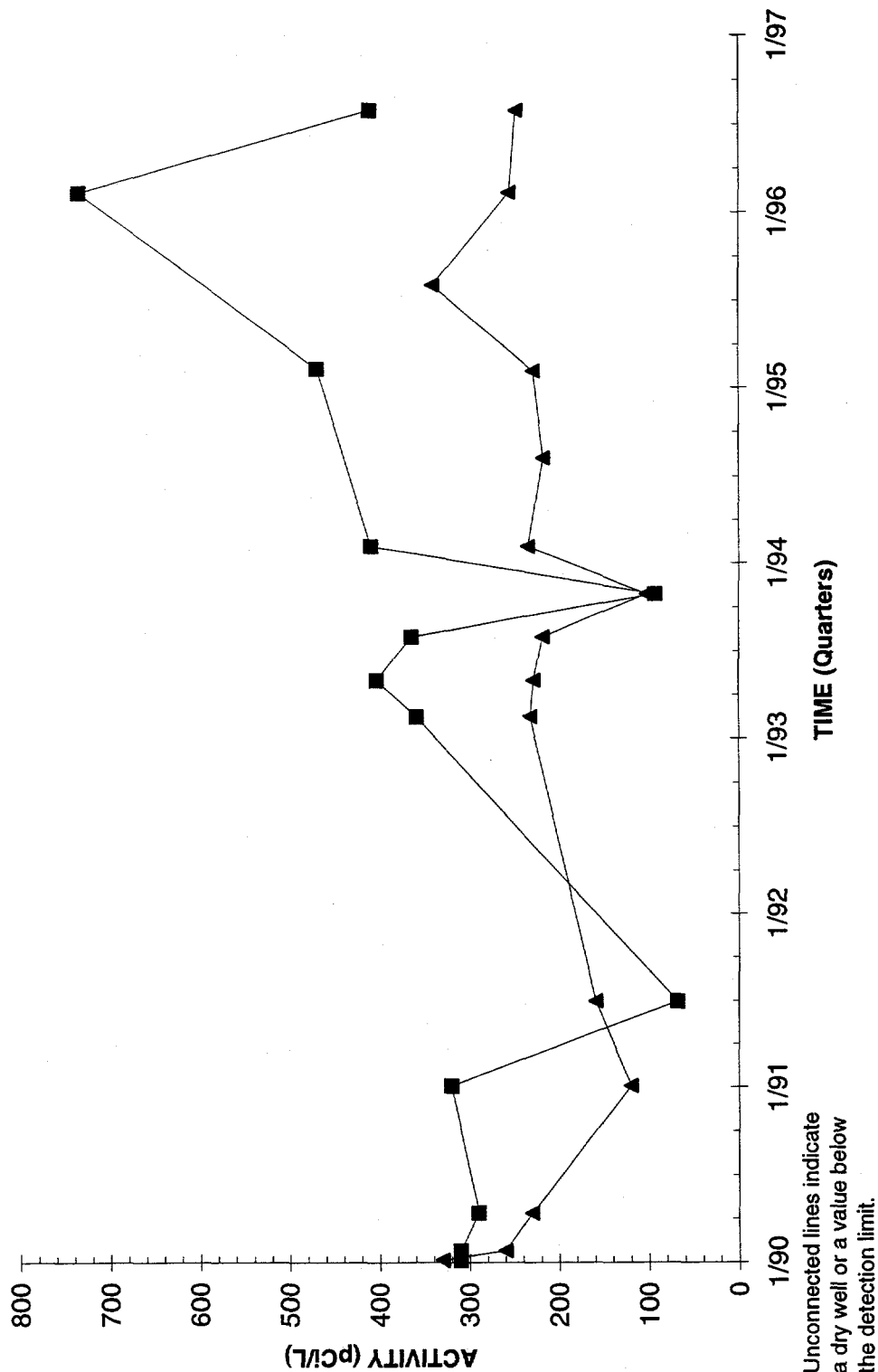
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F-Area HWMF

D - 89

Third and Fourth Quarters 1996

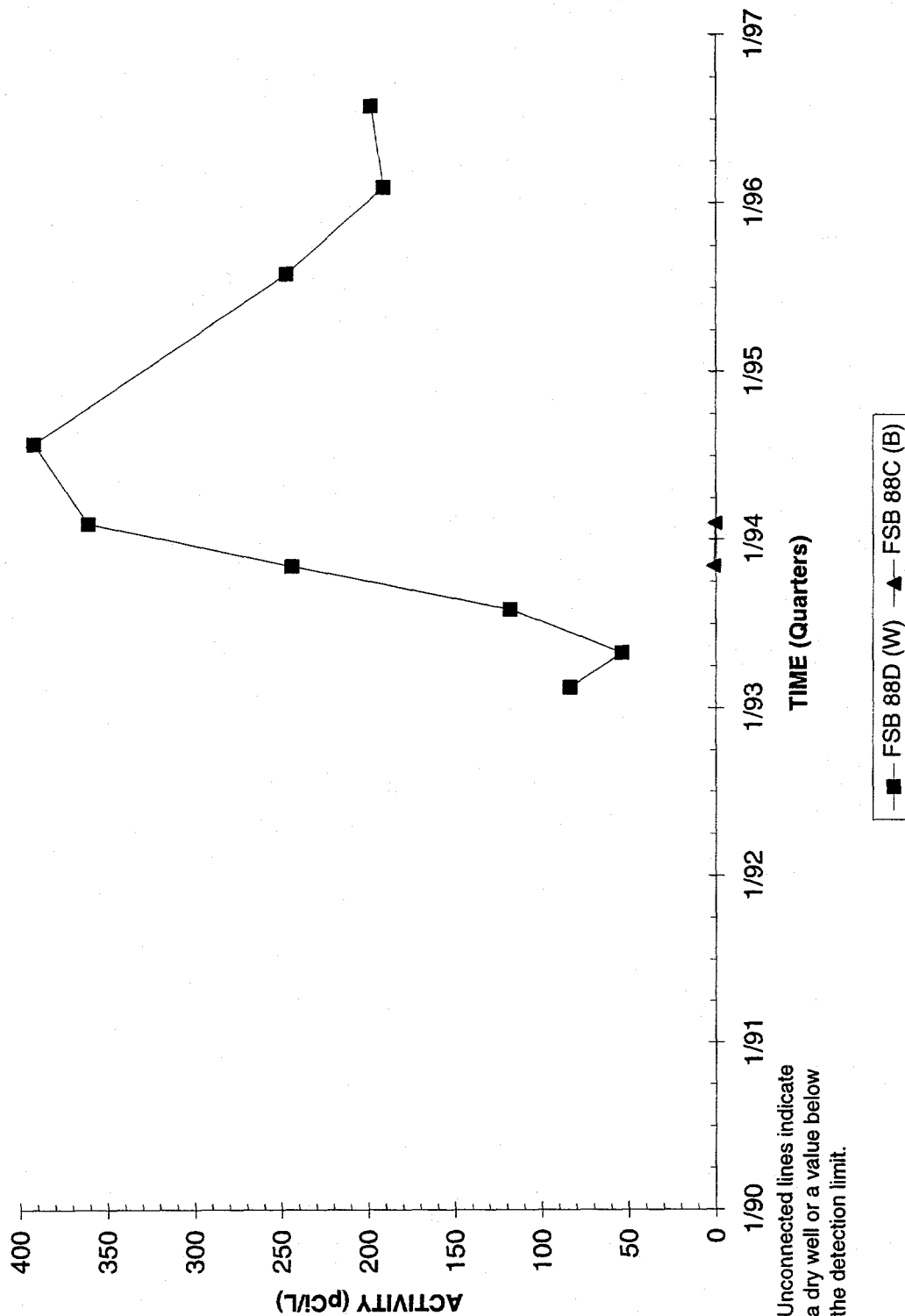
Uranium-238 Activities Well Cluster FSB 79



■ FSB 79 (W) ▲ FSB 79C (B)

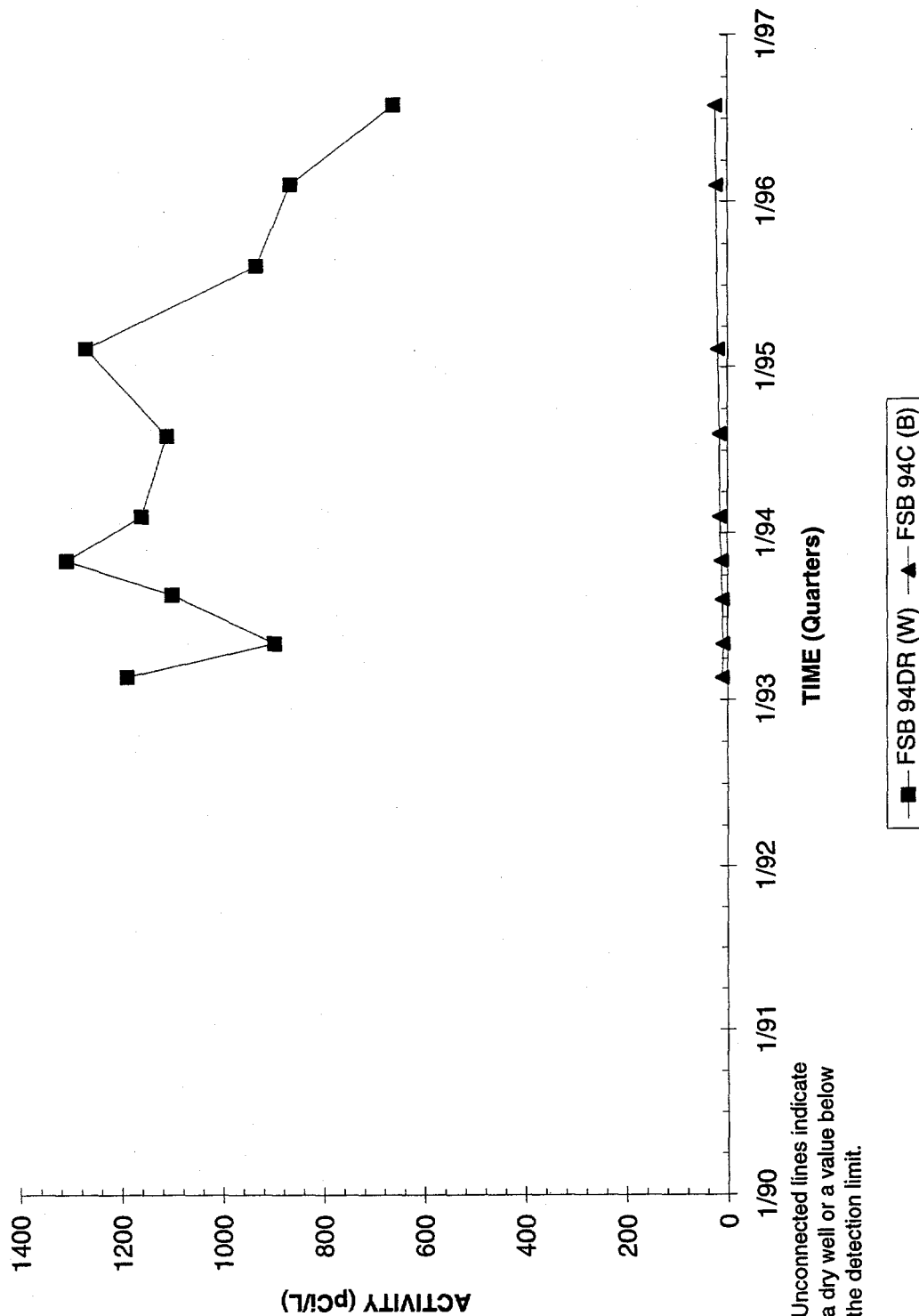
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-238 Activities Well Cluster FSB 88



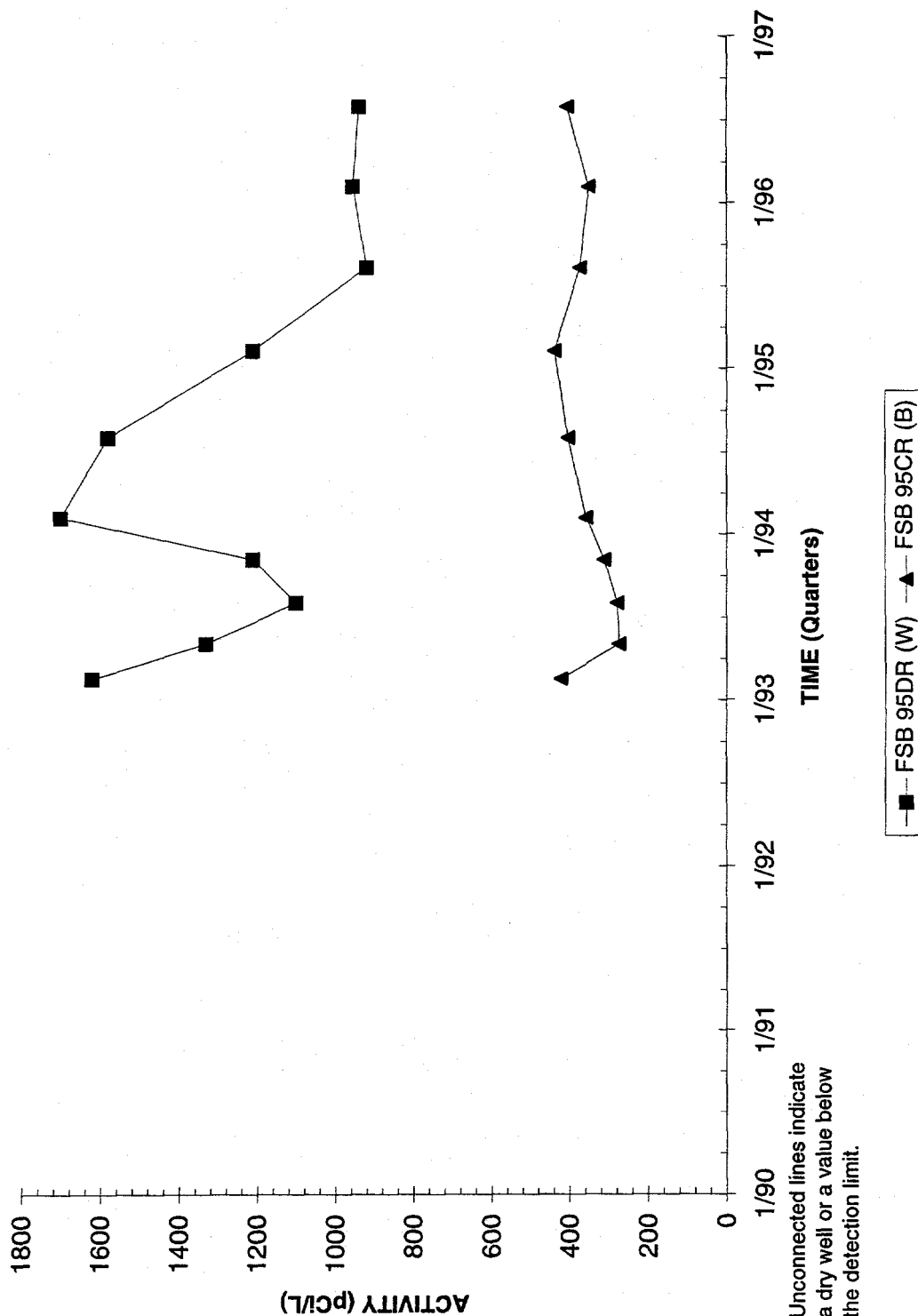
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-238 Activities Well Cluster FSB 94



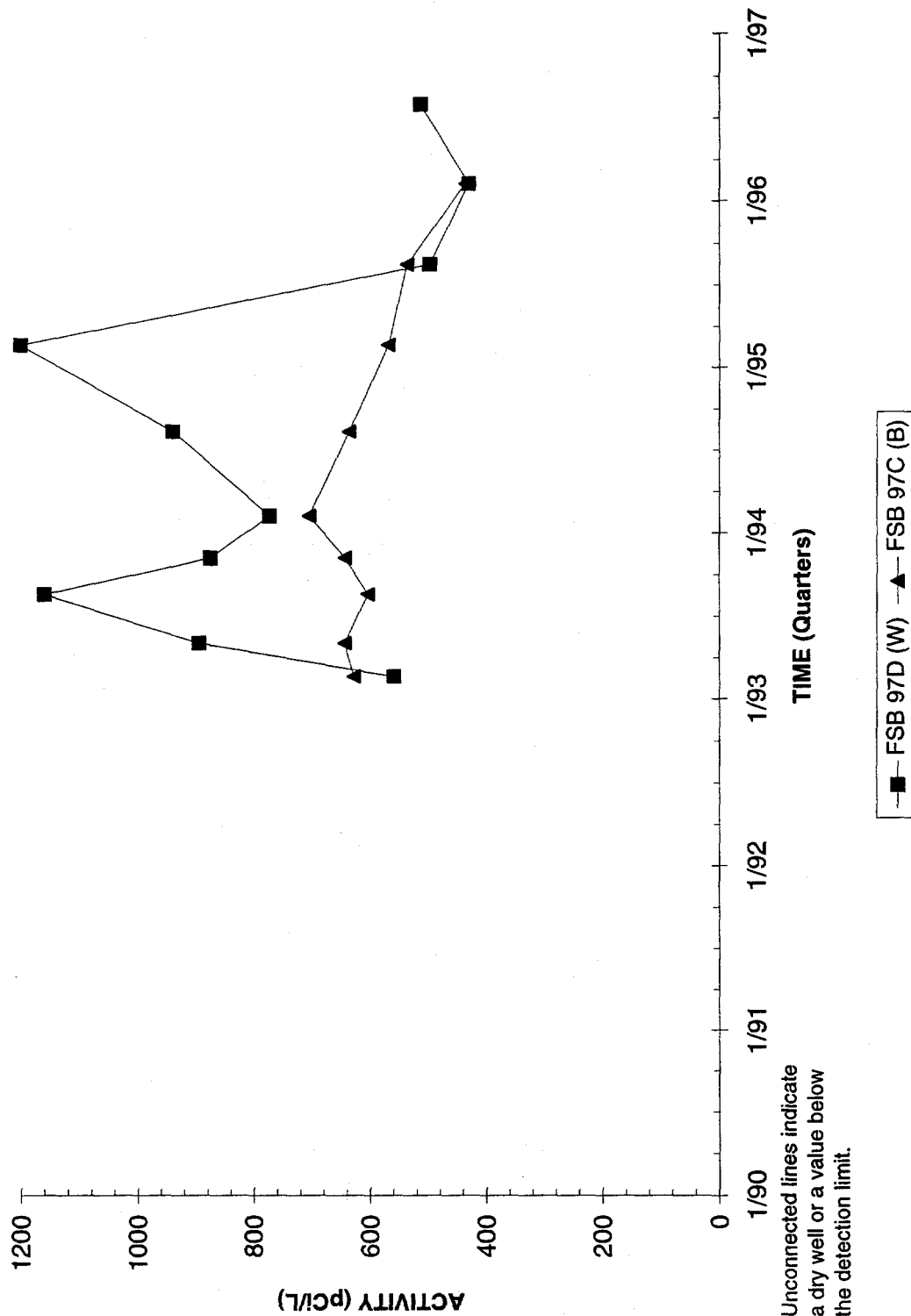
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-238 Activities Well Cluster FSB 95



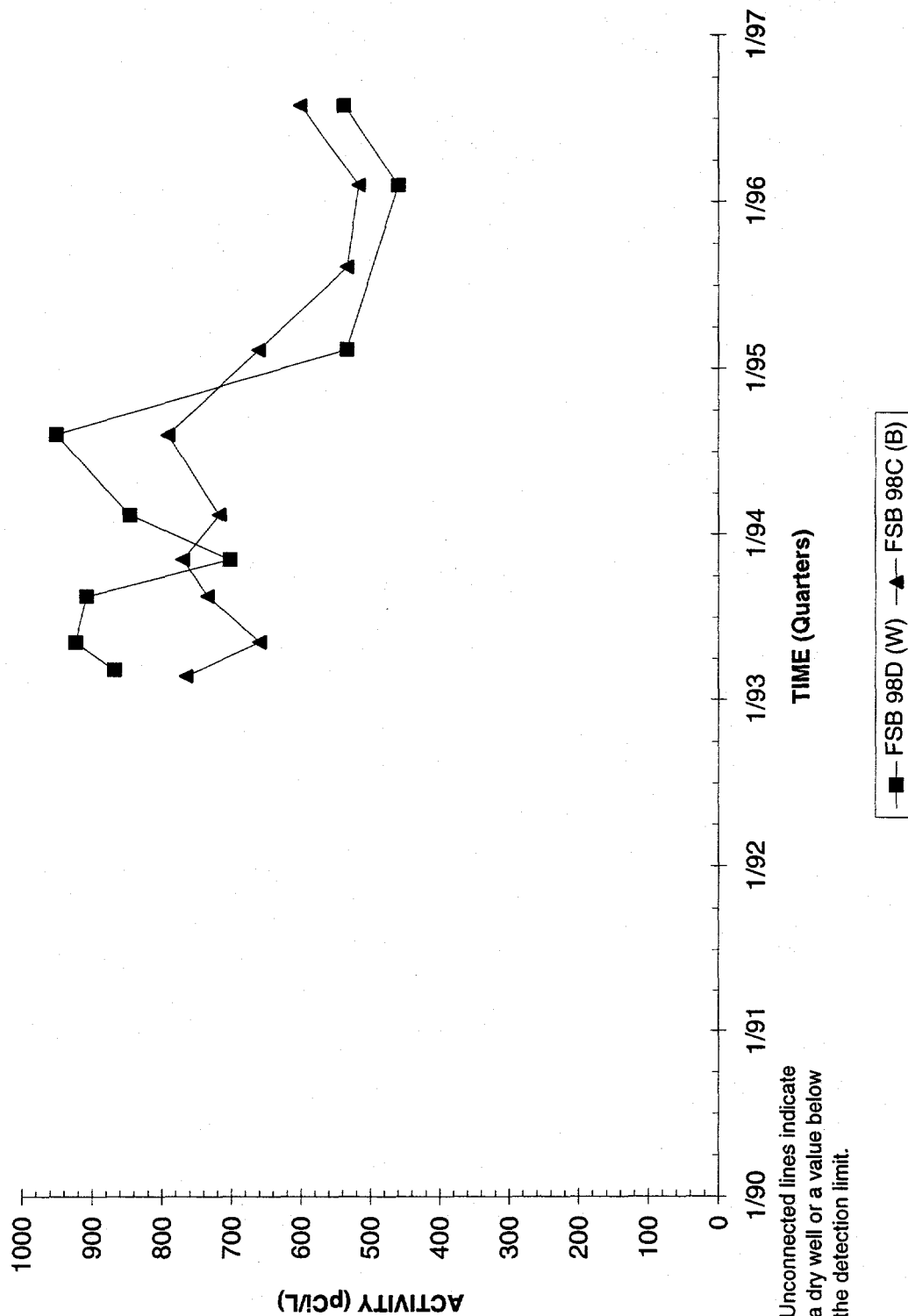
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-238 Activities Well Cluster FSB 97



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-238 Activities Well Cluster FSB 98



Unconnected lines indicate
a dry well or a value below
the detection limit.

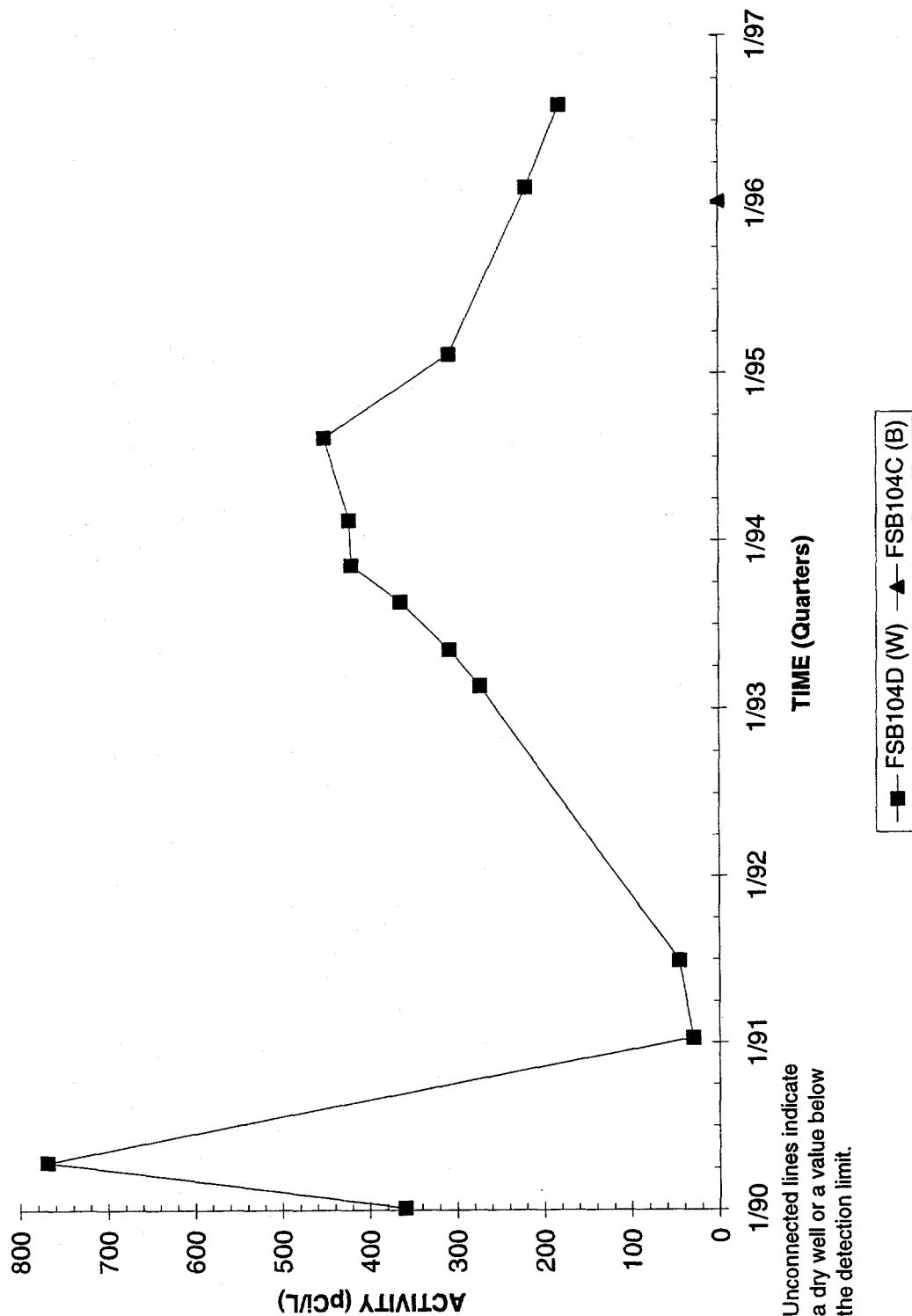
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F-Area HWMF

D - 95

Third and Fourth Quarters 1996

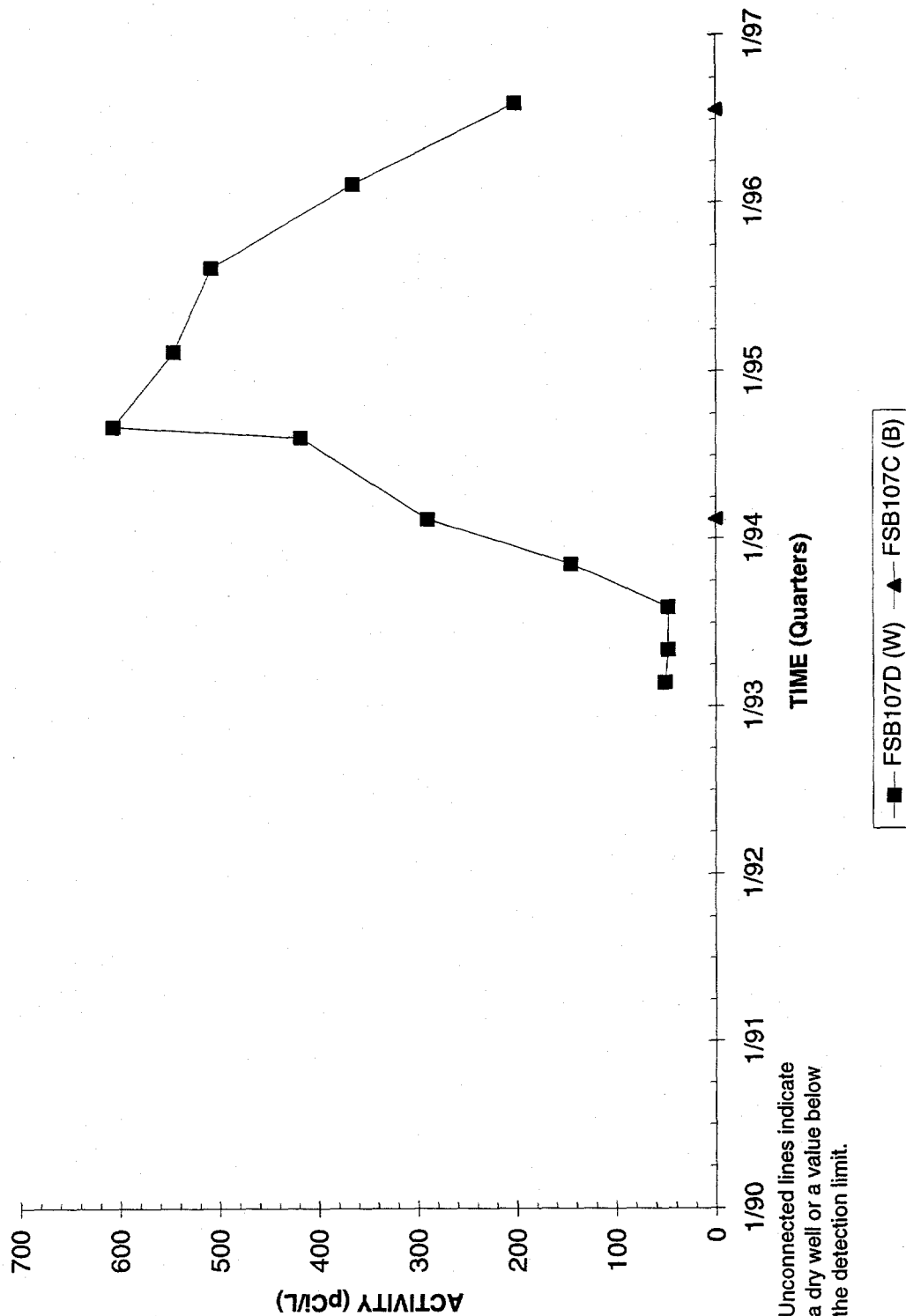
Uranium-238 Activities Well Cluster FSB104



Unconnected lines indicate a dry well or a value below the detection limit.

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Uranium-238 Activities Well Cluster FSB107



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

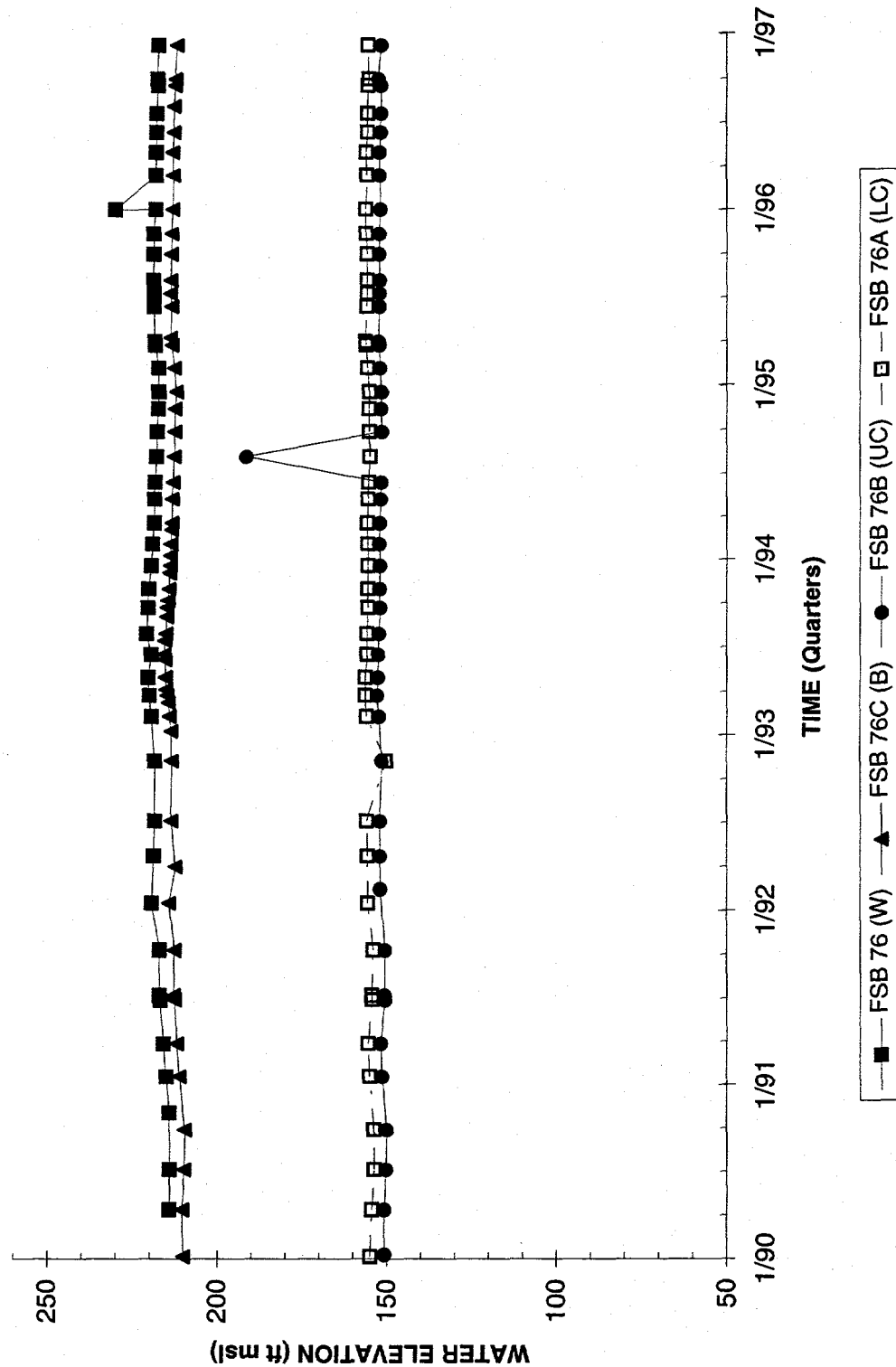
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Appendix E

Hydrographs

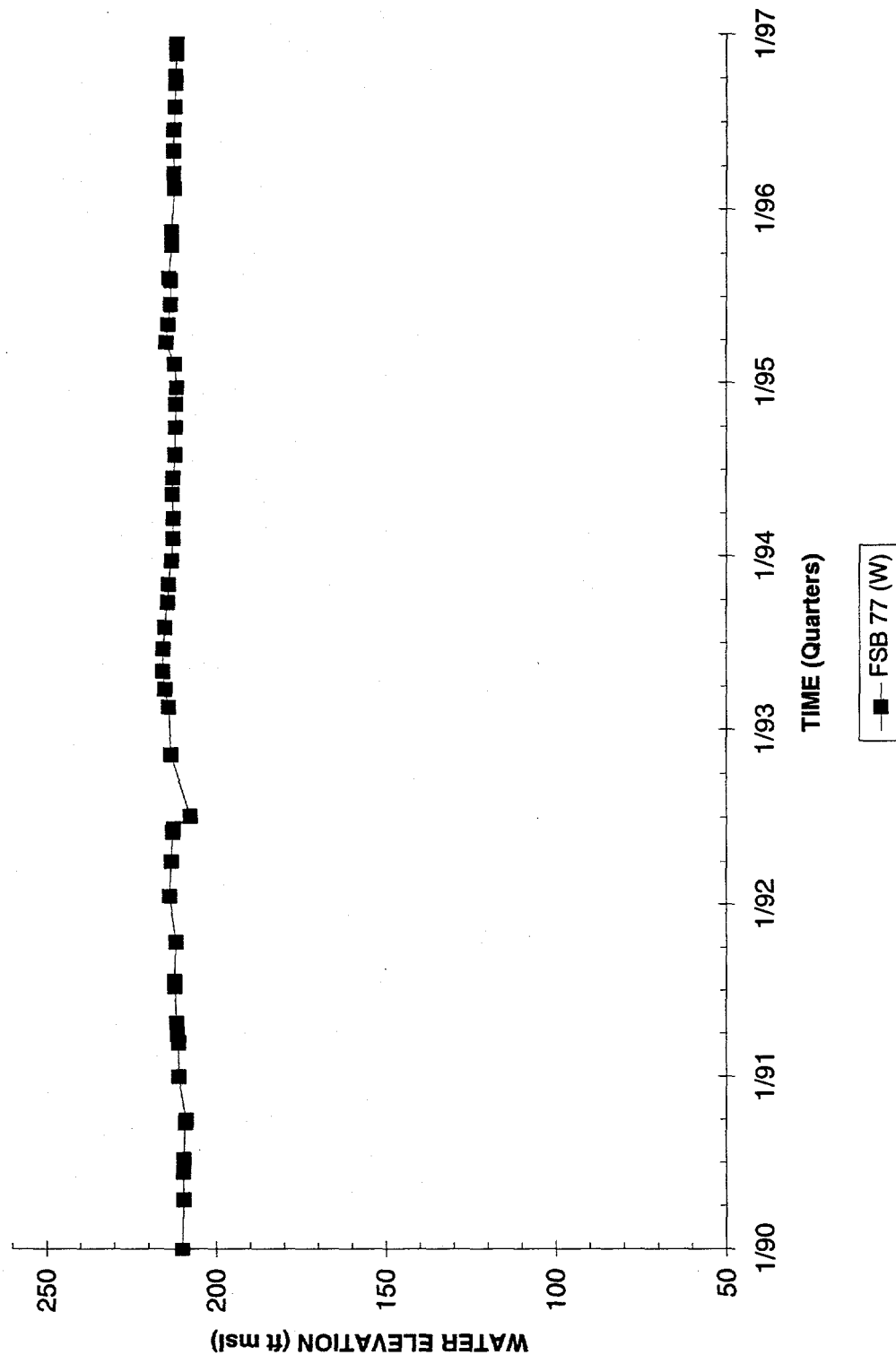
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Hydrograph Well Cluster FSB 76



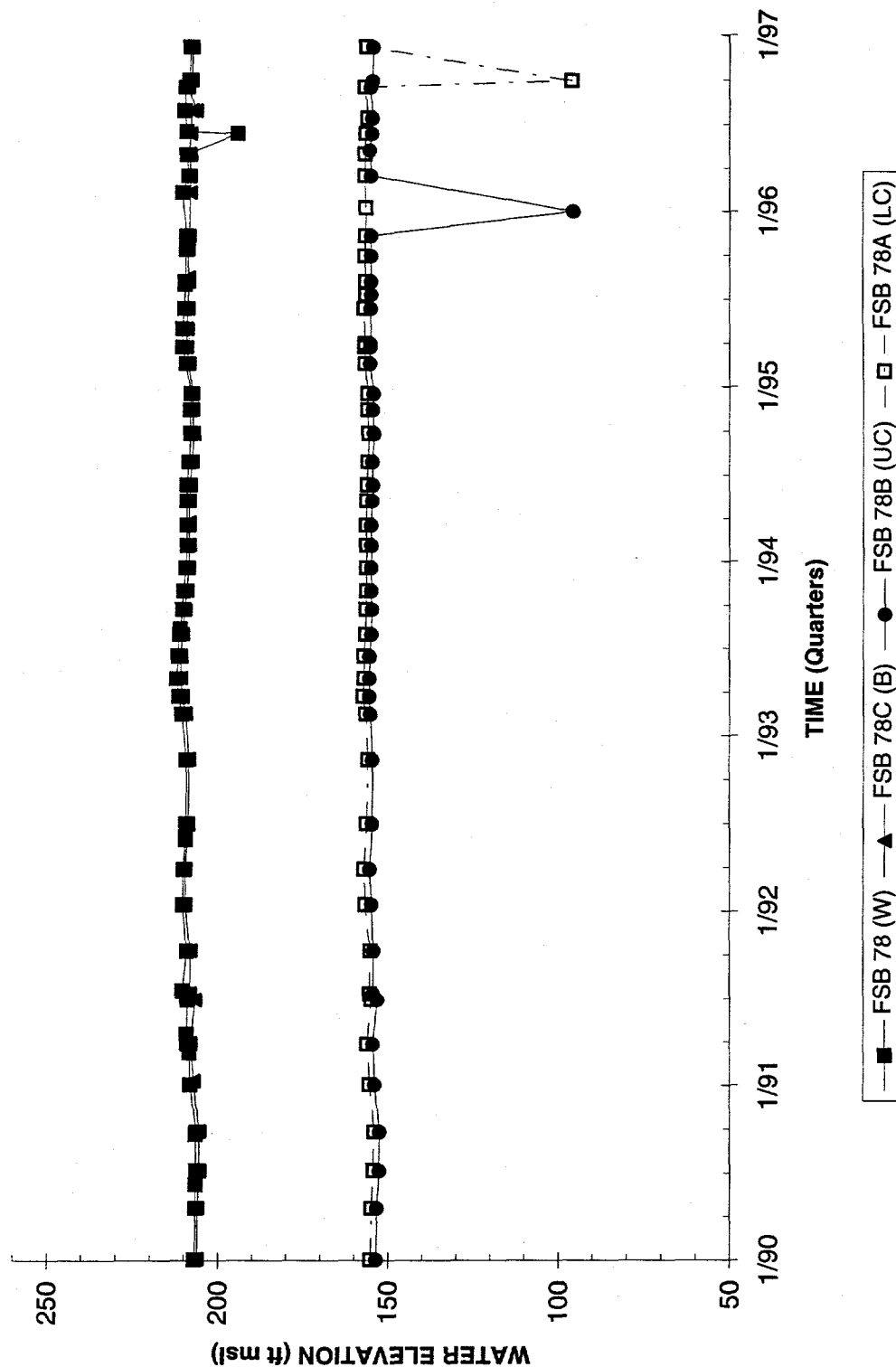
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB 77



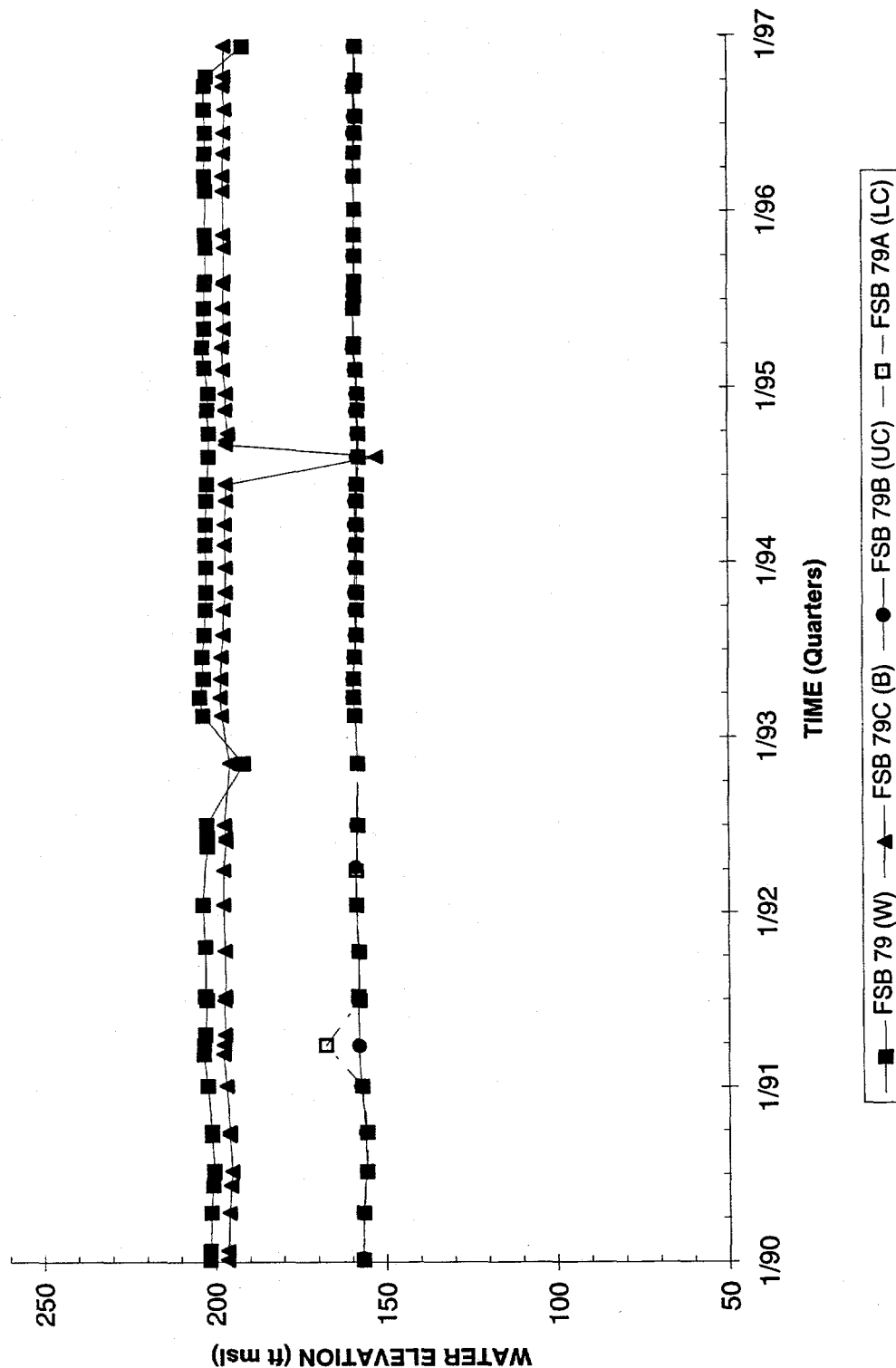
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 78



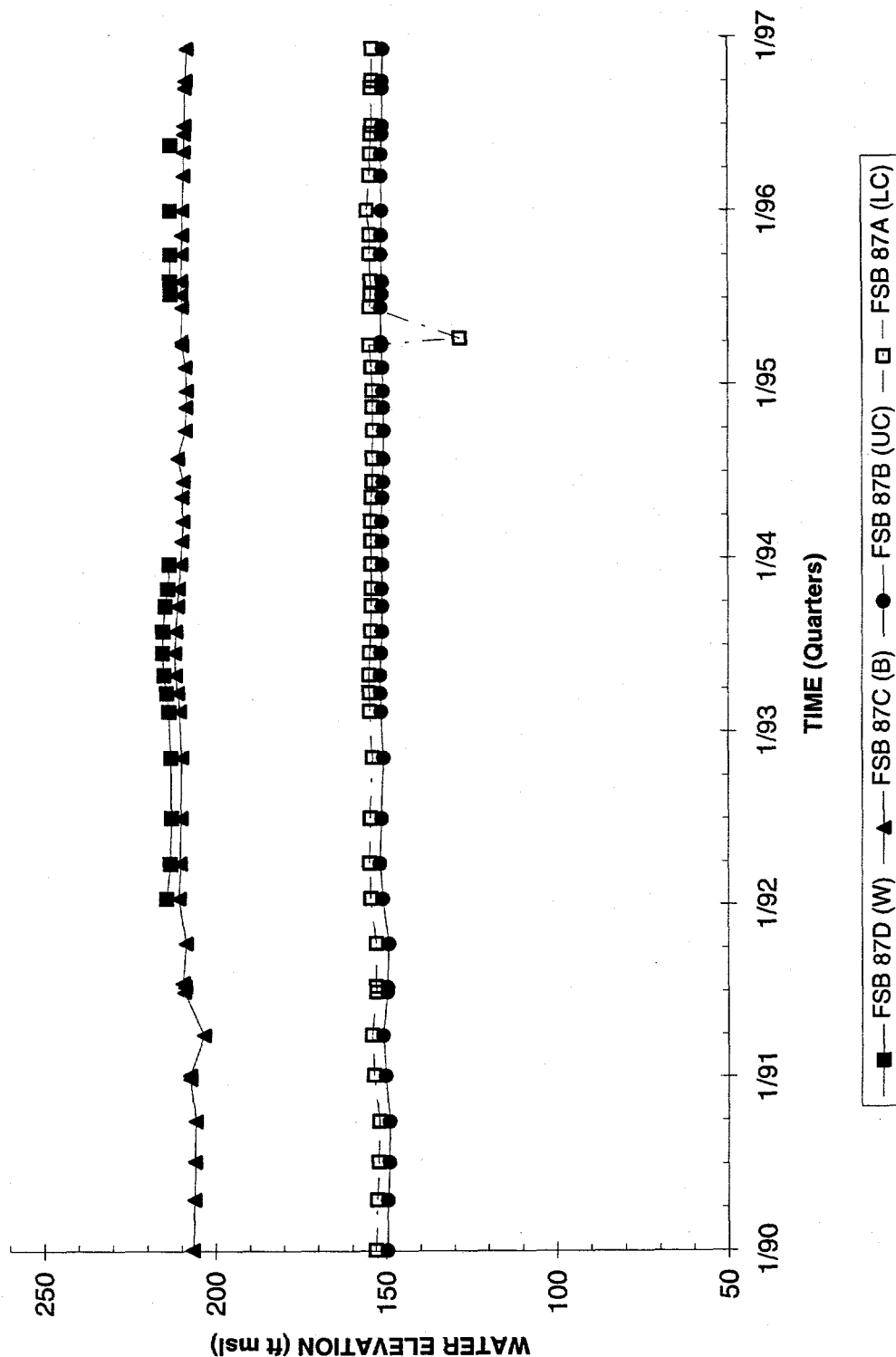
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 79



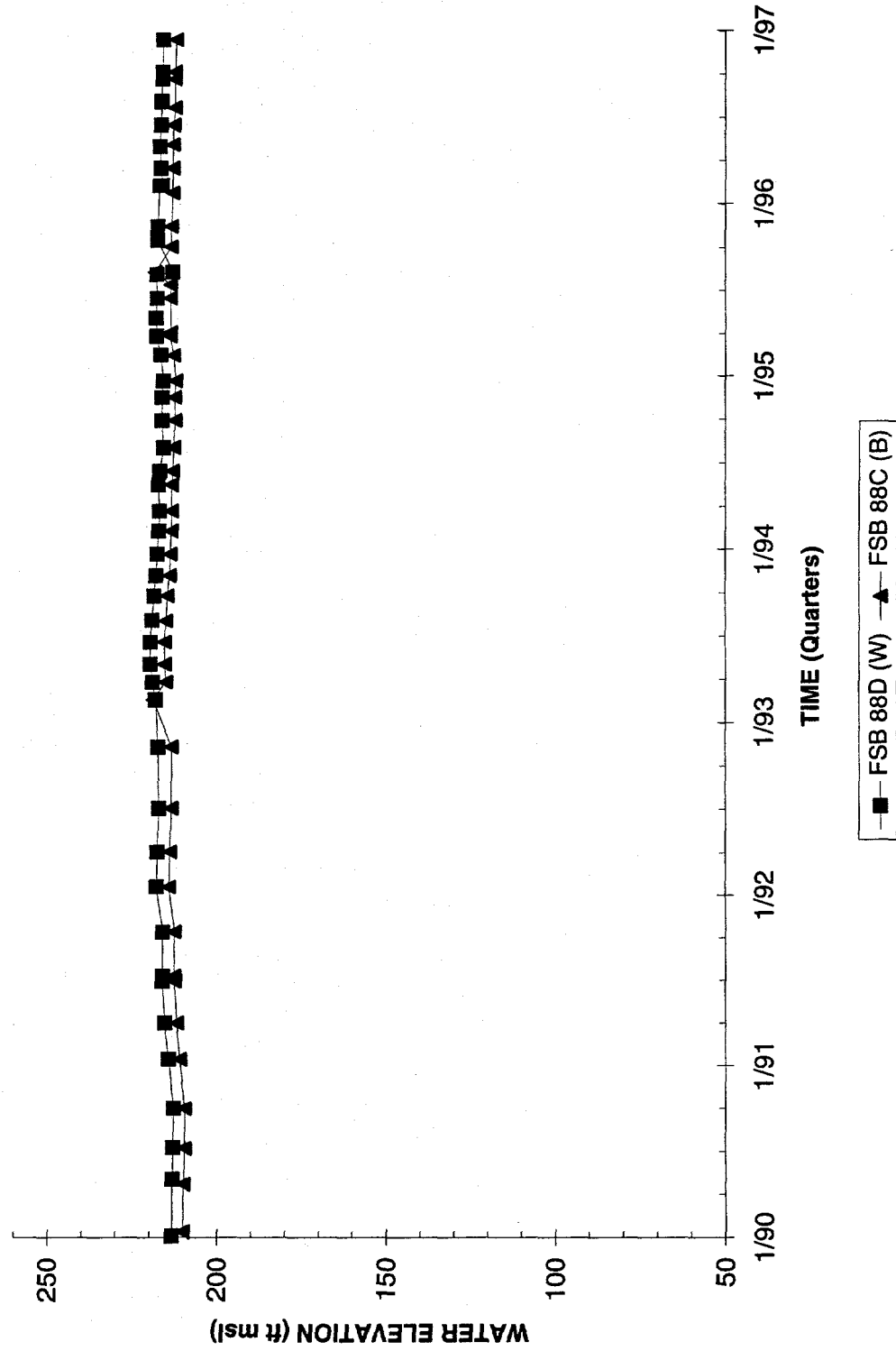
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 87



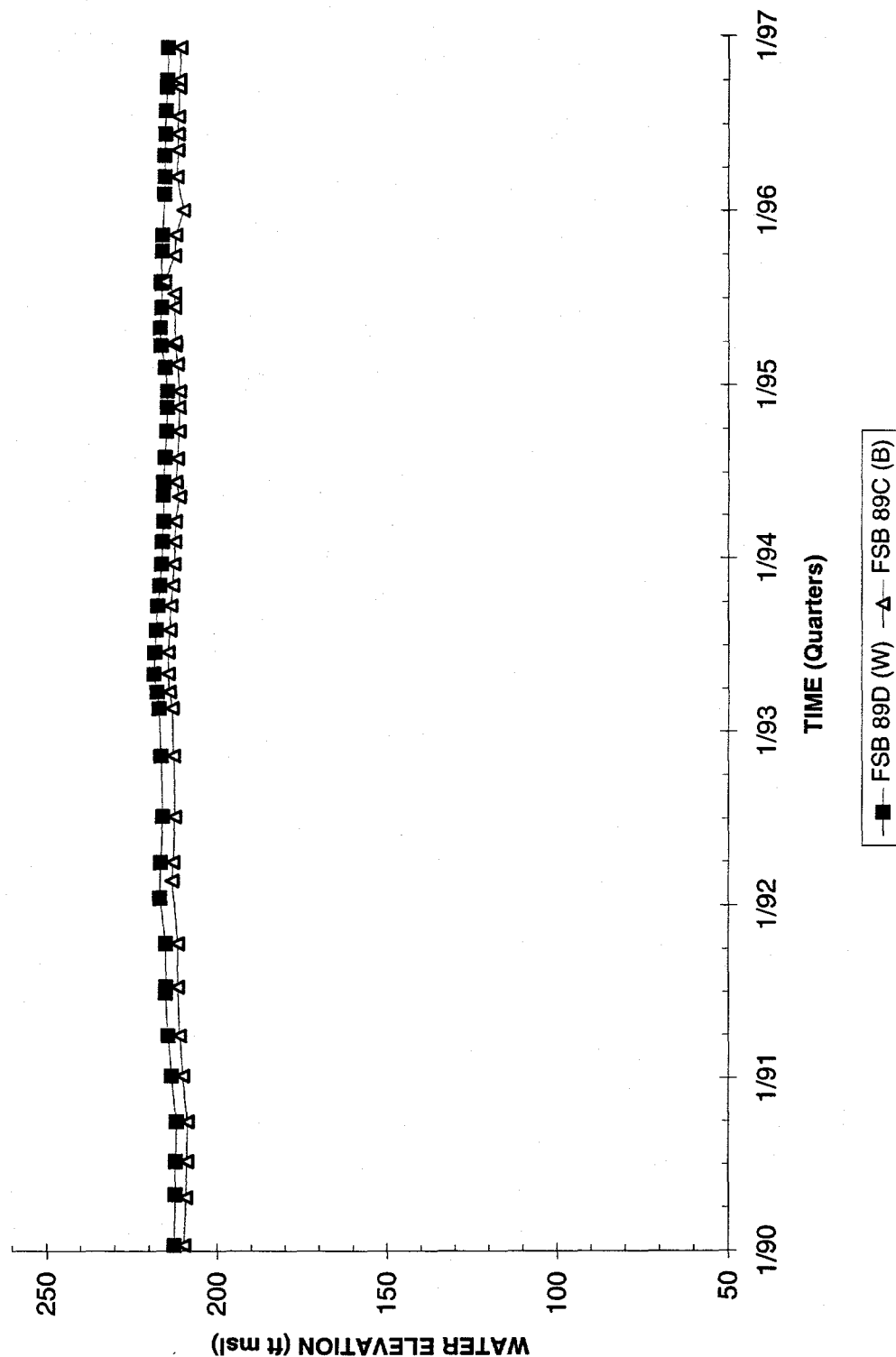
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 88



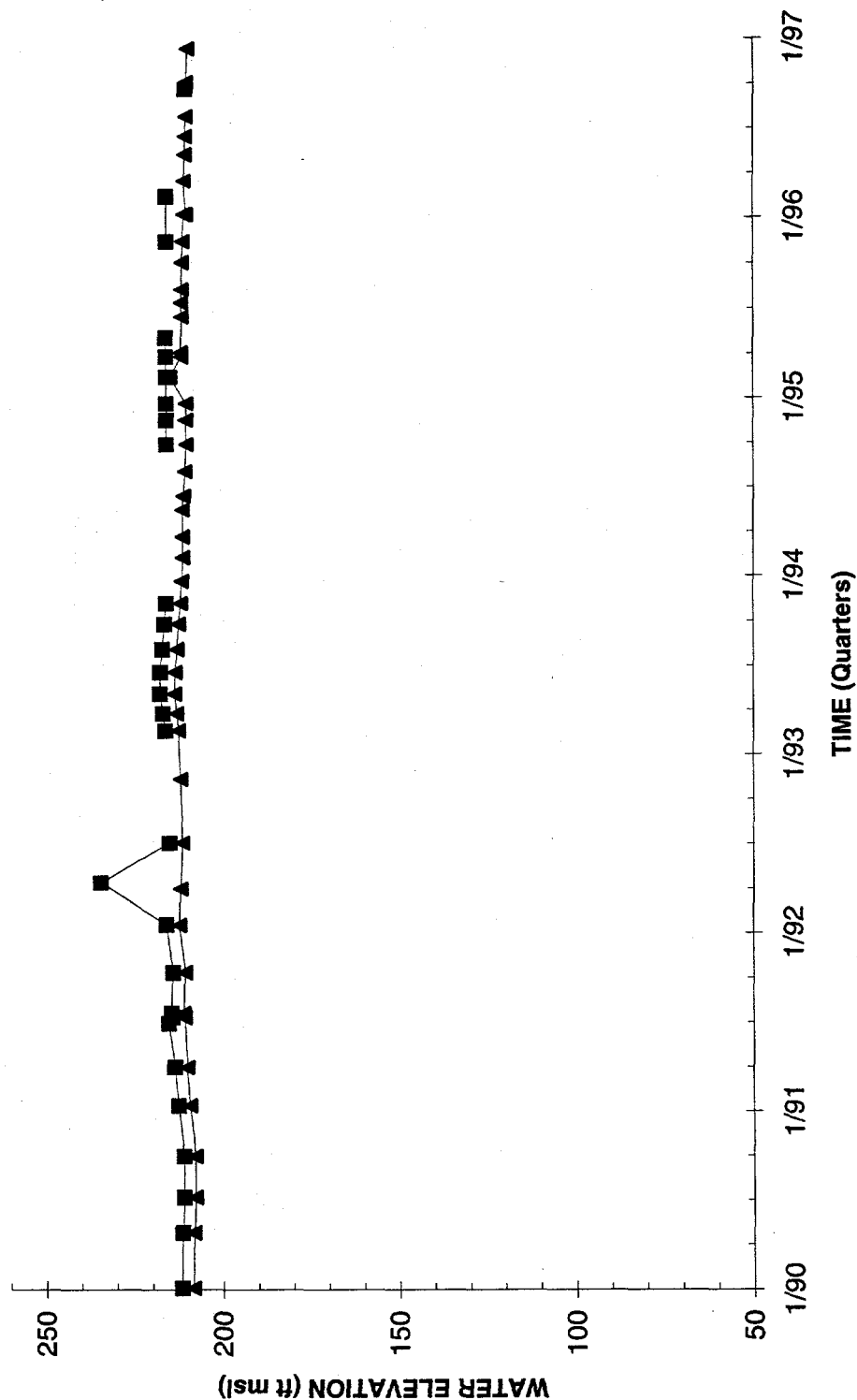
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 89



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

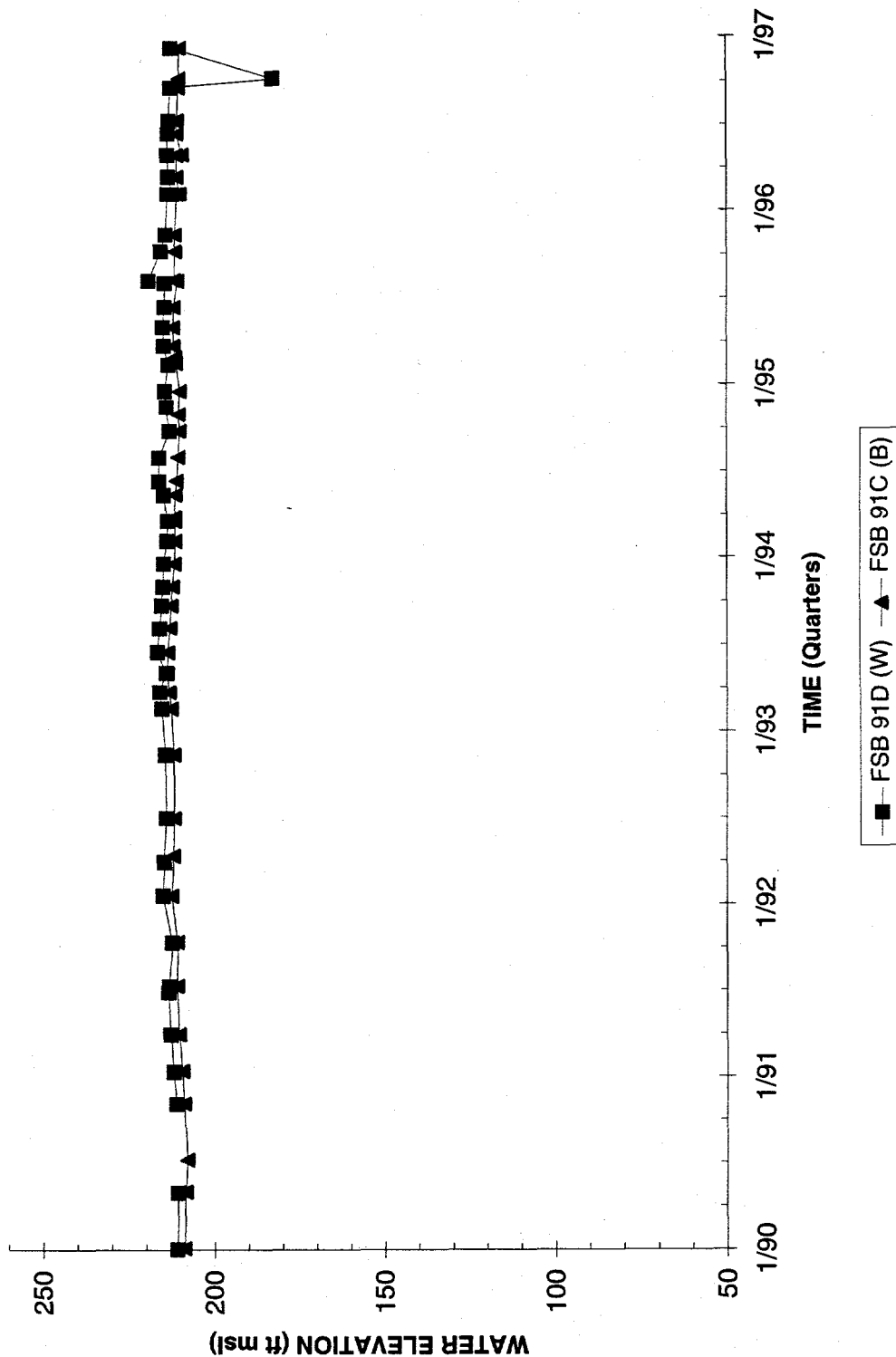
Hydrograph Well Cluster FSB 90



■ FSB 90D (W) ▲ FSB 90C (B)

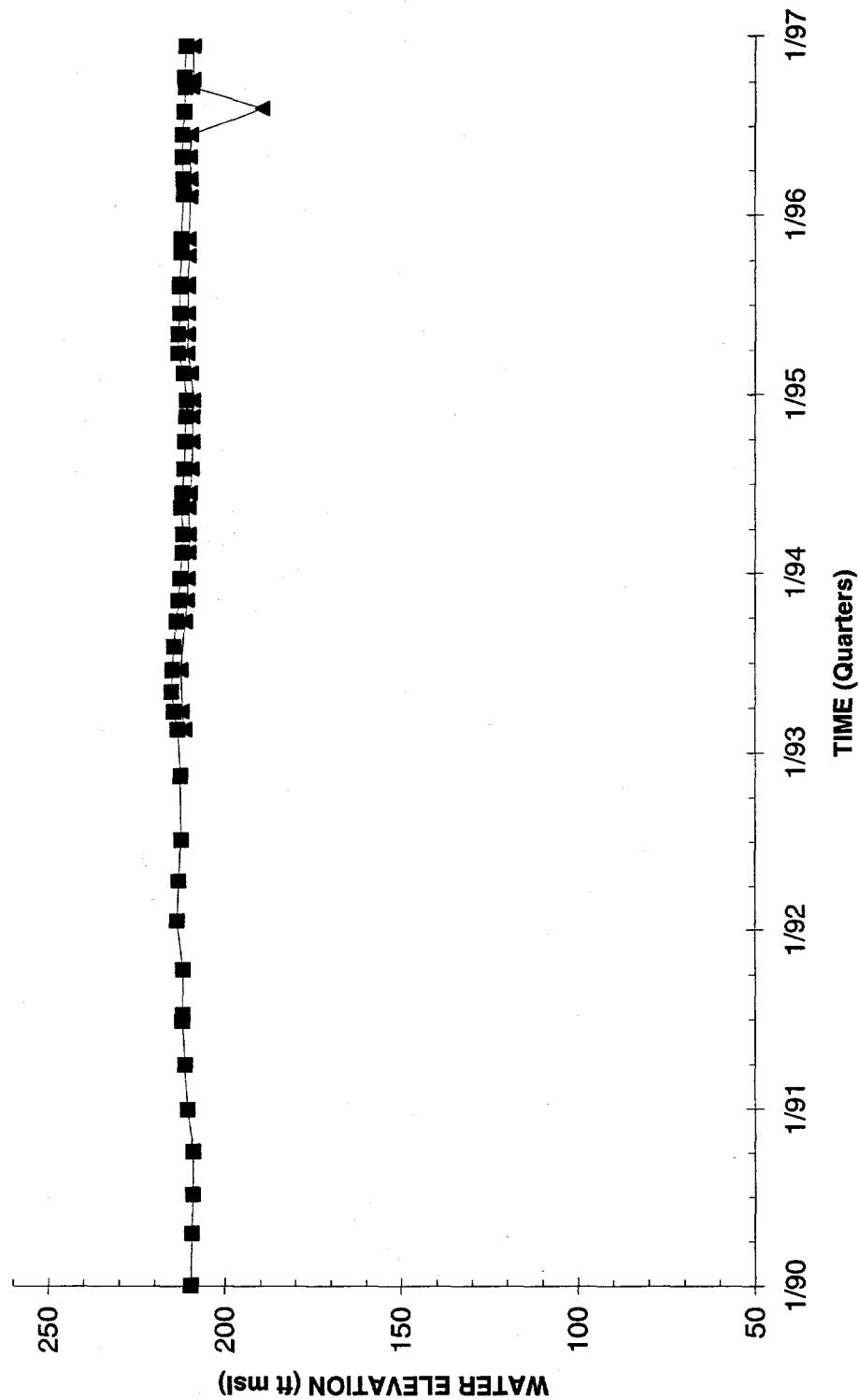
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 91



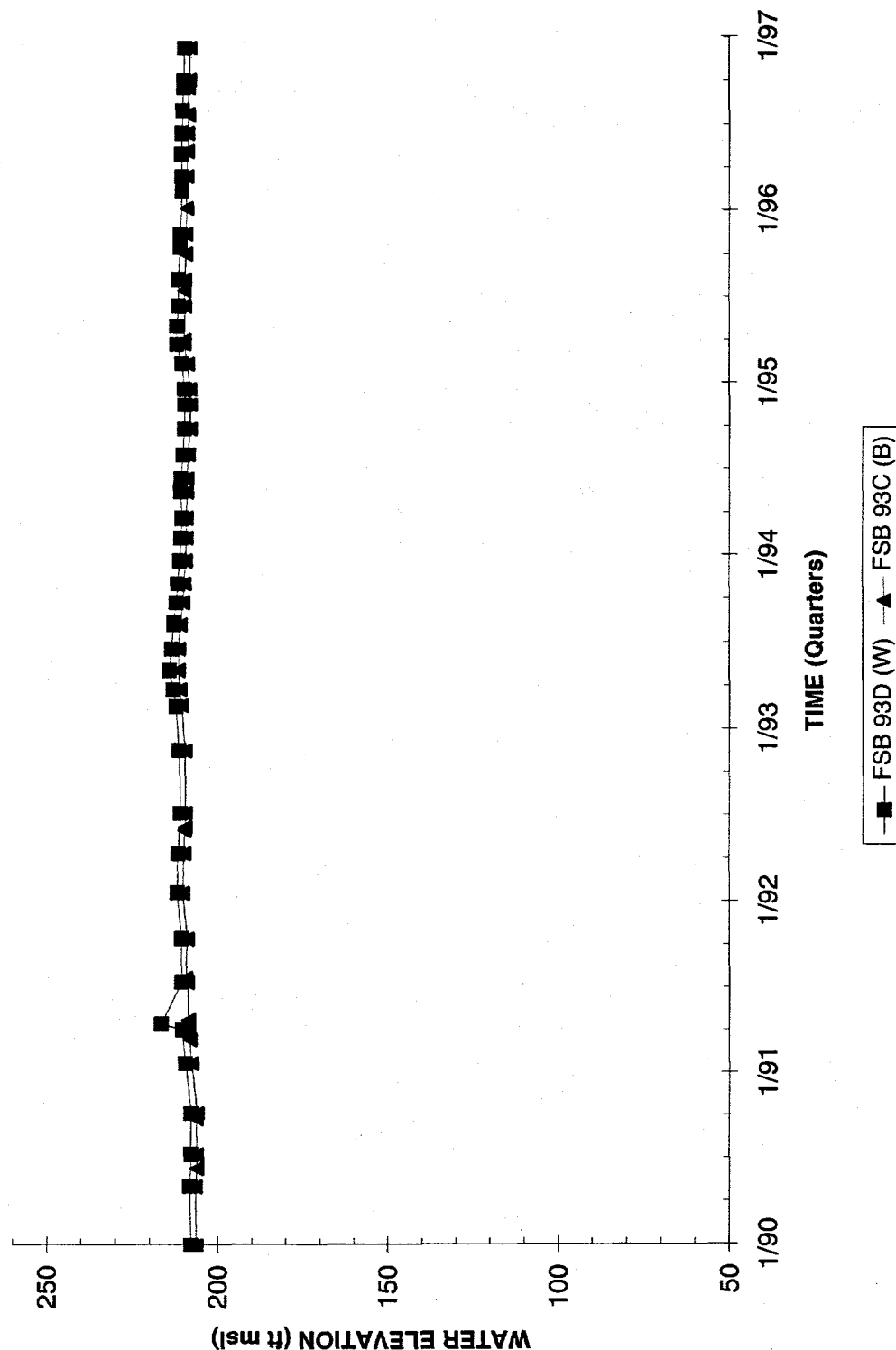
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 92



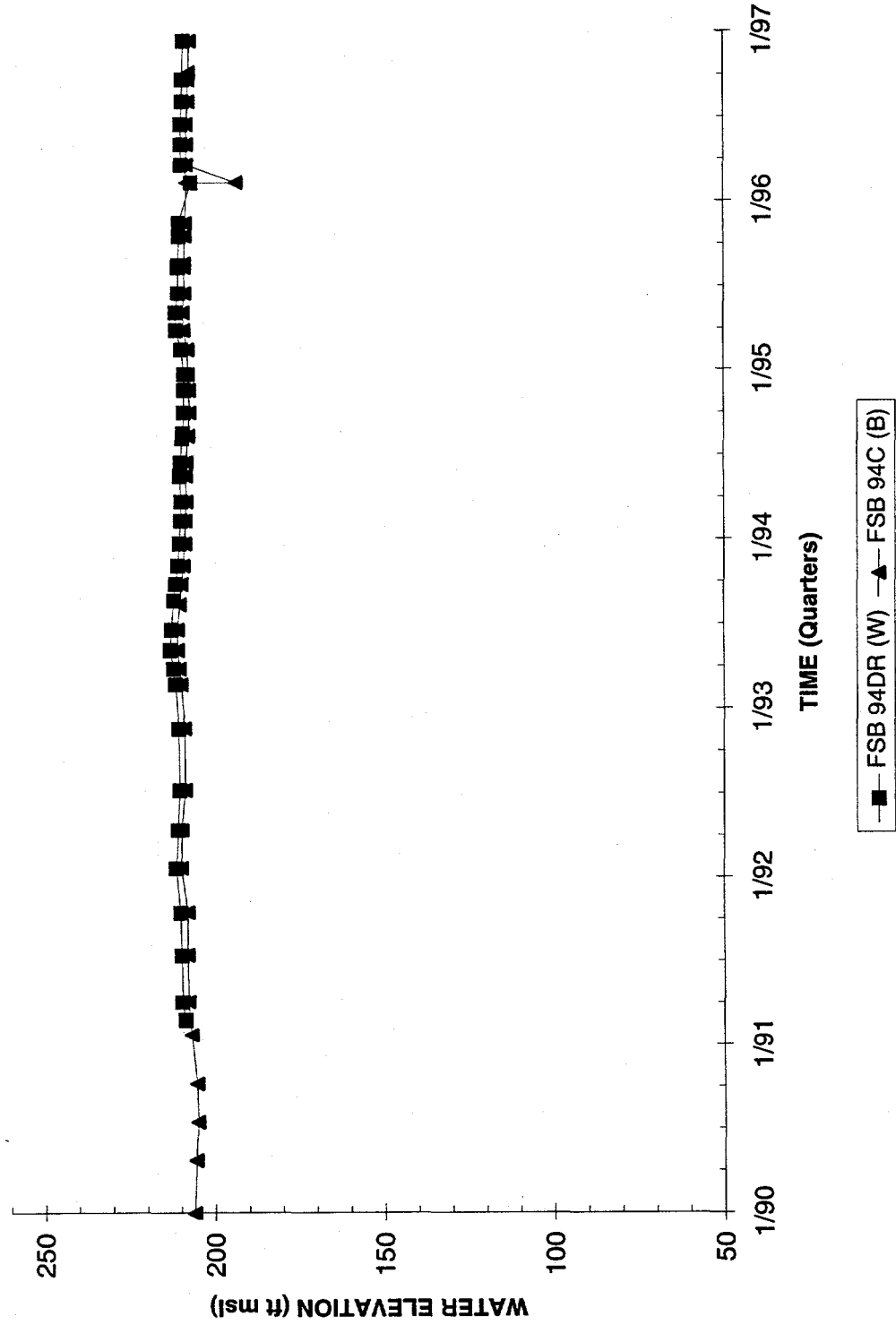
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 93



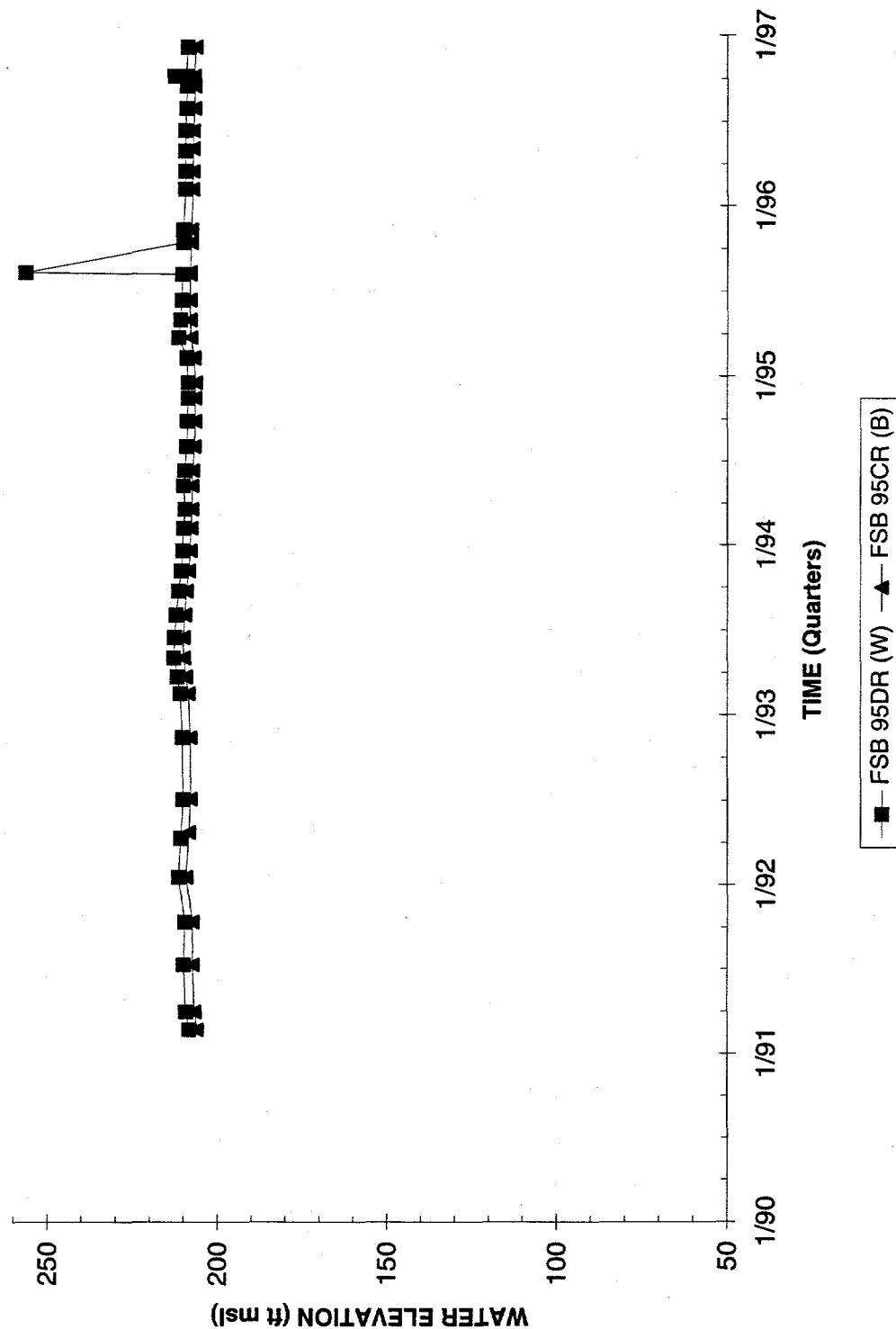
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 94



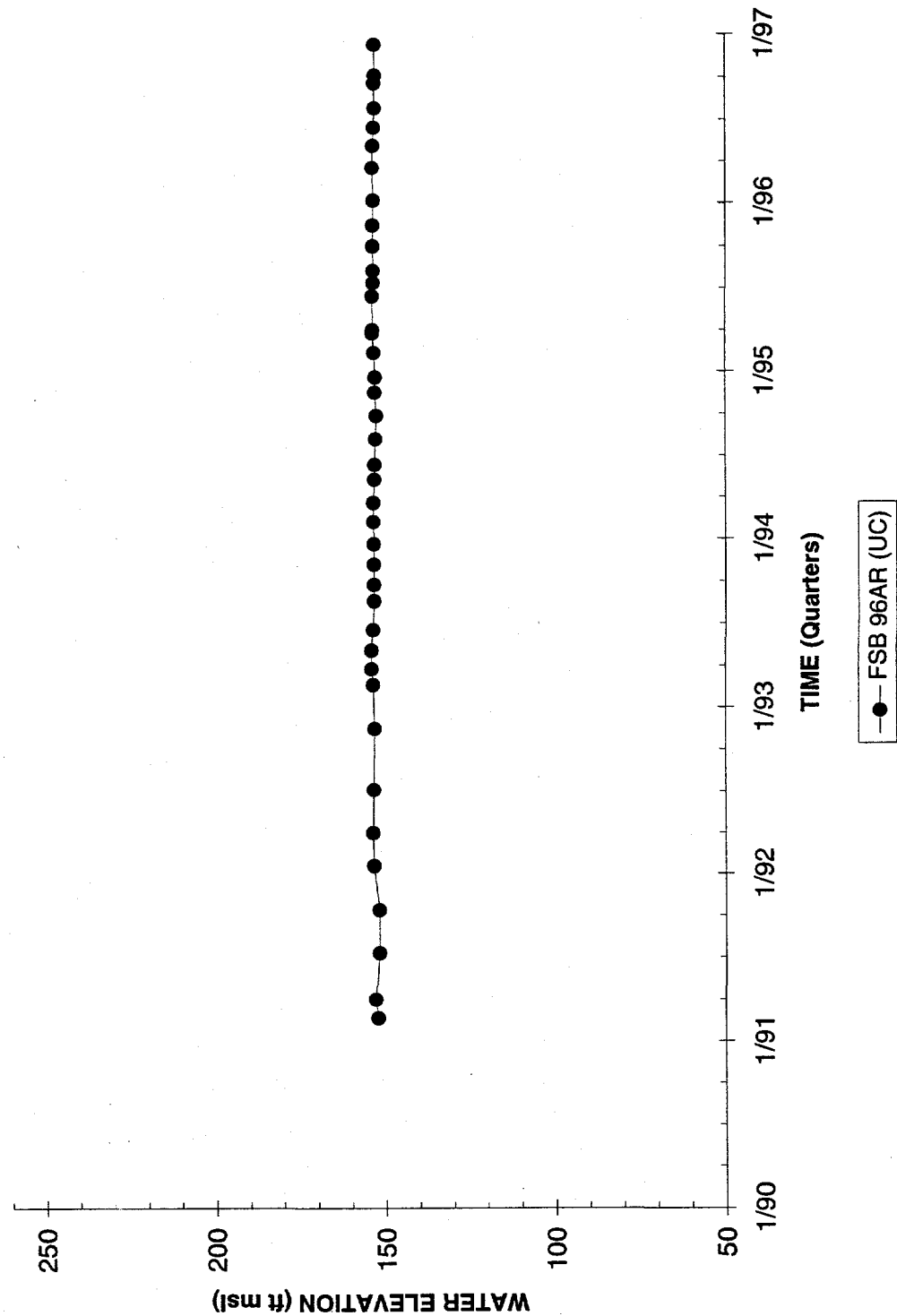
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 95



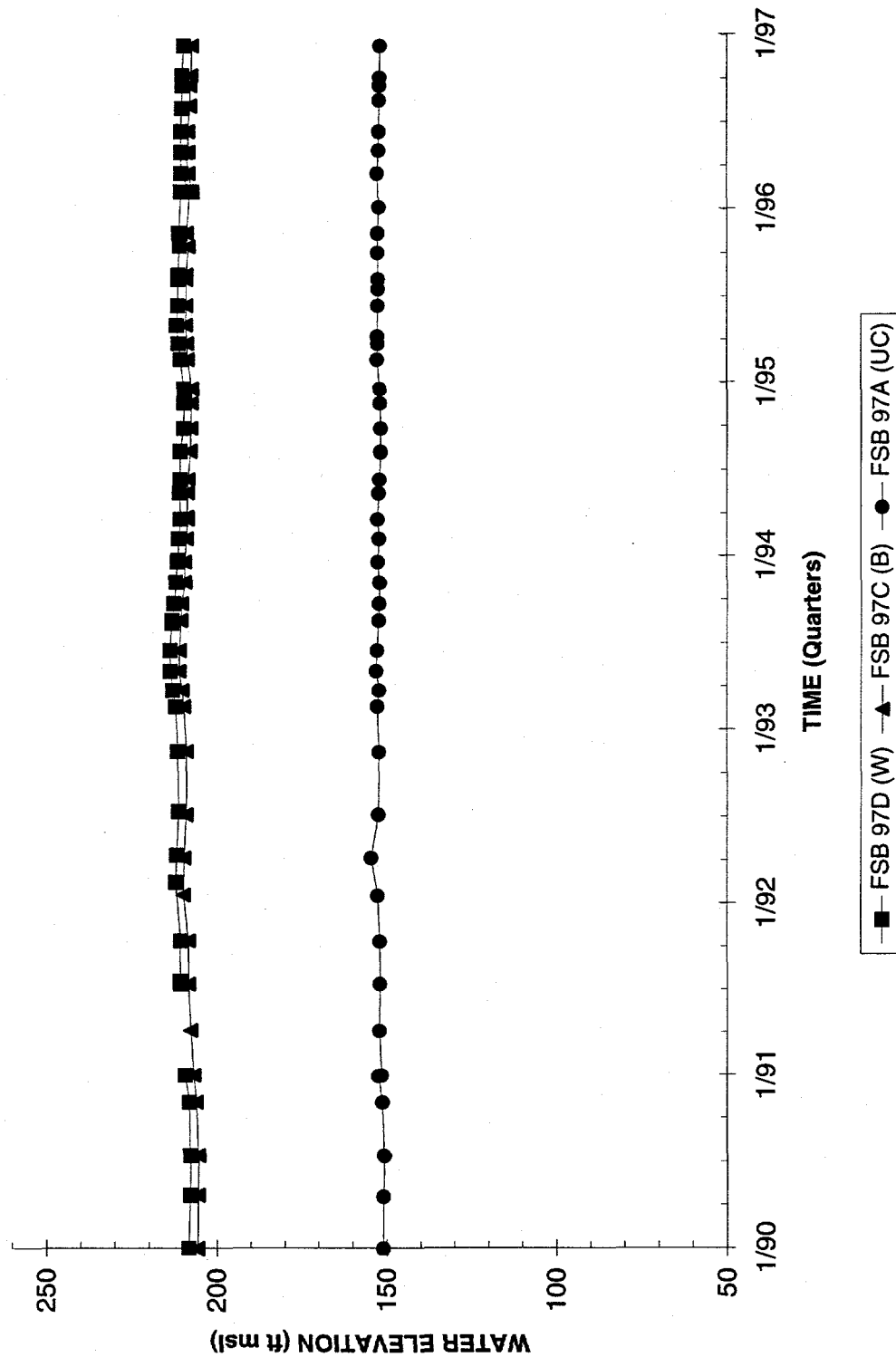
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB 96AR



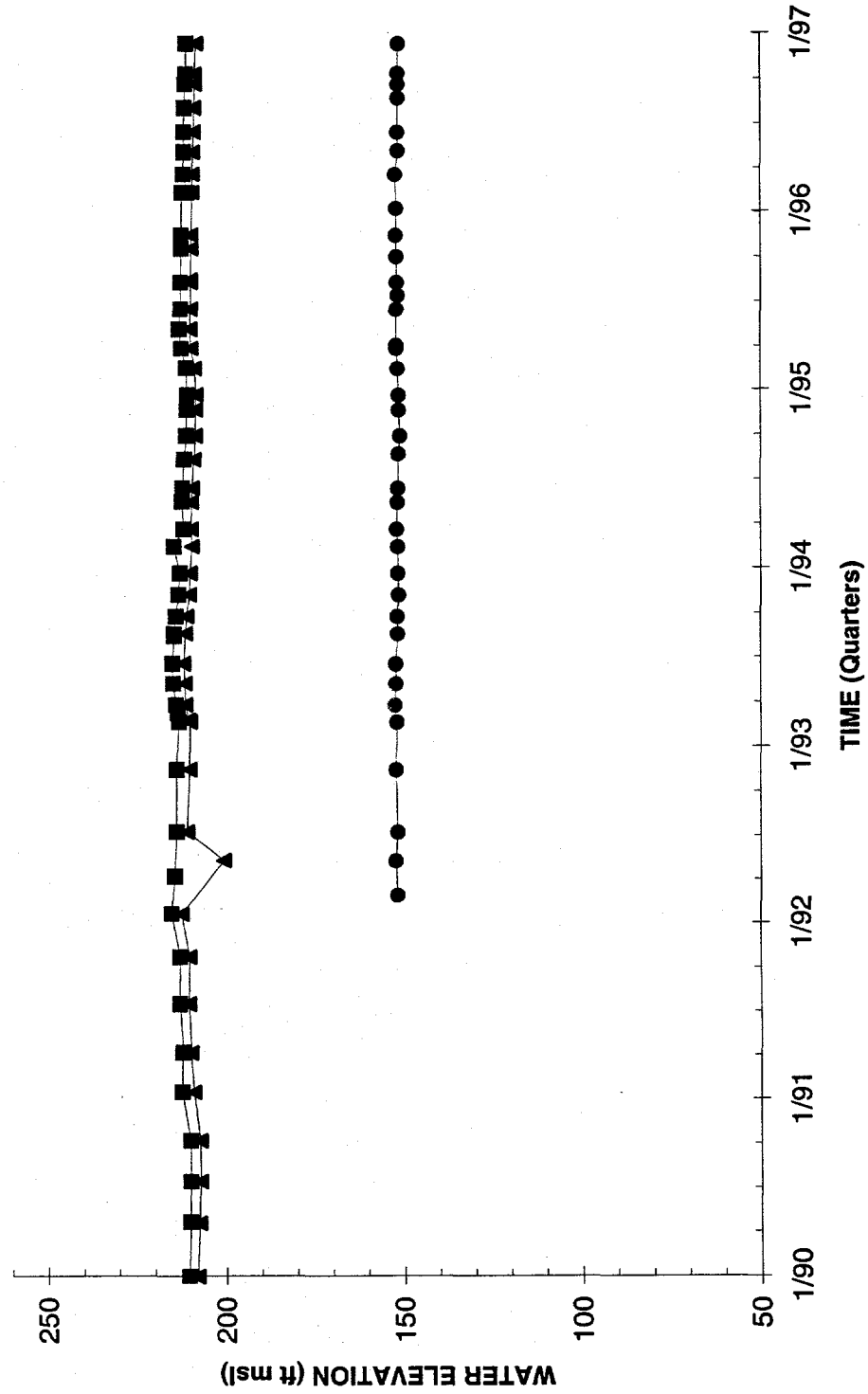
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 97



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

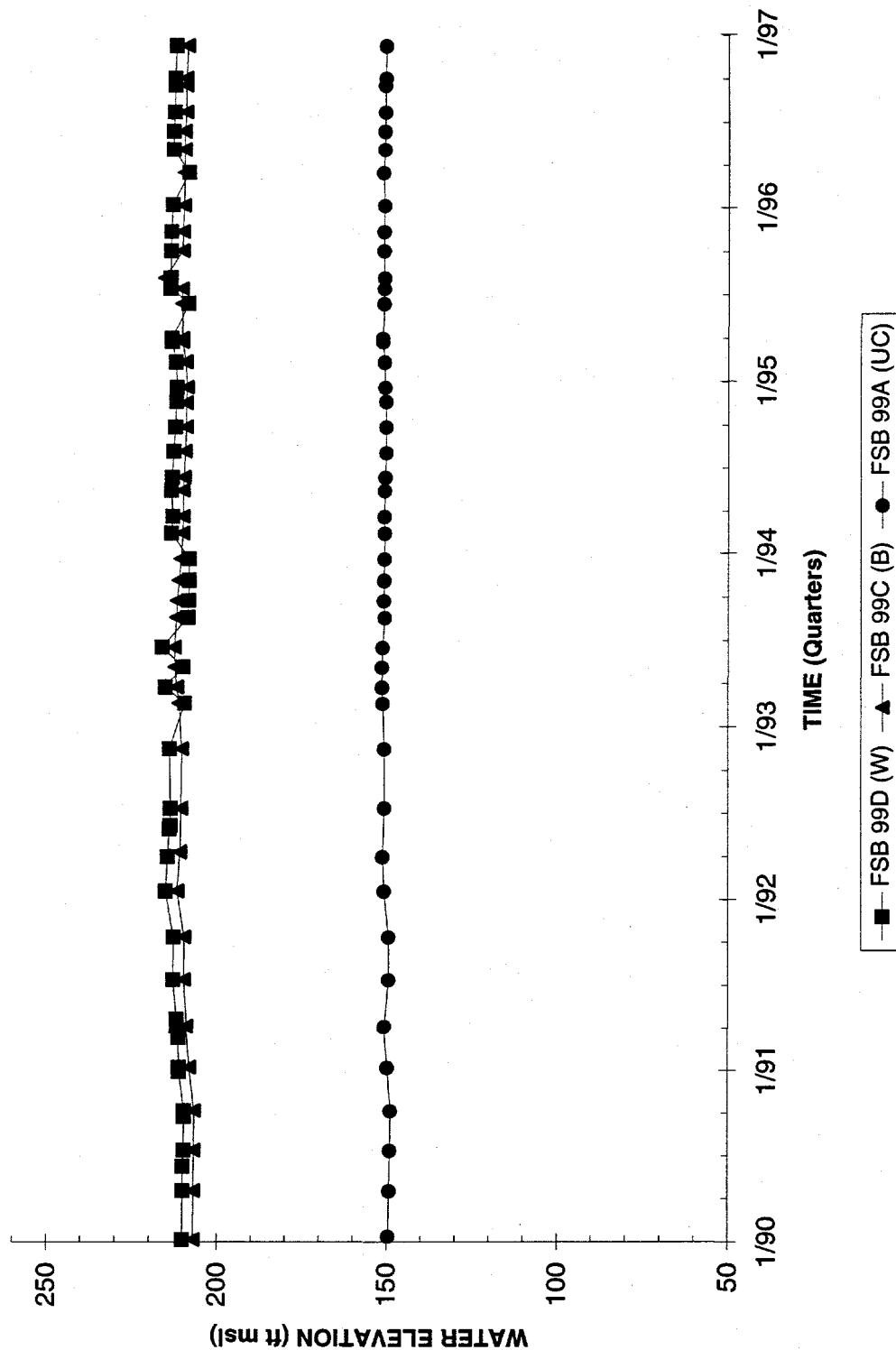
Hydrograph Well Cluster FSB 98



—■— FSB 98D (W) —▲— FSB 98C (B) —●— FSB 98AR (UC)

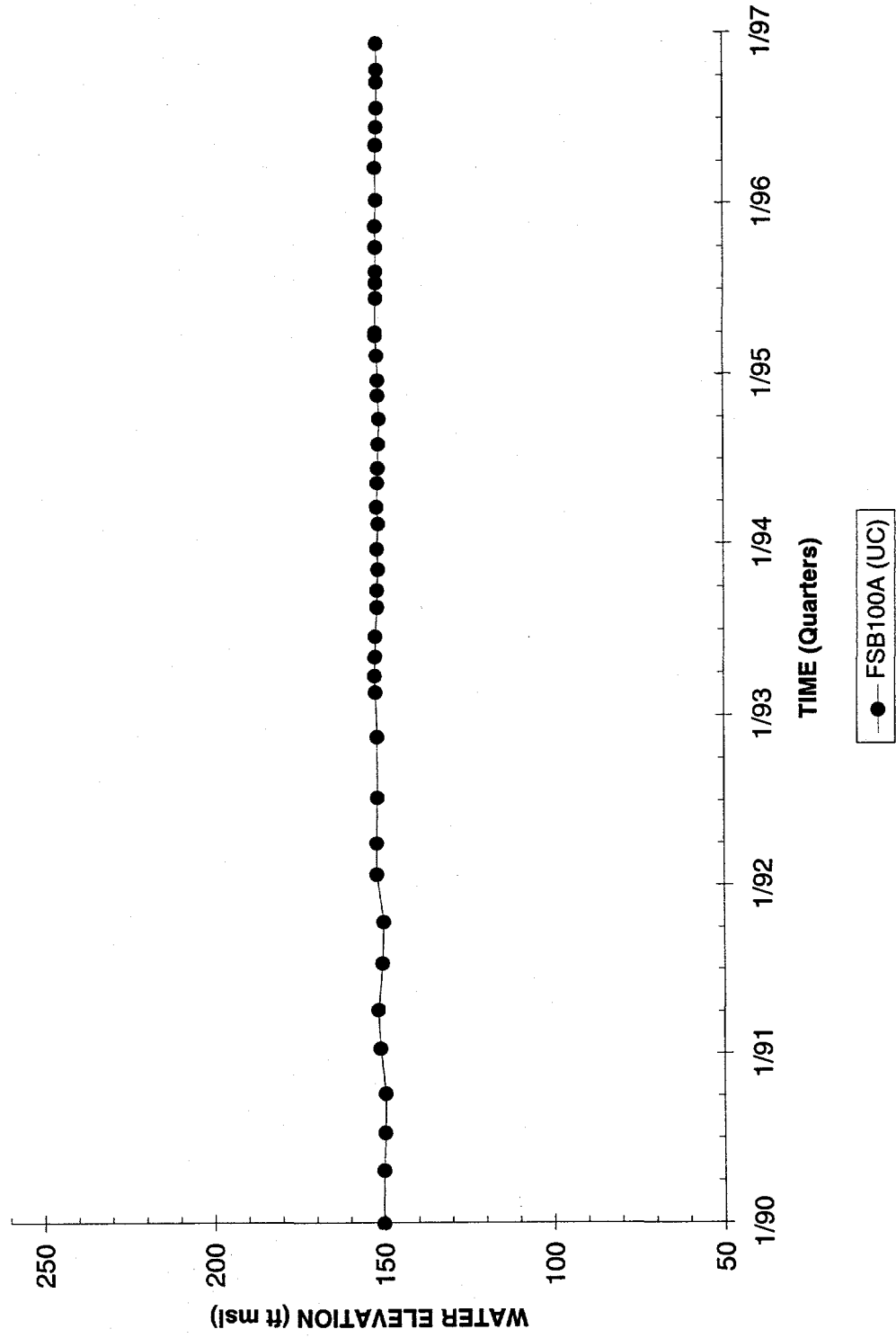
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB 99



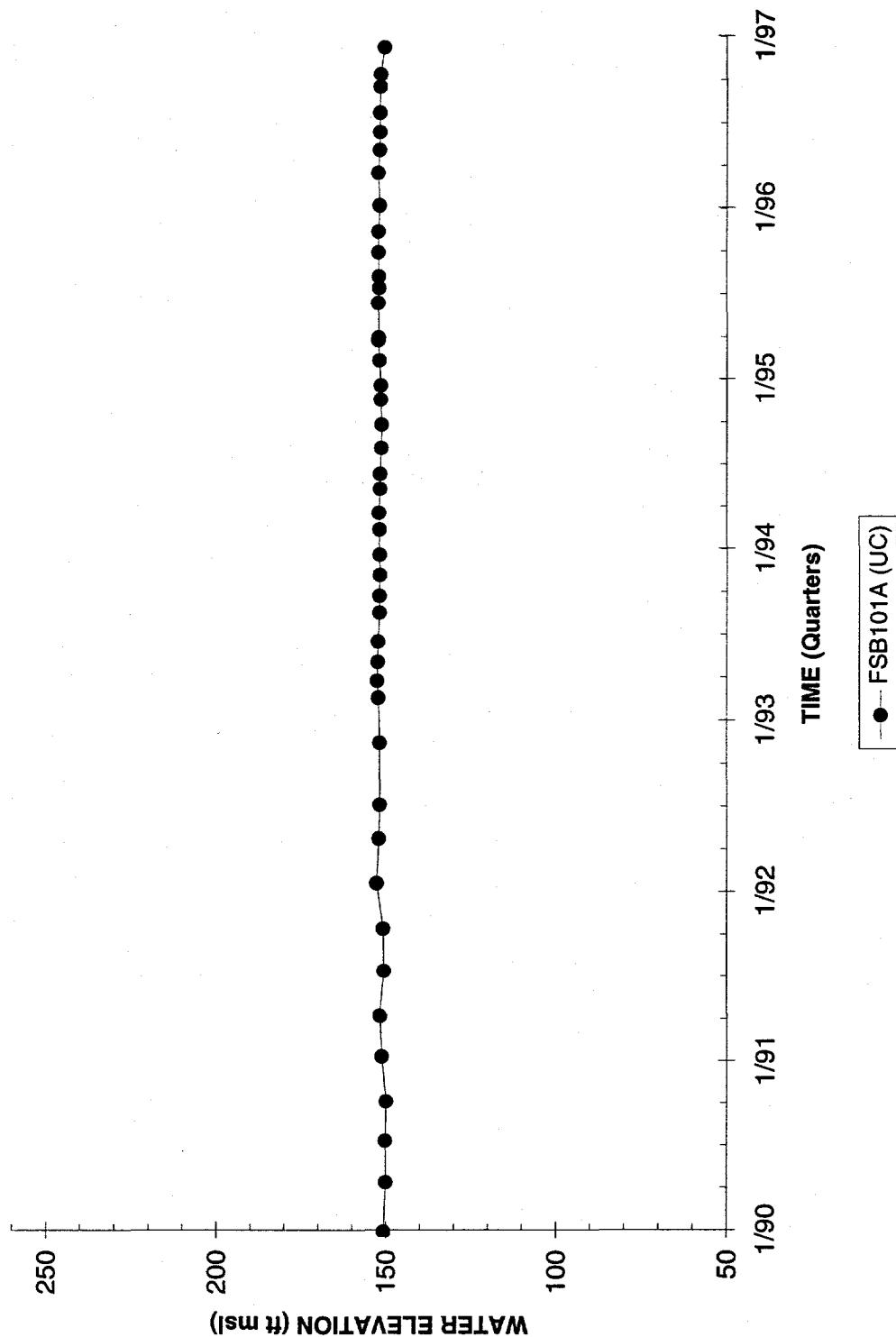
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB100A



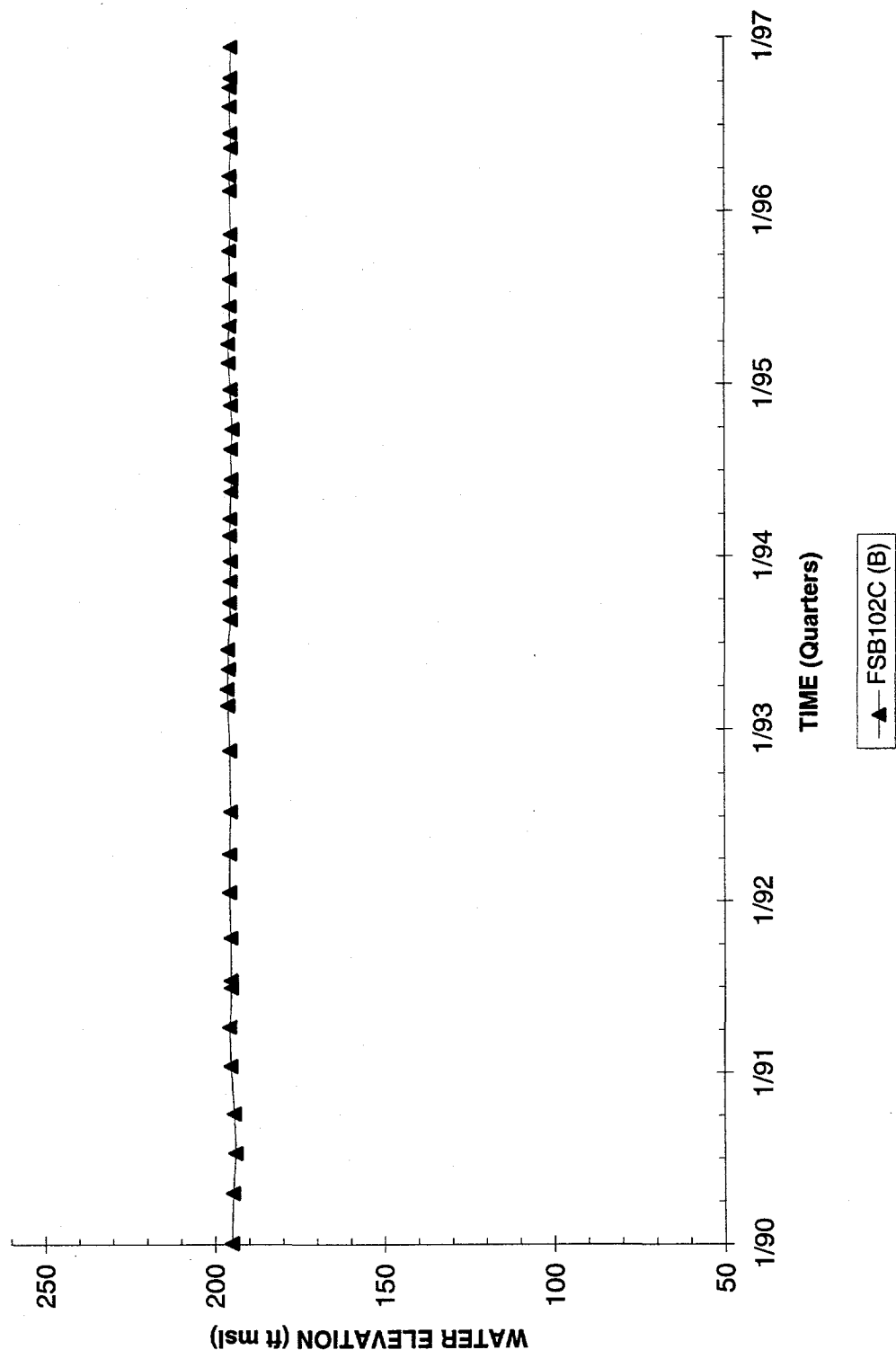
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB101A



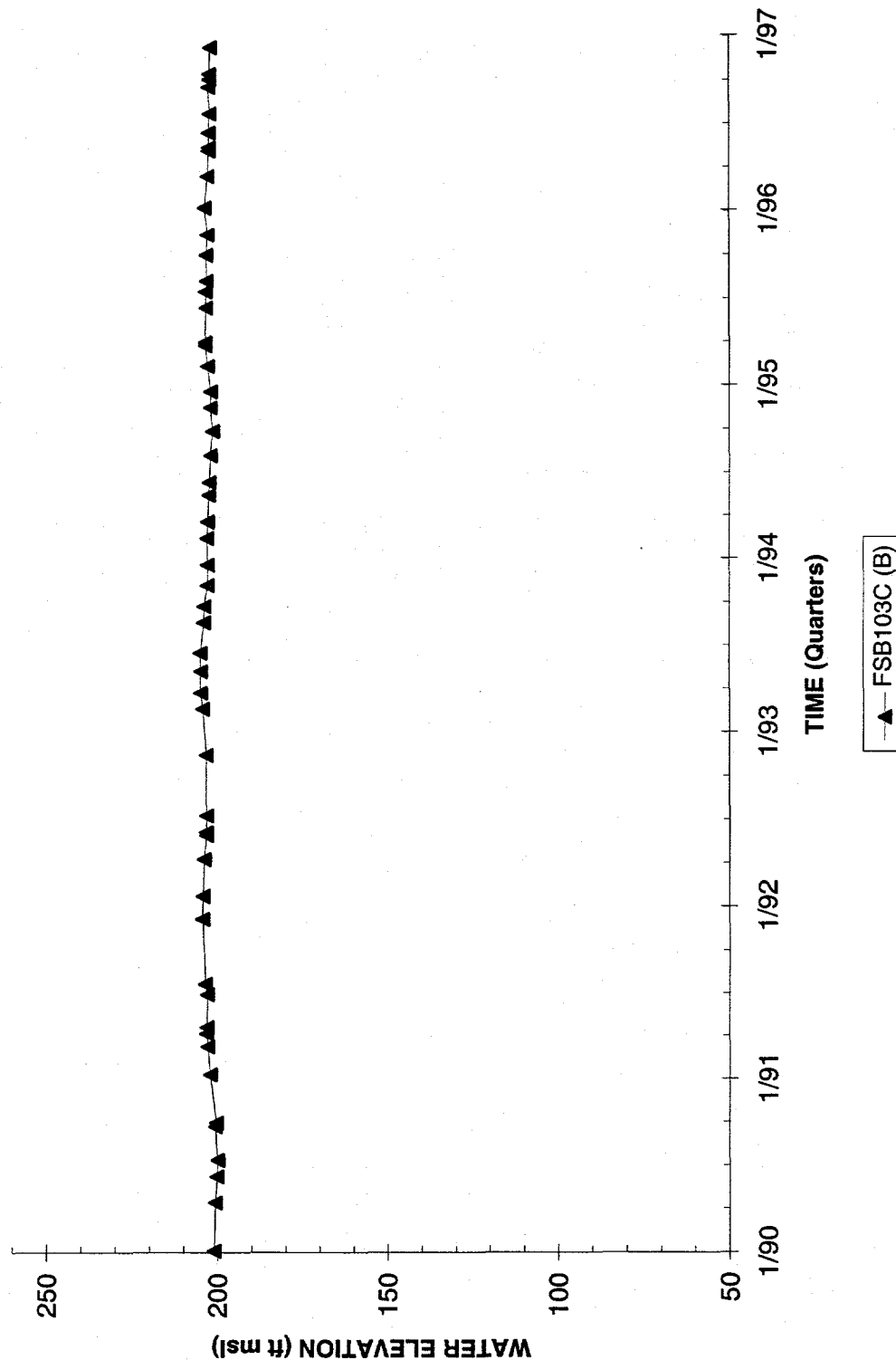
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB102C



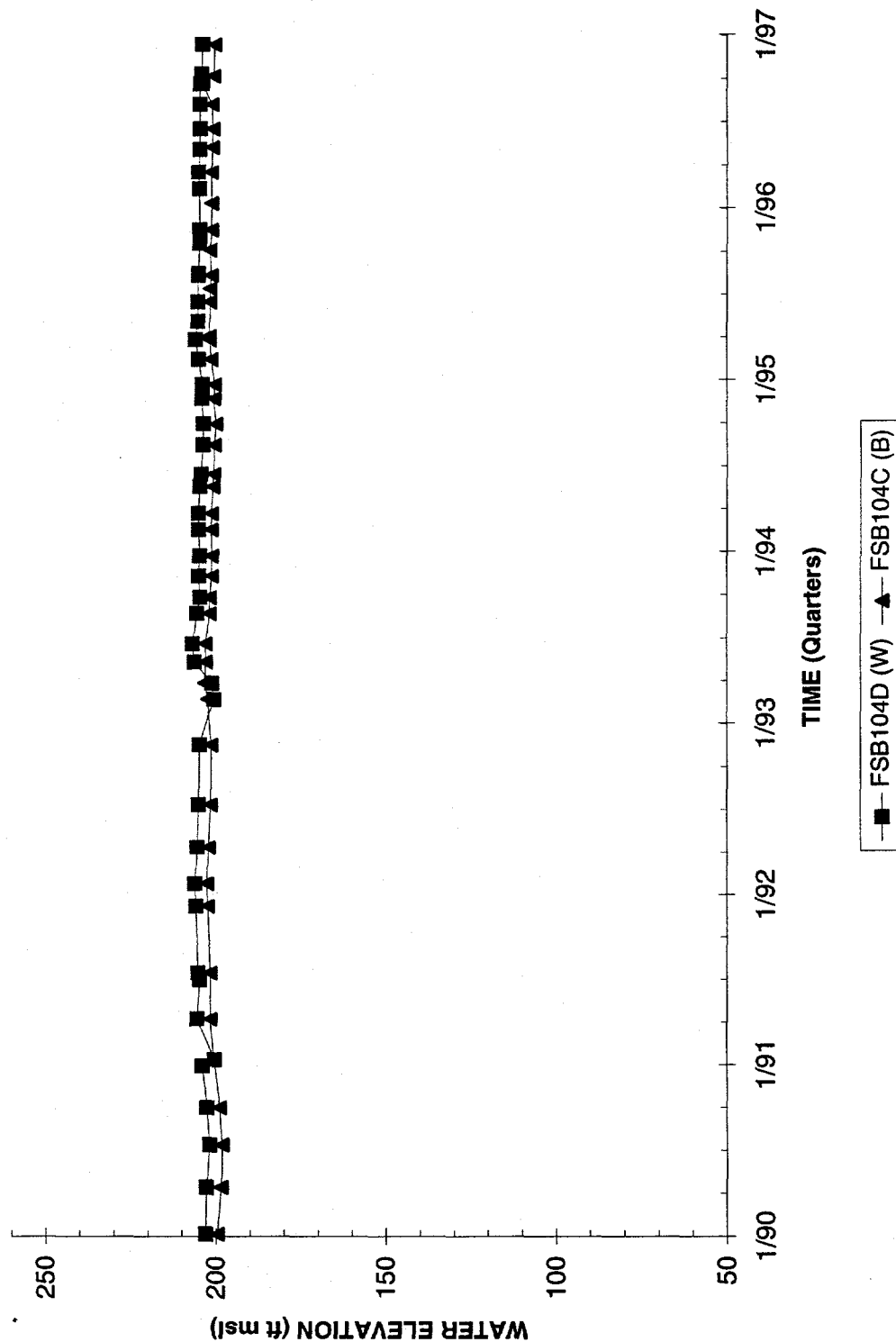
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB103C



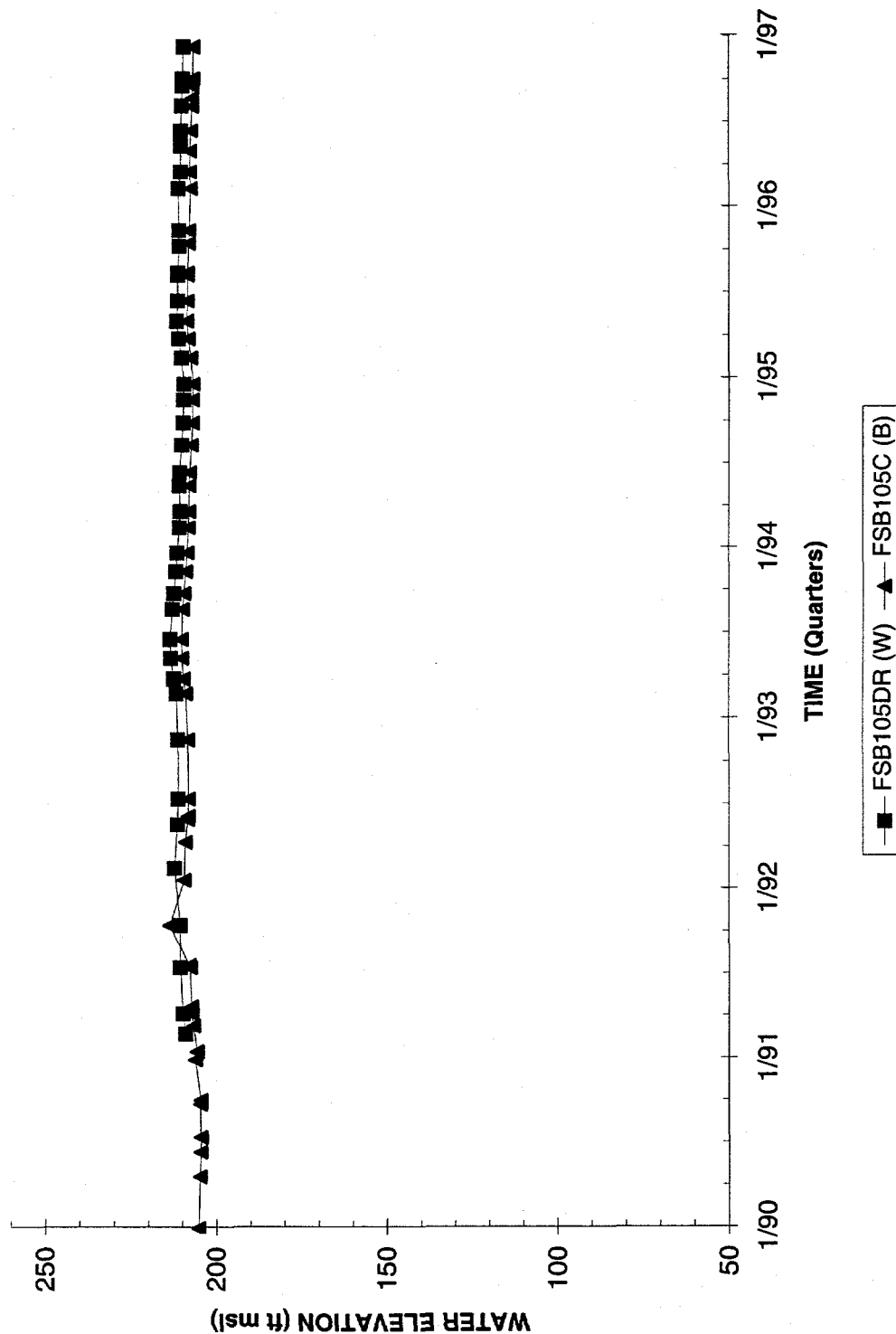
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB104



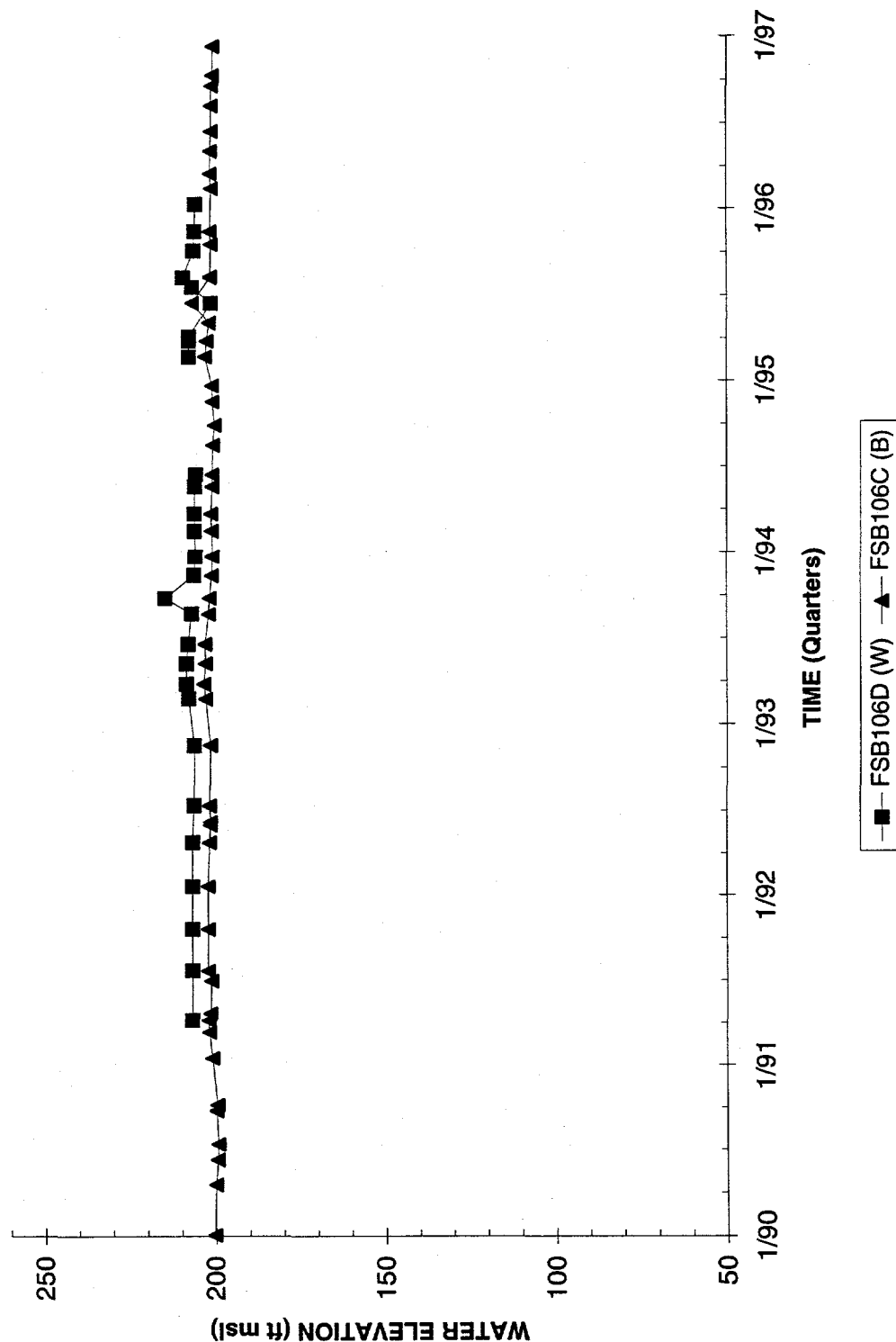
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB105



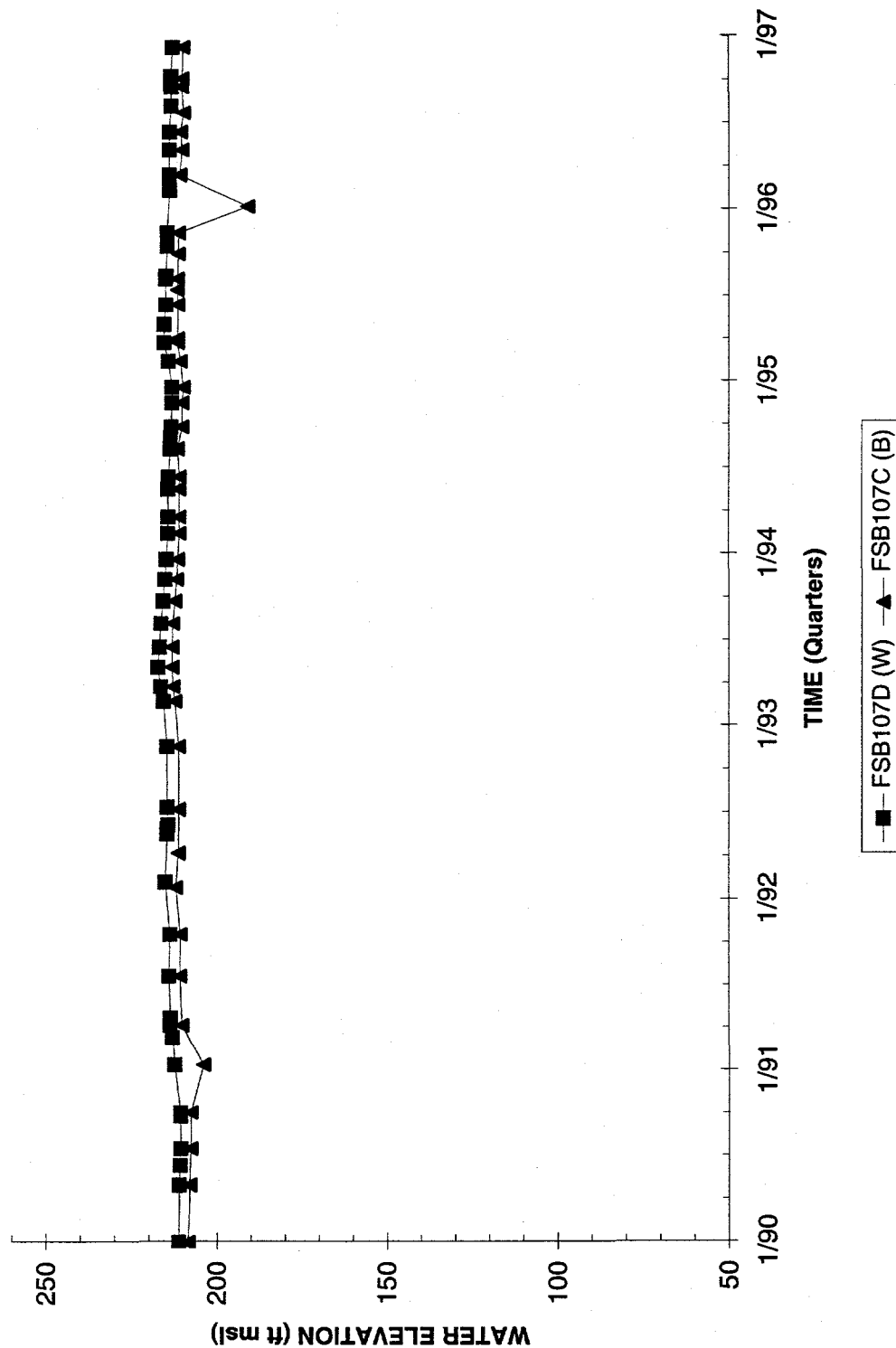
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB106



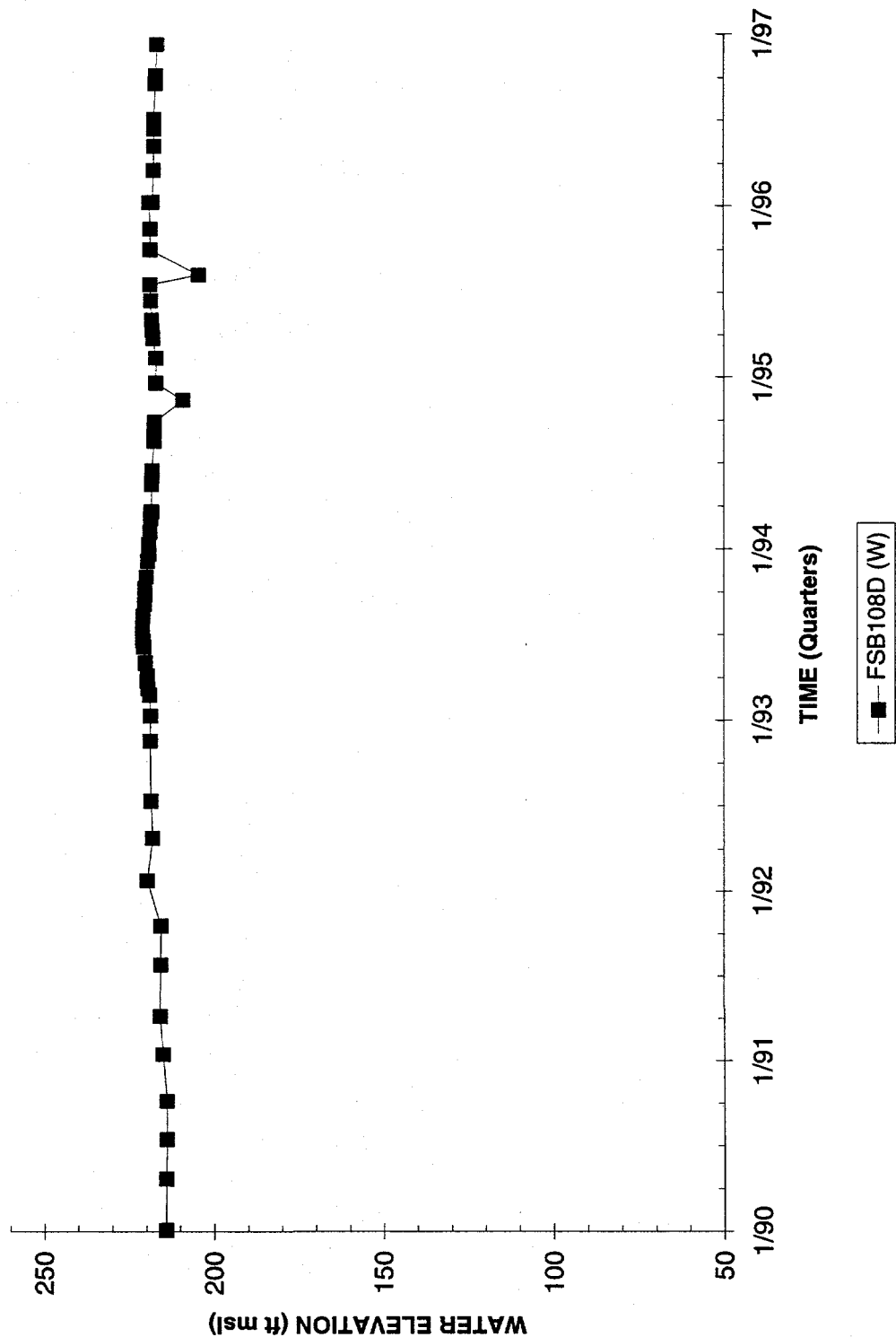
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB107



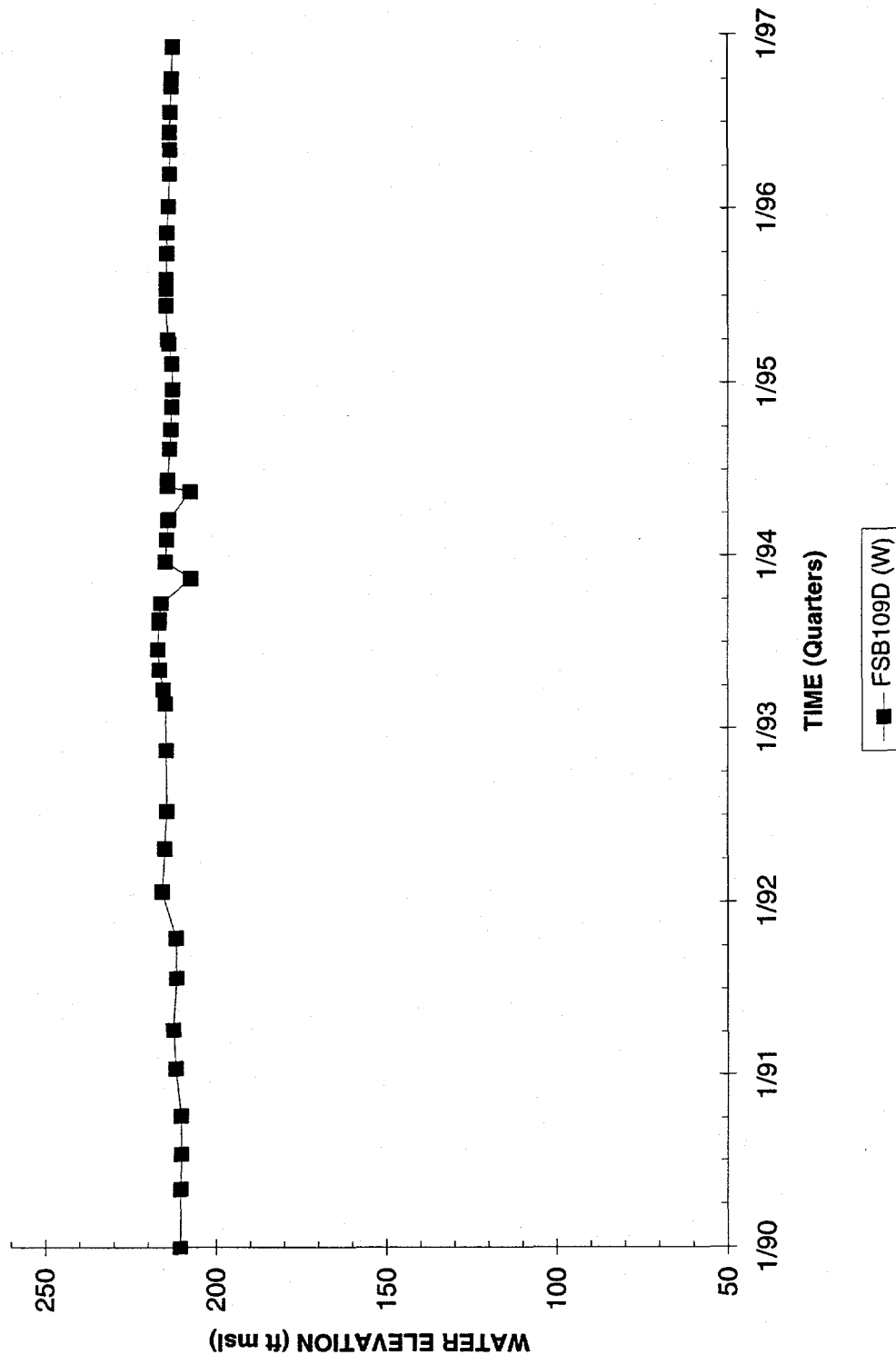
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB108D



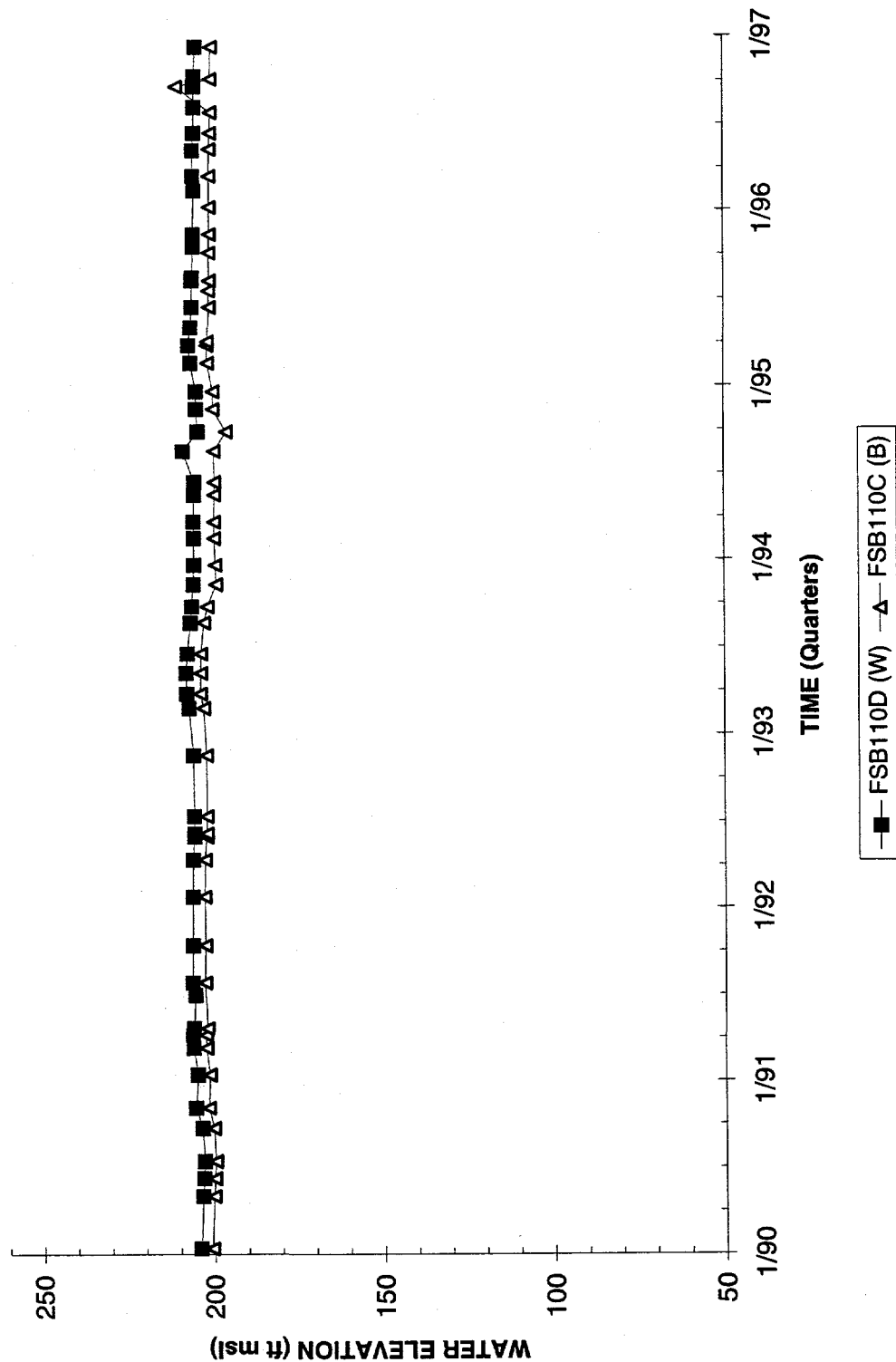
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB109D



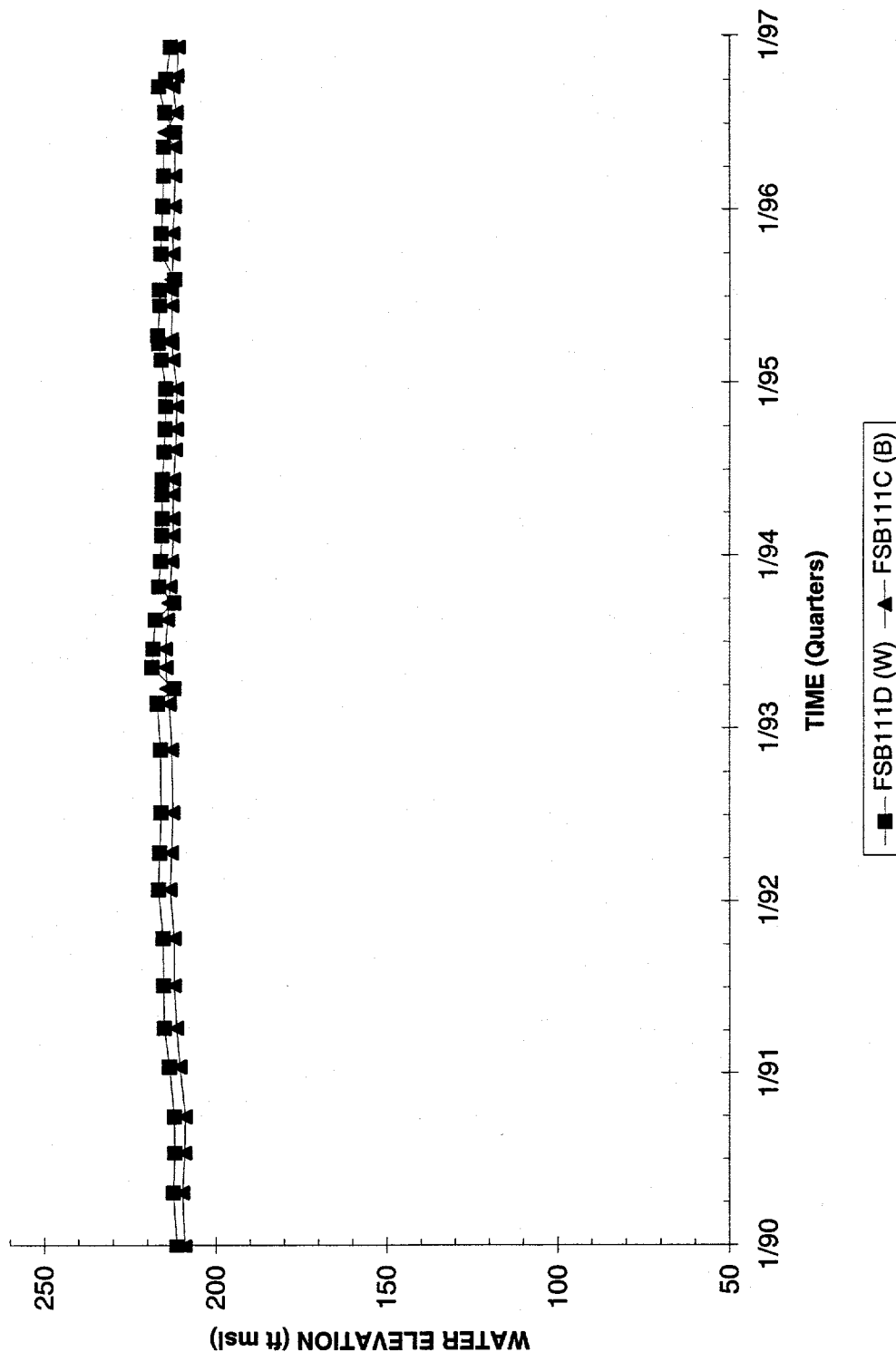
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB110



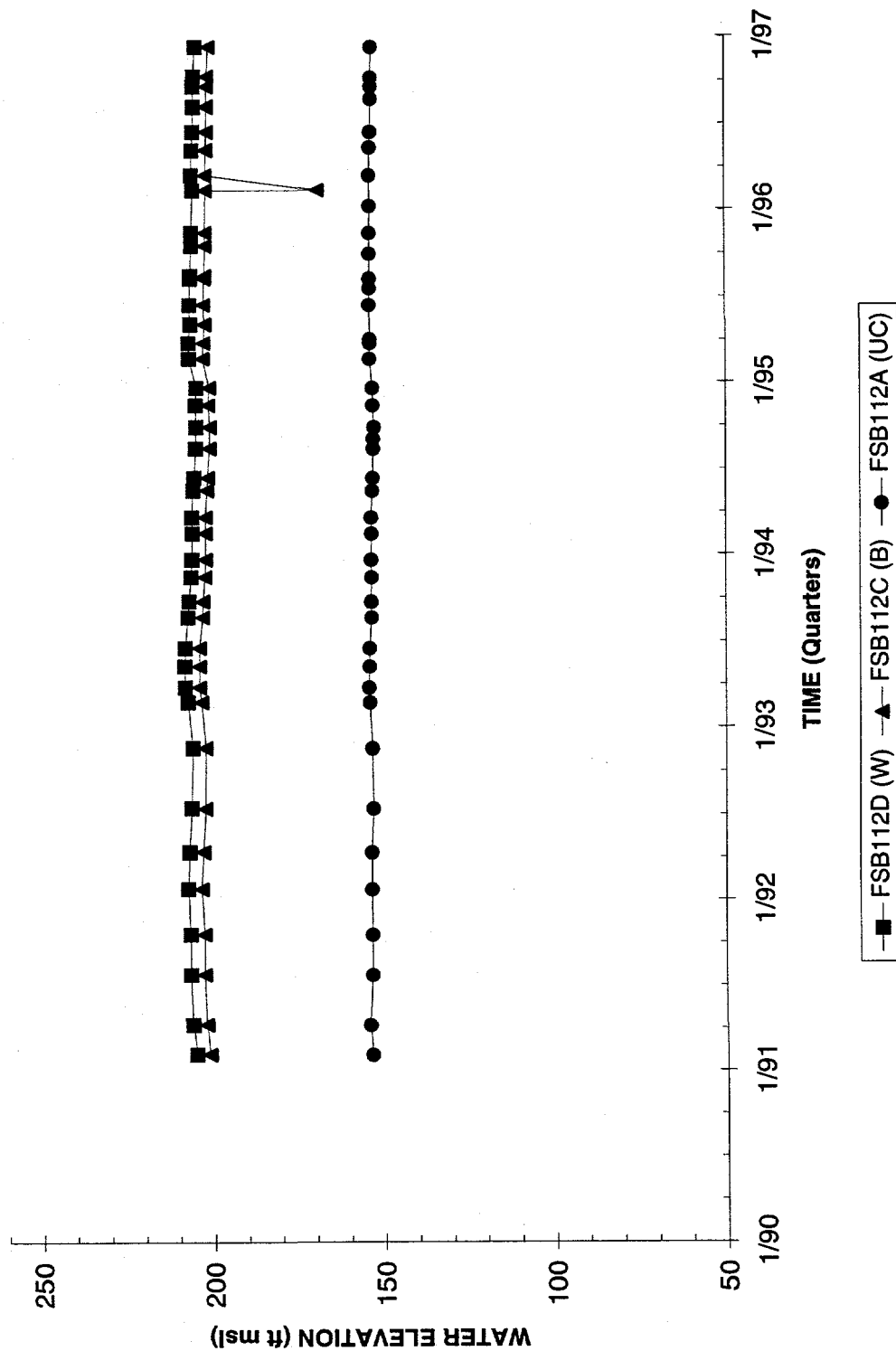
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB111



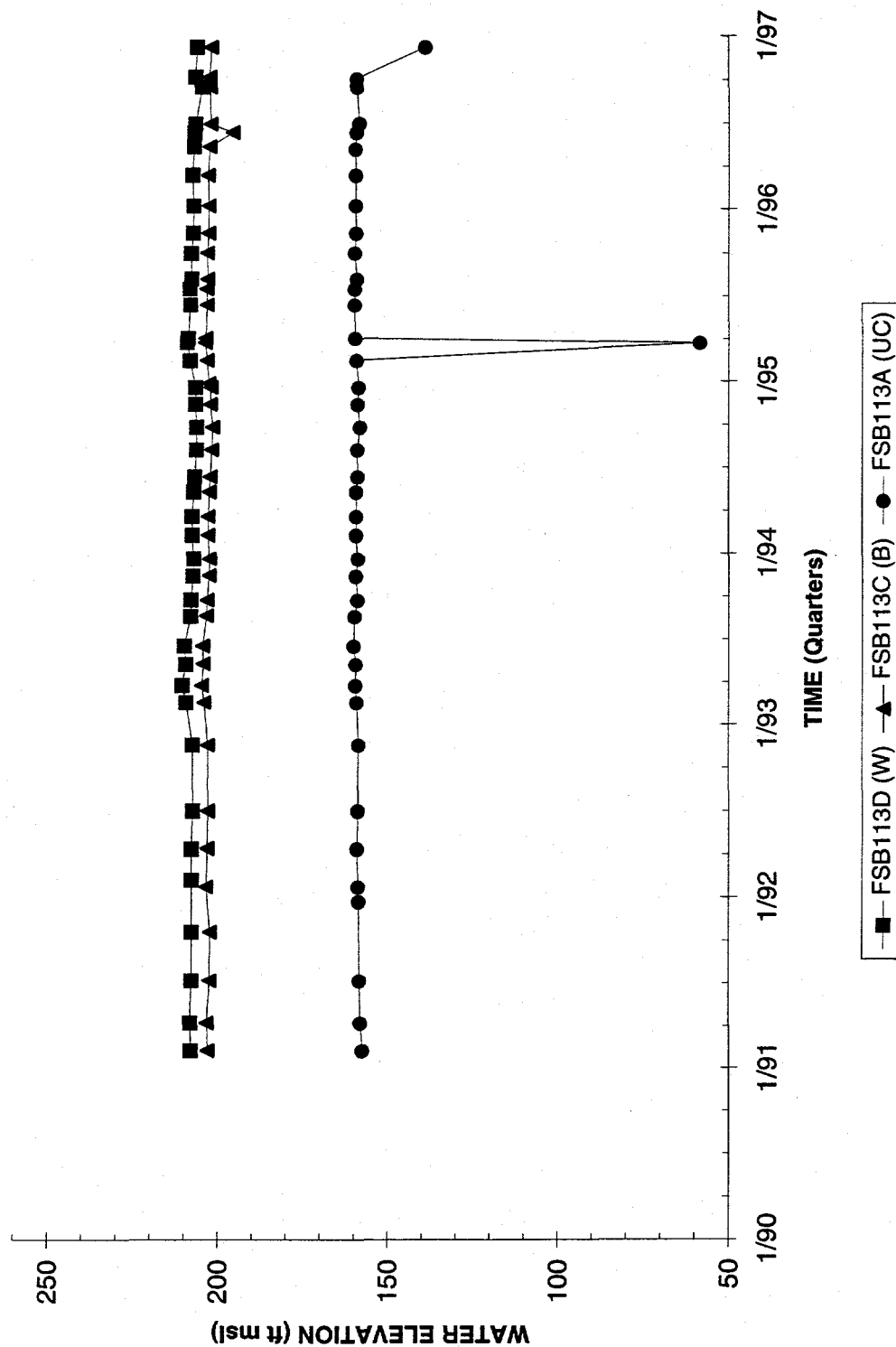
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB112



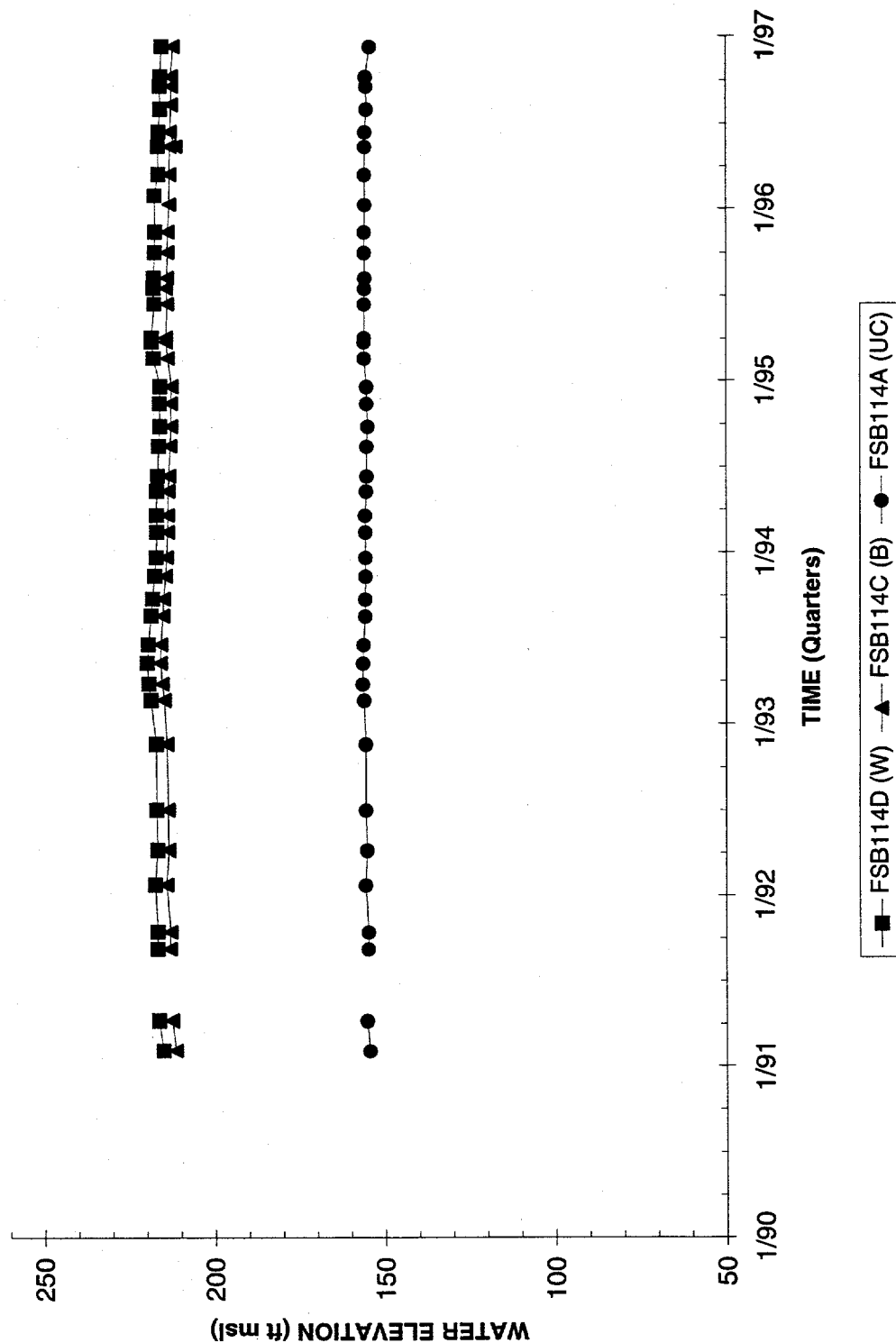
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB113



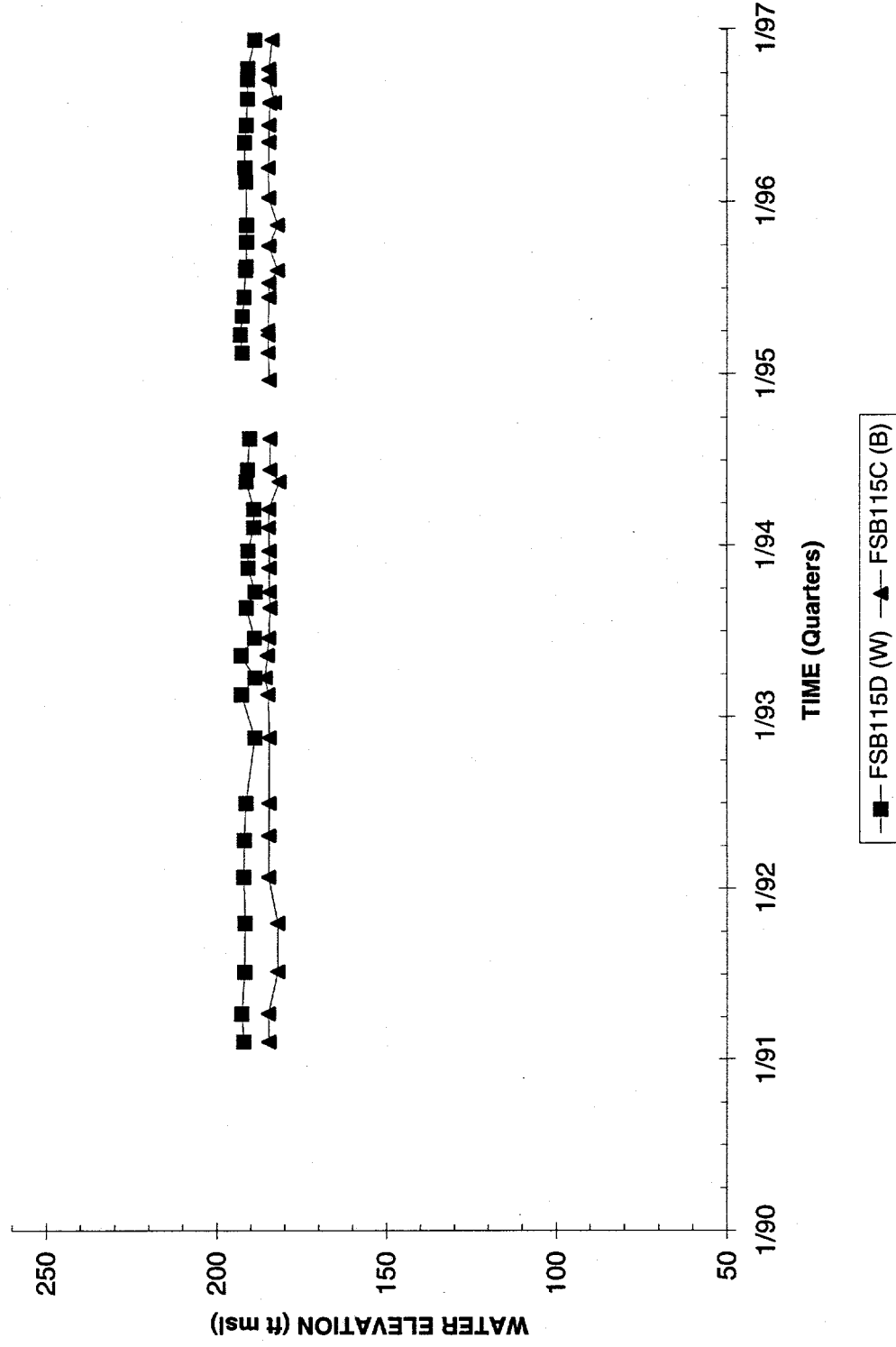
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB114



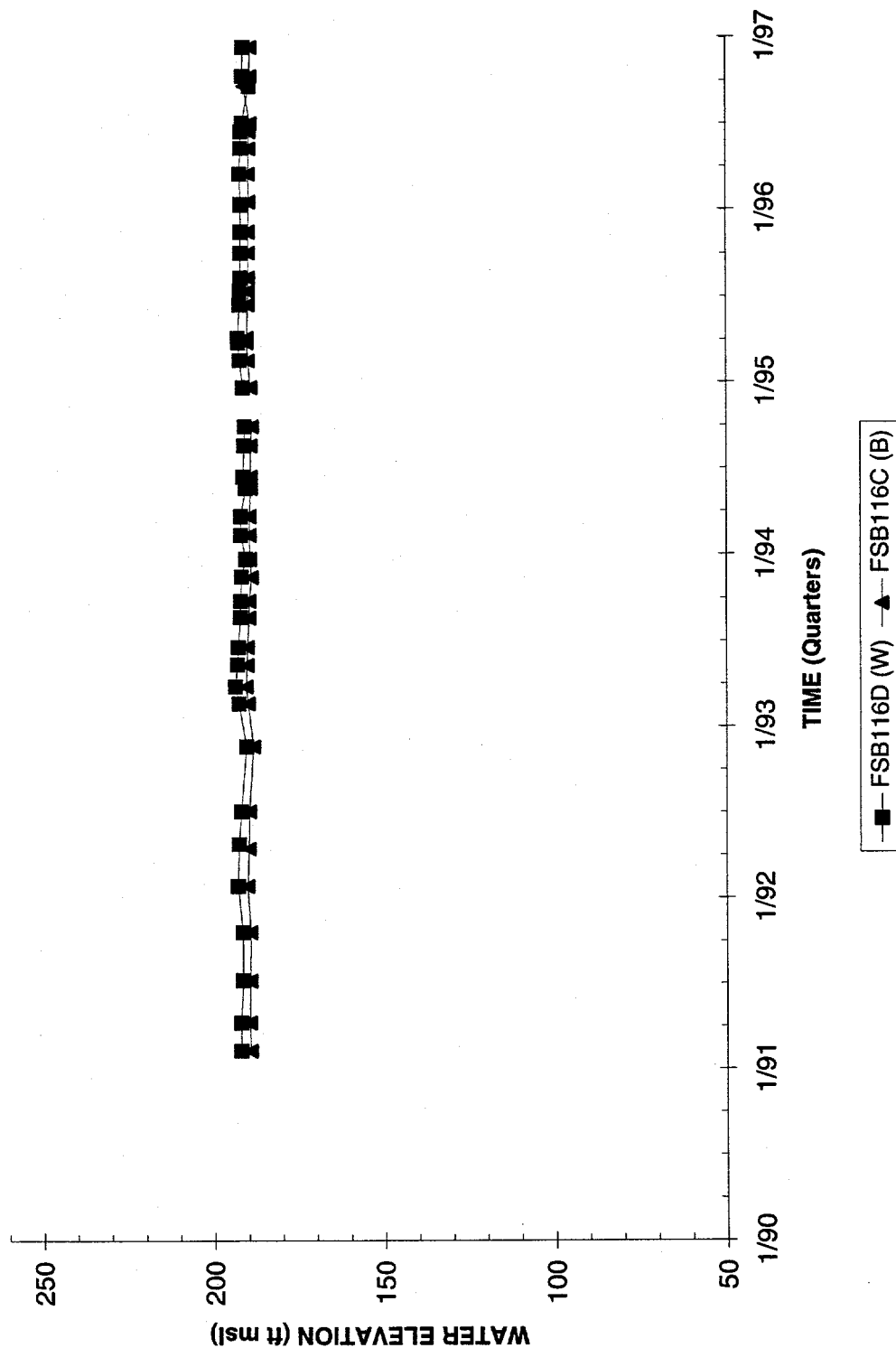
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB115



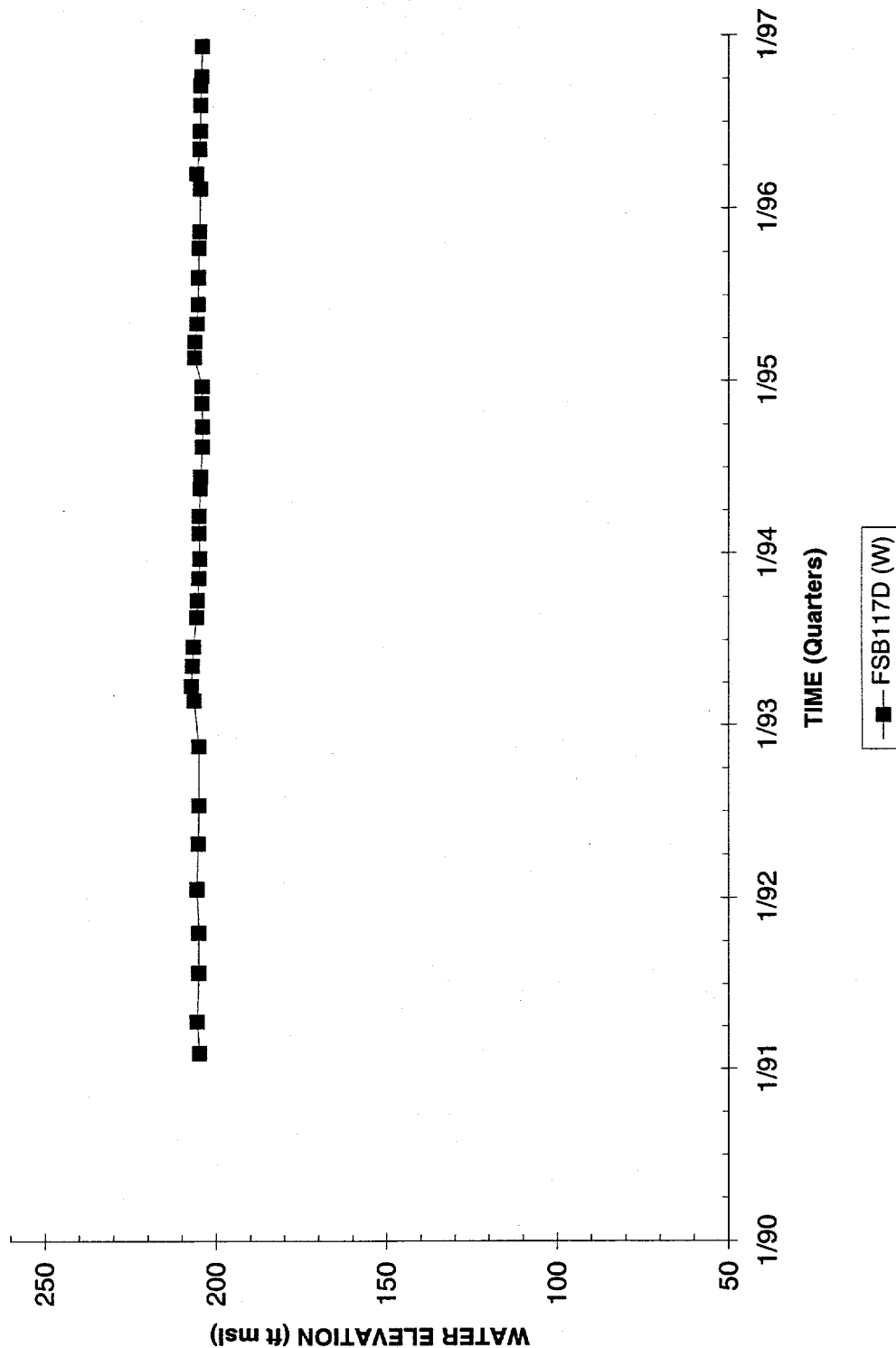
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB116



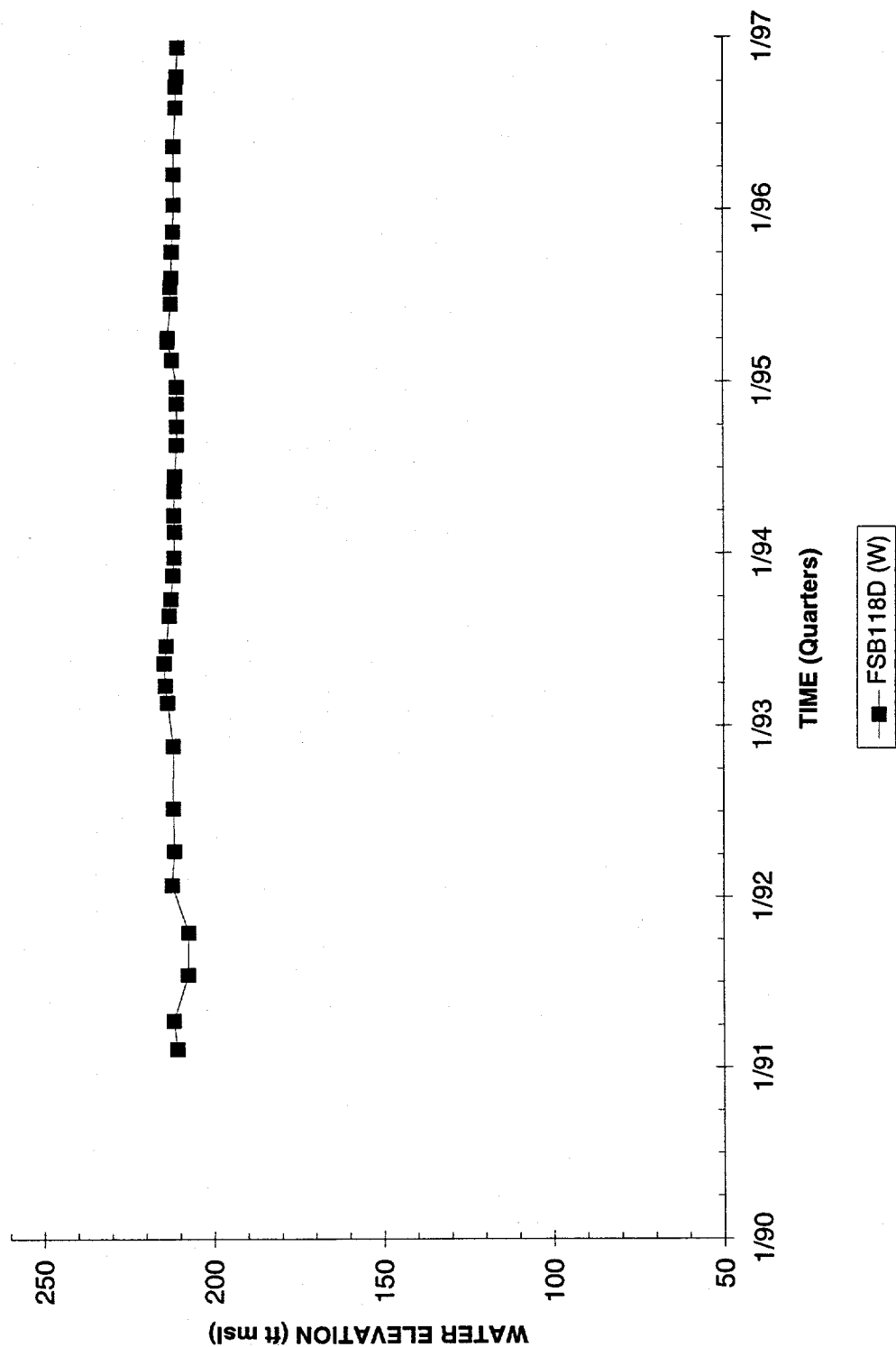
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB117D



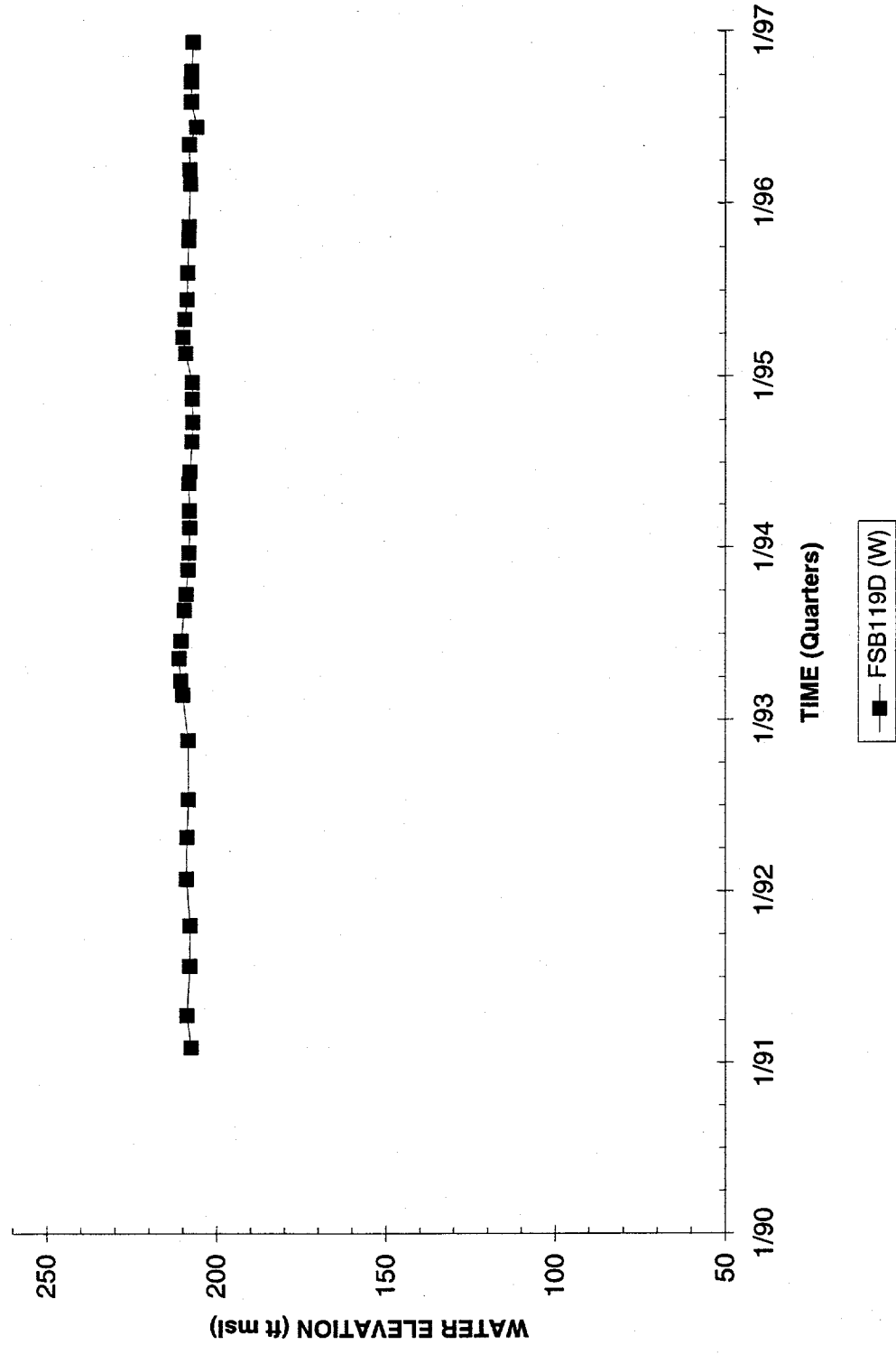
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB118D



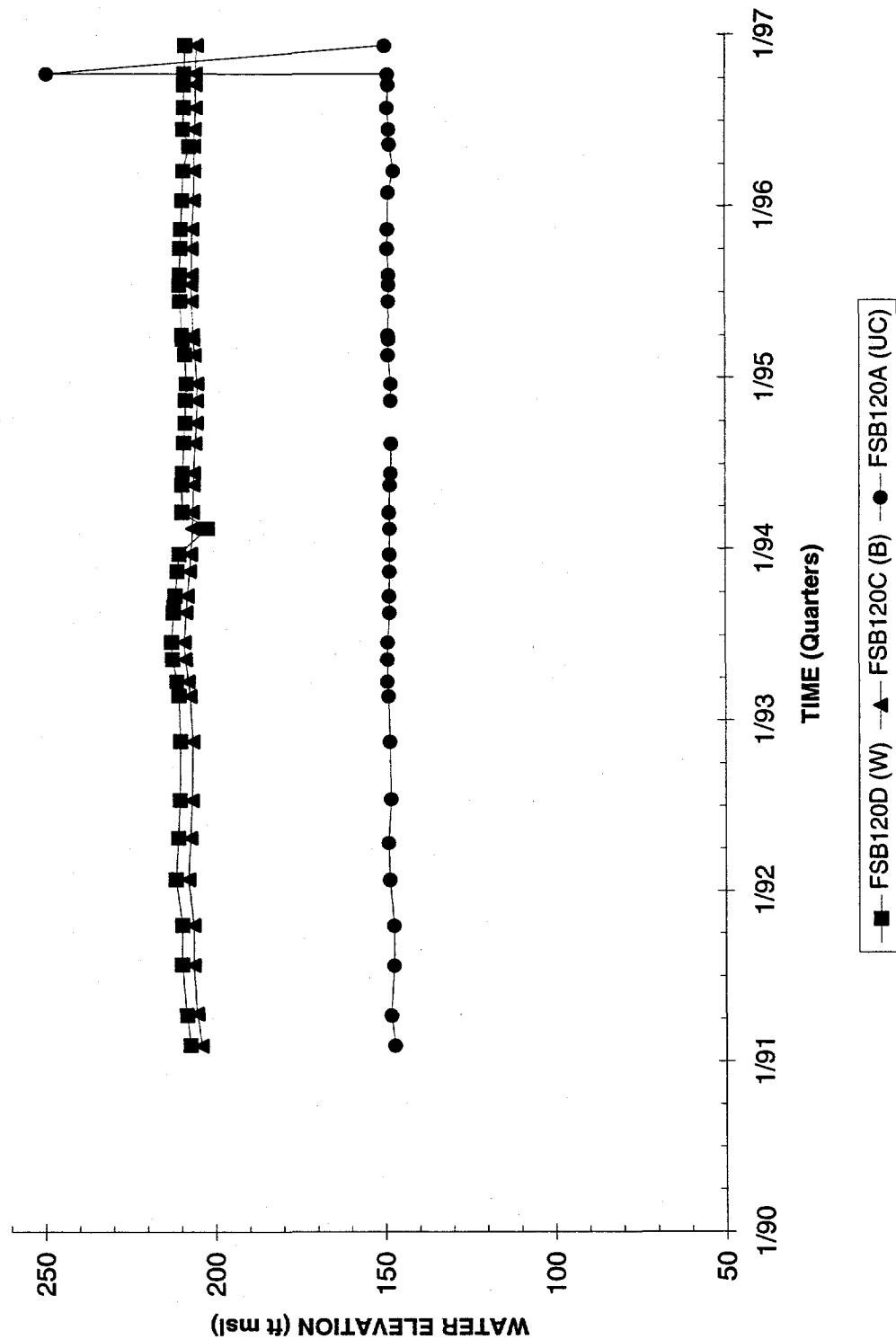
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSB119D



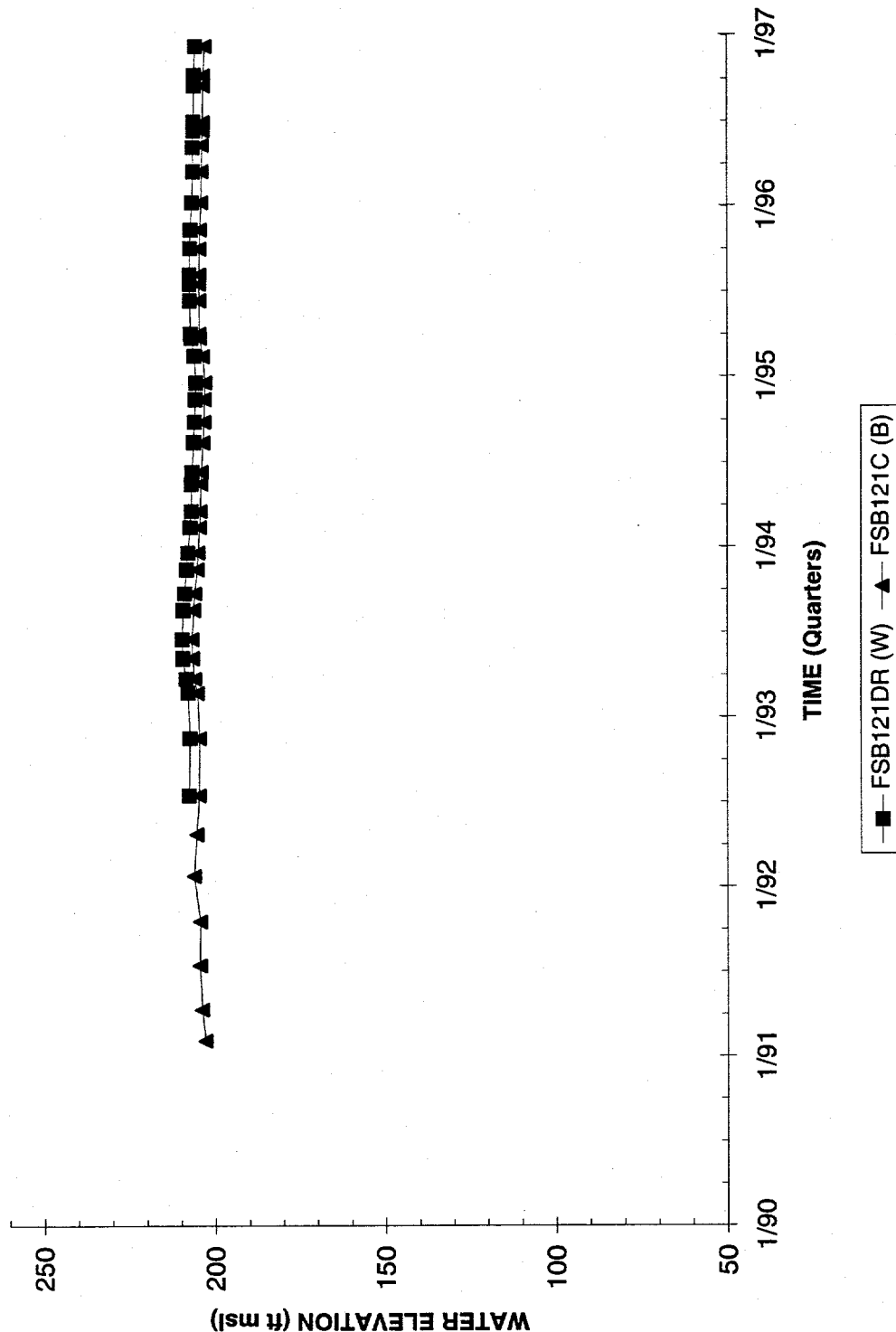
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB120



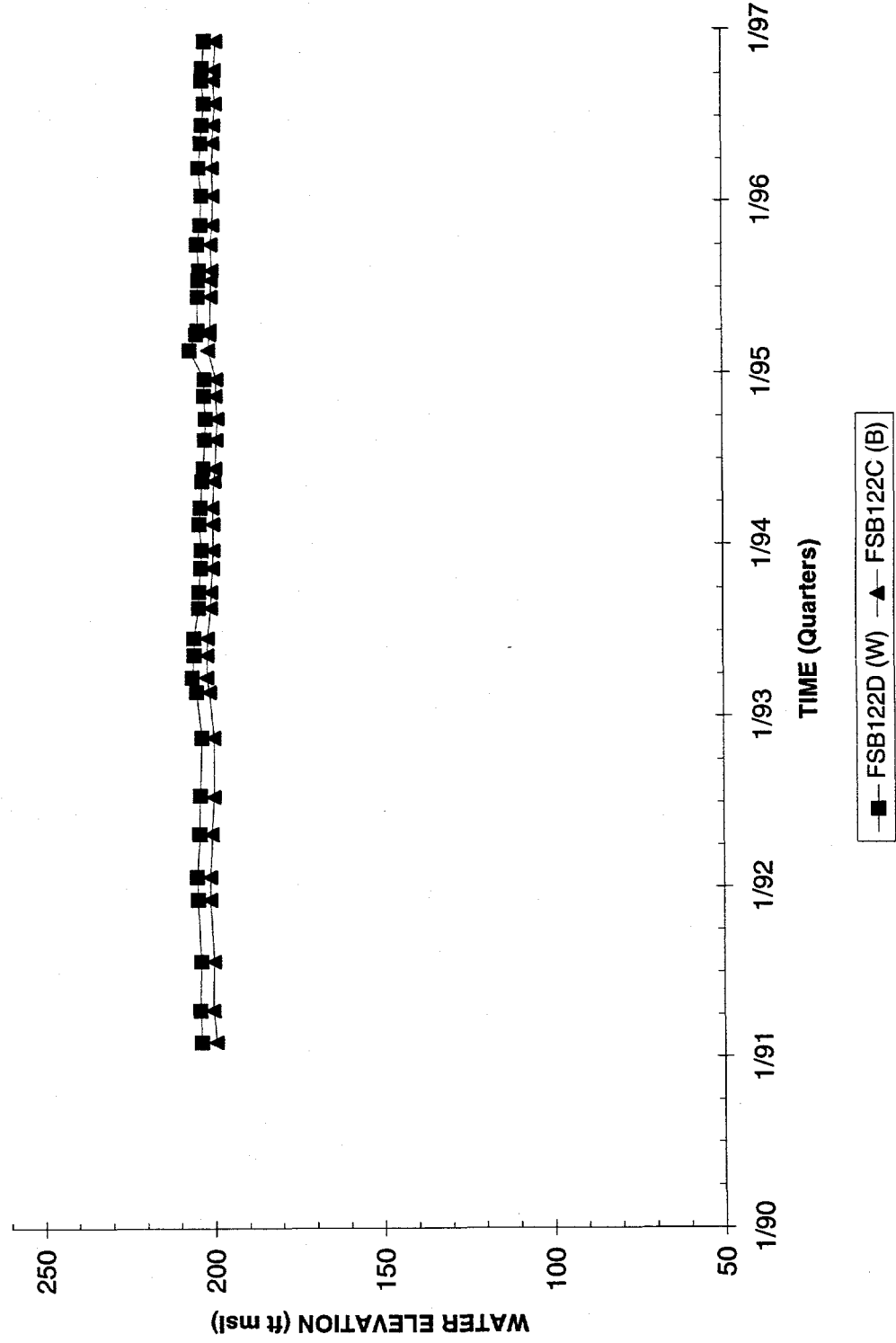
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB121



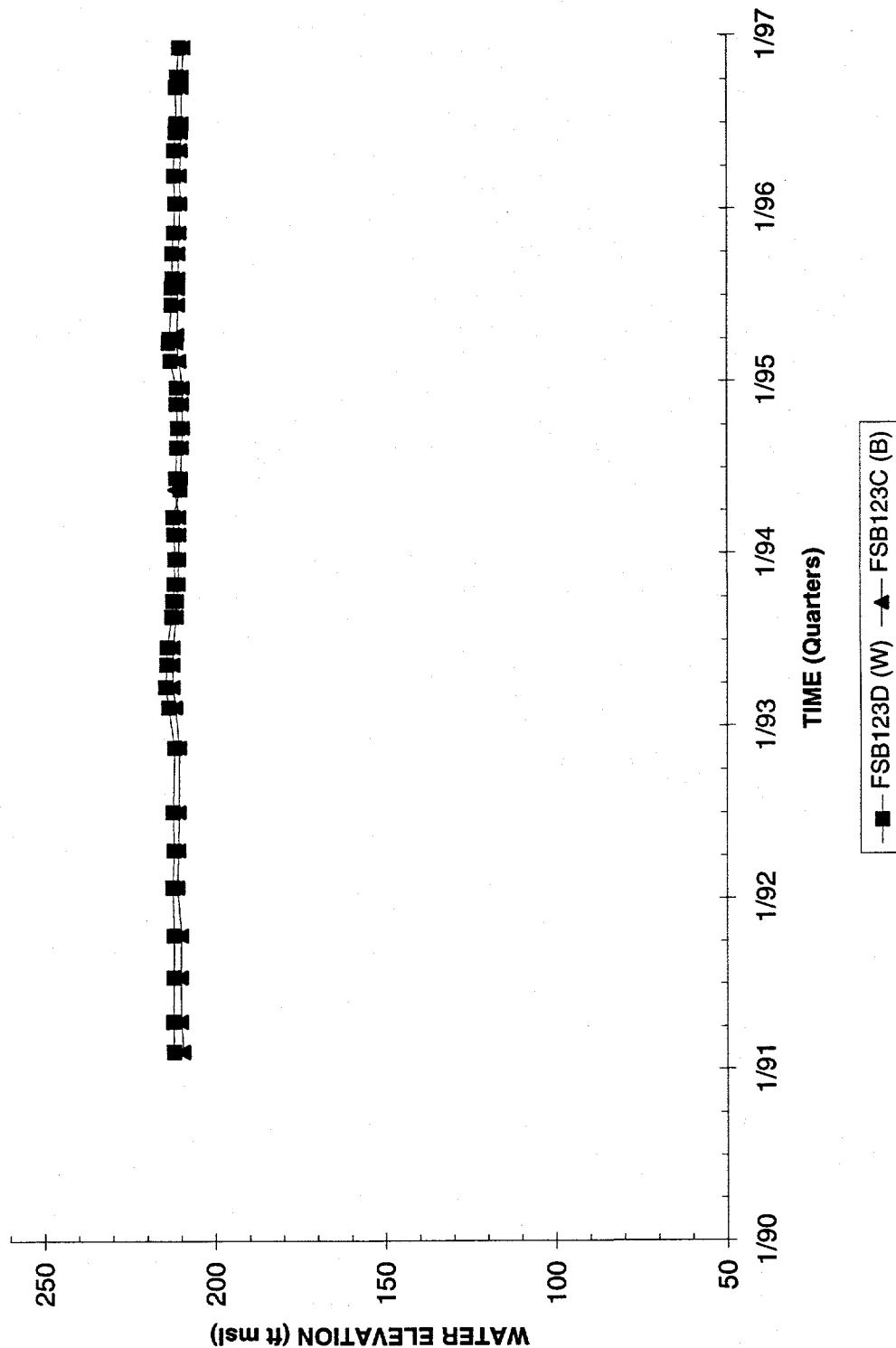
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB122



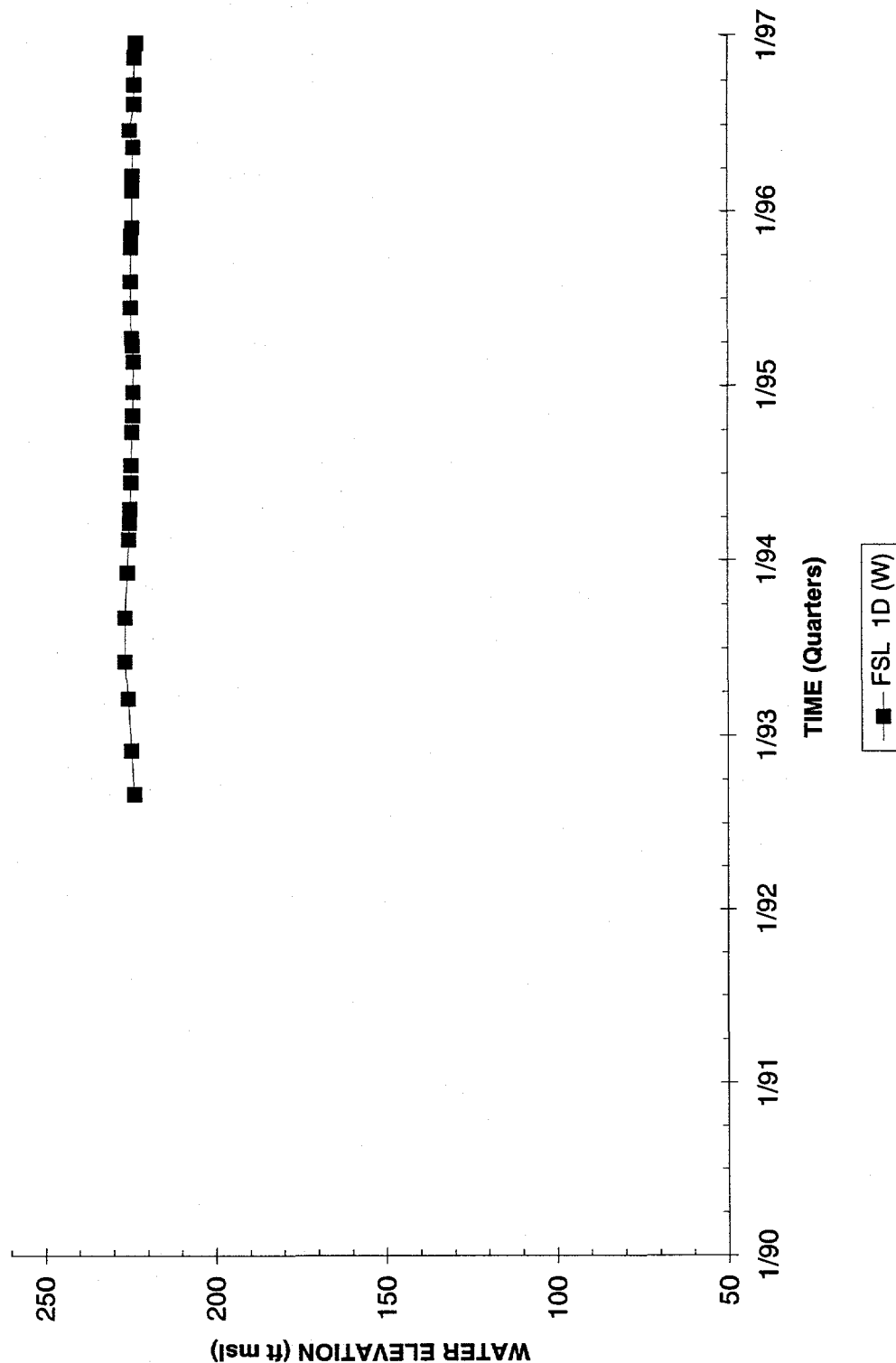
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster FSB123



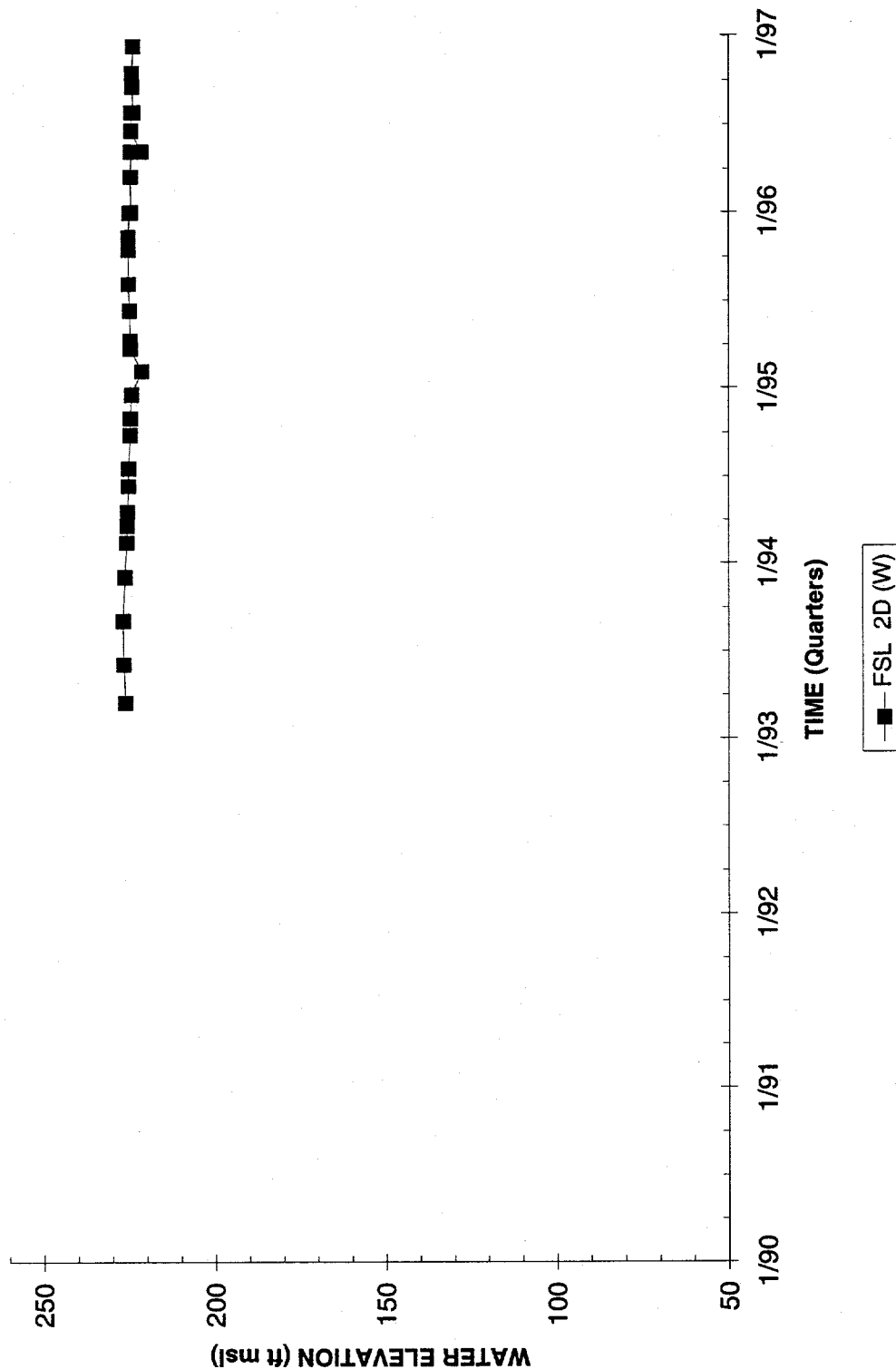
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSL 1D



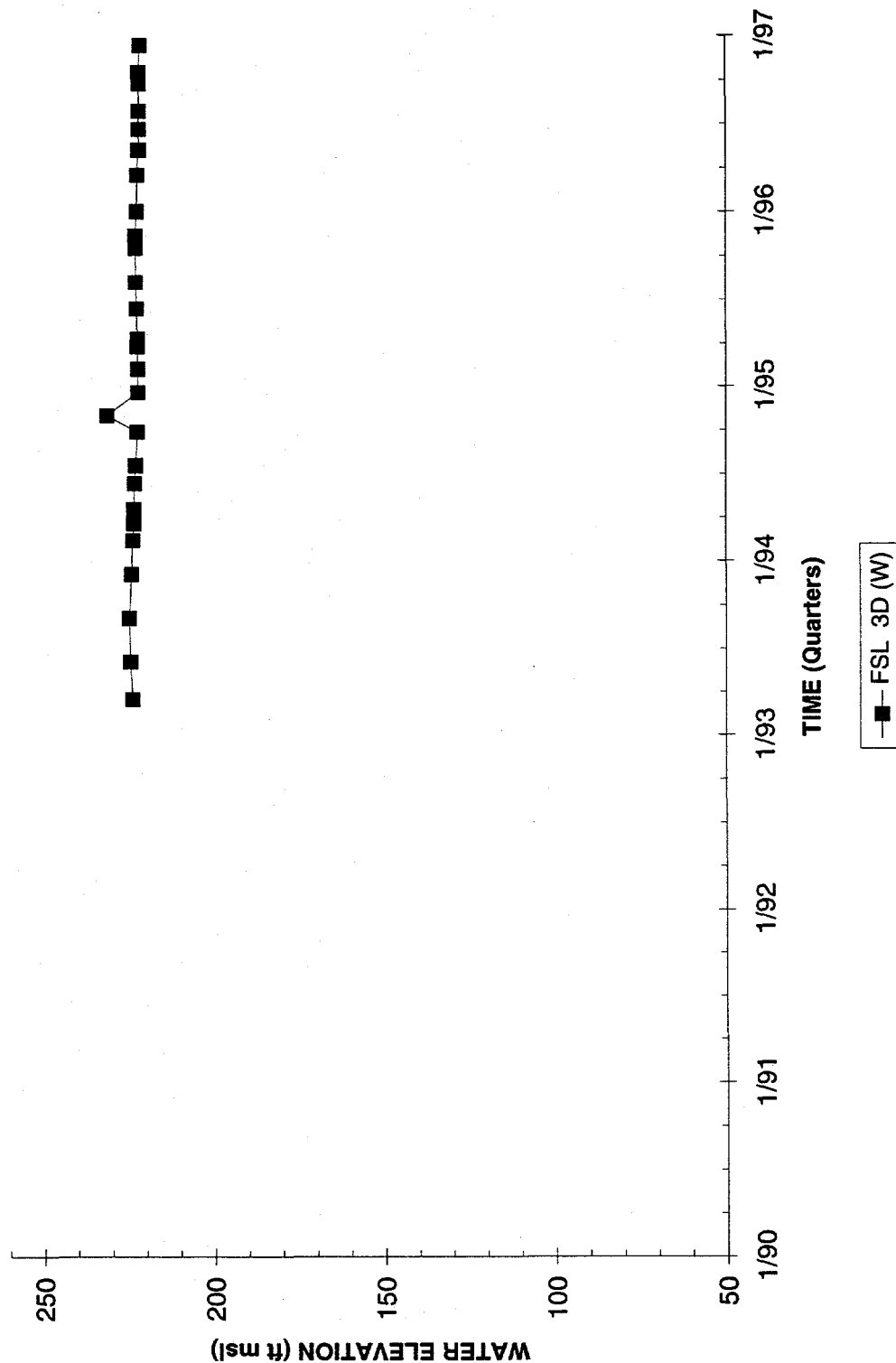
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSL 2D



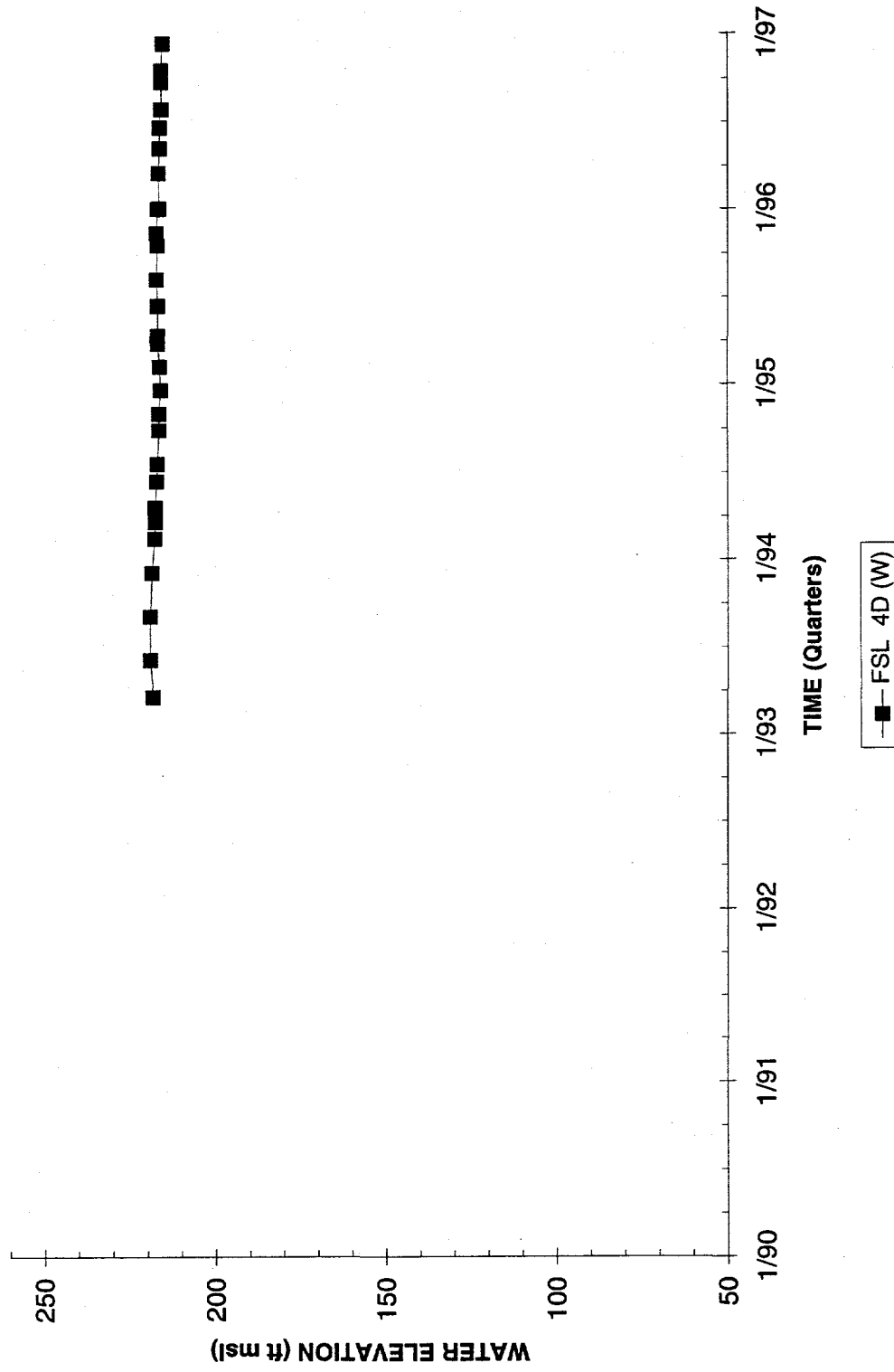
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSL 3D



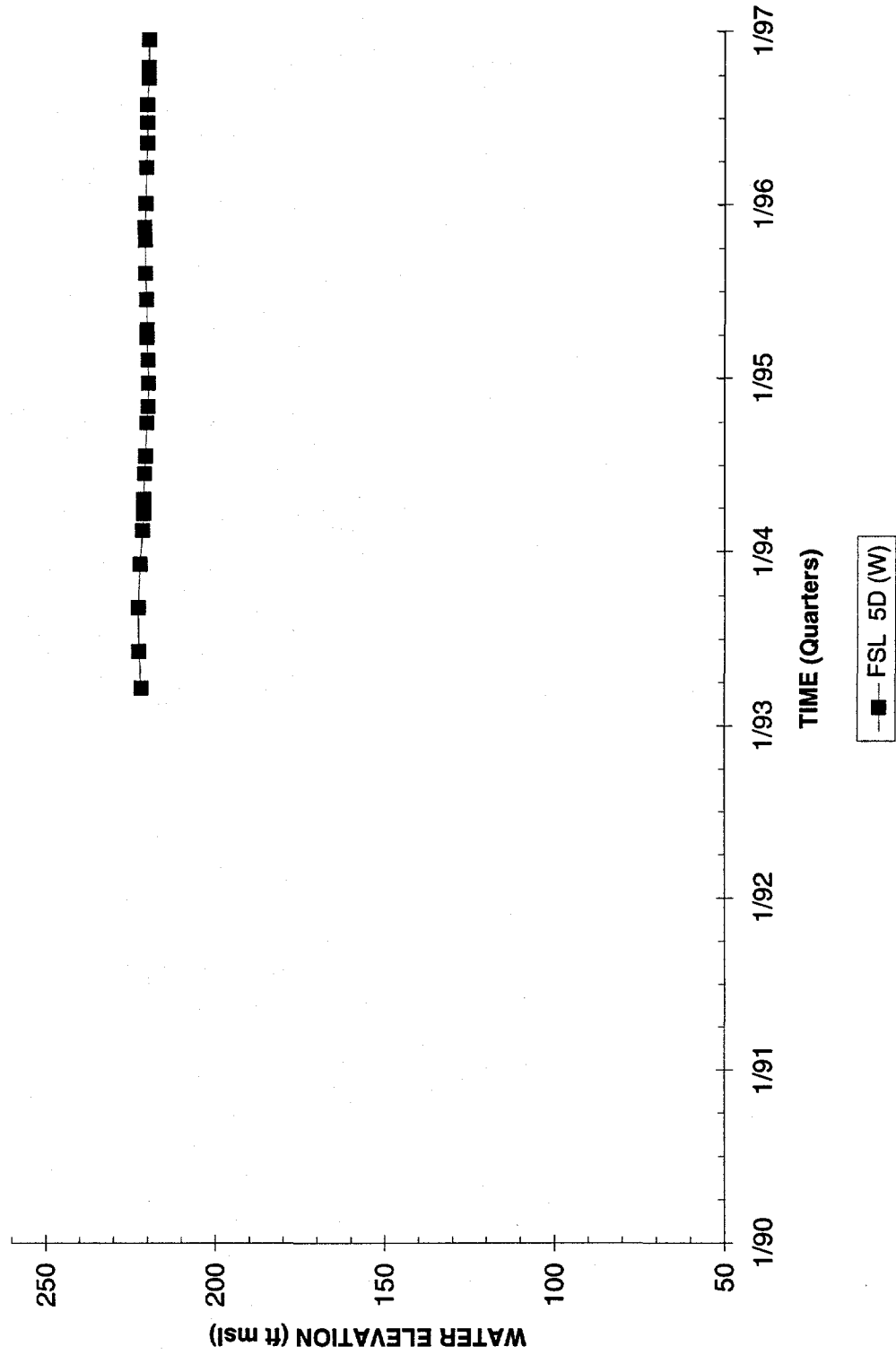
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSL 4D



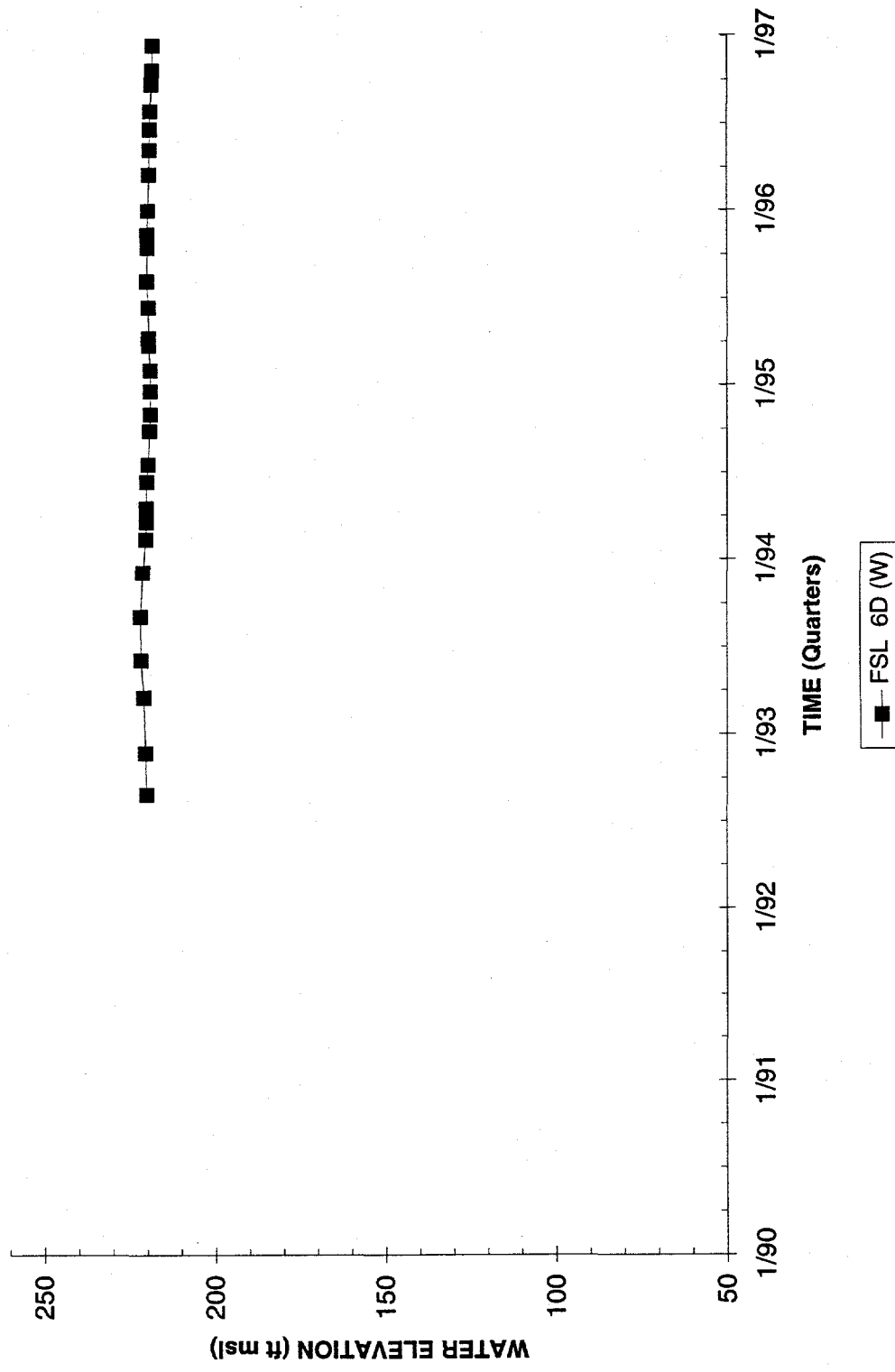
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSL 5D



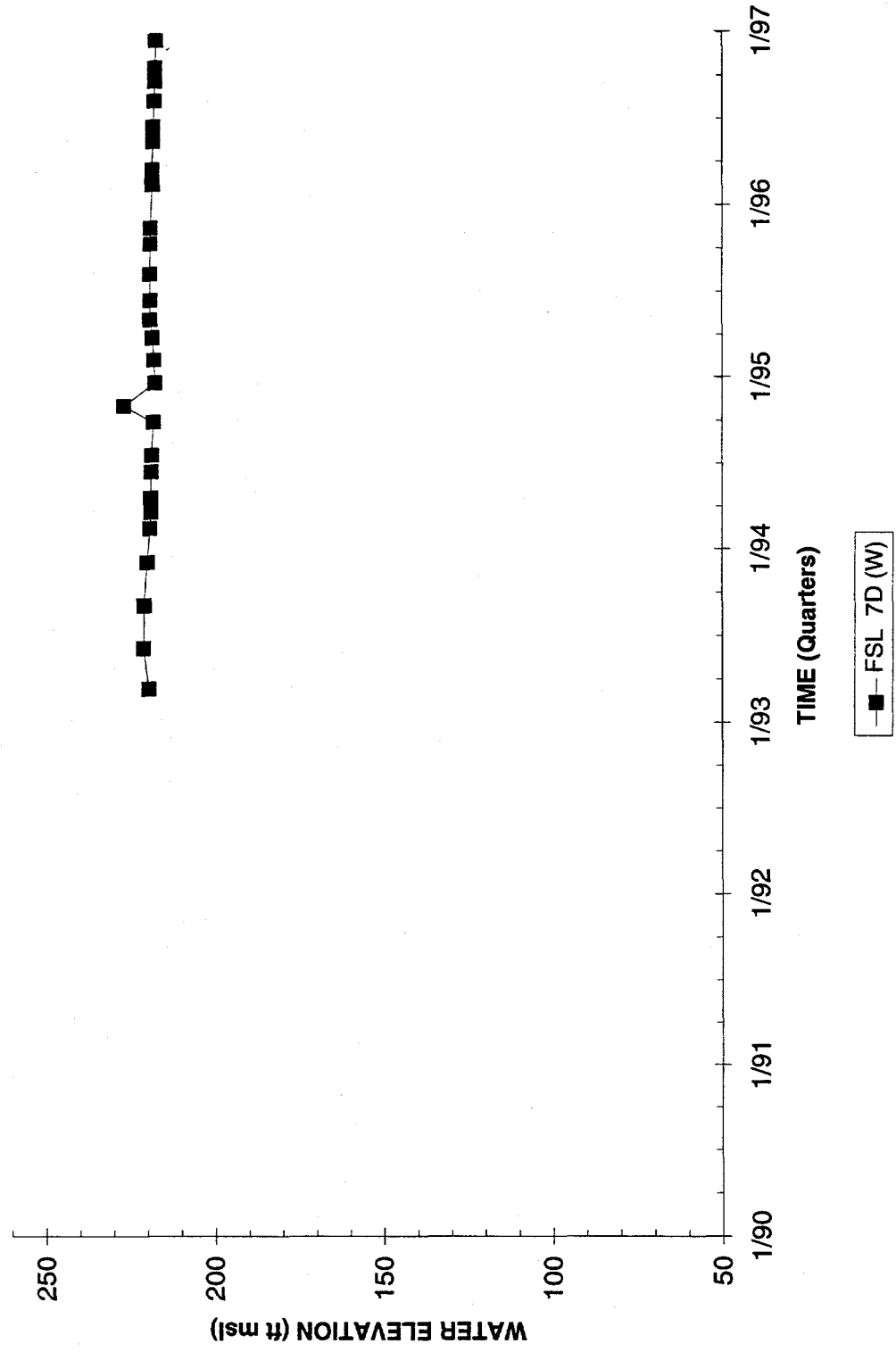
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSL 6D



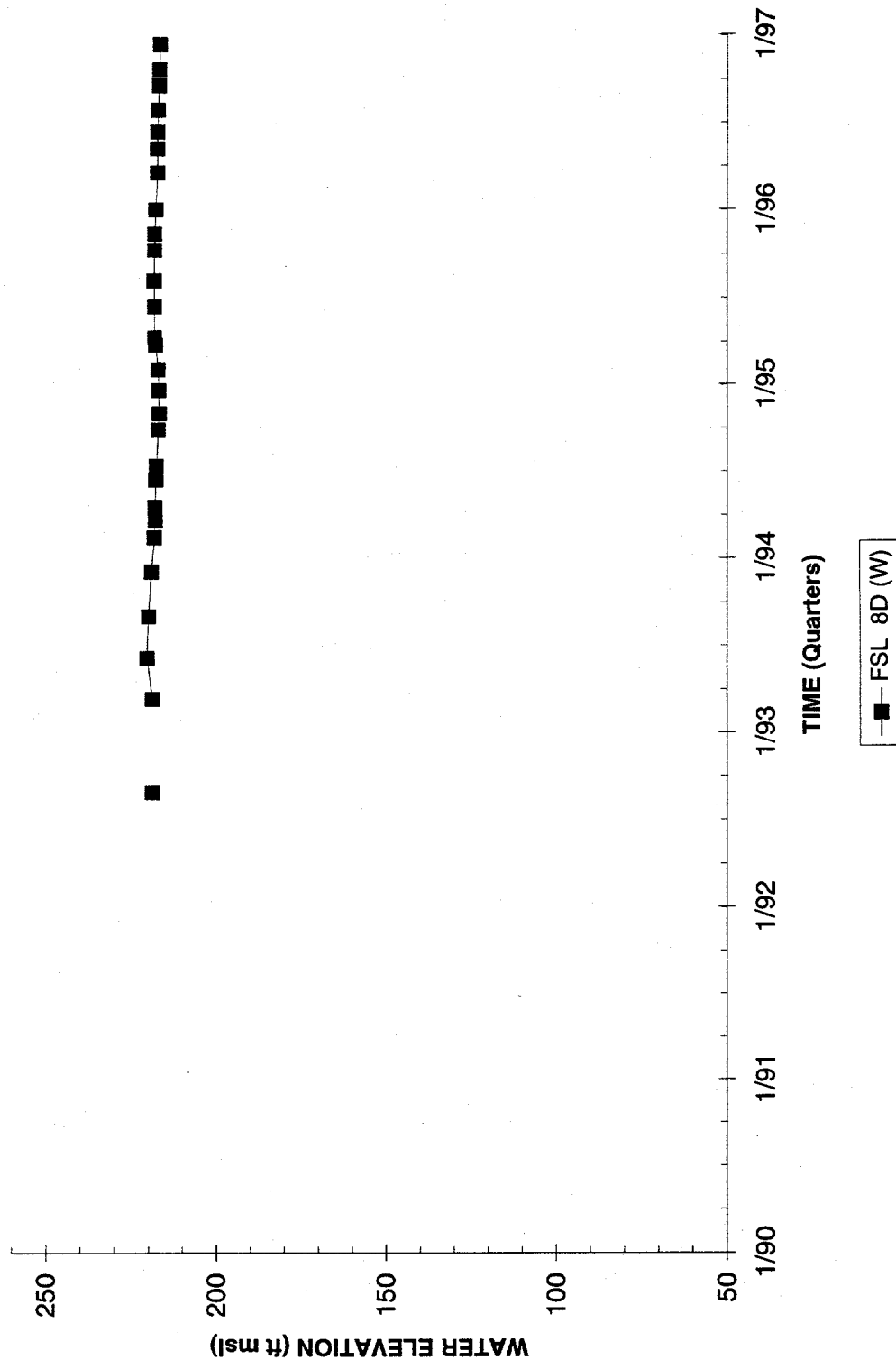
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IA); MC=Middle Congaree (IA); LC=Lower Congaree (IA)

Hydrograph Well FSL 7D



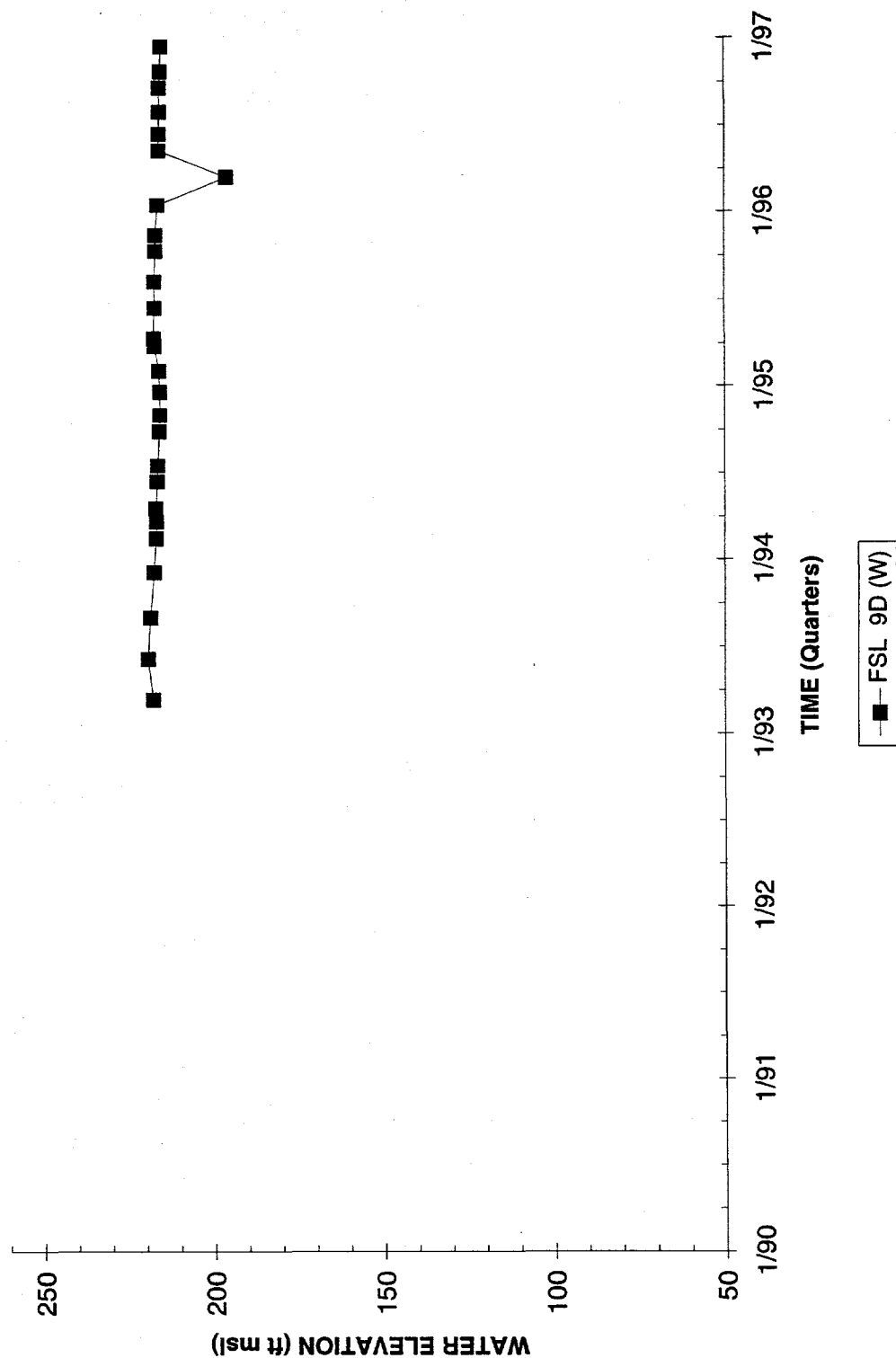
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSL 8D



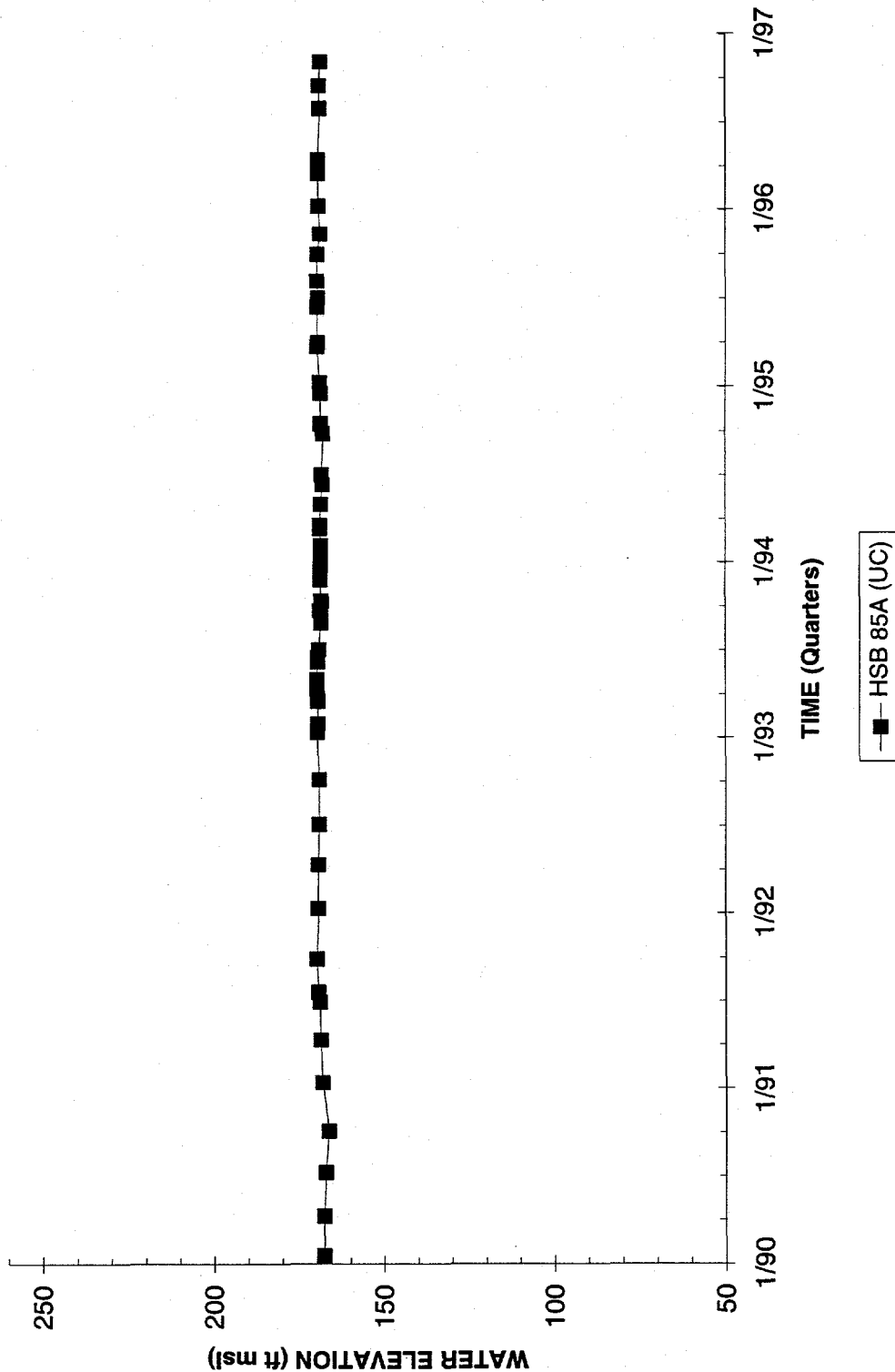
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSL 9D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HSB 85A



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

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