Sanitary Landfill Groundwater Monitoring Report - Fourth Quarter 1998 and 1998 Summary

by
J. Chase
Westinghouse Savannah River Company
Savannah River Site
Aiken, South Carolina 29808

DOE Contract No. **DE-AC09-96SR18500**

SANITARY LANDFILL GROUNDWATER MONITORING REPORT (U)

FOURTH QUARTER 1998
AND 1998 SUMMARY

Publication Date: March 1999

Key Words
Chloroethene (vinyl chloride)
LFW wells
Tetrachloroethylene
Trichloroethylene

Authorized Derivative Classifier /
Reviewing Official

C. D. Reeves P.E., R.O.

Unclassified
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Controlled Nuclear Information

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Prepared for the U.S. Department of Energy under Control Contract No. DE-AC09-96SR18500

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Abstract

A maximum of fifty-three wells of the LFW series monitor groundwater quality in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill at the Savannah River Site (SRS). These wells are sampled quarterly to comply with the South Carolina Department of Health and Environmental Control Domestic Water Permit DWP-087A and as part of the SRS Groundwater Monitoring Program.

Iron (total recoverable), chloroethene (vinyl chloride) and 1,1-dichloroethane were the most widespread constituents exceeding the Final Primary Drinking Water Standards during 1998. Trichloroethylene, 1,4-dichlorobenzene, 1,1-dichloroethelene, 1,4-dichlorobenzene, sulfide, pH, trichlorofluoromethane, benzene, dichloromethane (methylene chloride), a common laboratory contaminant, tetrachloroethylene, tritium, aluminum (total recoverable), dichlorodifluoromethane, cis-1,2-dichloroethylene, and arsenic (total recoverable) also exceeded standards in one or more wells.

The groundwater flow direction in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill was to the southeast (universal transverse Mercator coordinates). The flow rate in this unit was approximately 153 ft/year during first quarter 1998 and 164 ft/year during fourth quarter 1998.

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Fourth Quarter 1998 Data Review

This report contains analytical data for samples taken during Fourth Quarter 1998 from wells of the LFW series located at the Sanitary Landfill at the Savannah River Site (SRS). The data are submitted in reference to the Sanitary Landfill Operating Permit (DWP-087A). The report presents monitoring results that equaled or exceeded the Safe Drinking Water Act final Primary Drinking Water Standards (PDWS) or screening levels established by the U.S. Environmental Protection Agency (Appendix A), the South Carolina final Primary Drinking Water Standard for lead (Appendix A), or the SRS flagging criteria (Appendix B).

Mechanical failure prevented sample collection and analysis of the groundwater at well LFW10A.

Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

1,2,3,4,6,7,8-HPCDD	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin
1,2,3,4,6,7,8-HPCDF	1,2,3,4,6,7,8-heptachlorodibenzo-p-furan
1,2,3,4,7,8-HXCDD	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
1,2,3,4,7,8-HXCDF	1,2,3,4,7,8-hexachlorodibenzo-p-furan
Lindane	gamma-benzene hexachloride
PCB	polychlorinated biphenyl
1,2,3,7,8-PCDD	1,2,3,7,8-pentachlorodibenzo-p-dioxin
1,2,3,7,8-PCDF	1,2,3,7,8-pentachlorodibenzo-p-furan
Sp. Conductance	specific conductance
TCDD	tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzo-p-furan

Laboratories

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

Sampling Codes

B	blank sample was collected
C	well was pumping continuously
D	well was dry
E	equipment blank was collected
I	well went dry during sampling; insufficient water to collect all samples
L	well went dry before sampling began; only depth to water can be determined

Sampling Codes (cont'd)

P	inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	no water in standpipe; for water level events only
X	well went dry during purging; samples collected after well recovered

Sampling Methods

B	sample collected using an open-bucket bailer
P	sample collected using a bladder pump
S	sample collected using a single-speed centrifugal downhole pump
V	sample collected using a variable-speed pump

Units

E	exponential notation (e.g., 1.1E-09 = 1.1×10^{-9} = 0.0000000011)
mg/L	milligrams per liter
msl	mean sea level
MSL	million structures per liter
NTU	turbidity unit
pCi/L	picocuries per liter
pCi/mL	picocuries per milliliter
pH	pH unit
µg/L	micrograms per liter
µS/cm	microsiemens per centimeter

Other

CS	carbon steel
D	primary drinking water standard (PDWS) column in data tables
GS	groundwater protection standard column in data tables
H	holding time column in data tables
Mod	modifier column in data tables
PDWS	primary drinking water standard
PVC	polyvinyl chloride
TOC	top of casing

Holding Times

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

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

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

Data Rounding

Constituent results in analytical results tables that appear to equal the final PDWS but are not marked in the *D* (exceeded the final PDWS or screening level) column are below the final PDWS in the database. Values stored in the database contain more significant digits than the reported results. Apparent discrepancies in the tables are due to the rounding of reported results.

Data Qualification

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

Result Modifier	
(Blank)	Data are not qualified. Numbers should be interpreted exactly as reported.
A	*Value reported is the mean of two or more determinations.*
I	The value in the result field is the instrument reading, not the sample quantification limit. Always used with the result qualifier *U.*
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.

Result Modifier (cont'd)

Y	Result was obtained from an unpreserved or improperly preserved sample. Data may not be accurate.
1	Result may be an underestimation of the true value due to analytical bias.
2	Result may be an overestimation of the true value due to analytical bias.
3	The associated result may be of poor precision (high variability) due to analytical bias.
4	Result is associated with QA results indicating matrix interference.
6	The associated result is from a reanalysis performed out of holding time due to problems with an earlier analysis.

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Executive Summary

The Sanitary Landfill at the Savannah River Site (SRS) is composed of the original 32-acre landfill, plus expansion areas to the north and south that add 16 and 22 acres, respectively, to the facility. The landfill is subject to the requirements of the Resource Conservation and Recovery Act and is subject to the South Carolina Department of Health and Environmental Control (SCDHEC) Domestic Waste Permit DWP-087A and the Sanitary Landfill groundwater quality assessment plan.

A maximum of fifty-three wells of the LFW series monitored the groundwater quality in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill during 1998. These wells sampled quarterly for selected indicator parameters, inorganics, radionuclides, volatile organics, and other constituents to comply with the Sanitary Landfill groundwater quality assessment plan and as part of the SRS Groundwater Monitoring Program. No new wells were abandoned or installed in 1998.

During 1998, samples analyzed from 32 of the 53 monitoring wells (60 percent) exhibited levels of benzene, chloroethene (vinyl chloride), dichloromethane (methylene chloride), 1,2-dichloroethane, 1,4-dichlorobenzene, aluminum (total recoverable), lead (total recoverable), mercury (total recoverable), tetrachloroethylene, trichloroethylene, or tritium that exceeded their final Primary Drinking Water Standards (PDWS).

Aluminum (total recoverable), Iron, (total recoverable), Chloroethene, and 1,1-Dichloroethane were the most widespread constituents exceeding standards during 1998. Aluminum and iron, occurred in concentrations that exceeded its final PDWS in 17 wells. Chloroethene occurred in concentrations that exceeded its final PDWS in 13 wells; 1,1- Dichloroethane exceeded its final PDWS in 12 wells during the year. Trichlorofluoromethane exceeded its final PDWS in 10 wells during the year. Dichloromethane (Methylene chloride) was elevated in 8LFW wells; Trichloroethylene was elevated in 7 wells, Dichlorodifluoromethane was elevated in 6 wells, Benzene was elevated in 4 wells, 1,2-Dichloroethane, pH, Tetrachloroethylene, and Tritium was elevated in 3 wells. The remaining elevated constituents occurred with less frequency during the year. These results are similar to the results for 1997.

The groundwater flow direction in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill during first and fourth quarters was to the southeast (universal transverse Mercator coordinates) toward Upper Three Runs Creek. Estimated flow rates in this aquifer during the same periods were 153 ft/year during first quarter 1998 and 164 ft/year during fourth quarter 1998. These directions and flow rates are very similar to directions and flow rates during 1997.

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Introduction

The Sanitary Landfill (740-G) (Figures 1 and 2, Appendix C) is located southwest of Road C, about midway down the slope from the Aiken Plateau to Upper Three Runs Creek. The following description outlines important events in the history of the landfill:

- The original 32-acre landfill began receiving sanitary waste, including paper and paper products, plastics, scrap metal, rubber, food waste, glass, packing material, miscellaneous construction debris, empty paint cans, and other nonradioactive waste materials in 1974.
- On June 12,1978, the South Carolina Department of Health and Environmental Control (SCDHEC) issued permit DWP-087 to the U.S. Department of Energy (DOE) for the operation of the Sanitary Landfill for inert and domestic solid waste disposal.
- On September 9, 1986, SCDHEC issued permit DWP-087A which allowed expansion areas to the north and south of the original 32-acre landfill, adding 16 and 22 acres, respectively (WSRC, 1993).
- The original landfill was filled to capacity in early 1987 (WSRC, 1990).
- In 1988, the Sanitary Landfill was placed on the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) list because elevated levels of hazardous constituents were detected in the groundwater beneath the facility (WSRC, 1990).
- A groundwater quality assessment plan for the Sanitary Landfill was submitted to SCDHEC in 1990 (WSRC, 1990).
- SCDHEC renewed permit DWP-087A on July 24, 1991 (SCDHEC, 1991).
- As a result of Settlement Agreement 91-51-SW, effective August 24, 1991, the Sanitary Landfill became subject to RCRA requirements because wipes and rags contaminated with RCRA-listed solvents were disposed there.
- As a result of RCRA permit investigation, the U.S. Environmental Protection Agency (EPA) removed the Sanitary Landfill from the RFI/RI unit list in August 1991.
- The Northern Expansion began operations in mid-1992 when the Southern Expansion was filled (WSRC, 1993).
- SRS submitted a closure plan (rev. 0) for the Sanitary Landfill to SCDHEC on February 28, 1993. Based on comments received from the SCDHEC, a revised closure plan (rev. 1) was submitted in January 1994. Additional comments were received from SCDHEC in August 1995; the closure plan was revised in response to these comments and the Sanitary Landfill Closure Plan (rev. 2) was submitted in October 1995. This revision was released for public comment on November 6, 1995. The public comment period ended on December 6, 1995. There were no comments received during the public comment period. SCDHEC granted conditional approval of the Sanitary Landfill Closure Plan (rev. 2) in December 1995. In order to meet the conditions of the approval, SRS submitted revised pages to the Sanitary Landfill Closure Plan in February 1996. In addition, installation of the geosynthetic closure cap, as specified in the approved Closure Plan, was initiated in February 1996. The Sanitary Landfill was certified closed on October 26, 1997.
- A RCRA Part B post-closure care permit application was submitted to SCDHEC on March 31, 1993.

- A modification to the Sanitary Landfill groundwater quality assessment plan was approved by SCDHEC in November 1993. The modified plan included further characterization studies and proposed the installation of additional monitoring wells. Thirty-two new monitoring wells were sampled for the first time during second quarter 1994.
- The Northern Expansion, the last open portion of the Sanitary Landfill, ceased actual operations on November 1, 1994.
- A RCRA style closure was completed over the central and southern portions of the landfill in April 1997.
- Two horizontal remediation wells were completed on the southern and western sides of the landfill in February 1998.

The SRS Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) samples the monitoring wells at the Sanitary Landfill quarterly for selected parameters. The Environmental Restoration Department provides quarterly reports of the monitoring results to SCDHEC to meet regulatory requirements.

Discussion

Groundwater Monitoring Data

Groundwater samples were collected from the LFW wells during December 1997 for first quarter 1998, during March for second quarter 1998, during June for third quarter 1998 and during September for fourth quarter 1998.

The WSRC sampling procedure requires evacuation of a minimum of two well volumes and stabilization of pH, specific conductance, and turbidity prior to sample collection. Stability is established when a minimum of three successive measurements, taken for each stability parameter within a given time period, are within a specified tolerance range. If a well pumps dry before two well volumes are purged or before stabilization is achieved, it must be revisited within 24 hours for the data to be considered from a single sampling event. On the second visit within 24 hours, samples are taken without purging or stability measurements; thus, these samples may not be representative of groundwater quality.

Throughout 1998, samples from wells at the Sanitary Landfill were analyzed for selected indicator parameters, inorganics, radionuclides, volatile organics, and other constituents. For simplicity, results that equaled or exceeded standards are described as *exceeding* standards, *above* standards, or as *elevated*. These following standards were used in this report:

- The Safe Drinking Water Act final Primary Drinking Water Standards (PDWS) or drinking water screening levels, as established by the U. S. EPA (Appendix A)
- The South Carolina final PDWS for lead (Appendix A)
- SRS flagging criteria based on PDWS, Secondary Drinking Water Standards, or method detection limits (Appendix B)

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

Integrity of the Monitoring Well Network

A maximum of fifty-three wells of the LFW series monitored groundwater quality in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill (Figure 2, Appendix C) during 1998. Fourteen wells were installed between 1981 and 1984, 17 wells were installed around the southern and northern expansions in late 1986, and 26 additional wells were installed in 1991. Between December 1993 and February 1994, 32 additional LFW wells were installed southeast of the southern expansion. During January 1996, fifty-five wells were deleted from analyses according to the Groundwater Quality Assessment Plan Amendment. Of these fifty-five wells, four are still being monitored in order to comply with SCDHEC Subtitle D regulations for the interim Sanitary Landfill. The designated background wells at the Sanitary Landfill are wells LFW29, 30, and 31, and well cluster LFW43.

SRS rehabilitates and replaces wells that do not produce representative groundwater samples. A complete record of well installations, replacements, and abandonments at the Sanitary Landfill is provided in the EPD/EMS well inventory. During 1998, no wells were abandoned or replaced.

- Table 3 (Appendix D) lists the number of well volumes purged from each of the LFW series wells during each quarter 1998 and provides samples codes (I, P, X, etc. [see Appendix D front matter]) that describes unusual sampling events. Although not all wells were sampled during every quarter, there were no unusual sampling events recorded in 1998. Mechanical failure was the reason for missing. Sampling events.

Analytical Results Exceeding Standards

Results for analytes that exceeded the final PDWS (Appendix A) during each quarter 1998 are summarized in Table 1 (Appendix D) and described in the following text. The text includes the maximum level for each constituent in parentheses following the well in which it was detected.

During first quarter 1998, 19 of the 53 LFW wells contained elevated constituents.

- 1,1-Dichloroethane was elevated in 15 wells: LFW10A (maximum concentration at 172 µg/L), 21, 58D, 60C, 60D, 61D, 62C, 62D, 65D, 67C, 67D, and 69D.
- 1,2-Dichloroethane was elevated in 3 wells: LFW43B (maximum concentration at 7.5 µg/L), 62C, 62D.
- 1,4-Dichlorobenzene was elevated in one well: LFW62D maximum concentration of 86 µg/L
- Benzene was elevated in 3 wells: LFW62D (maximum concentration at 25.6 µg/L), 10A and 67C.
- Chloroethene was elevated in 12 wells: LFW10A (maximum concentration at 34.8 µg/L), 6R, 8R, 18, 21, 36R, 58D, 60C, 62D, 63D, 64D, and 69D.
- Dichlorofluoromethane was elevated in 6 wells: LFW 58D, 61D LFW59D (maximum concentration at 38.5 µg/L), 62D, 63D, 67C, and 67D.
- Dichloromethane (Methylene Chloride) was elevated in 3 wells: LFW10A (maximum concentration at 100 µg/L), 61D and 63D.
- Iron (total recoverable) was elevated in one well: LFW62D maximum concentration of 34.5 µg/L
- Mercury (total recoverable) was elevated at two wells: LFW60D, and 62C (maximum concentration of 3.21 µg/L).
- Tetrachloroethylene was elevated in 2 wells: LFW58D, and 61D (maximum concentration of 8.31 µg/L
- Trichloroethylene was elevated in 7 wells: LFW58D, 61D, 62C, 62D (maximum concentration at 34.5 µg/L), 65D, 67C, and 67D.
- Trichlorofluoromethane was elevated in 7 wells: LFW10A, 58D, 61D, 62D, 63D, 65D, and 67D (maximum concentration at 40.1 µg/L).
- Tritium was elevated in 2 wells: LFW10A (maximum concentration of 27.71 pCi/mL), and 67C.

During second quarter 1998, 15 of the 53 LFW wells contained elevated constituents.

- 1,1-Dichloroethane was elevated in 6 wells: LFW10A, (maximum concentration at 130 µg/L), 21, 61D, 65D, 67C, and 67D.
- Benzene was elevated in 2 wells: LFW10A and 67C (maximum concentration at 8.9 µg/L).
- Chloroethene was elevated in 10 wells: LFW6R, 10A (maximum concentration at 24 µg/L), 18, 21, 36R, 60C, 63D, 64D, 67C and 69D.
- Dichlorodifluoromethane was elevated in 4 wells: LFW61D, 63D (maximum concentration at 190 µg/L), 67c, and 67D.
- Dichloromethane (methylene chloride) was elevated in 5 wells: LFW8R, 10A (maximum concentration at 190 µg/L), 21, 63D, and 67D.
- Trichloroethylene was elevated in 4 wells: LFW61D, 65D, 67C, and 67D (maximum concentration at 17 µg/L).
- Trichlorofluoromethane was elevated in 7 wells: LFW6R (maximum concentration of 34 µg/L), 10A, 31, 63D, 65D, 67C, and 67D.
- Tritium was elevated in well LFW67C with maximum activity level of 25.4 pCi/mL.

During third quarter 1998, 30 of the 53 LFW wells contained elevated constituents.

- 1,1-Dichloroethane was elevated in 9 wells: LFW10A (maximum concentration at 200 µg/L), 21, 58D, 60C, 61D, 62D, 65D, 67C, and 67D.
- 1,4-Dichlorobenzene was elevated in well LFW58D, with a concentration of 170 µg/L.
- Aluminum (total recoverable) was elevated in 16 wells: LFW56D, 58D, 59D, 60D, 61D, 62D, 63B, 63C, 64C (maximum concentration at 731 µg/L), 65B, 67B, 67D, 69C, 69D, 71B, and 71C.
- Benzene was elevated in 4 wells: LFW10A, 58D (maximum concentration at 24 µg/L) 62D and 67C.
- Chloroethene (vinyl chloride) was elevated in 12 wells: LFW6R, 8R, 10A, 21, 36R, 58D (maximum concentration at 40 µg/L), 60C, 62D, 63D, 64D, 67C, and 69D.
- Dichlorodifluoromethane was elevated in 6 wells: LFW58D, 61D, 62D, 63D (maximum concentration at 20 µg/L), 67C, and 67D.
- Dichloromethane (methylene chloride) was elevated at 3 wells: LFW10A (maximum concentration at 59.6 µg/L), 58D, and 62D.
- Iron (total recoverable) was elevated at 15 wells: LFW6R, 8R, 10A, 18, 21, 36R, 56D, 58D, 60C, 60D, 61D, 62D, 67C (maximum concentration at 65300 µg/L), 68D, and 69D.
- Trichloroethylene was elevated in 5 wells: LFW58D, (maximum concentration at 16 µg/L), 61D, 62D, 67C, and 67D.

- Trichlorofluoromethane was elevated in 8 wells: LFW6R (maximum concentration at 37 µg/L), 31, 58D, 62D, 63D, 65D, 67C and 67C.
- Tritium was elevated in 3 wells: LFW10A, 61D, and 67C (maximum activity level of 25.56 pCi/mL).

During fourth quarter 1998, 15 of the 53 LFW wells contained elevated constituents.

- 1,1-dichloroethane was elevated in 8 wells: LFW10A (maximum concentration of 151 µg/L), 21, 58D, 61D, 62D, 65D, 67C, and 67D.
- 1,1-Dichloroethylene was elevated at well LFW67D with a concentration of 1.69 µg/L.
- 1,4-Dichlorobenzene was elevated at well LFW58D, with a concentration of 173 µg/L.
- Aluminum (total recoverable) was elevated at 3 wells: LFW32C, 59D, and 62D (maximum concentration of 861 µg/L).
- Arsenic was elevated at well LFW67C with a concentration of 68.8 µg/L.
- Benzene was elevated in 4 wells: LFW10A, 58D (maximum concentration of 13.3 µg/L), 62d, and 67C.
- Chloroethene (vinyl chloride) was elevated in 6 wells: LFW8R, 10A, 21, 58D, 67C (maximum concentration at 41.3 µg/L), and 69D.
- Cis-1,2-Dichloroethylene was elevated in 2 wells: LFW62D, and 67C (maximum concentration of 201µg/L).
- Dichlorodifluoromethane was elevated in 5 wells: LFW58D (maximum concentrations of 27.7µg/L), 61D, 63D, 67C, and 67D.
- Dichloromethane (methylene chloride) was elevated in well LFW62D with a concentration of 10.3 µg/L.
- Iron (total recoverable) was elevated in 11 wells: LFW8R, 10A, 18, 21, 58D, 59D, 61D, 62D, 67C (maximum concentration of 60200 µg/L), 67D, and 69D.
- Tetrachloroethylene was elevated in well LFW62D with a concentration of 7.05µg/L.
- Trichloroethylene was elevated in 6 wells: LFW58D, 61D, 62D (maximum concentration at 19.2 µg/L), 65D, 67C, and 67D.
- Trichlorofluoromethane was elevated at 7 wells: LFW31 (maximum concentration at 39.9 µg/L), 58D, 61D, 62D, 63D, 65D, and 67D.
- Tritium was elevated in 2 wells: LFW10A and 67C (maximum activity level of 34.53 pCi/mL).

Results for analytes that exceeded other SRS Flag 2 criteria (appendix B) during fourth quarter 1998 are summarized in Table 2 (Appendix D).

Table 3 (Appendix D) shows the results during each quarter of 1998 for all of the constituents. The analytical laboratories that conducted the analyses, the dilution factors used in the analyses, and the analyses that received modifiers (which help define the laboratory accuracy and precision) or that exceeded the EPA-approved holding times listed in Table 3 are for fourth quarter 1998 data only. Constituents results in Table 3 that appear to equal the final PDWS but are not marked in the *ST* column (exceeded the final PDWS or screening level) are below the final PDWS in the database. Database results, the results that are compared to the final PDWS, contain more significant digits than the results given in this report. Apparent discrepancies are the result of the rounding of reported results.

In addition to the results tables, Appendix D provides definitions of the abbreviations and modifiers used in the results tables as well as descriptions of holding times, data rounding, and data qualification practices. Appendix E provides a general assessment of the quality and usability of EPD/EMS data.

Isoconcentration maps of chloroethene, trichloroethylene, and tritium for first and fourth quarters 1998 are presented in Figures 3 through 8 (Appendix C).

Time-Trend Data

Appendix F presents time series plots for benzene in wells LFW8R, 21, 22, 36, 48D, 58D, 59D, 61C, and 61D; 1,4-dichlorobenzene in wells LFW21, 22, 36, 48D, 61C, and 61D; dichloromethane in wells LFW 8R, 21, 22, 36, 39, 48D, 58D, 59D, 61C, and 61D; ethylbenzene in wells LFW21, 22, 36, 39, 48D, 58D, 59D, 61C, and 61D; tetrachloroethylene in wells LFW8R, 21, 22, 36, 39, 48D, 58D, 59D, 61C, and 61D; trichloroethane in wells LFW8R, 21, 22, 39, 48D, 58D, 59D, 61C, and 61D; trichlorofluoromethane in wells LFW8R, 21, 22, 36, 39, 58D,59D, 61C, and 61D; and xylenes in wells LFW8R, 21, 22, 36, 39, 48D, 58D, 59D, 61C, and 61D in the Sanitary Landfill through fourth quarter 1997.

Water Levels

Hydrographs showing the water elevations through time for wells at the Sanitary Landfill are provided in Appendix G. The average water elevations in the Steed Pond Aquifer (Water Table) for each quarter of 1997 and 1998 are presented below.

Average Water Elevations at the Sanitary Landfill

Quarter	1997 Average Water Elevation (ft msl)	1998 Average Water Elevation (ft msl)
First	141.4	143.4
Second	145.3	150.3
Third	142.1	143.4
Fourth	143.0	145.5

Groundwater Flow Directions and Rates

Historically, the groundwater flow direction in the Steed Pond Aquifer (Water Table) hydrostratigraphic unit beneath the Sanitary Landfill has been to the southeast (Universal Transverse Mercator [UTM] coordinates) toward Upper Three Runs Creek. During the first and fourth quarters 1998, the flow direction was to the southeast (Figures 9 and 10, Appendix C). Figure 11 presents the regional correlation of hydrostratigraphic and lithostratigraphic nomenclature.

Horizontal flow rate calculations provide estimates of the transport rate of constituents originating from the Sanitary landfill. Flow rates are estimated using the following equation:

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

where the hydraulic conductivity (K_h) constant is 10 ft/day, the effective porosity value is 20 percent, the change in head is *dh*, and the horizontal distance along each flow direction arrow is *dl*.

Flow path length is calculated to the nearest 50 ft. Flow rate per day is calculated to two significant figures, then multiplied by 365 and rounded to two significant figures for the flow rate per year. Flow rate estimated vary depending upon the vertical gradient between wells, the size of the area under consideration, the number of data points, and the length and location of the flow path. Because these are inferred or estimated parameters, flow rate estimates should be considered accurate to an order of magnitude only.

The approximate groundwater flow rate in the Steed Pond Aquifer (Water Table) during first quarter 1998 was estimated as follows (Figure 9, Appendix C):

$$\frac{10}{0.20} \times \frac{16}{1908} = 0.42 \text{ ft/day}$$

$0.42 \text{ ft/day} \times 365 \text{ days} \approx 153 \text{ ft/year}$

The approximate groundwater flow rate in the Steed Pond Aquifer (Water table) during fourth quarter 1998 is estimated as follows (Figure 10, Appendix C):

$$\frac{10}{0.20} \times \frac{12}{1337} = 0.45 \text{ ft/day}$$

$0.45 \text{ ft/day} \times 365 \text{ days} \approx 164 \text{ ft/year}$

Upgradient versus Downgradient Results

Wells LFW 43B, 43C, and 43D, at the northern end of the Sanitary Landfill, are designated upgradient wells for the Steed Pond Aquifer (Water Table). All remaining Steed Pond Aquifer (Water Table) wells monitor downgradient or sidegradient water quality (Figures 2, 09, and 10, Appendix C). 1,2-Dichloroethane, and pH constituents exceeded their final PDWS during the first quarter period in LFW 43B well.

1,1-Dichloroethane, 1,1-Dichloroethylene, 1,2-Dichloroethane, 1,4-Dichlorobenzene, Aluminum (total recoverable), Arsenic (total recoverable), Benzene. Chloroethene (Vinyl chloride), Cis-1,2-Dichloroethylene, Dichlorodifluoromethane, Dichloromethane (Methylene chloride), Iron (total recoverable), Mercury (total recoverable), Ph, Sulfide, Tetrachloroethylene, Trichloroethylene, Trichlorofluoromethane, and Tritium were elevated in one or more of the downgradient or sidegradient wells during the year.

recoverable), Mercury (total recoverable), Ph, Sulfide, Tetrachloroethylene, Trichloroethylene, Trichlorofluoromethane, and Tritium were elevated in one or more of the downgradient or sidegradient wells during the year.

Wells LFW 32, 74C, 74D, 75C, and 75D are upgradient wells, which are monitored to meet the requirements of Subtitle D of the SCDHEC permit (nonhazardous solid waste) for the Interim Sanitary Landfill. These wells are monitored for the Solid Waste Program and are not part of the 48 well monitoring network. However, information provided by these wells is germane to the groundwater monitoring scheme for the Sanitary Landfill. None of the constituents exceeded their final PDWS in wells LFW32, 74C, 74D, 75C, and 75D.

1998 Summary

During first quarter 1998, 19 of the 53 LFW wells contained levels of 1,1-Dichloroethane, 1,2-Dichloroethane, 1,4-Dichlorobenzene, Benzene, Chloroethene (Vinyl chloride), Dichlorodifluoromethane, Dichloromethane (Methylene chloride), Iron and (total recoverable), Mercury (total recoverable), Tetrachloroethylene, Trichloroethylene, Trichlorofluoromethane, and Tritium that exceeded the final PDWS in the groundwater beneath the Sanitary Landfill. Elevated levels of 1,1-Dichloroethane and Chloroethene (Vinyl chloride) occurred most frequently: 1,1-Dichloroethane exceeded its PDWS in 13 wells, with the highest concentration in well LFW10A at 172 ug/L; chloroethene exceeded the final PDWS in 12 wells, with the maximum concentration detected in well LFW10A at 34.8 ug/L. The remaining constituents were elevated in 7 or fewer wells during first quarter.

Elevated levels of 1,1-Dichloroethane, Benzene, Chloroethene (Vinyl chloride), Dichlorodifluoromethane, Dichloromethane (Methylene chloride), Trichloroethylene, Trichlorofluoromethane, and Tritium exceeded their final PDWS in one or more of 15 wells at the Sanitary Landfill during second quarter 1997. Chloroethene and trichlorofluoromethane exceeded its PDWS in 7 wells, with the highest concentration in well LFW6R at 34 ug/L. The remaining constituents were elevated in 6 or fewer wells during second quarter.

During third quarter 1998, 30 of the 53 LFW wells contained levels of chloroethene, trichloroethylene, benzene, 1,4-dichlorobenzene, tetrachloroethylene, tritium, and mercury that exceeded the final PDWS in the groundwater beneath the Sanitary Landfill. Elevated levels of chloroethene and trichloroethylene occurred most frequently: chloroethene exceeded the final PDWS in 11 wells, with the maximum concentration detected in well LFW58D at 45.5 ug/L; trichloroethylene exceeded its PDWS in 8 wells, with the highest concentration in well LFW59D at 26.4 ug/L. The remaining constituents were elevated in 3 or fewer wells during third quarter.

Elevated levels of Iron (total recoverable), 1,1-Dichloroethane, Trichlorofluoromethane, Chloroethene (Vinyl chloride), Dichlorodifluoromethane, Trichloroethylene, Benzene, Aluminum (total recoverable), Cis-1,2-Dichloroethylene, Tritium, 1,4-Dichlorobenzene, Arsenic (total recoverable), Dichloromethane (Methylene chloride), and Tetrachloroethylene exceeded the final PDWS in 9 wells, with the highest concentration in well LFW10A at 151 ug/L. The remaining constituents were elevated in 6 or fewer wells during fourth quarter.

The analytical results for 1998 are similar to the results for 1997. One of the constituents (pH for well LFW43B)exceeded their final PDWS in the upgradient wells LFW43B, 43C, and 43D. And none of the constituents exceeded their final PDWS in the Interim Sanitary Landfill wells LFW32, 74C, 74D, 75C, and 75D.

The groundwater flow direction in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill is to the southeast (UTM coordinates) toward Upper Three Runs Creek. The flow rate in this aquifer during first quarter 1998 was estimated to be approximately 124 ft/year and during fourth quarter 1998, it was estimated at approximately 200 ft/year. Flow directions during 1998 were very similar to 1997 findings. However, the rate of flow increased approximately 44% during the fourth quarter of 1998 over 1997.

References Cited

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

SCDHEC (South Carolina Department of Health and Environmental Control), 1991. **Sanitary Landfill Domestic Waste Permit 087A,** April 1991. Columbia, SC.

WSRC (Westinghouse Savannah River Company), 1990. **Sanitary Landfill Groundwater Quality Assessment Plan,** WSRC-TR-90-167. Savannah River Site, Aiken, SC.

Errata

Result values for earlier quarters presented in this report may differ from the values for those same quarters presented in earlier reports because some reanalysis may have been performed by the laboratories after the reports were printed.

Fourth Quarter 1998:

- No errata have been reported.

Appendix A

Final Primary Drinking Water Standards

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Final Primary Drinking Water Standards

Analyte	Unit	Level	Status	Source
Alachlor	µg/L	2	Final	EPA, 1993
Aldicarb [a]	µg/L	3	Final	EPA, 1993
Aldicarb sulfone [a]	µg/L	2	Final	EPA, 1993
Aldicarb sulfoxide [a]	µg/L	4	Final	EPA, 1993
Antimony	µg/L	6	Final	EPA, 1993
Arsenic	µg/L	50	Final	EPA, 1993
Asbestos	Fibers/L	7,000,000	Final	EPA, 1993
Atrazine	µg/L	3	Final	EPA, 1993
Barium	µg/L	2,000	Final	EPA, 1993
Benzene	µg/L	5	Final	EPA, 1993
Benzo[*a*]pyrene	µg/L	0.2	Final	EPA, 1993
Beryllium	µg/L	4	Final	EPA, 1993
Bis(2-ethylhexyl) phthalate	µg/L	6	Final	EPA, 1993
Bromodichloromethane	µg/L	100	Final	EPA, 1993
Bromoform	µg/L	100	Final	EPA, 1993
2-sec-Butyl-4,6-dinitrophenol	µg/L	7	Final	EPA, 1993
Cadmium	µg/L	5	Final	EPA, 1993
Carbofuran	µg/L	40	Final	EPA, 1993
Carbon tetrachloride	µg/L	5	Final	EPA, 1993
Chlordane	µg/L	2	Final	EPA, 1993
Chlorobenzene	µg/L	100	Final	EPA, 1993
Chloroethene (Vinyl chloride)	µg/L	2	Final	EPA, 1993
Chloroform	µg/L	100	Final	EPA, 1993
Chromium	µg/L	100	Final	EPA, 1993
Copper	µg/L	1,300	Final	EPA, 1993
Cyanide	µg/L	200	Final	EPA, 1993
Dalapon [a]	µg/L	200	Final	EPA, 1993
Dibromochloromethane	µg/L	100	Final	EPA, 1993
1,2-Dibromo-3-chloropropane	µg/L	0.2	Final	EPA, 1993
1,2-Dibromoethane	µg/L	0.05	Final	EPA, 1993
1,2-Dichlorobenzene	µg/L	600	Final	EPA, 1993
1,4-Dichlorobenzene	µg/L	75	Final	EPA, 1993
1,2-Dichloroethane	µg/L	5	Final	EPA, 1993
1,1-Dichloroethylene	µg/L	7	Final	EPA, 1993
1,2-Dichloroethylene	µg/L	50	Final	EPA, 1993
cis-1,2-Dichloroethylene	µg/L	70	Final	EPA, 1993
trans-1,2-Dichloroethylene	µg/L	100	Final	EPA, 1993
Dichloromethane (Methylene chloride)	µg/L	5	Final	EPA, 1993
2,4-Dichlorophenoxyacetic acid	µg/L	70	Final	EPA, 1993
1,2-Dichloropropane	µg/L	5	Final	EPA, 1993
Di(2-ethylhexyl) adipate [a]	µg/L	400	Final	EPA, 1993
Diquat dibromide [a]	µg/L	20	Final	EPA, 1993
Endothall [a]	µg/L	100	Final	EPA, 1993
Endrin	µg/L	2	Final	EPA, 1993
Ethylbenzene	µg/L	700	Final	EPA, 1993
Fluoride	µg/L	4,000	Final	EPA, 1993
Glyphosate [a]	µg/L	700	Final	EPA, 1993
Gross alpha [b]	pCi/L	1.5E+01	Final	EPA, 1993
Heptachlor	µg/L	0.4	Final	EPA, 1993
Heptachlor epoxide	µg/L	0.2	Final	EPA, 1993

Analyte	Unit	Level	Status	Source
Hexachlorobenzene	µg/L	1	Final	EPA, 1993
Hexachlorocyclopentadiene	µg/L	50	Final	EPA, 1993
Lead	µg/L	50	Final	SCDHEC, 1981
Lindane	µg/L	0.2	Final	EPA, 1993
Mercury	µg/L	2	Final	EPA, 1993
Methoxychlor	µg/L	40	Final	EPA, 1993
Nickel	µg/L	100	Final	EPA, 1993
Nitrate as nitrogen	µg/L	10,000	Final	EPA, 1993
Nitrate-nitrite as nitrogen	µg/L	10,000	Final	EPA, 1993
Nitrite as nitrogen	µg/L	1,000	Final	EPA, 1993
Nonvolatile beta	pCi/L	5E+01	Interim Final	EPA, 1977
Oxamyl [a]	µg/L	200	Final	EPA, 1993
PCB 1016	µg/L	0.5	Final	EPA, 1993
PCB 1221	µg/L	0.5	Final	EPA, 1993
PCB 1232	µg/L	0.5	Final	EPA, 1993
PCB 1242	µg/L	0.5	Final	EPA, 1993
PCB 1248	µg/L	0.5	Final	EPA, 1993
PCB 1254	µg/L	0.5	Final	EPA, 1993
PCB 1260	µg/L	0.5	Final	EPA, 1993
PCB 1262	µg/L	0.5	Final	EPA, 1993
Pentachlorophenol	µg/L	1	Final	EPA, 1993
Picloram [a]	µg/L	500	Final	EPA, 1993
Selenium	µg/L	50	Final	EPA, 1993
Simazine [a]	µg/L	4	Final	EPA, 1993
Strontium-89/90 [c]	pCi/L	8E+00	Final	EPA, 1993
Strontium-90	pCi/L	8E+00	Final	EPA, 1993
Styrene	µg/L	100	Final	EPA, 1993
2,3,7,8-TCDD	µg/L	0.00003	Final	EPA, 1993
Tetrachloroethylene	µg/L	5	Final	EPA, 1993
Thallium	µg/L	2	Final	EPA, 1993
Toluene	µg/L	1,000	Final	EPA, 1993
Toxaphene	µg/L	3	Final	EPA, 1993
2,4,5-TP (Silvex)	µg/L	50	Final	EPA, 1993
1,2,4-Trichlorobenzene	µg/L	70	Final	EPA, 1993
1,1,1-Trichloroethane	µg/L	200	Final	EPA, 1993
1,1,2-Trichloroethane	µg/L	5	Final	EPA, 1993
Trichloroethylene	µg/L	5	Final	EPA, 1993
Tritium	pCi/mL	2E+01	Final	EPA, 1993
Xylenes	µg/L	10,000	Final	EPA, 1993

Note: Final PDWS were assigned to alachlor, aldicarb, aldicarb sulfone, aldicarb sulfoxide, atrazine, carbofuran, dalapon, di(2-ethylhexyl) adipate, diquat dibromide, endothall, glyphosate, oxamyl, picloram, and simazine in the SRS Groundwater Monitoring Program for the first time beginning first quarter 1994.

[a] At present, EMS does not perform this analysis because the constituent is not in the current contract.
[b] The standard given is for gross alpha including radium-226 but excluding radon and uranium.
[c] For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

References

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

EPA (U.S. Environmental Protection Agency), 1993. *National Primary Drinking Water Regulations*, **Code of Federal Regulations**, Section 40, Part 141, pp. 592-732. Washington, DC.

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

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Appendix B

Flagging Criteria

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Flagging Criteria

The Savannah River Site Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) flagging criteria are as follows:

- Flag 2 criteria for constituents equal the Safe Drinking Water Act (SDWA) final Primary Drinking Water Standards (PDWS), the SDWA proposed PDWS, or the SDWA Secondary Drinking Water Standards (SDWS). If a constituent does not have a drinking water standard, the Flag 2 criterion equals 10 times the method detection limit (MDL) calculated as the 90th percentile detection limit obtained recently by one of the primary analytical laboratories.

- Flag 1 criteria for constituents equal one-half of the final PDWS, one-half the proposed PDWS, or one-half the SDWS. If a constituent does not have a drinking water standard, the Flag 1 criterion equals 5 times the MDL calculated as the 90th percentile detection limit obtained recently by one of the primary analytical laboratories.

- Flag 0 criteria are assigned to constituent levels below Flag 1 criteria, constituent levels below the sample detection limits, or constituents having no flagging criteria.

The following parameters are exceptions to the flagging rules:

- EPD/EMS sets flagging criteria for specific conductance and pH. No flags are set for alkalinity, calcium, carbonate, magnesium, potassium, silica, sodium, total dissolved solids, total phosphates (as P), and total phosphorus. Analyses for these parameters are conducted as part of the biennial comprehensive analyses or by special request.

- Aesthetic parameters such as color, corrosivity, Eh, odor, surfactants, and turbidity are not assigned flagging criteria but are analyzed by special request.

- Common laboratory contaminants and cleaners such as dichloromethane (methylene chloride), ketones, phthalates, and toluene are not assigned flagging criteria unless they have primary drinking water standards. These constituents are analyzed by special request.

Analyte	Unit	Flag 1	Flag 2	Source [a]
Acenaphthene	µg/L	50	100	EPA Method 8270
Acenaphthylene	µg/L	50	100	EPA Method 8270
Acetone	µg/L	500	1,000	EPA Method 8240
Acetonitrile (Methyl cyanide)	µg/L	500	1,000	EPA Method 8240
Acetophenone	µg/L	50	100	EPA Method 8270
2-Acetylaminofluorene	µg/L	50	100	EPA Method 8270
Acrolein	µg/L	100	200	EPA Method 8240
Acrylonitrile	µg/L	100	200	EPA Method 8240
Actinium-228	pCi/L	1.64E+03	3.27E+03	Proposed PDWS (EPA, 1991)
Alachlor	µg/L	1	2	Final PDWS (EPA, 1993a)
Aldicarb [b]	µg/L	1.5	3	Final PDWS (EPA, 1993a)
Aldicarb sulfone [b]	µg/L	1	2	Final PDWS (EPA, 1993a)
Aldicarb sulfoxide [b]	µg/L	2	4	Final PDWS (EPA, 1993a)
Aldrin	µg/L	0.25	0.5	EPA Method 8080
Alkalinity (as $CaCO_3$)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	250	500	EPA Method 8240
Aluminum	µg/L	25	50	SDWS (EPA, 1993b)
Aluminum, dissolved	µg/L	25	50	SDWS (EPA, 1993b)
Aluminum, total recoverable	µg/L	25	50	SDWS (EPA, 1993b)

Analyte	Unit	Flag 1	Flag 2	Source [a]
Americium-241	pCi/L	3.17E+00	6.34E+00	Proposed PDWS (EPA, 1991)
Americium-243	pCi/L	3.19E+00	6.37E+00	Proposed PDWS (EPA, 1991)
4-Aminobiphenyl	µg/L	50	100	EPA Method 8270
Ammonia	µg/L	500	1,000	APHA Method 417B
Ammonia nitrogen	µg/L	500	1,000	EPA Method 350.1
Aniline	µg/L	50	100	EPA Method 8270
Anthracene	µg/L	50	100	EPA Method 8270
Antimony	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony, dissolved	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony, total recoverable	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony-125	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Aramite	µg/L	50	100	EPA Method 8270
Arsenic	µg/L	25	50	Final PDWS (EPA, 1993a)
Arsenic, dissolved	µg/L	25	50	Final PDWS (EPA, 1993a)
Arsenic, total recoverable	µg/L	25	50	Final PDWS (EPA, 1993a)
Asbestos	Fibers/L	3,500,000	7,000,000	Final PDWS (EPA, 1993a)
Atrazine	µg/L	1.5	3	Final PDWS (EPA, 1993a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium, dissolved	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium, total recoverable	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium-140 [c]	pCi/L	4.5E+01	9E+01	Interim Final PDWS (EPA, 1977)
Benzene	µg/L	2.5	5	Final PDWS (EPA, 1993a)
alpha-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
beta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
delta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
Benzidine	µg/L	250	500	EPA Method 8270
Benzo[*a*]anthracene	µg/L	0.05	0.1	Proposed PDWS (EPA, 1990)
Benzo[*b*]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzo[*k*]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzoic acid	µg/L	250	500	EPA Method 8270
Benzo[*g,h,i*]perylene	µg/L	50	100	EPA Method 8270
Benzo[*a*]pyrene	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	50	100	EPA Method 8270
Beryllium	µg/L	2	4	Final PDWS (EPA, 1993a)
Beryllium, dissolved	µg/L	2	4	Final PDWS (EPA, 1993a)
Beryllium, total recoverable	µg/L	2	4	Final PDWS (EPA, 1993a)
Beryllium-7	pCi/L	3E+03	6E+03	Interim Final PDWS (EPA, 1977)
Bis(2-chloroethoxy) methane	µg/L	50	100	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	50	100	EPA Method 8270
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate	µg/L	3	6	Final PDWS (EPA, 1993a)
Bismuth-214	pCi/L	9.4E+03	1.89E+04	Proposed PDWS (EPA, 1991)
Boron	µg/L	150	300	EPA Method 6010
Boron, dissolved	µg/L	150	300	EPA Method 6010
Boron, total recoverable	µg/L	150	300	EPA Method 6010
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromodichloromethane	µg/L	50	100	Final PDWS (EPA, 1993a)
Bromoform	µg/L	50	100	Final PDWS (EPA, 1993a)
Bromomethane (Methyl bromide)	µg/L	5	10	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	50	100	EPA Method 8270
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS

Analyte	Unit	Flag 1	Flag 2	Source [a]
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Final PDWS (EPA, 1993a)
Cadmium	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Cadmium, dissolved	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Cadmium, total recoverable	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Calcium		No flag	No flag	Set by EPD/EMS
Calcium, dissolved		No flag	No flag	Set by EPD/EMS
Calcium, total recoverable		No flag	No flag	Set by EPD/EMS
Carbofuran	µg/L	20	40	Final PDWS (EPA, 1993a)
Carbon-14	pCi/L	1E+03	2E+03	Interim Final PDWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Carbon disulfide	µg/L	5	10	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Cerium-141 [c]	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Cerium-144	pCi/L	1.31E+02	2.61E+02	Proposed PDWS (EPA, 1991)
Cesium-134 [d]	pCi/L	4.07E+01	8.13E+01	Proposed PDWS (EPA, 1991)
Cesium-137	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Chlordane	µg/L	1	2	Final PDWS (EPA, 1993a)
Chloride	µg/L	125,000	250,000	SDWS (EPA, 1993b)
4-Chloroaniline	µg/L	50	100	EPA Method 8270
Chlorobenzene	µg/L	50	100	Final PDWS (EPA, 1993a)
Chlorobenzilate	µg/L	50	100	EPA Method 8270
4-Chloro-m-cresol	µg/L	50	100	EPA Method 8270
Chloroethane	µg/L	5	10	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1	2	*Final PDWS (EPA, 1993a)*
Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
2-Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
Chloroform	µg/L	50	100	Final PDWS (EPA, 1993a)
Chloromethane (Methyl chloride)	µg/L	5	10	EPA Method 8240
2-Chloronaphthalene	µg/L	50	100	EPA Method 8240
2-Chlorophenol	µg/L	50	100	EPA Method 8270
4-Chlorophenyl phenyl ether	µg/L	50	100	EPA Method 8270
Chloroprene	µg/L	1,000	2,000	EPA Method 8240
Chromium	µg/L	50	100	Final PDWS (EPA, 1993a)
Chromium, dissolved	µg/L	50	100	Final PDWS (EPA, 1993a)
Chromium, total recoverable	µg/L	50	100	Final PDWS (EPA, 1993a)
Chromium-51 [c]	pCi/L	3E+03	6E+03	Interim Final PDWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Cobalt	µg/L	20	40	EPA Method 6010
Cobalt, dissolved	µg/L	20	40	EPA Method 6010
Cobalt, total recoverable	µg/L	20	40	EPA Method 6010
Cobalt-57	pCi/L	5E+02	1E+03	Interim Final PDWS (EPA, 1977)
Cobalt-58 [d]	pCi/L	4.5E+03	9E+03	Interim Final PDWS (EPA, 1977)
Cobalt-60	pCi/L	5E+01	1E+02	Interim Final PDWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Copper, dissolved	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Copper, total recoverable	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Corrosivity		No flag	No flag	Set by EPD/EMS
m-Cresol (3-Methylphenol)	µg/L	50	100	EPA Method 8270
o-Cresol (2-Methylphenol)	µg/L	50	100	EPA Method 8270
p-Cresol (4-Methylphenol)	µg/L	50	100	EPA Method 8270
Curium-242	pCi/L	6.65E+01	1.33E+02	Proposed PDWS (EPA, 1991)
Curium-243	pCi/L	4.15E+00	8.3E+00	Proposed PDWS (EPA, 1991)
Curium-243/244 [e]	pCi/L	4.15E+00	8.3E+00	Proposed PDWS (EPA, 1991)

Analyte	Unit	Flag 1	Flag 2	Source [a]
Curium-244	pCi/L	4.92E+00	9.84E+00	Proposed PDWS (EPA, 1991)
Curium-245/246 [c]	pCi/L	3.12E+00	6.23E+00	Proposed PDWS (EPA, 1991)
Curium-246	pCi/L	3.14E+00	6.27E+00	Proposed PDWS (EPA, 1991)
Cyanide	µg/L	100	200	Final PDWS (EPA, 1993a)
Dalapon [b]	µg/L	100	200	Final PDWS (EPA, 1993a)
p,p'-DDD	µg/L	0.5	1	EPA Method 8080
p,p'-DDE	µg/L	0.5	1	EPA Method 8080
p,p'-DDT	µg/L	0.5	1	EPA Method 8080
Diallate	µg/L	50	100	EPA Method 8270
Dibenz[*a*,*h*]anthracene	µg/L	0.15	0.3	Proposed PDWS (EPA, 1990)
Dibenzofuran	µg/L	50	100	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final PDWS (EPA, 1993a)
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
1,2-Dibromoethane	µg/L	0.025	0.05	Final PDWS (EPA, 1993a)
Dibromomethane (Methylene bromide)	µg/L	5	10	EPA Method 8240
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
1,2-Dichlorobenzene	µg/L	300	600	Final PDWS (EPA, 1993a)
1,3-Dichlorobenzene	µg/L	50	100	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final PDWS (EPA, 1993a)
3,3'-Dichlorobenzidine	µg/L	50	100	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	150	300	EPA Method 8240
Dichlorodifluoromethane	µg/L	5	10	EPA Method 8240
1,1-Dichloroethane	µg/L	5	10	EPA Method 8240
1,2-Dichloroethane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
1,1-Dichloroethylene	µg/L	3.5	7	Final PDWS (EPA, 1993a)
1,2-Dichloroethylene	µg/L	25	50	Final PDWS (EPA, 1993a)
cis-1,2-Dichloroethylene	µg/L	35	70	Final PDWS (EPA, 1993a)
trans-1,2-Dichloroethylene	µg/L	50	100	Final PDWS (EPA, 1993a)
Dichloromethane (Methylene chloride)	µg/L	2.5	5	Final PDWS (EPA, 1993a)
2,4-Dichlorophenol	µg/L	50	100	EPA Method 8270
2,6-Dichlorophenol	µg/L	50	100	EPA Method 8270
2,4-Dichlorophenoxyacetic acid	µg/L	35	70	Final PDWS (EPA, 1993a)
1,2-Dichloropropane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
cis-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
trans-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
Dieldrin	µg/L	2.5	5	EPA Method 8080
Di(2-ethylhexyl) adipate	µg/L	200	400	Final PDWS (EPA, 1993a)
Diethyl phthalate		No flag	No flag	Set by EPD/EMS
Dimethoate	µg/L	50	100	EPA Method 8270
p-Dimethylaminoazobenzene	µg/L	50	100	EPA Method 8270
p-(Dimethylamino)ethylbenzene	µg/L	50	100	EPA Method 8270
7,12-Dimethylbenz[*a*]anthracene	µg/L	50	100	EPA Method 8270
3,3'-Dimethylbenzidine	µg/L	50	100	EPA Method 8270
a,a-Dimethylphenethylamine	µg/L	50	100	EPA Method 8270
2,4-Dimethyl phenol	µg/L	50	100	EPA Method 8270
Dimethyl phthalate		No flag	No flag	Set by EPD/EMS
1,3-Dinitrobenzene	µg/L	50	100	EPA Method 8270
2,4-Dinitrophenol	µg/L	250	500	EPA Method 8270
2,4-Dinitrotoluene	µg/L	50	100	EPA Method 8270
2,6-Dinitrotoluene	µg/L	50	100	EPA Method 8270
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS

Analyte	Unit	Flag 1	Flag 2	Source [a]
1,4-Dioxane	µg/L	50	100	EPA Method 8270
Diphenylamine	µg/L	50	100	EPA Method 8270
1,2-Diphenylhydrazine	µg/L	50	100	EPA Method 8270
Diquat dibromide [b]	µg/L	10	20	Final PDWS (EPA, 1993a)
Dissolved organic carbon	µg/L	5,000	10,000	EPA Method 9060
Disulfoton	µg/L	50	100	EPA Method 8270
Eh		No flag	No flag	Set by EPD/EMS
Endosulfan I	µg/L	0.5	1	EPA Method 8080
Endosulfan II	µg/L	0.5	1	EPA Method 8080
Endosulfan sulfate	µg/L	0.5	1	EPA Method 8080
Endothall [b]	µg/L	50	100	Final PDWS (EPA, 1993a)
Endrin	µg/L	1	2	Final PDWS (EPA, 1993a)
Endrin aldehyde	µg/L	0.5	1	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethylbenzene	µg/L	350	700	Final PDWS (EPA, 1993a)
Ethyl methacrylate	µg/L	50	100	EPA Method 8270
Ethyl methanesulfonate	µg/L	50	100	EPA Method 8270
Europium-152	pCi/L	3E+01	6E+01	Interim Final PDWS (EPA, 1977)
Europium-154	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Europium-155	pCi/L	3E+02	6E+02	Interim Final PDWS (EPA, 1977)
Famphur	µg/L	50	100	EPA Method 8270
Fluoranthene	µg/L	50	100	EPA Method 8270
Fluorene	µg/L	50	100	EPA Method 8270
Fluoride	µg/L	2,000	4,000	Final PDWS (EPA, 1993a)
Glyphosate [b]	µg/L	350	700	Final PDWS (EPA, 1993a)
Gross alpha	pCi/L	7.5E+00	1.5E+01	Final PDWS (EPA, 1993a)
Heptachlor	µg/L	0.2	0.4	Final PDWS (EPA, 1993a)
Heptachlor epoxide	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.00325	0.0065	EPA Method 8280
1,2,3,4,6,7,8-HPCDD	µg/L	0.00325	0.0065	EPA Method 8280
Heptachlorodibenzo-p-furan isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,6,7,8-HPCDF	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1	Final PDWS (EPA, 1993a)
Hexachlorobutadiene	µg/L	50	100	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Final PDWS (EPA, 1993a)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,7,8-HXCDD	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,2,3,4,7,8-HXCDF	µg/L	0.002	0.004	EPA Method 8280
Hexachloroethane	µg/L	50	100	EPA Method 8270
Hexachlorophene	µg/L	250	500	EPA Method 8270
Hexachloropropene	µg/L	50	100	EPA Method 8270
2-Hexanone	µg/L	50	100	EPA Method 8240
Indeno[1,2,3-*c,d*]pyrene	µg/L	50	100	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	pCi/L	5E-01	1E+00	Interim Final PDWS (EPA, 1977)
Iodine-131 [c]	pCi/L	1.5E+00	3E+00	Interim Final PDWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	75	150	EPA Method 8240
Iron	µg/L	150	300	SDWS (EPA, 1993b)

Analyte	Unit	Flag 1	Flag 2	Source [a]
Iron, dissolved	µg/L	150	300	SDWS (EPA, 1993b)
Iron, total recoverable	µg/L	150	300	SDWS (EPA, 1993b)
Iron-55 [c]	pCi/L	1E+03	2E+03	Interim Final PDWS (EPA, 1977)
Iron-59 [c]	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Isobutyl alcohol	µg/L	500	1,000	EPA Method 8240
Isodrin	µg/L	50	100	EPA Method 8270
Isophorone	µg/L	50	100	EPA Method 8270
Isosafrole	µg/L	50	100	EPA Method 8270
Kepone	µg/L	50	100	EPA Method 8270
Lanthanum-140 [c]	pCi/L	3E+01	6E+01	Interim Final PDWS (EPA, 1977)
Lead	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead, dissolved	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead, total recoverable	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead-212	pCi/L	6.2E+01	1.23E+02	Proposed PDWS (EPA, 1991)
Lindane	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
Lithium	µg/L	25	50	EPA Method 6010
Lithium, dissolved	µg/L	25	50	EPA Method 6010
Lithium, total recoverable	µg/L	25	50	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Magnesium, dissolved		No flag	No flag	Set by EPD/EMS
Magnesium, total recoverable		No flag	No flag	Set by EPD/EMS
Manganese	µg/L	25	50	SDWS (EPA, 1993b)
Manganese, dissolved	µg/L	25	50	SDWS (EPA, 1993b)
Manganese, total recoverable	µg/L	25	50	SDWS (EPA, 1993b)
Manganese-54	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Mercury	µg/L	1	2	Final PDWS (EPA, 1993a)
Mercury, dissolved	µg/L	1	2	Final PDWS (EPA, 1993a)
Mercury, total recoverable	µg/L	1	2	Final PDWS (EPA, 1993a)
Methacrylonitrile	µg/L	250	500	EPA Method 8240
Methapyrilene	µg/L	50	100	EPA Method 8270
Methoxychlor	µg/L	20	40	Final PDWS (EPA, 1993a)
3-Methylcholanthrene	µg/L	50	100	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	250	500	EPA Method 8270
Methyl ethyl ketone		No flag	No flag	Set by EPD/EMS
Methyl isobutyl ketone		No flag	No flag	Set by EPD/EMS
Methyl methacrylate	µg/L	50	100	EPA Method 8270
Methyl methanesulfonate	µg/L	50	100	EPA Method 8270
2-Methylnaphthalene	µg/L	50	100	EPA Method 8270
Molybdenum	µg/L	250	500	EPA Method 6010
Molybdenum, dissolved	µg/L	250	500	EPA Method 6010
Molybdenum, total recoverable	µg/L	250	500	EPA Method 6010
Naphthalene	µg/L	50	100	EPA Method 8270
1,4-Naphthoquinone	µg/L	50	100	EPA Method 8270
1-Naphthylamine	µg/L	50	100	EPA Method 8270
2-Naphthylamine	µg/L	50	100	EPA Method 8270
Neptunium-237	pCi/L	3.53E+00	7.06E+00	Proposed PDWS (EPA, 1991)
Nickel	µg/L	50	100	Final PDWS (EPA, 1993a)
Nickel, dissolved	µg/L	50	100	Final PDWS (EPA, 1993a)
Nickel, total recoverable	µg/L	50	100	Final PDWS (EPA, 1993a)
Nickel-59 [c]	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Nickel-63 [c]	pCi/L	2.5E+01	5E+01	Interim Final PDWS (EPA, 1977)
Niobium-95 [c]	pCi/L	1.5E+02	3.E+02	Interim Final PDWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1993a)
Nitrate-nitrite as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1993a)

Analyte	Unit	Flag 1	Flag 2	Source [a]
Nitrite as nitrogen	µg/L	500	1,000	Final PDWS (EPA, 1993a)
m-Nitroaniline	µg/L	50	100	EPA Method 8270
o-Nitroaniline	µg/L	50	100	EPA Method 8270
p-Nitroaniline	µg/L	50	100	EPA Method 8270
Nitrobenzene	µg/L	50	100	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	50	100	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodimethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodipropylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomorpholine	µg/L	50	100	EPA Method 8270
N-Nitrosopiperidine	µg/L	50	100	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	50	100	EPA Method 8270
5-Nitro-o-toluidine	µg/L	50	100	EPA Method 8270
Nonvolatile beta	pCi/L	2.5E+01	5E+01	Interim Final PDWS (EPA, 1977)
Octachlorodibenzo-p-dioxin isomers	µg/L	0.005	0.01	EPA Method 8280
Octachlorodibenzo-p-furan isomers	µg/L	0.005	0.01	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS
Oil & Grease	µg/L	5,000	10,000	EPA Method 413.1
Oxamyl [b]	µg/L	100	200	Final PDWS (EPA, 1993a)
Parathion	µg/L	0.25	0.5	EPA Method 8080
Parathion methyl	µg/L	0.25	0.5	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1221	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1232	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1242	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1248	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1254	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1260	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1262	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
Pentachlorobenzene	µg/L	50	100	EPA Method 8270
Pentachlorodibenzo-p-dioxin isomers	µg/L	0.00275	0.0055	EPA Method 8280
1,2,3,7,8-PCDD	µg/L	0.00275	0.0055	EPA Method 8280
Pentachlorodibenzo-p-furan isomers	µg/L	0.00275	0.0055	EPA Method 8280
1,2,3,7,8-PCDF	µg/L	0.00275	0.0055	EPA Method 8280
Pentachloroethane	µg/L	50	100	EPA Method 8270
Pentachloronitrobenzene	µg/L	50	100	EPA Method 8270
Pentachlorophenol	µg/L	0.5	1	Final PDWS (EPA, 1993a)
pH	pH	8	10	Set by EPD/EMS
pH	pH	4	3	Set by EPD/EMS
Phenacetin	µg/L	50	100	EPA Method 8270
Phenanthrene	µg/L	50	100	EPA Method 8270
Phenol	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source [a]
Phenols	µg/L	25	50	EPA Method 420.1
p-Phenylenediamine	µg/L	50	100	EPA Method 8270
Phorate	µg/L	0.5	1	EPA Method 8080
Picloram [b]	µg/L	250	500	Final PDWS (EPA, 1993a)
2-Picoline	µg/L	50	100	EPA Method 8270
Plutonium-238	pCi/L	3.51E+00	7.02E+00	Proposed PDWS (EPA, 1991)
Plutonium-239	pCi/L	3.11E+01	6.21E+01	Proposed PDWS (EPA, 1991)
Plutonium-239/240 [e]	pCi/L	3.11E+01	6.21E+01	Proposed PDWS (EPA, 1991)
Plutonium-240	pCi/L	3.11E+01	6.22E+01	Proposed PDWS (EPA, 1991)
Plutonium-241 [c]	pCi/L	3.13E+01	6.26E+01	Proposed PDWS (EPA, 1991)
Plutonium-242 [c]	pCi/L	3.27E+01	6.54E+01	Proposed PDWS (EPA, 1991)
Potassium		No flag	No flag	Set by EPD/EMS
Potassium, dissolved		No flag	No flag	Set by EPD/EMS
Potassium, total recoverable		No flag	No flag	Set by EPD/EMS
Potassium-40	pCi/L	1.5E+02	3E+02	Proposed PDWS (EPA, 1986)
Promethium-144	pCi/L	5E+01	1E+02	EPA Method 901.1
Promethium-146	pCi/L	5E+01	1E+02	EPA Method 901.1
Promethium-147	pCi/L	2.62E+03	5.24E+03	Proposed PDWS (EPA, 1991)
Pronamid	µg/L	50	100	EPA Method 8270
Propionitrile	µg/L	1,000	2,000	EPA Method 8240
Pyrene	µg/L	50	100	EPA Method 8270
Pyridine	µg/L	50	100	EPA Method 8270
Radium (alpha-emitting) [f]	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radium-226	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radium-228	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radon-222	pCi/L	1.5E+02	3E+02	Proposed PDWS (EPA, 1991)
Ruthenium-103 [c]	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Ruthenium-106	pCi/L	1.5E+01	3E+01	Interim Final PDWS (EPA, 1977)
Safrole	µg/L	50	100	EPA Method 8270
Selenium	µg/L	25	50	Final PDWS (EPA, 1993a)
Selenium, dissolved	µg/L	25	50	Final PDWS (EPA, 1993a)
Selenium, total recoverable	µg/L	25	50	Final PDWS (EPA, 1993a)
Silica		No flag	No flag	Set by EPD/EMS
Silica, dissolved		No flag	No flag	Set by EPD/EMS
Silica, total recoverable		No flag	No flag	Set by EPD/EMS
Silver	µg/L	50	100	SDWS (EPA, 1993b)
Silver, dissolved	µg/L	50	100	SDWS (EPA, 1993b)
Silver, total recoverable	µg/L	50	100	SDWS (EPA, 1993b)
Simazine [b]	µg/L	2	4	Final PDWS (EPA, 1993a)
Sodium		No flag	No flag	Set by EPD/EMS
Sodium, dissolved		No flag	No flag	Set by EPD/EMS
Sodium, total recoverable		No flag	No flag	Set by EPD/EMS
Sodium-22	pCi/L	2.33E+02	4.66E+02	Proposed PDWS (EPA, 1991)
Specific conductance	µS/cm	250	500	Set by EPD/EMS
Strontium-89	pCi/L	1E+01	2E+01	Interim Final PDWS (EPA, 1977)
Strontium-89/90 [e]	pCi/L	4E+00	8E+00	Final PDWS (EPA, 1993a)
Strontium-90	pCi/L	4E+00	8E+00	Final PDWS (EPA, 1993a)
Styrene	µg/L	50	100	Final PDWS (EPA, 1993a)
Sulfate	µg/L	200,000	400,000	Proposed PDWS (EPA, 1990)
Sulfide	µg/L	5,000	10,000	EPA Method 9030
Sulfotepp	µg/L	50	100	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.000015	0.00003	Final PDWS (EPA, 1993a)
2,3,7,8-TCDF	µg/L	0.002	0.004	EPA Method 8280

Technetium-99	pCi/L	4.5E+02	9E+02	Interim Final PDWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	50	100	EPA Method 8270
Tetrachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
Tetrachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
Tetrachloroethylene	µg/L	2.5	5	Final PDWS (EPA, 1993a)
2,3,4,6-Tetrachlorophenol	µg/L	50	100	EPA Method 8270
Thallium	µg/L	1	2	Final PDWS (EPA, 1993a)
Thallium, dissolved	µg/L	1	2	Final PDWS (EPA, 1993a)
Thallium, total recoverable	µg/L	1	2	Final PDWS (EPA, 1993a)
Thionazin	µg/L	50	100	EPA Method 8270
Thorium-228	pCi/L	6.25E+01	1.25E+02	Proposed PDWS (EPA, 1991)
Thorium-230	pCi/L	3.96E+01	7.92E+01	Proposed PDWS (EPA, 1991)
Thorium-232	pCi/L	4.4E+01	8.8E+01	Proposed PDWS (EPA, 1991)
Thorium-234	pCi/L	2E+02	4.01E+02	Proposed PDWS (EPA, 1991)
Tin	µg/L	10	20	EPA Method 282.2

Analyte	Unit	Flag 1	Flag 2	Source [a]
Tin, dissolved	µg/L	10	20	EPA Method 282.2
Tin, total recoverable	µg/L	10	20	EPA Method 282.2
Tin-113 [c]	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final PDWS (EPA, 1993a)
o-Toluidine	µg/L	50	100	EPA Method 8270
Total carbon	µg/L	5,000	10,000	EPA Method 9060
Total coliform		0	0	Final PDWS (EPA, 1993a)
Total dissolved solids		No flag	No flag	Set by EPD/EMS
Total hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total inorganic carbon	µg/L	5,000	10,000	EPA Method 9060
Total organic carbon	µg/L	5,000	10,000	EPA Method 9060
Total organic halogens	µg/L	25	50	EPA Method 9020
Total organic nitrogen	µg/L	500	1,000	APHA Method 420
Total petroleum hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total phosphates (as P)		No flag	No flag	Set by EPD/EMS
Total phosphorus		No flag	No flag	Set by EPD/EMS
Toxaphene	µg/L	1.5	3	Final PDWS (EPA, 1993a)
2,4,5-TP (Silvex)	µg/L	25	50	Final PDWS (EPA, 1993a)
Tributyl phosphate	µg/L	50	100	EPA Method 8270
1,2,4-Trichlorobenzene	µg/L	35	70	Final PDWS (EPA, 1993a)
1,1,1-Trichloroethane	µg/L	100	200	Final PDWS (EPA, 1993a)
1,1,2-Trichloroethane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Trichloroethylene	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Trichlorofluoromethane	µg/L	5	10	EPA Method 8240
2,4,5-Trichlorophenol	µg/L	50	100	EPA Method 8270
2,4,6-Trichlorophenol	µg/L	50	100	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	2.5	5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	5	10	EPA Method 8240
O,O,O-Triethyl phosphorothioate	µg/L	50	100	EPA Method 8270
1,3,5-Trinitrobenzene	µg/L	50	100	EPA Method 8270
Tritium	pCi/mL	1E+01	2E+01	Final PDWS (EPA, 1993a)
Turbidity [g]		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed PDWS (EPA, 1991)

Uranium, dissolved	µg/L	10	20	Proposed PDWS (EPA, 1991)
Uranium, total recoverable	µg/L	10	20	Proposed PDWS (EPA, 1991)
Uranium alpha activity	pCi/L	1.5E+01	3E+01	Proposed PDWS (EPA, 1991)
Uranium-233/234 [e]	pCi/L	6.9E+00	1.38E+01	Proposed PDWS (EPA, 1991)
Uranium-234	pCi/L	6.95E+00	1.39E+01	Proposed PDWS (EPA, 1991)
Uranium-235	pCi/L	7.25E+00	1.45E+01	Proposed PDWS (EPA, 1991)
Uranium-238	pCi/L	7.3E+00	1.46E+01	Proposed PDWS (EPA, 1991)
Vanadium	µg/L	40	80	EPA Method 6010
Vanadium, dissolved	µg/L	40	80	EPA Method 6010
Vanadium, total recoverable	µg/L	40	80	EPA Method 6010
Vinyl acetate	µg/L	5	10	EPA Method 8240
Xylenes	µg/L	5,000	10,000	Final PDWS (EPA, 1993a)
Yttrium-88	pCi/L	5E+01	1E+02	EPA Method 901.1
Zinc	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc, dissolved	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc, total recoverable	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc-65	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Zirconium-95 [c]	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Zirconium/Niobium-95 [c]	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)

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

References

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

EPA (U.S. Environmental Protection Agency), 1986. *Water Pollution Control; National Primary Drinking Water Regulations, Radionuclides (Proposed).* **Federal Register**, September 30, 1986, pp. 34835-34862. Washington, DC.

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

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

EPA (U.S. Environmental Protection Agency), 1993a. *National Primary Drinking Water Regulations.* **Code of Federal Regulations**, Section 40, Part 141, pp. 592-732. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1993b. *National Secondary Drinking Water Regulations.* **Code of Federal Regulations**, Section 40, Part 143, pp. 774-777. Washington, DC.

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

Appendix C

Figures

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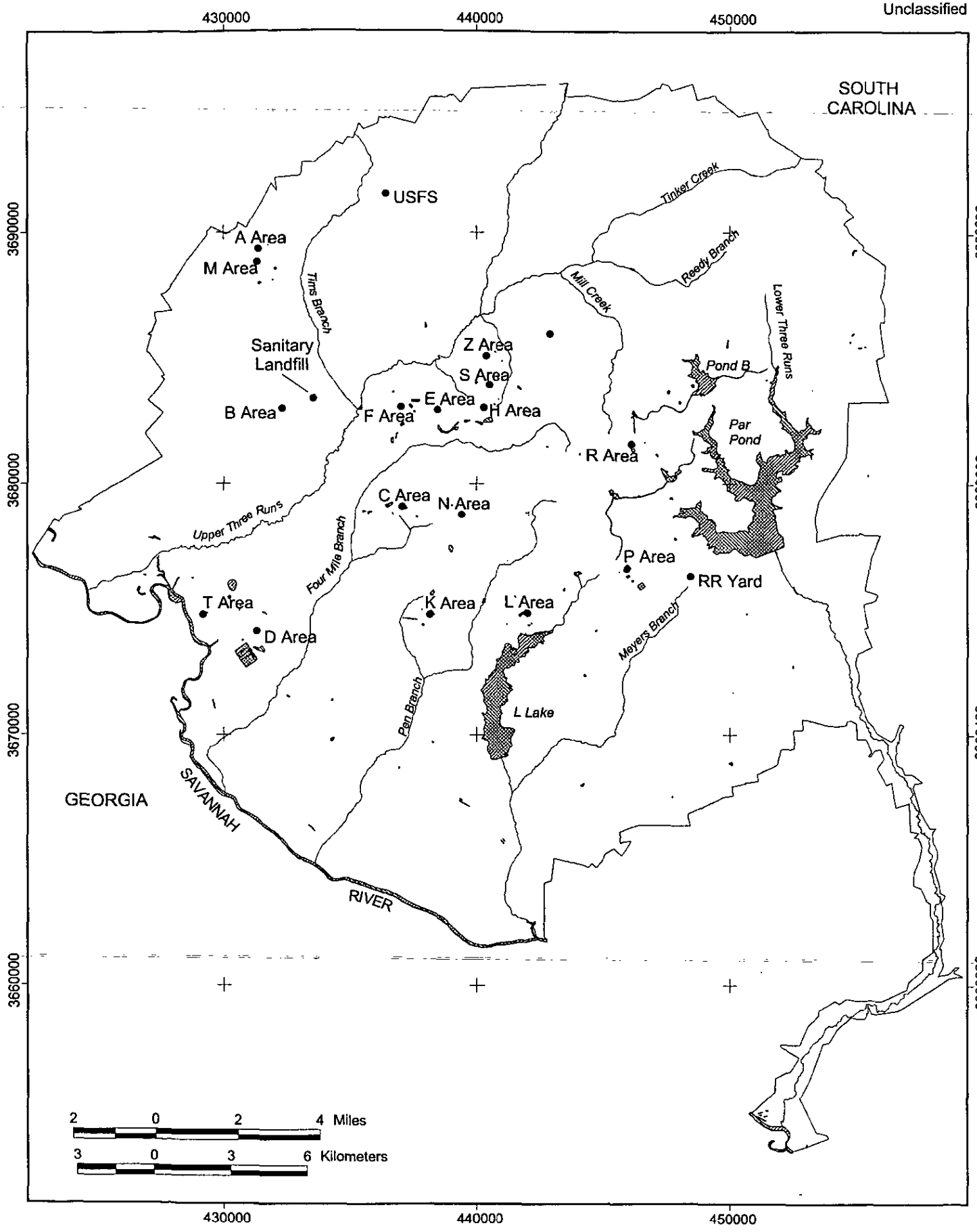

Figure 1. Location of the Sanitary Landfill at the Savannah River Site.

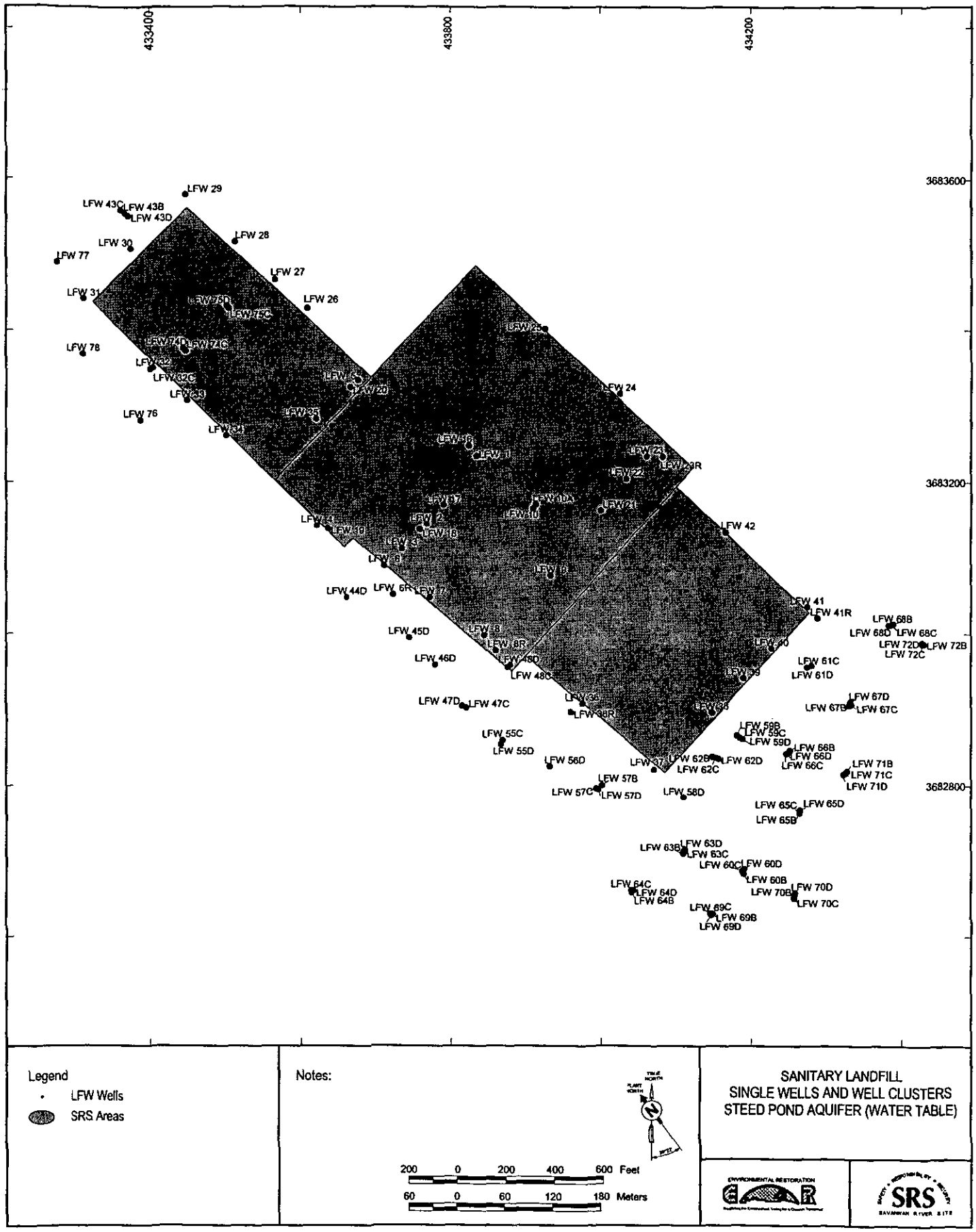

Figure 2. Boundaries of the Original Sanitary Landfill Expansion and Location of the Monitoring Wells at the Sanitary Landfill

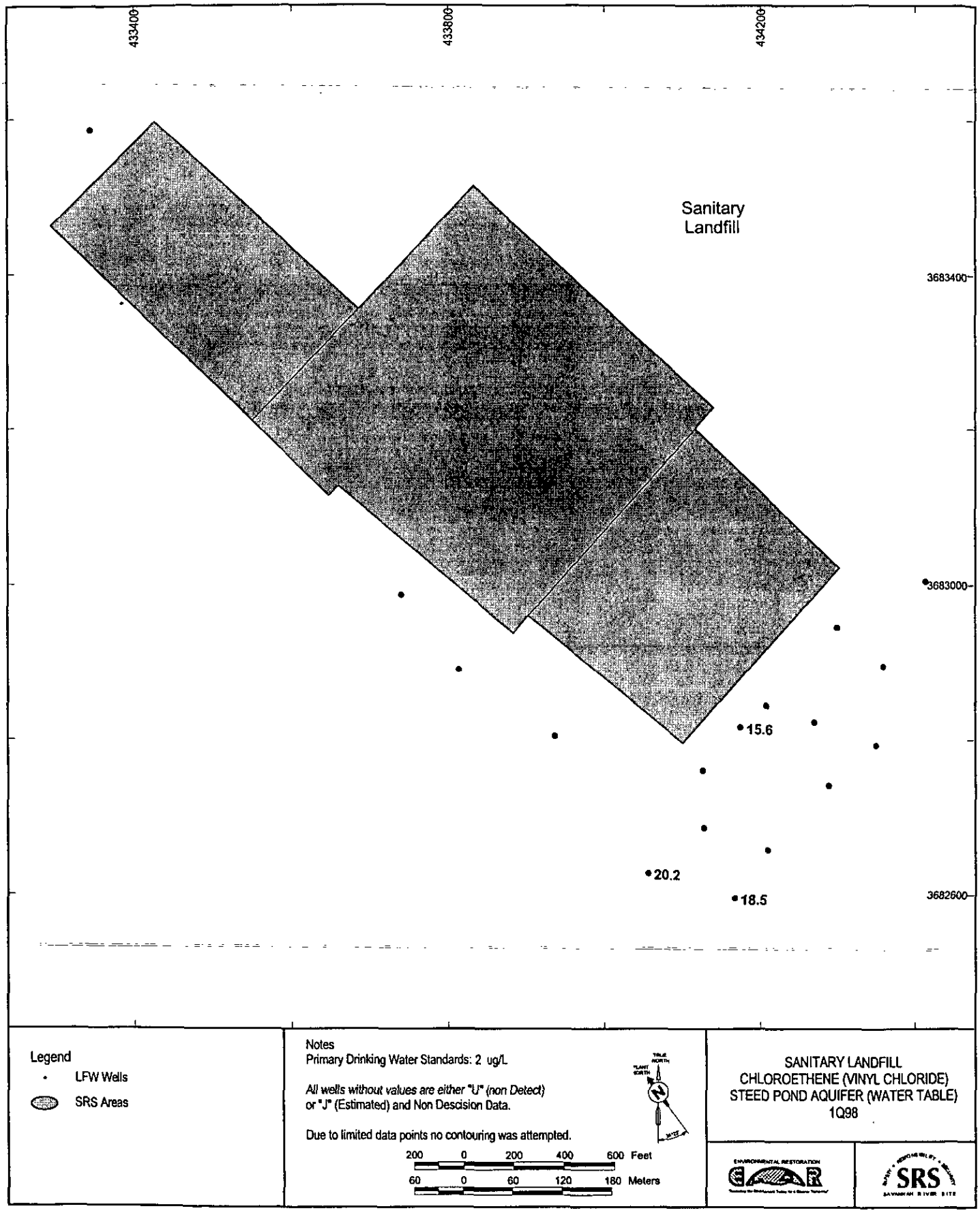

Figure 3. Chloroethene (Vinyl Chloride) Concentrations at the Sanitary Landfill, First Quarter 1998.

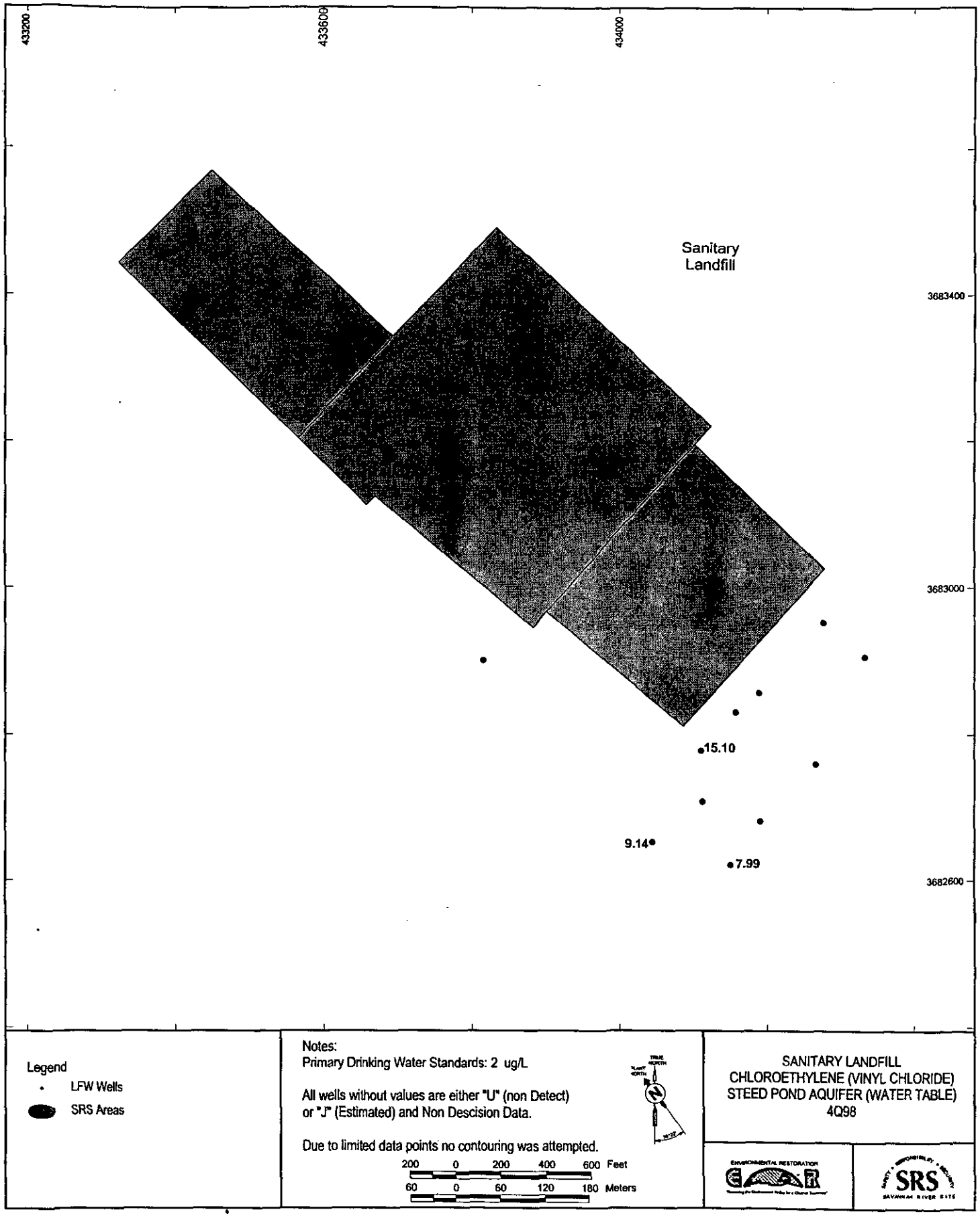

Figure 4. Chloroethene (Vinyl Chloride) Concentrations at the Sanitary Landfill, Fourth Quarter 1998.

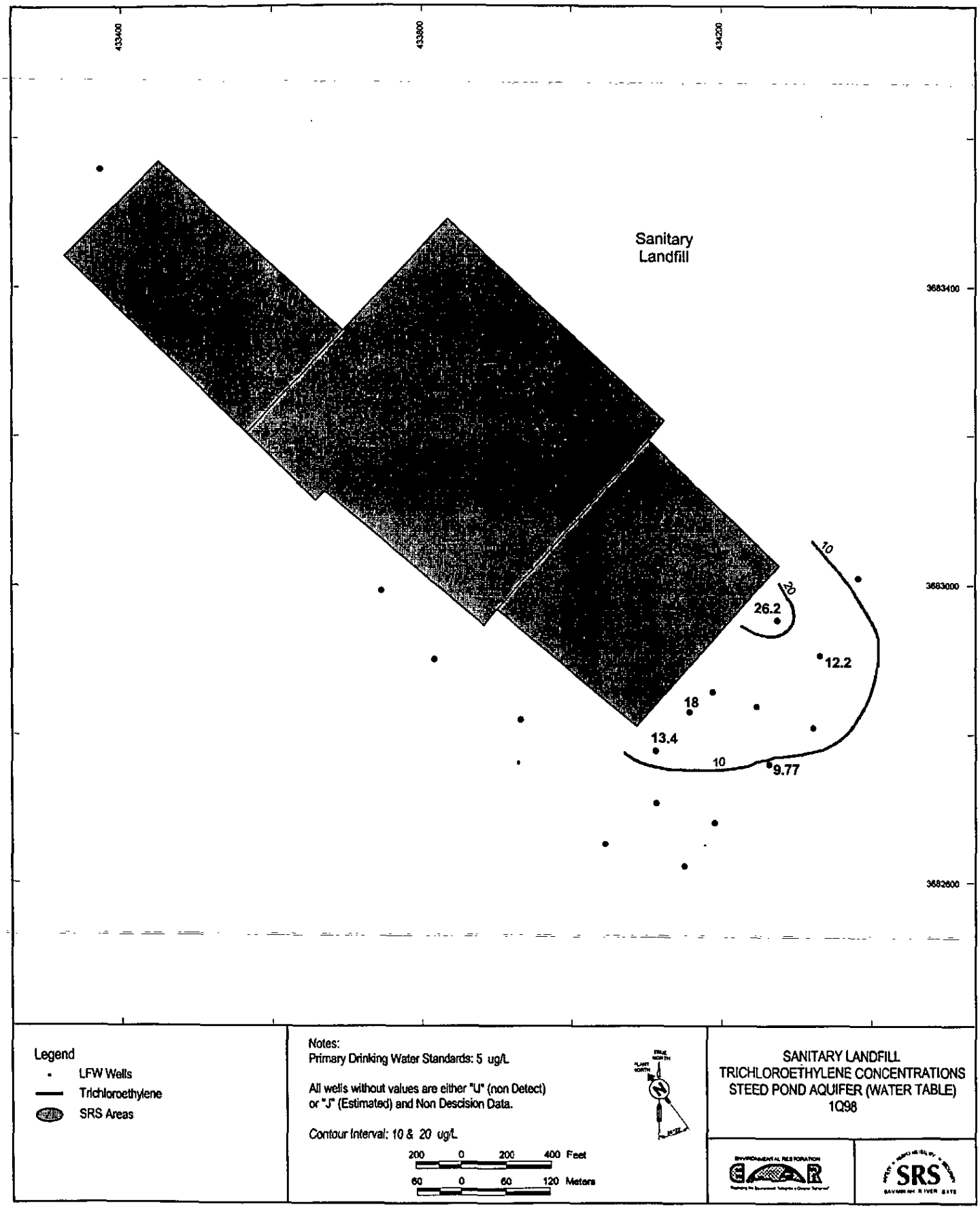

Figure 5. Trichloroethylene Concentrations at the Sanitary Landfill, First Quarter 1998.

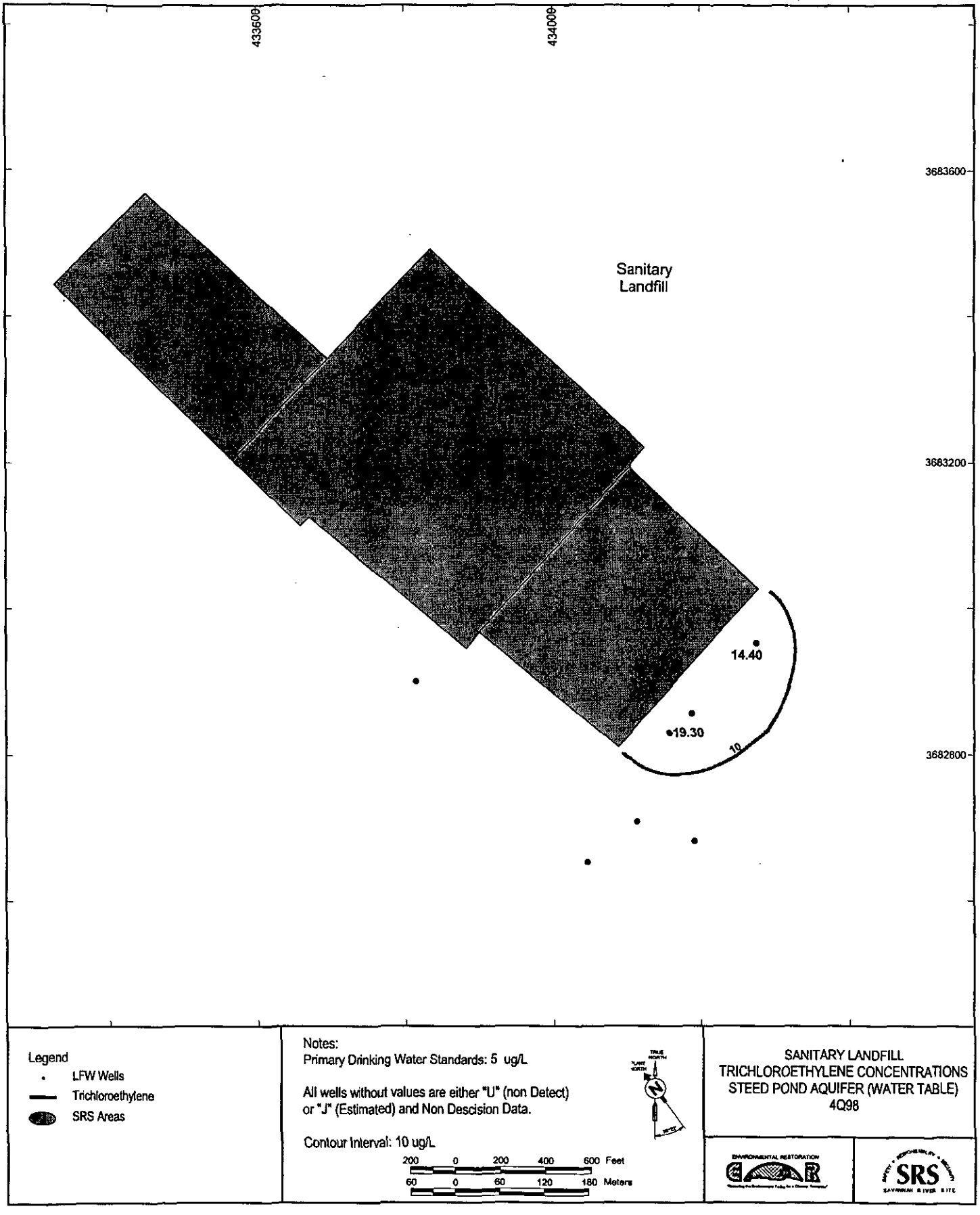

Figure 6. Trichloroethylene Concentrations at the Sanitary Landfill, Fourth Quarter 1998.

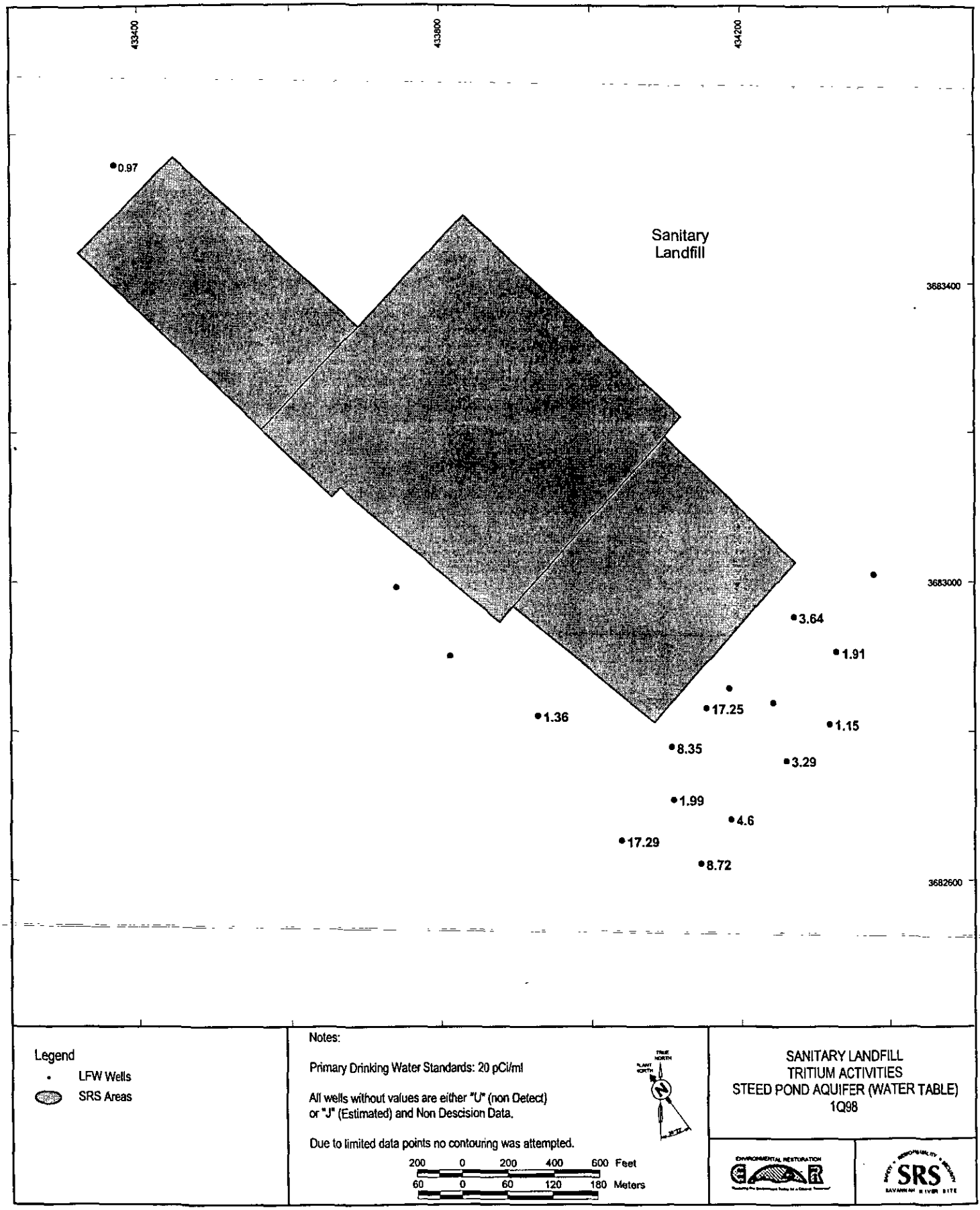

Figure 7. Tritium Activities at the Sanitary Landfill, First Quarter 1998.

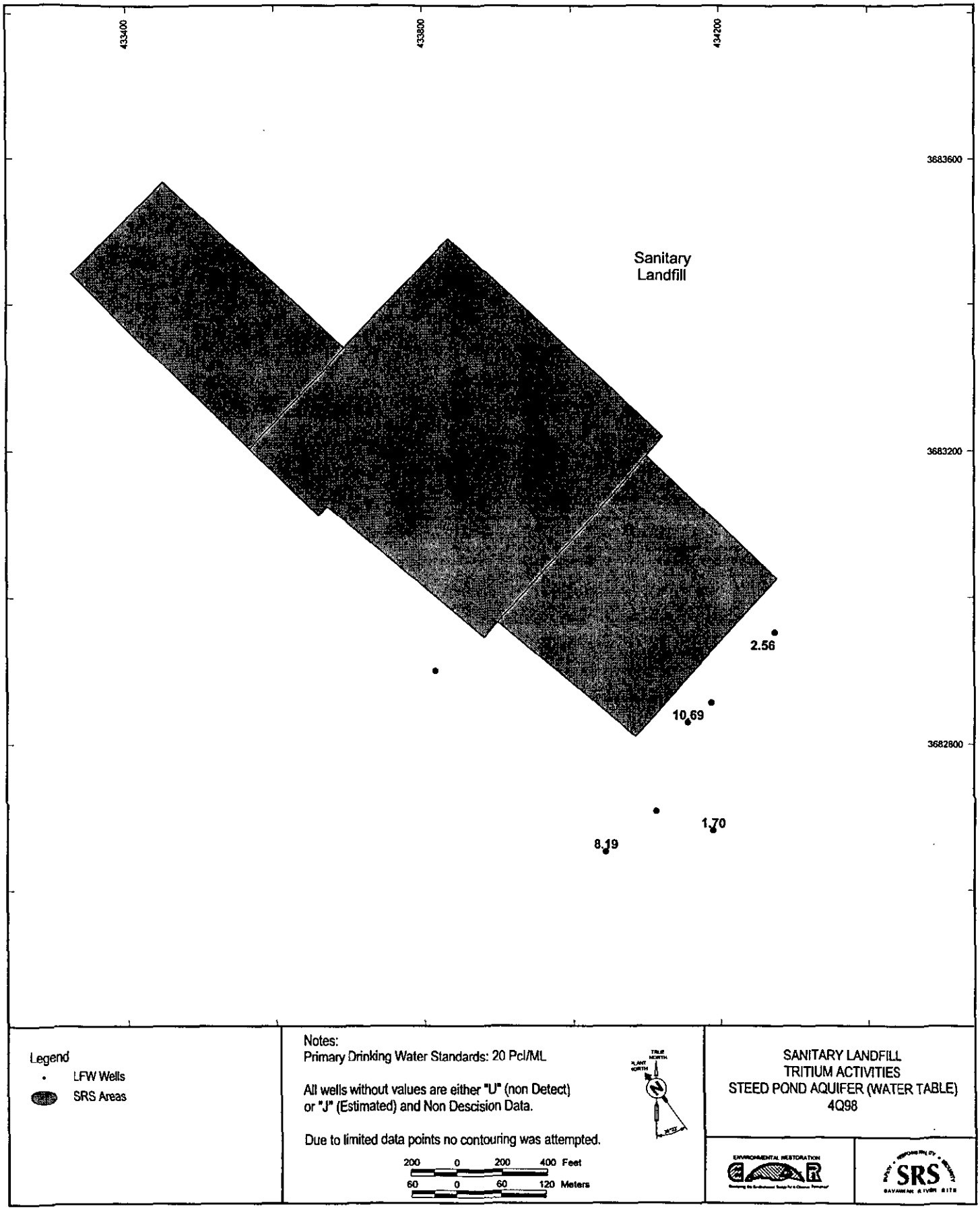

Figure 8. Tritium Activities at the Sanitary Landfill, Fourth Quarter 1998.

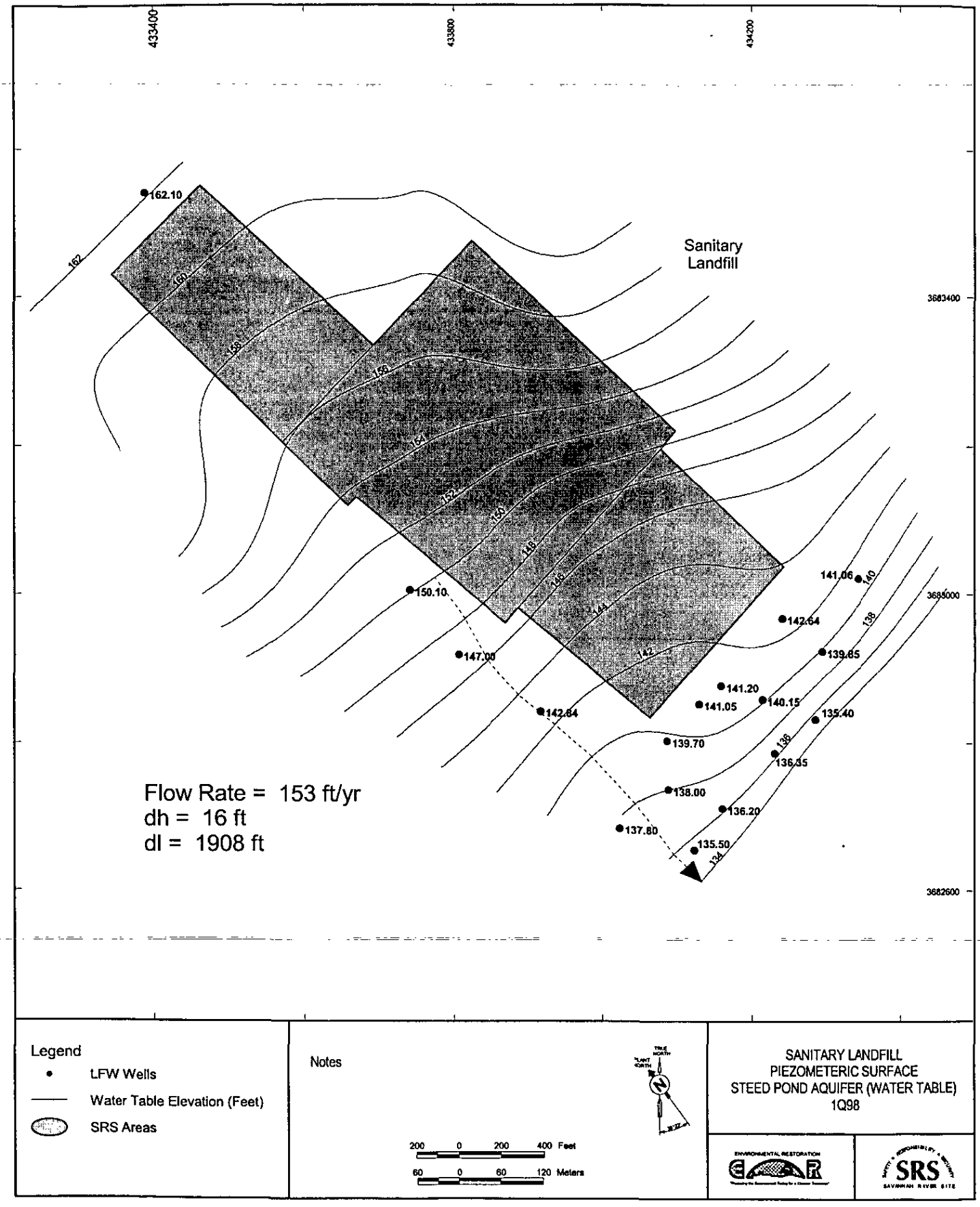

Figure 9. Pieziometric Surface of the Steed Pond (Water Table) at the Sanitary Landfill, First Quarter 1998.

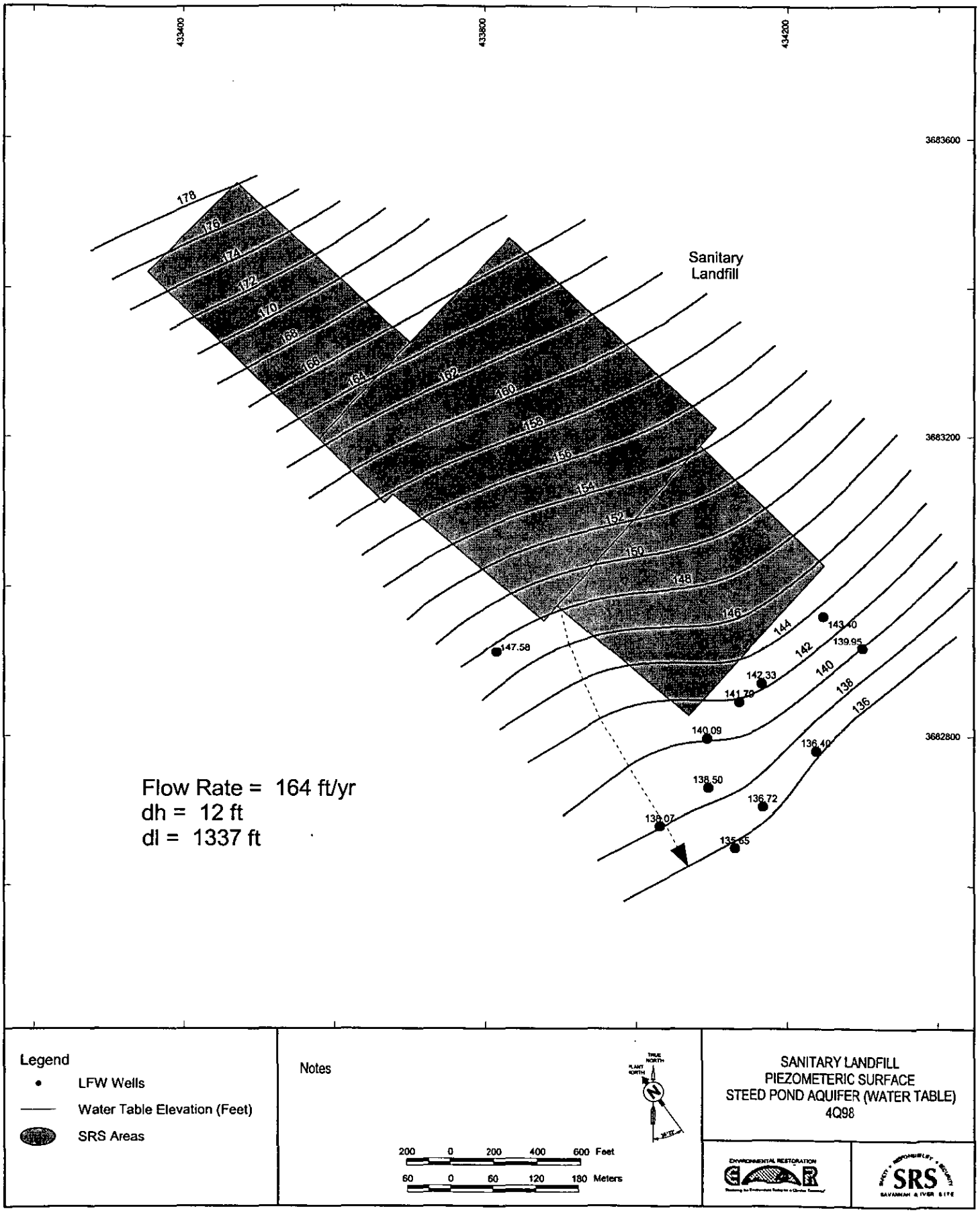

Figure 10. Pieziometric Surface of the Steed Pond (Water Table) at the Sanitary Landfill, Fourth Quarter 1998.

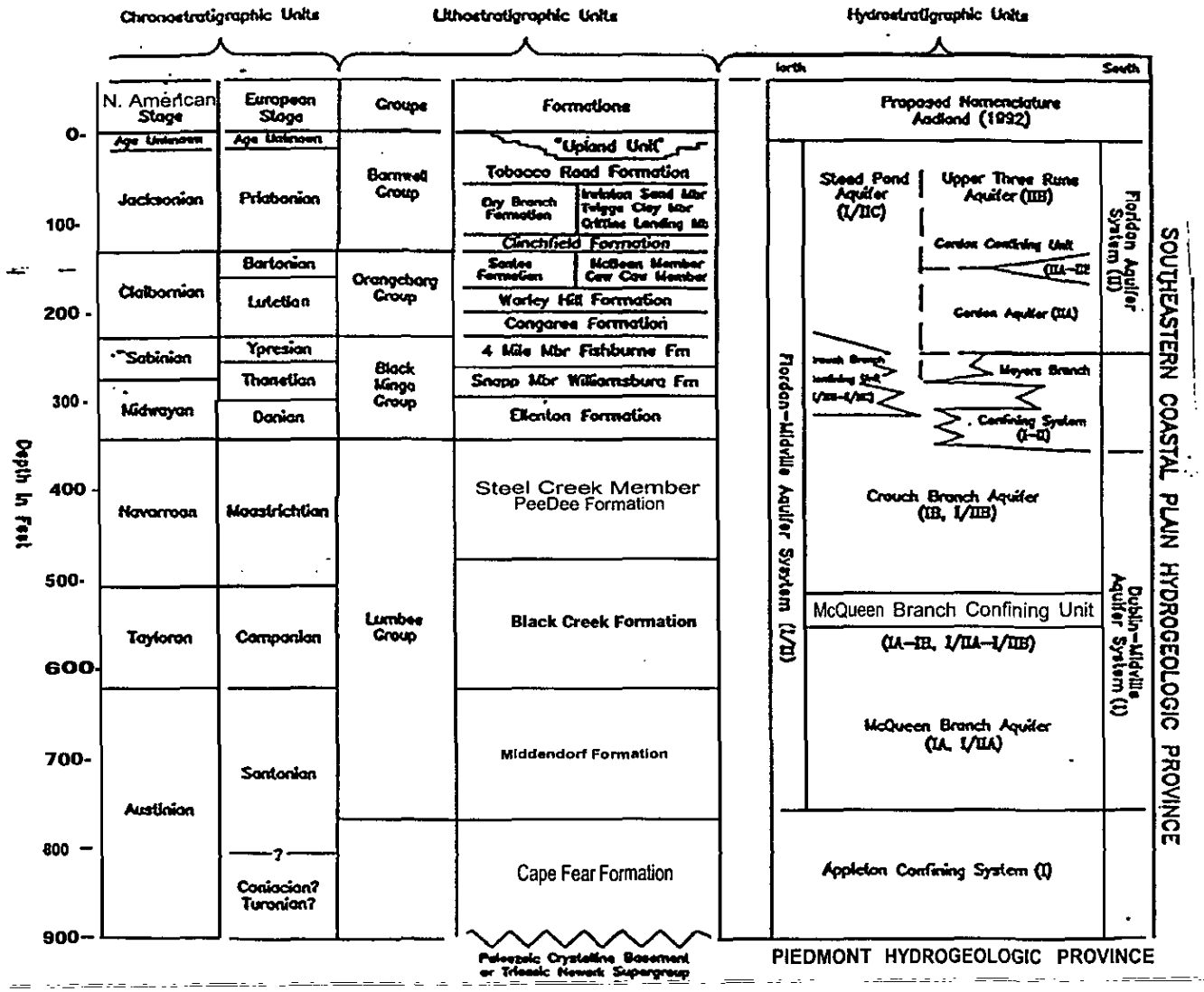

Figure 11. Regional Correlation of Hydrostratigraphic and Lithographic

Appendix D

Tables

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Fourth Quarter 1998 Data Review

This report contains analytical data for samples taken during Fourth Quarter 1998 from wells of the LFW series located at the Sanitary Landfill at the Savannah River Site (SRS). The data are submitted in reference to the Sanitary Landfill Operating Permit (DWP-087A). The report presents monitoring results that equaled or exceeded the Safe Drinking Water Act final Primary Drinking Water Standards (PDWS) or screening levels established by the U.S. Environmental Protection Agency (Appendix A), the South Carolina final Primary Drinking Water Standard for lead (Appendix A), or the SRS flagging criteria (Appendix B).

Mechanical failure prevented sample collection and analysis of the groundwater at well LFW10A.

Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

1,2,3,4,6,7,8-HPCDD	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin
1,2,3,4,6,7,8-HPCDF	1,2,3,4,6,7,8-heptachlorodibenzo-p-furan
1,2,3,4,7,8-HXCDD	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
1,2,3,4,7,8-HXCDF	1,2,3,4,7,8-hexachlorodibenzo-p-furan
Lindane	gamma-benzene hexachloride
PCB	polychlorinated biphenyl
1,2,3,7,8-PCDD	1,2,3,7,8-pentachlorodibenzo-p-dioxin
1,2,3,7,8-PCDF	1,2,3,7,8-pentachlorodibenzo-p-furan
Sp. Conductance	specific conductance
TCDD	tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzo-p-furan

Laboratories

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

Sampling Codes

B	blank sample was collected
C	well was pumping continuously
D	well was dry
E	equipment blank was collected
I	well went dry during sampling; insufficient water to collect all samples
L	well went dry before sampling began; only depth to water can be determined
P	inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	no water in standpipe; for water level events only

Sampling Codes (cont'd)

X	well went dry during purging; samples collected after well recovered

Sampling Methods

B	sample collected using an open-bucket bailer
P	sample collected using a bladder pump
S	sample collected using a single-speed centrifugal downhole pump
V	*sample collected using a variable-speed pump*

Units

E	exponential notation (e.g., 1.1E-09 = 1.1×10^{-9} = 0.0000000011)
mg/L	milligrams per liter
msl	mean sea level
MSL	million structures per liter
NTU	turbidity unit
pCi/L	picocuries per liter
pCi/mL	picocuries per milliliter
pH	pH unit
µg/L	micrograms per liter
µS/cm	microsiemens per centimeter

Other

CS	carbon steel
D	primary drinking water standard (PDWS) column in data tables
GS	groundwater protection standard column in data tables
H	holding time column in data tables
Mod	modifier column in data tables
PDWS	primary drinking water standard
PVC	polyvinyl chloride
TOC	top of casing

Holding Times

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

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

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

Data Rounding

Constituent results in analytical results tables that appear to equal the final PDWS but are not marked in the *D* (exceeded the final PDWS or screening level) column are below the final PDWS in the database. Values stored in the database contain more significant digits than the reported results. Apparent discrepancies in the tables are due to the rounding of reported results.

Data Qualification

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

Result Modifier	
(Blank)	Data are not qualified. Numbers should be interpreted exactly as reported.
A	Value reported is the mean of two or more determinations.
I	The value in the result field is the instrument reading, not the sample quantification limit. Always used with the result qualifier *U*.
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.

Result Modifier (cont'd)

1	Result may be an underestimation of the true value due to analytical bias.
2	Result may be an overestimation of the true value due to analytical bias.
3	The associated result may be of poor precision (high variability) due to analytical bias.
4	Result is associated with QA results indicating matrix interference.
6	The associated result is from a reanalysis performed out of holding time due to problems with an earlier analysis.

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Table 1. Maximum Levels of Constituents Exceeding the Final Primary Drinking Water Standards

Steed Pond Aquifer (Water Table)

Well	Constituent	Units	1Q98	2Q98	3Q98	4Q98	Modifiers
LFW6R	Chloroethene (Vinyl chloride)	µg/L	2.54	2.4	4	NA[b]	J
	Iron, (total recoverable)	µg/L	NA[b]	NA[b]	488	NA[b]	
	Trichlorofluoromethane	µg/L	---[a]	34	37	---[a]	J
LFW8R	Chloroethene (Vinyl chloride)	µg/L	10.4	---[a]	7.2	13.3	
	Dichloromethane (methylene chloride)	µg/L	---[a]	---[a]	8.3	---[a]	U
	Iron, (total recoverable)	µg/L	NA[b]	NA[b]	24000	43900	
LFW10A	1,1-Dichloroethane	µg/L	172	130	200	151	
	Benzene	µg/L	7.44	7	11	9.53	
	Chloroethene (Vinyl chloride)	µg/L	34.8	24	36	27.1	
	Dichloromethane (Methylene chloride)	µg/L	---[a]	100	190	59.6	
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	36600	37000	
	Trichlorofluoromethane	µg/L	23.6	19	---[a]	---[a]	
	Tritium	pCi/mL	27.71	---[a]	20.33	23.87	
LFW18	Chloroethene (Vinyl chloride)	µg/L	3.24	2.8	---[a]	---[a]	
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	11500	15600	
LFW21	1,1-Dichloroethane	µg/L	79.2	40	62	55	
	Chloroethene (Vinyl chloride)	µg/L	3.24	5.1	6.8	18.8	
	Dichloromethane (Methylene chloride)	µg/L	---[a]	---[a]	5.4	---[a]	
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	15600	19900	
LFW31	Trichlorofluoromethane	µg/L	---[a]	12	28	39.9	
LFW32C	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	NA[b]	52.7	J
LFW36R	Chloroethene (Vinyl chloride)	µg/L	19.6	22	13	NA[b]	
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	29700	NA[b]	
LFW43B	1,2-Dichloroethane	µg/L	7.5	---[a]	---[a]	NA[b]	
LFW56D	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	83.1	NA[b]	
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	330	NA[b]	
LFW59D	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	145	119	J
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	---[a]	358	

Well	Constituent	Units	1Q98	2Q98	3Q98	4Q98	Modifiers
LFW58D	1,1-Dichloroethane	µg/L	67.7	NA[b]	140	92.3	
	1,4-Dichlorobenzene	µg/L	---[a]	NA[b]	170	173	
	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	630	---[a]	
	Benzene	µg/L	---[a]	NA[b]	24	13.3	
	Chloroethene (Vinyl chloride)	µg/L	7.95	NA[b]	40	15.1	
	Dichlorodifluoromethane	µg/L	24.6	NA[b]	15	27.7	
	Dichloromethane (Methylene chloride)	µg/L	---[a]	NA[b]	---[a]	8.6	J
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	7980	17900	
	Tetrachloroethylene	µg/L	5.25	NA[b]	---[a]	---[a]	
	Trichloroethylene	µg/L	13.4	NA[b]	16	16.2	
	Trichlorofluoromethane	µg/L	17.5	NA[b]	34	33.9	
LFW60C	1,1-Dichloroethane	µg/L	12.7	---[a]	13	NA[b]	
	Chloroethene (Vinyl chloride)	µg/L	2.87	4.1	5.7	NA[b]	
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	3760	NA[b]	
LFW60D	1,1-Dichloroethane	µg/L	18.1	---[a]	---[a]	---[a]	
	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	649	---[a]	
	Iron (total recoverable)	µg/L	---[a]	---[a]	531	---[a]	
	Mercury (total recoverable)	µg/L	2.48	---[a]	---[a]	---[a]	
LFW61D	1,1-Dichloroethane	µg/L	75.9	46	49	59.1	
	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	203	---[a]	
	Dichlorodifluoromethane	µg/L	38.5	17	17	18.7	
	Dichloromethane (Methylene chloride)	µg/L	---[a]	14	---[a]	---[a]	
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	23000	19200	
	Tetrachloroethylene	µg/L	8.31	---[a]	---[a]	---[a]	
	Trichloroethylene	µg/L	26.2	10	12	14.4	
	Trichlorofluoromethane	µg/L	14.8	---[a]	---[a]	16	
	Tritium	pCi/mL	---[a]	---[a]	2.39	---[a]	
LFW62C	1,1-Dichloroethane	µg/L	45.7	NA[b]	NA[b]	NA[b]	
	1,2-Dichloroethane	µg/L	5.22	NA[b]	NA[b]	NA[b]	
	Mercury (total recoverable)	µg/L	3.21	NA[b]	NA[b]	NA[b]	
	Trichloroethylene	µg/L	13.2	NA[b]	NA[b]	NA[b]	
LFW62D	1,1-Dichloroethane	µg/L	119	NA[b]	82	79.1	
	1,2-Dichloroethane	µg/L	5.38	NA[b]	---[a]	---[a]	
	1,4-Dichlorobenzene	µg/L	86	NA[b]	---[a]	---[a]	
	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	369	861	
	Benzene	µg/L	25.6	NA[b]	12	11	
	Chloroethene (Vinyl chloride)	µg/L	15.6	NA[b]	5.2	---[a]	
	Dichlorodifluoromethane	µg/L	19.9	NA[b]	12	---[a]	
	Dichloromethane(Methylene chloride)	µg/L	NA[b]	NA[b]	11	10.3	
	Iron (total recoverable)	µg/L	34.5	NA[b]	660	1970	
	Tetrachloroethylene	µg/L	---[a]	---[a]	---[a]	7.05	

Well	Constituent	Units	1Q98	2Q98	3Q98	4Q98	Modifiers
LFW62D (cont.)	Trichloroethylene	µg/L	34.5	NA[b]	12	19.3	
	Trichlorofluoromethane	µg/L	17.25	NA[b]	26	27.9	
	Cis-1,2-Dichloroethylene	µg/L	NA[b]	NA[b]	NA[b]	75.2	
LFW63B	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	437	NA[b]	
LFW63C	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	105	NA[b]	
LFW63D	Chloroethene (Vinyl chloride)	µg/L	9.89	12	7.1	---[a]	
	Dichlorodifluoromethane	µg/L	21.4	28	20	18.1	
	Dichloromethane (Methylene chloride)	µg/L	---[a]	10	8	---[a]	
	Trichlorofluoromethane	µg/L	24.9	27	18	11.6	
LFW64C	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	731	NA[b]	
LFW64D	Chloroethene (Vinyl chloride)	µg/L	20.2	5.5	9.14	---[a]	
LFW65B	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	281	NA[b]	
LFW65D	1,1-Dichloroethane	µg/L	22.2	14	14	10.8	
	Trichloroethylene	µg/L	9.77	5.7	---[a]	5.09	
	Trichlorofluoromethane	µg/L	25.7	16	14	24.3	
LFW67B	Aluminum (total recoverable)	µg/L	---[a]	---[a]	315	NA[b]	
LFW67C	1,1-Dichloroethane	µg/L	147	120	140	114	
	Arsenic (total recoverable)	µg/L	---[a]	---[a]	---[a]	68.8	J
	Benzene	µg/L	10.2	8.9	8.4	7.29	
	Chloroethene (Vinyl chloride)	µg/L	---[a]	3.9	3.3	41.3	
	Dichlorodifluoromethane	µg/L	14.2	19	11	14.2	
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	65300	60200	
	Trichloroethylene	µg/L	14.4	16	14	9.52	
	Trichlorofluoromethane	µg/L	---[a]	21	15	---[a]	
	Tritium	pCi/mL	26.91	25.4	33.83	34.53	
	Cis-1,2-Dichloroethylene	µg/L	NA[b]	NA[b]	NA[b]	201	
LFW67D	1,1-Dichloroethane	µg/L	31.8	43	26	31.8	J
	1,1-Dichloroethylene	µg/L	---[a]	---[a]	---[a]	1.69	
	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	54.2	NA[b]	
	Dichlorodifluoromethane	µg/L	18.2	25	12	18.2	J
	Dichloromethane (Methylene chloride)	µg/L	---[a]	---[a]	49	---[a]	
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	---[a]	71.6	
	Trichloroethylene	µg/L	12.2	17	7.4	11.6	J
	Trichlorofluoromethane	µg/L	40.1	11	11	21.9	J
LFW68D	Iron (total recoverable)	µg/L	NA[b]	NA[b]	1790	NA[b]	

Well	Constituent	Units	1Q98	2Q98	3Q98	4Q98	Modifiers
LFW69C	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	321	NA[b]	
LFW69D	1,1-Dichloroethane	µg/L	10.2	---[a]	---[a]	---[a]	
	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	110	---[a]	
	Chloroethene (Vinyl chloride)	µg/L	18.5	7.8	17	18.5	
	Iron (total recoverable)	µg/L	NA[b]	NA[b]	3140	629	
LFW71B	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	309	NA[b]	
LFW71C	Aluminum (total recoverable)	µg/L	NA[b]	NA[b]	90.1	NA[b]	

Table 2. Maximum Levels of Constituents Exceeding Other Flag 2 Criteria

Well	Constituent	Units	1Q98	2Q98	3Q98	4Q98	Modifiers
LFW31	pH	PH	NA[b]	---[a]	NA[b]	5.37	
LFW32C	PH	PH	NA[b]	---[a]	NA[b]	5.33	J
LFW43B	*pH*	*pH*	*5.27*	NA[b]	NA[b]	NA[b]	

Notes: The groundwater samples are unfiltered. Therefore, the results for metals are for total recoverable metals. The modifier column applies to fourth quarter 1997 data only.

---[a] = analyzed but not above final PDWS
NA[b] = not analyzed

Table 3. Groundwater Monitoring Results for Individual Wells

WELL: LFW 6R

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 84413.9 E 45194.0	33.286 Deg N 81.712 Deg W	154.3 - 134.3 ft msl	170.2 ft msl	2"PVC	V	U Steed Pond

SAMPLE DATE	12/01/97	03/12/98	06/12/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	150.65	153.46	152.35		ft msl
Depth to water	17.35	14.54	15.65		ft
pH	4.6	4.9	4.6		pH
Sp. Conductance	42	85	34		uS/cm
Water temperature	20	17	16		deg. C
Alkalinity as CaCO3	0	7	0		mg/L
Turbidity	3.3	1.6	1.1		NTU
Volumes purged	3.61580	4.85293	3.61337		well volumes
Sampling code					

ANALYTICAL DATA

H ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
	1,1,1,2-Tetrachloroethane	<5	<5	<5						
	1,1,1-Trichloroethane	<5	2	2.9						
	1,1,2,2-Tetrachloroethane	<5	<5	<5						
	1,1,2-Trichloroethane	<5	<5	<5						
	1,1-Dichloroethane	1.15	<5	1.1						
	1,1-Dichloroethylene	<5	<5	<5						
	1,2,3-Trichloropropane	<5	<5	<5						
	1,2-Dibromo-3-chloropropane	<5	<5	<5						
	1,2-Dibromoethane	<5	<5	<5						
	1,2-Dichloroethane	<5	<5	<5						
	1,2-Dichloropropane	<5	<5	<5						
	1,4-Dichlorobenzene	<5	<5	.86						
	2-Hexanone	<10	<10	<10						
	Acetone	<3.92	<4.1	<10						
	Acetonitrile (Methyl cyanide)	<20	<20	<20						
	Acrolein	<20	<10	<10						
	Acrylonitrile	<5	<20	<5						
	Allyl chloride	<10	<10	<10						
	Aluminum, total recoverable			35.9						
	Arsenic, total recoverable	<40	<8	<8						
	Barium, total recoverable	14.3	7.6	11.5						
	Benzene	<5	<5	<5						
	Bromodichloromethane	<5	<5	<5						
	Bromoform	<5	<5	<5						
	Bromomethane (Methyl bromide)	<10	<10	<10						
	Cadmium, total recoverable	<4.7	<2	<.4						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 6R

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	.83	1.5						
		Chloroethane	<10	4.3	5.3						
		Chloroethene (Vinyl chloride)	2.56	2.4	4						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	4.8	<3	<3						
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	<5	1.4						
		Dichloromethane (Methylene chloride)	<4.75	<2.5	<2.8						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	5.79	3.83	7.04						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			488						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	21.9	<5	6						
		Mercury, total recoverable	.08	.13	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Styrene	<5	<5	<5						
		Tetrachloroethylene	3.31	<5	<5						
		Toluene	<5	<5	<5						
		Trichloroethylene	<5	<5	.86						
		Trichlorofluoromethane	1.46	34	37						
		Tritium	<1.11	1950	2.1						
		Unknown		<11.62							
		Vinyl acetate	<10	<5	<5						
		Xylenes	4.35	<5	<5						
		cis-1,3-Dichloropropene	<5	<5	<5						
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 8R

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83949.0	33.286 Deg N	154.9 - 134.9 ft msl	170.6 ft msl	2" PVC	V	U Steed Pond
E 45414.6	81.710 Deg W					

SAMPLE DATE	12/02/97	03/16/98	06/10/98	09/15/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	147.08	149.07	148.13	148.23	ft msl
Depth to water	21.4	19.41	20.35	20.25	ft
pH	6.4	6.1	6.1	7.2	pH
Sp. Conductance	240	110	120	200	uS/cm
Water temperature	21	22.4	21.3	22	deg. C
Alkalinity as CaCO3	19	29	46	75	mg/L
Turbidity	.8	.9	1.6	.2	NTU
Volumes purged	5.12400	8.61979	11.1371	8.69387	well volumes
Sampling code	tV				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethane	1.93	<5	2.9	3.06	1	J	ug/L	EX	NDD
		1,1-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	3.78	<5	2	6.28	1		ug/L	EX	6.28
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<7.84	<10	<5	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<10	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<20	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			11.6	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	20.4	10.1	10	<37.1	1	U	ug/L	EX	< EQL
		Barium, total recoverable	12.9	7.4	15.9	11	1		ug/L	EX	11
		Benzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 8R

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Bromoform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	<10	1.6	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	<.9	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	2.21	<5	1.4	3.75	1	J	ug/L	EX	NDD
		Chloroethane	<10	<10	6.7	<10	1	U	ug/L	EX	< EQL
+		Chloroethene (Vinyl chloride)	10.4	<10	7.2	13.3	1		ug/L	EX	13.3
		Chloroform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<10	<10	1.1	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5	<5	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<7	<3	<3	<10	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dichlorodifluoromethane	1.58	<5	2.1	2.5	1	J	ug/L	EX	NDD
		Dichloromethane (Methylene chloride)	<7.89	<2.4	<8.3	<10	1	U	ug/L	EX	< EQL
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Gross alpha	6.39	<1.81	5.29	11.04	1		pCi/L	TM	11.04
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
+		Iron, total recoverable			24000	43900	1		ug/L	EX	43900
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	14.8	24.6	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	<.2	<.2	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<10	<12	<12	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate		<5	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	8.34	1	J	ug/L	EX	NDD
		Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Toluene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichlorofluoromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tritium	.96	1060	<1.08	<1.21	1	UI	pCi/ml	TM	< EQL
		Vinyl acetate	<10	<5	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	<5	<5	<5	<10	1	U	ug/L	EX	< EQL
		cis-1,2-Dichloroethylene				4.39	1	J	ug/L	EX	NDD
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 8R

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 10A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 84369.6	33.287 Deg N	164.4 - 134.4 ft msl	181.6 ft msl	4"PVC	S	U Steed Pond
E 45935.6	81.710 Deg W					

SAMPLE DATE	12/01/97	03/16/98	06/12/98	09/16/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	149.14	151.69	151.66	150.96	ft msl
Depth to water	30.3	27.75	27.78	28.48	ft
pH	6.2	6.2	6.4	6.4	pH
Sp. Conductance	420	340	400	320	uS/cm
Water temperature	18	21	22	21.5	deg. C
Alkalinity as CaCO3	140	16	97	99	mg/L
Turbidity	20.2	2.2	5.1	5.3	NTU
Volumes purged	3.70480	5.41622	5.73907	4.48590	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
+		1,1-Dichloroethane	172	130	200	151	1		ug/L	EX	151
		1,1-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	1.6	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	3.62	<5	4	3.73	1	J	ug/L	EX	NDD
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	28	26	38	43.5	1		ug/L	EX	43.5
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	3.13	<10	5.7	5.98	1		ug/L	EX	5.98
		Acetone	129	110	<32	41.3	1		ug/L	EX	41.3
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<10	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<20	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			13.5	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	17.7	14.9	16.9	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	4.7	2.7	4.1	<10	1	U	ug/L	EX	< EQL
+		Benzene	7.44	7	11	9.53	1		ug/L	EX	9.53
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 10A

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromoform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	<10	1.8	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	<2	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	1.31	<5	1.1	1.84	1	J	ug/L	EX	NDD
		Chloroethane	<10	4.5	5	<10	1	U	ug/L	EX	< EQL
	+	Chloroethene (Vinyl chloride)	34.8	24	36	27.1	1		ug/L	EX	27.1
		Chloroform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5	<5	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	17.3	<3	<3	<10	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dichlorodifluoromethane	7.24	2.9	2.6	<5	1	U	ug/L	EX	< EQL
	+	Dichloromethane (Methylene chloride)	<9.93	100	190	59.6	1		ug/L	EX	59.6
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	43.5	56	69	65.9	1		ug/L	EX	65.9
		Gross alpha	<1.92	<-1.48	3.07	<.99	1	UI	pCi/L	TM	< EQL
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	+	Iron, total recoverable			36600	37000	1		ug/L	EX	37000
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	3.3	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	<.2	<.2	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<237	<150	<41	<36.3	1		ug/L	EX	36.3
		Methyl isobutyl ketone	<152	<110	<170	<133	1		ug/L	EX	133
		Methyl methacrylate		<5	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	4.34	2.7	3.6	2.33	1	J	ug/L	EX	NDD
		Toluene	53.3	88	130	133	1		ug/L	EX	133
		Trichloroethylene	1.78	2.2	4.2	<5	1	U	ug/L	EX	< EQL
		Trichlorofluoromethane	23.6	19	<5	<5	1	U	ug/L	EX	< EQL
	+	Tritium	27.71	13400	20.33	23.87	1		pCi/ml	TM	> 20
		Vinyl acetate	<10	<5	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	138	200	250	209	1		ug/L	EX	209
		cis-1,2-Dichloroethylene				<5	1	U	ug/L	EX	< EQL
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 10A

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 18

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 84577.3	33.287 Deg N	167.7 - 137.7 ft msl	183.9 ft msl	4" PVC	S	U Steed Pond
E 45459.4	81.711 Deg W					

SAMPLE DATE	12/01/97	03/16/98	06/12/98	09/16/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	151.3	154.1	153.75	153.8	ft msl
Depth to water	30.35	27.55	27.9	27.85	ft
pH	5.8	5.7	6	5.2	pH
Sp. Conductance	120	100	110	100	uS/cm
Water temperature	17	19.7	22.6	20.9	deg. C
Alkalinity as CaCO3	33	16	29	37	mg/L
Turbidity	.6	2.3	.9	1	NTU
Volumes purged	3.35136	3.01295	5.80878	2.06893	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethane	1.02	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	6.31	5.8	2.7	4.94	1	J	ug/L	EX	NDD
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<5.38	<10	<3.6	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<10	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<20	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			14.9	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	18.1	17	12.8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	3.4	2.5	3.1	<10	1	U	ug/L	EX	< EQL
		Benzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 18

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromoform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	<2	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	1.79	1.7	.8	1.54	1	J	ug/L	EX	NDD
		Chloroethane	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Chloroethene (Vinyl chloride)	3.24	2.8	1.1	<5	1	U	ug/L	EX	< EQL
		Chloroform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5	<5	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<1.1	<3	<3	<10	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dichlorodifluoromethane	<10	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dichloromethane (Methylene chloride)	<5.14	<2.7	<2.2	<10	1	U	ug/L	EX	< EQL
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Gross alpha	1.43	<-.36	2.14	1.1	1		pCi/L	TM	1.1
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
+		Iron, total recoverable			11500	15600	1		ug/L	EX	15600
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	9.6	4.2	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	<.2	<.2	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<3.28	<10	<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<1.44	<12	<12	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate		<5	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	2.91	<5	<5	<5	1	U	ug/L	EX	< EQL
		Toluene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichloroethylene	1.14	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichlorofluoromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tritium	<2.15	1660	<1.29	<.57	1	UI	pCi/ml	TM	< EQL
		Vinyl acetate	<10	<5	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	<5	<5	<5	<10	1	U	ug/L	EX	< EQL
		cis-1,2-Dichloroethylene				<5	1	U	ug/L	EX	< EQL
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 18

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 21

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 84178.3	33.287 Deg N	167.9 - 137.9 ft msl	185.1 ft msl	4" PVC	S	U Steed Pond
E 46149.4	81.709 Deg W					

SAMPLE DATE	12/01/97	03/16/98	06/12/98	09/16/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	147.46	150.16	149.63	149.04	ft msl
Depth to water	35.45	32.75	33.28	33.87	ft
pH	6.2	6	6.3	6.6	pH
Sp. Conductance	*300*	*200*	220	200	uS/cm
Water temperature	19	20	22	20.7	deg. C
Alkalinity as CaCO3	130	115	83	98	mg/L
Turbidity	4.2	1.5	3.5	4.6	NTU
Volumes purged	6.38420	8.57470	7.69339	3.32886	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
+		1,1-Dichloroethane	79.2	40	62	55	1		ug/L	EX	55
		1,1-Dichloroethylene	<5	<5	.79	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	1.92	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	26.3	16	18	15.4	1		ug/L	EX	15.4
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<2.98	<7	<10	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<10	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<20	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			8	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	20.6	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	6	5.9	3.8	<10	1	U	ug/L	EX	< EQL
		Benzene	4.29	2.5	2.8	2.29	1	J	ug/L	EX	NDD
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 21

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromoform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	2.7	<10	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	<.6	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	2.15	4	2.2	2.25	1	J	ug/L	EX	NDD
		Chloroethane	<10	3.3	2.9	<10	1	U	ug/L	EX	< EQL
+		Chloroethene (Vinyl chloride)	3.24	5.1	6.8	18.8	1		ug/L	EX	18.8
		Chloroform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<10	1	<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5	<5	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<1.7	<3	<3	<10	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dichlorodifluoromethane	<10	<5	1.3	<5	1	U	ug/L	EX	< EQL
		Dichloromethane (Methylene chloride)	<5.18	<4	<5.4	4.07	1	J	ug/L	EX	NDD
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	34	5.4	10	9.63	1		ug/L	EX	9.63
		Gross alpha	4.25	<.19	<3.2	2.3	1		pCi/L	TM	2.3
		Iodomethane (Methyl iodide)	<5	5.6	<5	<5	1	U	ug/L	EX	< EQL
+		Iron, total recoverable			15600	19900	1		ug/L	EX	19900
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	8.4	4.2	9.1	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	.05	.05	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<10	<12	<12	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate		<5	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Toluene	13.9	2	2.6	2.9	1	J	ug/L	EX	NDD
		Trichloroethylene	1.02	.75	1.2	<5	1	U	ug/L	EX	< EQL
		Trichlorofluoromethane	7.08	3.9	<5	<5	1	U	ug/L	EX	< EQL
		Tritium	<10.2	4120	2.56	3.14	1		pCi/ml	TM	3.14
		Vinyl acetate	<10	<5	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	98.1	14	29	29.6	1		ug/L	EX	29.6
		cis-1,2-Dichloroethylene				52.5	1		ug/L	EX	52.5
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 21

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	.941			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 23R

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 84206.1	33.288 Deg N	138.2 - 118.2 ft msl	170.3 ft msl	2" PVC	V	U Steed Pond
E 46512.9	81.708 Deg W					

SAMPLE DATE	12/05/97	03/16/98	06/12/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	147.37	150.02	149.22		ft msl
Depth to water	20.85	18.2	19		ft
pH	4.2	4.8	4.6		pH
Sp. Conductance	30	28	24		uS/cm
Water temperature	22	16	16		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	1	.4	.3		NTU
Volumes purged	12.6910	2.69963	2.76492		well volumes
Sampling code	tV				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<10	<10	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			24.2						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	9	6.3	6.4						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	<2						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 23R

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	<5	<5						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	<10	<10	<10						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	.88	.6	<3						
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	<5	<5						
		Dichloromethane (Methylene chloride)	<4.74	<2.7	<2.3						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	8.89	4.94	9.45						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			28.2						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	3.7						
		Mercury, total recoverable	<.7	<.2	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	.88	<2	<2						
		Styrene	<5	<5	<5						
		Tetrachloroethylene	<5	<5	<5						
		Toluene	<5	<5	<5						
		Trichloroethylene	<5	<5	<5						
		Trichlorofluoromethane	<5	<5	<5						
		Tritium	1.7	1700	<.78						
		Vinyl acetate	<10	<5	<5						
		Xylenes	<5	<5	<5						
		cis-1,3-Dichloropropene	<5	<5	<5						
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 28

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 86079.6	33.290 Deg N	162.1 - 141.1 ft msl	192.4 ft msl	4" PVC	S	U Steed Pond
E 45555.3	81.714 Deg W					

SAMPLE DATE 02/02/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		162.2			ft msl
Depth to water		27.9			ft
pH		5.2			pH
Sp. Conductance		56			uS/cm
Water temperature		19.4			deg. C
Alkalinity as CaCO3		11			mg/L
Turbidity		1			NTU
Volumes purged		2.21493			well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		<5							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		<5							
		1,1-Dichloroethylene		<5							
		1,2,3-Trichloropropane		<5							
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,4-Dichlorobenzene		<5							
		2-Hexanone		<10							
		Acetone		<10							
		Acetonitrile (Methyl cyanide)		<20							
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Antimony, total recoverable		<5							
		Arsenic, total recoverable		<8							
		Barium, total recoverable		22.8							
		Benzene		<5							
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 28

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromoform		<5							
		Bromomethane (Methyl bromide)		<10							
		Cadmium, total recoverable		<2							
		Carbon disulfide		<5							
		Carbon tetrachloride		<5							
		Chlorobenzene		<5							
		Chloroethane		<10							
		Chloroethene (Vinyl chloride)		<10							
		Chloroform		<5							
		Chloromethane (Methyl chloride)		<10							
		Chloroprene		<5							
		Chromium, total recoverable		<3							
		Cobalt, total recoverable		<5							
		Copper, total recoverable		1.9							
		Di-n-butyl phthalate		<.77							
		Dibromochloromethane		<5							
		Dibromomethane (Methylene bromide)		<5							
		Dichlorodifluoromethane		<5							
		Dichloromethane (Methylene chloride)		<2.7							
		Ethylbenzene		<5							
		Iodomethane (Methyl iodide)		<5							
		Isobutyl alcohol		<100							
		Lead, total recoverable		<5							
		Methacrylonitrile		<5							
		Methyl ethyl ketone		<10							
		Methyl isobutyl ketone		<12							
		Methyl methacrylate		<5							
		Nickel, total recoverable		<5							
		Propionitrile		<5							
		Selenium, total recoverable		<5							
		Silver, total recoverable		<2							
		Specific conductance		62.2							
		Styrene		<5							
		Tetrachloroethylene		<5							
		Thallium, total recoverable		<5							
		Toluene		<5							
		Trichloroethylene		<5							
		Trichlorofluoromethane		<5							
		Tritium		915							
		Unknown		<5.04							
		Vanadium, total recoverable		<2							
		Vinyl acetate		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 28

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Xylenes		<5							
		Zinc, total recoverable		13.6							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		pH		6.26							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 30

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 86318.4	33.290 Deg N	162.7 - 141.7 ft msl	210.0 ft msl	4" PVC	S	U Steed Pond
E 45170.9	81.716 Deg W					

SAMPLE DATE		02/06/98		09/26/98	
FIELD DATA					
Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		163.57		165.19	ft msl
Depth to water		44.13		42.51	ft
pH		4.8		4.7	pH
Sp. Conductance		20		24	uS/cm
Water temperature		17.4		20.2	deg. C
Alkalinity as CaCO3		1			mg/L
Turbidity		.8		1.1	NTU
Volumes purged		4.60407		1.30037	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		2.6							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		1							
		1,1-Dichloroethylene		<5							
		1,2,3-Trichloropropane		<5							
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,4-Dichlorobenzene		<5							
		2-Hexanone		<10							
		Acetone		<5.6							
		Acetonitrile (Methyl cyanide)		<20							
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Antimony, total recoverable		<5							
		Arsenic, total recoverable		<8							
		Barium, total recoverable		5.4							
		Benzene		<5							
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 30

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Bromoform		<5							
		Bromomethane (Methyl bromide)		<10							
		Cadmium, total recoverable		<2							
		Carbon disulfide		<5							
		Carbon tetrachloride		<5							
		Chlorobenzene		<5							
		Chloroethane		<10							
		Chloroethene (Vinyl chloride)		<10							
		Chloroform		<5							
		Chloromethane (Methyl chloride)		<10							
		Chloroprene		<5							
		Chromium, total recoverable		<3							
		Cobalt, total recoverable		<5							
		Copper, total recoverable		5.9							
		Di-n-butyl phthalate		<10		<10.2	1	U	ug/L	WA	< EQL
		Dibromochloromethane		<5							
		Dibromomethane (Methylene bromide)		<5							
		Dichlorodifluoromethane		<5							
		Dichloromethane (Methylene chloride)		<2.5							
		Ethylbenzene		<5							
		Iodomethane (Methyl iodide)		<5							
		Isobutyl alcohol		<100							
		Lead, total recoverable		<5							
		Methacrylonitrile		<5							
		Methyl ethyl ketone		<10							
		Methyl isobutyl ketone		<12							
		Methyl methacrylate		<5							
		Nickel, total recoverable		<5							
		Propionitrile		<5							
		Selenium, total recoverable		<5							
		Silver, total recoverable		<2							
		Specific conductance		20.4							
		Styrene		<5							
		Tetrachloroethylene		<5							
		Thallium, total recoverable		<5							
		Toluene		<5							
		Trichloroethylene		.54							
		Trichlorofluoromethane		15							
		Tritium		814							
		Vanadium, total recoverable		<2							
		Vinyl acetate		<5							
		Xylenes		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 30

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Zinc, total recoverable		10.9							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		pH		5.12							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 31

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 86262.2 E 44869.0	33.290 Deg N 81.716 Deg W	166.0 - 145.0 ft msl	229.3 ft msl	4" PVC	S	U Steed Pond

SAMPLE DATE	12/05/97	02/17/98	06/12/98	09/16/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	160.7	163.55	165.41		ft msl
Depth to water	66.3	63.45	61.59		ft
pH	4.8	5.2	4.5	4.8	pH
Sp. Conductance	18	26	29	31	uS/cm
Water temperature	20	20	20.1	19.6	deg. C
Alkalinity as CaCO3	4	0	0		mg/L
Turbidity	3.2	1.4	1.4	1.2	NTU
Volumes purged	16.5989	3.21694	3.96033		well volumes
Sampling code	tS			S	

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		1,1,1-Trichloroethane	<5	<5	2.8	3.09	1	J	ug/L	EX	NDD
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		1,1-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		1,2,3-Trichloropropane	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		1,2,4,5-Tetrachlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,2,4-Trichlorobenzene				<10.2	1	UJ	ug/L	WA	< EQL
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		1,2-Dichlorobenzene		<5		<10.2	1	U	ug/L	WA	< EQL
		1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		1,2-Dichloropropane	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		1,3,5-Trinitrobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,3-Dichlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,3-Dinitrobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,4-Dichlorobenzene	<5	<5	<5	<10.2	1	UJ	ug/L	WA	< EQL
		1,4-Dioxane				<10.2	1	U	ug/L	WA	< EQL
		1,4-Naphthoquinone				<10.2	1	U	ug/L	WA	< EQL
		1-Naphthylamine				<10.2	1	U	ug/L	WA	< EQL
		2,3,4,6-Tetrachlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,4,5-Trichlorophenol				<25.5	1	U	ug/L	WA	< EQL
		2,4,6-Trichlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,4-Dichlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,4-Dimethyl phenol				<10.2	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 31

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		2,4-Dinitrophenol				<25.5	1	U	ug/L	WA	< EQL
		2,4-Dinitrotoluene				<10.2	1	U	ug/L	WA	< EQL
		2,6-Dichlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,6-Dinitrotoluene				<10.2	1	U	ug/L	WA	< EQL
		2-Acetylaminofluorene				<10.2	1	U	ug/L	WA	< EQL
		2-Chloronaphthalene				<10.2	1	U	ug/L	WA	< EQL
		2-Chlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	WA	< EQL
		2-Methyl-4,6-dinitrophenol				<25.5	1	U	ug/L	WA	< EQL
		2-Methylnaphthalene				<10.2	1	U	ug/L	WA	< EQL
		2-Naphthylamine				<10.2	1	U	ug/L	WA	< EQL
		2-Nitrophenol				<10.2	1	U	ug/L	WA	< EQL
		2-Picoline				<10.2	1	U	ug/L	WA	< EQL
		2-sec-Butyl-4,6-dinitrophenol				<51	1	U	ug/L	WA	< EQL
		3,3"-Dichlorobenzidine				<10.2	1	U	ug/L	WA	< EQL
		3,3"-Dimethylbenzidine				<10.2	1	U	ug/L	WA	< EQL
		3-Methylcholanthrene				<10.2	1	U	ug/L	WA	< EQL
		4-Aminobiphenyl				<10.2	1	U	ug/L	WA	< EQL
		4-Bromophenyl phenyl ether				<10.2	1	U	ug/L	WA	< EQL
		4-Chloro-m-cresol				<10.2	1	U	ug/L	WA	< EQL
		4-Chloroaniline				<10.2	1	U	ug/L	WA	< EQL
		4-Chlorophenyl phenyl ether				<10.2	1	U	ug/L	WA	< EQL
		4-Nitrophenol				<25.5	1	U	ug/L	WA	< EQL
		4-Nitroquinoline-1-oxide				<20.4	1	U	ug/L	WA	< EQL
		5-Nitro-o-toluidine				<10.2	1	U	ug/L	WA	< EQL
		7,12-Dimethylbenz(a)anthracene				<10.2	1	U	ug/L	WA	< EQL
		Acenaphthene				<10.2	1	UJ	ug/L	WA	< EQL
		Acenaphthylene				<10.2	1	U	ug/L	WA	< EQL
		Acetone	<10	<10	<10	<4.88	1	U	ug/L	WA	< EQL
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<20	1	U	ug/L	WA	< EQL
		Acetophenone				<10.2	1	U	ug/L	WA	< EQL
		Acrolein	<20	<10	<10	<20	1	U	ug/L	WA	< EQL
		Acrylonitrile	<5	<20	<5	<5	1	U	ug/L	WA	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	WA	< EQL
		Aluminum, total recoverable			30.6	<200	1	U	ug/L	WA	< EQL
		Aniline				<10.2	1	U	ug/L	WA	< EQL
		Anthracene				<10.2	1	U	ug/L	WA	< EQL
		Antimony, total recoverable		<5		<35	1	U	ug/L	WA	< EQL
		Aramite				<20.4	1	U	ug/L	WA	< EQL
		Arsenic, total recoverable	<40	<8	<8	<28	1	U	ug/L	WA	< EQL
		Barium, total recoverable	3.1	5.9	5.1	5.6	1		ug/L	WA	5.6
		Benzene	<5	<5	<5	<5	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 31

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
Benzo(a)anthracene				<10.2	1	U	ug/L	WA	< EQL
Benzo(a)pyrene				<10.2	1	U	ug/L	WA	< EQL
Benzo(b)fluoranthene				<10.2	1	U	ug/L	WA	< EQL
Benzo(g,h,i)perylene				<10.2	1	U	ug/L	WA	< EQL
Benzo(k)fluoranthene				<10.2	1	U	ug/L	WA	< EQL
Benzoic acid				<25.5	1	U	ug/L	WA	< EQL
Benzyl alcohol				<10.2	1	U	ug/L	WA	< EQL
Beryllium, total recoverable		.2		<1	1	U	ug/L	WA	< EQL
Bis(2-chloroethoxy) methane				<10.2	1	U	ug/L	WA	< EQL
Bis(2-chloroethyl) ether				<10.2	1	U	ug/L	WA	< EQL
Bis(2-chloroisopropyl) ether				<10.2	1	U	ug/L	WA	< EQL
Bis(2-ethylhexyl) phthalate				1.22	1	J	ug/L	WA	NDD
Bromochloromethane		<10		<5	1	U	ug/L	WA	< EQL
Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
Bromoform	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
Bromomethane (Methyl bromide)	<10	<10	<10	<10	1	U	ug/L	WA	< EQL
Butylbenzyl phthalate				<10.2	1	U	ug/L	WA	< EQL
Cadmium, total recoverable	<4.7	<2	<2	<4	1	U	ug/L	WA	< EQL
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
Chlorobenzene	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
Chlorobenzilate				<10.2	1	U	ug/L	WA	< EQL
Chloroethane	<10	<10	<10	<10	1	U	ug/L	WA	< EQL
Chloroethene (Vinyl chloride)	<10	<10	<10	<10	1	U	ug/L	WA	< EQL
Chloroform	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
Chloromethane (Methyl chloride)	<10	<10	<10	<10	1	U	ug/L	WA	< EQL
Chloroprene	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
Chromium, total recoverable	1.2	1.2	<3	4.1	1	J	ug/L	WA	NDD
Chrysene				<10.2	1	U	ug/L	WA	< EQL
Cobalt, total recoverable		<5		<7	1	U	ug/L	WA	< EQL
Copper, total recoverable		36.9		40.9	1		ug/L	WA	40.9
Di-n-butyl phthalate		<10		<10.2	1	U	ug/L	WA	< EQL
Di-n-octyl phthalate				<10.2	1	U	ug/L	WA	< EQL
Diallate				<10.2	1	U	ug/L	WA	< EQL
Dibenz(a,h)anthracene				<10.2	1	U	ug/L	WA	< EQL
Dibenzofuran				<10.2	1	U	ug/L	WA	< EQL
Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
Dichlorodifluoromethane	<10	<5	<5	<10	1	U	ug/L	WA	< EQL
Dichloromethane (Methylene chloride)	<5.92	<2.7	<2.6	<2.97	1	U	ug/L	WA	< EQL
Diethyl phthalate				<10.2	1	U	ug/L	WA	< EQL
Dimethyl phthalate				<10.2	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 31

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Diphenylamine				<10.2	1	U	ug/L	WA	< EQL
		Ethyl methacrylate				<10.2	1	U	ug/L	WA	< EQL
		Ethyl methanesulfonate				<10.2	1	U	ug/L	WA	< EQL
		Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		Fluoranthene				<10.2	1	U	ug/L	WA	< EQL
		Fluorene				<10.2	1	U	ug/L	WA	< EQL
		Gross alpha	2.6	1.7	7.14	5.99	1		pCi/L	TM	5.99
		Hexachlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorobutadiene				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorocyclopentadiene				<10.2	1	U	ug/L	WA	< EQL
		Hexachloroethane				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorophene				<102	1	U	ug/L	WA	< EQL
		Hexachloropropene				<10.2	1	U	ug/L	WA	< EQL
		Indeno(1,2,3-c,d)pyrene				<10.2	1	U	ug/L	WA	< EQL
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		Iron, total recoverable			77.7	214	1	J	ug/L	WA	NDD
		Isobutyl alcohol	<100	<100	<100	<100	1	U	ug/L	WA	< EQL
		Isophorone				<10.2	1	U	ug/L	WA	< EQL
		Isosafrole				<10.2	1	U	ug/L	WA	< EQL
		Lead, total recoverable	<47	<19.3	3.4	<17	1	U	ug/L	WA	< EQL
		Mercury, total recoverable	<.7	<.2	<.2	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<5	<10	1	U	ug/L	WA	< EQL
		Methapyrilene				<10.2	1	U	ug/L	WA	< EQL
		Methyl ethyl ketone	<10	<10	<10	<2.27	1	J	ug/L	WA	NDD
		Methyl isobutyl ketone	<10	<12	<12	<10	1	U	ug/L	WA	< EQL
		Methyl methacrylate		<5	<5	<10.2	1	U	ug/L	WA	< EQL
		Methyl methanesulfonate				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodi-n-butylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodiethylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodimethylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodiphenylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodipropylamine				<10.2	1	UJ	ug/L	WA	< EQL
		N-Nitrosomethylethylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosomorpholine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosopiperidine				<51	1	U	ug/L	WA	< EQL
		N-Nitrosopyrrolidine				<10.2	1	U	ug/L	WA	< EQL
		Naphthalene				<10.2	1	U	ug/L	WA	< EQL
		Nickel, total recoverable		<5		1.6	1	J	ug/L	WA	NDD
		Nitrobenzene				<10.2	1	U	ug/L	WA	< EQL
		Pentachlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		Pentachloroethane				<10.2	1	U	ug/L	WA	< EQL
		Pentachloronitrobenzene				<51	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 31

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Pentachlorophenol				<25.5	1	U	ug/L	WA	< EQL
		Phenacetin				<10.2	1	U	ug/L	WA	< EQL
		Phenanthrene				<10.2	1	U	ug/L	WA	< EQL
		Phenol				<10.2	1	U	ug/L	WA	< EQL
		Pronamid				<10.2	1	U	ug/L	WA	< EQL
		Propionitrile	<50	<5	<5	<50	1	U	ug/L	WA	< EQL
		Pyrene				<10.2	1	U	ug/L	WA	< EQL
		Pyridine				<10.2	1	U	ug/L	WA	< EQL
		Safrole				<10.2	1	U	ug/L	WA	< EQL
		Selenium, total recoverable	<66	<5	<5	<36	1	U	ug/L	WA	< EQL
		Silver, total recoverable	<5	<2	<2	<5	1	U	ug/L	WA	< EQL
		Specific conductance		23.7		17.5	1		uS/cm	WA	17.5
		Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Thallium, total recoverable		<5		<28	1	U	ug/L	WA	< EQL
		Toluene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	+	Trichlorofluoromethane	<5	12	28	39.9	1		ug/L	EX	39.9
		Tritium	1.72	<1330	<.87	<.54	1	UI	pCi/ml	TM	< EQL
		Unknown		<5.02							
		Unknown 12		<5.91							
		Unknown 13		<4.42							
		Unknown 14		<10.72							
		Vanadium, total recoverable		.5		<6	1	U	ug/L	WA	< EQL
		Vinyl acetate	<10	<5	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	<5	<5	<5	<10	1	U	ug/L	EX	< EQL
		Zinc, total recoverable		76.1		25.9	1		ug/L	WA	25.9
		a,a-Dimethylphenethylamine				<10.2	1	U	ug/L	WA	< EQL
		beta-Benzene hexachloride		<.015		<.052	1	U	ug/L	GC	< EQL
		cis-1,2-Dichloroethylene		<5		<5	1	U	ug/L	WA	< EQL
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		m-Cresol (3-Methylphenol)				<10.2	1	U	ug/L	WA	< EQL
		m-Nitroaniline				<25.5	1	U	ug/L	WA	< EQL
		o-Cresol (2-Methylphenol)				<10.2	1	U	ug/L	WA	< EQL
		o-Nitroaniline				<25.5	1	U	ug/L	WA	< EQL
		o-Toluidine				<10.2	1	U	ug/L	WA	< EQL
		p-Cresol (4-Methylphenol)				<10.2	1	U	ug/L	WA	< EQL
		p-Dimethylaminoazobenzene				<10.2	1	U	ug/L	WA	< EQL
		p-Nitroaniline				<25.5	1	U	ug/L	WA	< EQL
		p-Phenylenediamine				<10.2	1	U	ug/L	WA	< EQL
	*	pH		5.65		5.37	1	J	pH	WA	NDD
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 31

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	WA	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 32

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 85836.8	33.289 Deg N	165.3 - 144.3 ft msl	223.7 ft msl	4" PVC	S	U Steed Pond
E 44935.9	81.715 Deg W					

SAMPLE DATE 02/02/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		160.6			ft msl
Depth to water		60.7			ft
pH		4.1			pH
Sp. Conductance		29			uS/cm
Water temperature		18.3			deg. C
Alkalinity as CaCO3		0			mg/L
Turbidity		.3			NTU
Volumes purged		4.97261			well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		12							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		4.5							
		1,1-Dichloroethylene		1.2							
		1,2,3-Trichloropropane		<5							
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,4-Dichlorobenzene		<5							
		2-Hexanone		<10							
		Acetone		<10							
		Acetonitrile (Methyl cyanide)		<20							
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Antimony, total recoverable		<5							
		Arsenic, total recoverable		<8							
		Barium, total recoverable		10.6							
		Benzene		<5							
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 32

ANALYTICAL DATA

H ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
	Bromoform		<5							
	Bromomethane (Methyl bromide)		<10							
	Cadmium, total recoverable		<2							
	Carbon disulfide		<5							
	Carbon tetrachloride		<5							
	Chlorobenzene		<5							
	Chloroethane		<10							
	Chloroethene (Vinyl chloride)		<10							
	Chloroform		<5							
	Chloromethane (Methyl chloride)		<10							
	Chloroprene		<5							
	Chromium, total recoverable		<3							
	Cobalt, total recoverable		<5							
	Copper, total recoverable		4.5							
	Di-n-butyl phthalate		<.79							
	Dibromochloromethane		<5							
	Dibromomethane (Methylene bromide)		<5							
	Dichlorodifluoromethane		1.2							
	Dichloromethane (Methylene chloride)		<6.2							
	Ethylbenzene		<5							
	Iodomethane (Methyl iodide)		<5							
	Isobutyl alcohol		<100							
	Lead, total recoverable		3.4							
	Methacrylonitrile		<5							
	Methyl ethyl ketone		<10							
	Methyl isobutyl ketone		<12							
	Methyl methacrylate		<5							
	Nickel, total recoverable		<5							
	Propionitrile		<5							
	Selenium, total recoverable		<5							
	Silver, total recoverable		<2							
	Specific conductance		25.9							
	Styrene		<5							
	Tetrachloroethylene		<5							
	Thallium, total recoverable		<5							
	Toluene		<5							
	Trichloroethylene		1.6							
	Trichlorofluoromethane		250							
	Tritium		1950							
	Unknown		<42.7							
	Unknown 4		<30.16							
	Vanadium, total recoverable		.5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 32

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Vinyl acetate		<5							
		Xylenes		<5							
		Zinc, total recoverable		11.4							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		pH		5.02							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 32C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 85837.8	33.289 Deg N	113.6 - 98.6 ft msl	223.6 ft msl	2 "PVC	V	M Steed Pond
E 44923.0	81.715 Deg W					

SAMPLE DATE 02/06/98 09/26/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		158.65		160.21	ft msl
Depth to water		61.45		59.89	ft
pH		5.2		4.9	pH
Sp. Conductance		31		28	uS/cm
Water temperature		18.2		19.7	deg. C
Alkalinity as CaCO3		2			mg/L
Turbidity		8.3		1.1	NTU
Volumes purged		4.22176		2.52855	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		<5							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		<5							
		1,1-Dichloroethylene		<5							
		1,2,3-Trichloropropane		<5							
		1,2,4,5-Tetrachlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,2,4-Trichlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5		<10.2	1	U	ug/L	WA	< EQL
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,3,5-Trinitrobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,3-Dichlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,3-Dinitrobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,4-Dichlorobenzene		<5		<10.2	1	U	ug/L	WA	< EQL
		1,4-Dioxane				<10.2	1	U	ug/L	WA	< EQL
		1,4-Naphthoquinone				<10.2	1	U	ug/L	WA	< EQL
		1-Naphthylamine				<10.2	1	U	ug/L	WA	< EQL
		2,3,4,6-Tetrachlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,4,5-Trichlorophenol				<25.5	1	U	ug/L	WA	< EQL
		2,4,6-Trichlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,4-Dichlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,4-Dimethyl phenol				<10.2	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 32C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		2,4-Dinitrophenol				<25.5	1	U	ug/L	WA	< EQL
		2,4-Dinitrotoluene				<10.2	1	U	ug/L	WA	< EQL
		2,6-Dichlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,6-Dinitrotoluene				<10.2	1	U	ug/L	WA	< EQL
		2-Acetylaminofluorene				<10.2	1	U	ug/L	WA	< EQL
		2-Chloronaphthalene				<10.2	1	U	ug/L	WA	< EQL
		2-Chlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2-Hexanone		<10							
		2-Methyl-4,6-dinitrophenol				<25.5	1	U	ug/L	WA	< EQL
		2-Methylnaphthalene				<10.2	1	U	ug/L	WA	< EQL
		2-Naphthylamine				<10.2	1	U	ug/L	WA	< EQL
		2-Nitrophenol				<10.2	1	U	ug/L	WA	< EQL
		2-Picoline				<10.2	1	U	ug/L	WA	< EQL
		2-sec-Butyl-4,6-dinitrophenol				<51	1	U	ug/L	WA	< EQL
		3,3''-Dichlorobenzidine				<10.2	1	U	ug/L	WA	< EQL
		3,3''-Dimethylbenzidine				<10.2	1	U	ug/L	WA	< EQL
		3-Methylcholanthrene				<10.2	1	U	ug/L	WA	< EQL
		4-Aminobiphenyl				<10.2	1	U	ug/L	WA	< EQL
		4-Bromophenyl phenyl ether				<10.2	1	U	ug/L	WA	< EQL
		4-Chloro-m-cresol				<10.2	1	U	ug/L	WA	< EQL
		4-Chloroaniline				<10.2	1	U	ug/L	WA	< EQL
		4-Chlorophenyl phenyl ether				<10.2	1	U	ug/L	WA	< EQL
		4-Nitrophenol				<25.5	1	U	ug/L	WA	< EQL
		4-Nitroquinoline-1-oxide				<20.4	1	U	ug/L	WA	< EQL
		5-Nitro-o-toluidine				<10.2	1	U	ug/L	WA	< EQL
		7,12-Dimethylbenz(a)anthracene				<10.2	1	U	ug/L	WA	< EQL
		Acenaphthene				<10.2	1	U	ug/L	WA	< EQL
		Acenaphthylene				<10.2	1	U	ug/L	WA	< EQL
		Acetone		<10							
		Acetonitrile (Methyl cyanide)		<20							
		Acetophenone				<10.2	1	U	ug/L	WA	< EQL
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
	+	Aluminum, total recoverable				52.7	1	J	ug/L	WA	NDD
		Aniline				<10.2	1	U	ug/L	WA	< EQL
		Anthracene				<10.2	1	U	ug/L	WA	< EQL
		Antimony, total recoverable		<5		<35	1	U	ug/L	WA	< EQL
		Aramite				<20.4	1	U	ug/L	WA	< EQL
		Arsenic, total recoverable		<8		<28	1	U	ug/L	WA	< EQL
		Barium, total recoverable		7.5		5.5	1		ug/L	WA	5.5
		Benzene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 32C

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
Benzo(a)anthracene				<10.2	1	U	ug/L	WA	< EQL
Benzo(a)pyrene				<10.2	1	U	ug/L	WA	< EQL
Benzo(b)fluoranthene				<10.2	1	U	ug/L	WA	< EQL
Benzo(g,h,i)perylene				<10.2	1	U	ug/L	WA	< EQL
Benzo(k)fluoranthene				<10.2	1	U	ug/L	WA	< EQL
Benzoic acid				<25.5	1	U	ug/L	WA	< EQL
Benzyl alcohol				<10.2	1	U	ug/L	WA	< EQL
Beryllium, total recoverable		<1		<1	1	U	ug/L	WA	< EQL
Bis(2-chloroethoxy) methane				<10.2	1	U	ug/L	WA	< EQL
Bis(2-chloroethyl) ether				<10.2	1	U	ug/L	WA	< EQL
Bis(2-chloroisopropyl) ether				<10.2	1	U	ug/L	WA	< EQL
Bis(2-ethylhexyl) phthalate				<.805	1	U	ug/L	WA	< EQL
Bromochloromethane		<10							
Bromodichloromethane		<5							
Bromoform		<5							
Bromomethane (Methyl bromide)		<10							
Butylbenzyl phthalate				<10.2	1	U	ug/L	WA	< EQL
Cadmium, total recoverable		<2		<4	1	U	ug/L	WA	< EQL
Carbon disulfide		<5							
Carbon tetrachloride		<5							
Chlorobenzene		<5							
Chlorobenzilate				<10.2	1	U	ug/L	WA	< EQL
Chloroethane		<10							
Chloroethene (Vinyl chloride)		<10							
Chloroform		<5							
Chloromethane (Methyl chloride)		<10							
Chloroprene		<5							
Chromium, total recoverable		.6		2.6	1	J	ug/L	WA	NDD
Chrysene				<10.2	1	U	ug/L	WA	< EQL
Cobalt, total recoverable		<5		<7	1	U	ug/L	WA	< EQL
Copper, total recoverable		<3		<3.4	1	U	ug/L	WA	< EQL
Cyanide				<15.2	1	UJ	ug/L	WA	< EQL
Di-n-butyl phthalate		<10		<10.2	1	U	ug/L	WA	< EQL
Di-n-octyl phthalate				<10.2	1	U	ug/L	WA	< EQL
Diallate				<10.2	1	U	ug/L	WA	< EQL
Dibenz(a,h)anthracene				<10.2	1	U	ug/L	WA	< EQL
Dibenzofuran				<10.2	1	U	ug/L	WA	< EQL
Dibromochloromethane		<5							
Dibromomethane (Methylene bromide)		<5							
Dichlorodifluoromethane		<5							
Dichloromethane (Methylene chloride)		<3.9							
Diethyl phthalate				<10.2	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 32C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Dimethoate				<1.02	1	U	ug/L	WA	< EQL
		Dimethyl phthalate				<10.2	1	U	ug/L	WA	< EQL
		Diphenylamine				<10.2	1	U	ug/L	WA	< EQL
		Disulfoton				<1.02	1	U	ug/L	WA	< EQL
		Ethyl methacrylate				<10.2	1	U	ug/L	WA	< EQL
		Ethyl methanesulfonate				<10.2	1	U	ug/L	WA	< EQL
		Ethylbenzene		<5							
		Famphur				<2.65	1	U	ug/L	WA	< EQL
		Fluoranthene				<10.2	1	U	ug/L	WA	< EQL
		Fluorene				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorobutadiene				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorocyclopentadiene				<10.2	1	U	ug/L	WA	< EQL
		Hexachloroethane				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorophene				<102	1	U	ug/L	WA	< EQL
		Hexachloropropene				<10.2	1	U	ug/L	WA	< EQL
		Indeno(1,2,3-c,d)pyrene				<10.2	1	U	ug/L	WA	< EQL
		Iodomethane (Methyl iodide)		<5							
		Iron, total recoverable				152	1	J	ug/L	WA	NDD
		Isobutyl alcohol		<100							
		Isophorone				<10.2	1	U	ug/L	WA	< EQL
		Isosafrole				<10.2	1	U	ug/L	WA	< EQL
		Lead, total recoverable		<5		<17	1	U	ug/L	WA	< EQL
		Mercury, total recoverable				<1	1	U	ug/L	WA	< EQL
		Methacrylonitrile		<5							
		Methapyrilene				<10.2	1	U	ug/L	WA	< EQL
		Methyl ethyl ketone		<10							
		Methyl isobutyl ketone		<12							
		Methyl methacrylate		<5		<10.2	1	U	ug/L	WA	< EQL
		Methyl methanesulfonate				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodi-n-butylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodiethylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodimethylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodiphenylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodipropylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosomethylethylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosomorpholine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosopiperidine				<51	1	U	ug/L	WA	< EQL
		N-Nitrosopyrrolidine				<10.2	1	U	ug/L	WA	< EQL
		Naphthalene				<10.2	1	U	ug/L	WA	< EQL
		Nickel, total recoverable		<5		<15	1	U	ug/L	WA	< EQL
		Nitrobenzene				<10.2	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 32C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		O,O,O-Triethyl phosphorothioate				<1.02	1	U	ug/L	WA	< EQL
		Parathion ethyl				<1.02	1	U	ug/L	WA	< EQL
		Parathion methyl				<1.02	1	U	ug/L	WA	< EQL
		Pentachlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		Pentachloroethane				<10.2	1	U	ug/L	WA	< EQL
		Pentachloronitrobenzene				<51	1	U	ug/L	WA	< EQL
		Pentachlorophenol				<25.5	1	U	ug/L	WA	< EQL
		Phenacetin				<10.2	1	U	ug/L	WA	< EQL
		Phenanthrene				<10.2	1	U	ug/L	WA	< EQL
		Phenol				<10.2	1	U	ug/L	WA	< EQL
		Phorate				<2.04	1	U	ug/L	WA	< EQL
		Pronamid				<10.2	1	U	ug/L	WA	< EQL
		Propionitrile		<5							
		Pyrene				<10.2	1	U	ug/L	WA	< EQL
		Pyridine				<10.2	1	U	ug/L	WA	< EQL
		Safrole				<10.2	1	U	ug/L	WA	< EQL
		Selenium, total recoverable		<5		<36	1	U	ug/L	WA	< EQL
		Silver, total recoverable		<2		<5	1	U	ug/L	WA	< EQL
		Specific conductance		31.6		18.4	1		uS/cm	WA	18.4
		Styrene		<5							
*		Sulfide				<10000	1	UJ	ug/L	WA	< EQL
		Sulfotepp				<2.04	1	U	ug/L	WA	< EQL
		Tetrachloroethylene		<5							
		Thallium, total recoverable		<5		<28	1	U	ug/L	WA	< EQL
		Thionazin				<1.02	1	U	ug/L	WA	< EQL
		Tin, total recoverable				<31	1	U	ug/L	WA	< EQL
		Toluene		<5							
		Trichloroethylene		<5							
		Trichlorofluoromethane		<5							
		Tritium		<690							
		Vanadium, total recoverable		1.1		<6	1	U	ug/L	WA	< EQL
		Vinyl acetate		<5							
		Xylenes		<5							
		Zinc, total recoverable		10.8		26.4	1		ug/L	WA	26.4
		a,a-Dimethylphenethylamine				<10.2	1	U	ug/L	WA	< EQL
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		m-Cresol (3-Methylphenol)				<10.2	1	U	ug/L	WA	< EQL
		m-Nitroaniline				<25.5	1	U	ug/L	WA	< EQL
		o-Cresol (2-Methylphenol)				<10.2	1	U	ug/L	WA	< EQL
		o-Nitroaniline				<25.5	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 32C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		o-Toluidine				<10.2	1	U	ug/L	WA	< EQL
		p-Cresol (4-Methylphenol)				<10.2	1	U	ug/L	WA	< EQL
		p-Dimethylaminoazobenzene				<10.2	1	U	ug/L	WA	< EQL
		p-Nitroaniline				<25.5	1	U	ug/L	WA	< EQL
		p-Phenylenediamine				<10.2	1	U	ug/L	WA	< EQL
*		pH		5.45		5.33	1	J	pH	WA	NDD
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 34

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 85409.5	33.288 Deg N	164.7 - 143.7 ft msl	201.0 ft msl	4"PVC	S	U Steed Pond
E 45016.9	81.714 Deg W					

SAMPLE DATE 02/06/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		158.94			ft msl
Depth to water		39.76			ft
pH		4.3			pH
Sp. Conductance		29			uS/cm
Water temperature		16.1			deg. C
Alkalinity as CaCO3		0			mg/L
Turbidity		.4			NTU
Volumes purged		6.34438			well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		15							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		6.5							
		1,1-Dichloroethylene		2							
		1,2,3-Trichloropropane		<5							
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,4-Dichlorobenzene		<5							
		2-Hexanone		<10							
		Acetone		<5.2							
		Acetonitrile (Methyl cyanide)		<20							
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Antimony, total recoverable		<5							
		Arsenic, total recoverable		<8							
		Barium, total recoverable		7.1							
		Benzene		<5							
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 34

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromoform		<5							
		Bromomethane (Methyl bromide)		<10							
		Cadmium, total recoverable		<2							
		Carbon disulfide		<5							
		Carbon tetrachloride		<5							
		Chlorobenzene		<5							
		Chloroethane		4.5							
		Chloroethene (Vinyl chloride)		<10							
		Chloroform		1.1							
		Chloromethane (Methyl chloride)		<10							
		Chloroprene		<5							
		Chromium, total recoverable		<3							
		Cobalt, total recoverable		<5							
		Copper, total recoverable		4.8							
		Di-n-butyl phthalate		<10							
		Dibromochloromethane		<5							
		Dibromomethane (Methylene bromide)		<5							
		Dichlorodifluoromethane		1.6							
		Dichloromethane (Methylene chloride)		<15							
		Ethylbenzene		<5							
		Iodomethane (Methyl iodide)		<5							
		Isobutyl alcohol		<100							
		Lead, total recoverable		<5							
		Methacrylonitrile		<5							
		Methyl ethyl ketone		<10							
		Methyl isobutyl ketone		<12							
		Methyl methacrylate		<5							
		Nickel, total recoverable		<5							
		Propionitrile		<5							
		Selenium, total recoverable		<5							
		Silver, total recoverable		<2							
		Specific conductance		27.3							
		Styrene		<5							
		Tetrachloroethylene		.82							
		Thallium, total recoverable		<5							
		Toluene		<5							
		Trichloroethylene		3.7							
		Trichlorofluoromethane		160							
		Tritium		1430							
		Unknown		<127.32							
		Unknown 6		<5.67							
		Unknown 7		<11.06							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 34

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Unknown 8		<38.77							
		Vanadium, total recoverable		<2							
		Vinyl acetate		<5							
		Xylenes		<5							
		Zinc, total recoverable		11.2							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		pH		4.87							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 36R

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83537.3 E 45519.1	33.285 Deg N 81.709 Deg W	141.8 - 121.8 ft msl	168.2 ft msl	2" PVC	V	U Steed Pond

SAMPLE DATE 12/01/97 03/16/98 06/10/98 09/15/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	143.61	145.26	144.41	144.46	ft msl
Depth to water	22.55	20.9	21.75	21.7	ft
pH	6.6	6.4	6		pH
Sp. Conductance	160	200	170		uS/cm
Water temperature	19	19	20.8		deg. C
Alkalinity as CaCO3	70	70	73		mg/L
Turbidity	3	1.6	1.4		NTU
Volumes purged	7.90897	5.01169	7.40594		well volumes
Sampling code				NP	

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	5.88	6.3	3.6						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	13.9	25	10						
		2-Hexanone	<10	<10	<10						
		Acetone	<3.38	<10	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			20.3						
		Arsenic, total recoverable	7.7	<8	<8						
		Barium, total recoverable	2.5	2.1	3.8						
		Benzene	<5	.96	.51						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	<2						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998.

WELL: LFW 36R

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	8.64	11	4.7						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	19.6	22	13						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	<7	<3	<3						
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	1.2	.87						
		Dichloromethane (Methylene chloride)	<3.29	<2	<2.4						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	2.99	<-.61	2.73						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			29700						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	8.2	<5	4.3						
		Mercury, total recoverable	<.7	<.2	.06						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Styrene	<5	<5	<5						
		Tetrachloroethylene	<5	<5	<5						
		Toluene	<5	1.1	<5						
		Trichloroethylene	<5	<5	<5						
		Trichlorofluoromethane	1.92	<5	<5						
		Tritium	<3.89	3520	2.79						
		Vinyl acetate	<10	<5	<5						
		Xylenes	<5	1.5	<5						
		cis-1,3-Dichloropropene	<5	<5	<5						
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 41R

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83238.3	33.286 Deg N	140.2 - 120.2 ft msl	169.7 ft msl	2" PVC	V	U Steed Pond
E 46635.3	81.706 Deg W					

SAMPLE DATE 12/04/97 03/12/98 06/08/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	141.6	143.95	142.25		ft msl
Depth to water	26	23.65	25.35		ft
pH	4.6	4.4	5		pH
Sp. Conductance	17	17	20		uS/cm
Water temperature	18	19.9	19.3		deg. C
Alkalinity as CaCO3	0	18	0		mg/L
Turbidity	.2	.3	.2		NTU
Volumes purged	3.63259	2.83059	3.02984		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	1.27	.78	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	2.02	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<7.88	<3.8	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			8.8						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	2.1	2.1	2.7						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	<2						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 41R

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	<5	<5						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	<10	<10	<10						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	1.2	<3	<3						
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	3.39	3.2	2.4						
		Dichloromethane (Methylene chloride)	<24.6	<2.2	<2.1						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	2.46	<-.78	1.89						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			39.6						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	7.7						
		Mercury, total recoverable	<.7	<.2	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Styrene	<5	<5	<5						
		Tetrachloroethylene	<5	<5	<5						
		Toluene	<5	<5	<5						
		Trichloroethylene	1.1	<5	<5						
		Trichlorofluoromethane	6.88	<5	3.9						
		Tritium	<2.14	1730	<.82						
		Unknown		<6.89							
		Vinyl acetate	<10	<5	<5						
		Xylenes	<5	<5	<5						
		cis-1,3-Dichloropropene	<5	<5	<5						
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998.

WELL: LFW 43B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 86459.2	33.291 Deg N	100.4 - 90.4 ft msl	203.0 ft msl	4" PVC	S	M Steed Pond
E 45240.5	81.716 Deg W					

SAMPLE DATE 12/08/97 03/16/98 06/08/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	161.75	165.54	165.8		ft msl
Depth to water	39.25	35.46	35.2		ft
pH	5	5.4	5.2		pH
Sp. Conductance	18	20	19		uS/cm
Water temperature	20	16	18.7		deg. C
Alkalinity as CaCO3	3	1	1		mg/L
Turbidity	.9	.5	.9		NTU
Volumes purged	2.82641	3.77442	3.99808		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichlorobenzene	<1	<5							
		1,2-Dichloroethane	<5	<7.5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,3-Dichlorobenzene	<1								
		1,4-Dichlorobenzene	<5	<5	<5						
		1,4-Dioxane	<1								
		2-Hexanone	<10	<10	<10						
		2-Picoline	<1								
		Acetone	<10	<10	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			13.2						
		Antimony, total recoverable		<5							
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	3.8	3.7	4.2						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 43B

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Benzene	<5	<5	<5						
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	.3						
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	<5	<5						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	<10	<10	<10						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	<7	<3	<3						
		Cobalt, total recoverable		<5							
		Copper, total recoverable		<3							
		Di-n-butyl phthalate		<10							
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	<5	<5						
		Dichloromethane (Methylene chloride)	<5.48	<3.4	<1.9						
		Ethyl methacrylate	<1								
		Ethylbenzene	<5	<5	<5						
		Gross alpha	2.73	<-.36	2.73						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			18.7						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	<5						
		Mercury, total recoverable	<.7	<.2	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate	<1	<5	<5						
		Nickel, total recoverable		<5							
		Pentachloroethane	<1								
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Specific conductance		17.4							
		Styrene	<5	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 43B

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
Tetrachloroethylene	<5	<5	<5						
Thallium, total recoverable		<5							
Toluene	<5	<5	<5						
Trichloroethylene	<5	<5	<5						
Trichlorofluoromethane	<5	<5	<5						
Tritium	.99	<1160	<.27						
Vanadium, total recoverable		<2							
Vinyl acetate	<10	<5	<5						
Xylenes	<5	<5	<5						
Zinc, total recoverable		<10							
beta-Benzene hexachloride		<.015							
cis-1,2-Dichloroethylene		<5							
cis-1,3-Dichloropropene	<5	<5	<5						
pH		5.27							
trans-1,2-Dichloroethylene	<5								
trans-1,3-Dichloropropene	<5	<5	<5						
trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998.

WELL: LFW 43C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 86480.6	33.291 Deg N	138.5 - 128.5 ft msl	202.6 ft msl	4" PVC	S	U Steed Pond
E 45234.9	81.716 Deg W					

SAMPLE DATE	12/05/97	03/16/98	06/08/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	161.8	165.7	166.05		ft msl
Depth to water	38.7	34.8	34.45		ft
pH	4.8	5	5.2		pH
Sp. Conductance	20	20	16		uS/cm
Water temperature	21	16	18.6		deg. C
Alkalinity as CaCO3	0	1	0		mg/L
Turbidity	1	.5	.2		NTU
Volumes purged	5.21049	6.86557	3.61394		well volumes
Sampling code	tS				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichlorobenzene		<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,3-Dichlorobenzene			<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		1,4-Dioxane			<1000						
		2-Chloroethyl vinyl ether		<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<10	<10	<10						
		Acetonitrile (Methyl cyanide)	<20	<200	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			<7.3						
		Antimony, total recoverable		<5							
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	3.4	6.2	<6.8						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 43C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Benzene	<5	<5	<5						
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	<2						
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	<5	<5						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	<10	<10	<10						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	.96	<3	<3						
		Cobalt, total recoverable		<5							
		Copper, total recoverable		1.2							
		Di-n-butyl phthalate		<.7							
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	<5	<5						
		Dichloromethane (Methylene chloride)	<3.92	<2.4	<2.3						
		Ethyl methacrylate			<10						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	2.35	4.47	3.59						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			<10.8						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	3.7	<4.8						
		Mercury, total recoverable	<.7	<.2	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Nickel, total recoverable		<5							
		Pentachloroethane			<20						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Specific conductance		16.6							
		Styrene	<5	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 43C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Tetrachloroethylene	<5	<5	<5						
		Thallium, total recoverable		<5							
		Toluene	<5	<5	<5						
		Trichloroethylene	<5	<5	<5						
		Trichlorofluoromethane	<5	<5	<5						
		Tritium	1.3	1590	<0						
		Unknown		<6.05							
		Vanadium, total recoverable		<2							
		Vinyl acetate	<10	<10	<5						
		Xylenes	<5	<10	<5						
		Zinc, total recoverable		10.8							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5	<5						
		cis-1,3-Dichloropropene	<5	<5	<5						
		pH		5.39							
		trans-1,2-Dichloroethylene	<5	<5	<5						
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 43D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 86443.2	33.291 Deg N	170.9 - 150.9 ft msl	202.9 ft msl	4"PVC	S	U Steed Pond
E 45244.5	81.716 Deg W					

SAMPLE DATE	12/05/97	03/16/98	06/09/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	162.1	167.98	164.6		ft msl
Depth to water	38.8	32.92	36.3		ft
pH	5	5.2	4.8		pH
Sp. Conductance	12	16	18		uS/cm
Water temperature	20	16	19.1		deg. C
Alkalinity as CaCO3	2	1	0		mg/L
Turbidity	.8	.6	.6		NTU
Volumes purged	8.89228	11.1054	8.54435		well volumes
Sampling code	tS				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<9.01	<10	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			<20.9						
		Antimony, total recoverable		<5							
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	6.9	6.6	<7.4						
		Benzene	<5	<5	<5						
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 43D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	<.3						
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	<5	<5						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	<10	<10	<10						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	.88	<3	<3						
		Cobalt, total recoverable		<5							
		Copper, total recoverable		2.4							
		Di-n-butyl phthalate		<.67							
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	<5	<5						
		Dichloromethane (Methylene chloride)	<14.8	<3.2	<1.8						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	1.06	<.51	2.05						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			<17						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<6.7	<5						
		Mercury, total recoverable	<.7	<.2	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Nickel, total recoverable		<5							
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Specific conductance		11.6							
		Styrene	<5	<5	<5						
		Tetrachloroethylene	<5	<5	<5						
		Thallium, total recoverable		<5							
		Toluene	<5	<5	<5						
		Trichloroethylene	<5	<5	<5						
		Trichlorofluoromethane	<5	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 43D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Tritium	.97	<853	<1.26						
		Vanadium, total recoverable		.4							
		Vinyl acetate	<10	<5	<5						
		Xylenes	<5	<5	<5						
		Zinc, total recoverable		9.3							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene	<5	<5	<5						
		pH		5.42							
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 45D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 84217.8	33.286 Deg N	154.7 - 134.7 ft msl	166.3 ft msl	4" PVC	S	U Steed Pond
E 45142.0	81.712 Deg W					

SAMPLE DATE	12/04/97	03/12/98	06/09/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	150.1	152.56	151.4		ft msl
Depth to water	14.3	11.84	13		ft
pH	4.2	5.5	4.8		pH
Sp. Conductance	46	42	42		uS/cm
Water temperature	19	12.7	19.2		deg. C
Alkalinity as CaCO3	0	5	0		mg/L
Turbidity	1.3	1.5	.7		NTU
Volumes purged	7.22543	6.01733	13.1130		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<10	<10	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			29.8						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	12.6	11	12.8						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	<2						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 45D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	<5	<5						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	<10	<10	<10						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	3.5	<3	<3						
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	<5	<5						
		Dichloromethane (Methylene chloride)	<6.61	<2.3	<3						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	6.56	<1.59	8.58						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			33						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	9.3						
		Mercury, total recoverable	<.7	.13	.13						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Styrene	<5	<5	<5						
		Tetrachloroethylene	<5	<5	<5						
		Toluene	<5	<5	<5						
		Trichloroethylene	<5	<5	<5						
		Trichlorofluoromethane	2.09	2	.89						
		Tritium	<1.55	1410	<1.12						
		Vinyl acetate	<10	<5	<5						
		Xylenes	<5	<5	<5						
		cis-1,3-Dichloropropene	<5	<5	<5						
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 47D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83838.6	33.285 Deg N	154.7 - 134.9 ft msl	161.7 ft msl	4"PVC	S	U Steed Pond
E 45150.8	81.711 Deg W					

SAMPLE DATE	12/04/97	03/12/98	06/09/98	09/30/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	147	148.85	147.6	147.58	ft msl
Depth to water	12.7	10.85	12.1	12.12	ft
pH	4.4	5.8	5	4.8	pH
Sp. Conductance	40	21	38	53	uS/cm
Water temperature	18	13.1	19.1	22.9	deg. C
Alkalinity as CaCO3	0	1	2	1	mg/L
Turbidity	.7	.6	.8	.6	NTU
Volumes purged	5.83809	2.00703	7.25900	2.90756	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,1-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<10	<5.3	<10	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<10	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<20	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			24.2	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	<40	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	19.8	11.5	15.3	23	1		ug/L	EX	23
		Benzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 47D

ANALYTICAL DATA

H ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
	Bromoform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Bromomethane (Methyl bromide)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
	Cadmium, total recoverable	<4.7	<2	<2	<10	1	U	ug/L	EX	< EQL
	Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Chlorobenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Chloroethane	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
	Chloroethene (Vinyl chloride)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
	Chloroform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Chloromethane (Methyl chloride)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
	Chloroprene	<5	<5	<5	<50	1	U	ug/L	EX	< EQL
	Chromium, total recoverable	<7	<3	<3	24	1		ug/L	EX	24
	Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Dichlorodifluoromethane	<10	<5	<5	<5	1	U	ug/L	EX	< EQL
	Dichloromethane (Methylene chloride)	<6.52	<2.1	<2.7	<10	1	U	ug/L	EX	< EQL
	Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
	Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Gross alpha	1.23	<-.98	.95	1.02	1		pCi/L	TM	1.02
	Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Iron, total recoverable			18.8	151	1	J	ug/L	EX	NDD
	Isobutyl alcohol	<100	<100	<100	<1500	1	U	ug/L	EX	< EQL
	Lead, total recoverable	<47	<5	4.4	<100	1	U	ug/L	EX	< EQL
	Mercury, total recoverable	<.7	<.2	<.2	<.5	1	U	ug/L	EX	< EQL
	Methacrylonitrile	<10	<5	<5	<500	1	U	ug/L	EX	< EQL
	Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
	Methyl isobutyl ketone	<10	<12	<12	<5	1	U	ug/L	EX	< EQL
	Methyl methacrylate		<5	<5	<50	1	U	ug/L	EX	< EQL
	Pentachloroethane				<200	1	U	ug/L	EX	< EQL
	Propionitrile	<50	<5	<5	<500	1	U	ug/L	EX	< EQL
	Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
	Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
	Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Tetrachloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Toluene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Trichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Trichlorofluoromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	Tritium	<.87	938	2.12	<1.18	1	UI	pCi/ml	TM	< EQL
	Vinyl acetate	<10	<5	<5	<20	1	U	ug/L	EX	< EQL
	Xylenes	<5	<5	<5	<10	1	U	ug/L	EX	< EQL
	cis-1,2-Dichloroethylene				<5	1	U	ug/L	EX	< EQL
	cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 47D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded *holding time for fourth quarter 1998*.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 48C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83856.4 E 45413.3	33.285 Deg N 81.710 Deg W	118.2 - 108.2 ft msl	169.3 ft msl	4" PVC	S	M Steed Pond

SAMPLE DATE 12/04/97

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	147.01				ft msl
Depth to water	20.19				ft
pH	5.2				pH
Sp. Conductance	40				uS/cm
Water temperature	18				deg. C
Alkalinity as CaCO3	5				mg/L
Turbidity	.4				NTU
Volumes purged	5.17942				well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5								
		1,1,1-Trichloroethane	<5								
		1,1,2,2-Tetrachloroethane	<5								
		1,1,2-Trichloroethane	<5								
		1,1-Dichloroethane	4.22								
		1,1-Dichloroethylene	<5								
		1,2,3-Trichloropropane	<5								
		1,2-Dibromo-3-chloropropane	<5								
		1,2-Dibromoethane	<5								
		1,2-Dichloroethane	<5								
		1,2-Dichloropropane	<5								
		1,4-Dichlorobenzene	5.94								
		2-Hexanone	<10								
		Acetone	<7.41								
		Acetonitrile (Methyl cyanide)	<20								
		Acrolein	<20								
		Acrylonitrile	<5								
		Allyl chloride	<10								
		Arsenic, total recoverable	<40								
		Barium, total recoverable	29.5								
		Benzene	<5								
		Bromodichloromethane	<5								
		Bromoform	<5								
		Bromomethane (Methyl bromide)	<10								
		Cadmium, total recoverable	<4.7								
		Carbon disulfide	<5								

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 48C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon tetrachloride	<5								
		Chlorobenzene	<5								
		Chloroethane	<10								
		Chloroethene (Vinyl chloride)	1.61								
		Chloroform	<5								
		Chloromethane (Methyl chloride)	<10								
		Chloroprene	<5								
		Chromium, total recoverable	<7								
		Dibromochloromethane	<5								
		Dibromomethane (Methylene bromide)	<5								
		Dichlorodifluoromethane	<10								
		Dichloromethane (Methylene chloride)	<7.47								
		Ethylbenzene	<5								
		Gross alpha	3.88								
		Iodomethane (Methyl iodide)	<5								
		Isobutyl alcohol	<100								
		Lead, total recoverable	<47								
		Mercury, total recoverable	1.59								
		Methacrylonitrile	<10								
		Methyl ethyl ketone	<10								
		Methyl isobutyl ketone	<10								
		Propionitrile	<50								
		Selenium, total recoverable	<66								
		Silver, total recoverable	<5								
		Styrene	<5								
		Tetrachloroethylene	<5								
		Toluene	<5								
		Trichloroethylene	<5								
		Trichlorofluoromethane	<5								
		Tritium	3.23								
		Vinyl acetate	<10								
		Xylenes	<5								
		cis-1,3-Dichloropropene	<5								
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5								
		trans-1,4-Dichloro-2-butene	<20								

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 56D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83398.0	33.284 Deg N	151.4 - 131.3 ft msl	158.1 ft msl	4"PVC	S	U Steed Pond
E 45306.6	81.709 Deg W					

SAMPLE DATE	12/03/97	03/12/98	06/09/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	142.84	143.88	143.3		ft msl
Depth to water	13.06	12.02	12.6		ft
pH	4.2	4.6	4.9		pH
Sp. Conductance	20	22	22		uS/cm
Water temperature	17	15.2	18		deg. C
Alkalinity as CaCO3	0	1	0		mg/L
Turbidity	.7	6.2	1.4		NTU
Volumes purged	13.6463	5.15694	6.97784		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<10	<3.2	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			83.1						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	7	5.1	6.4						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	<2						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 56D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	<5	<5						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	<10	<10	<10						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	.8	.7	<3						
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	<5	<5						
		Dichloromethane (Methylene chloride)	<7.62	<2.2	<1.8						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	1.49	<-.33	2.15						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			330						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	6.2	<5						
		Mercury, total recoverable	<.7	<.2	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Styrene	<5	<5	<5						
		Tetrachloroethylene	<5	<5	<5						
		Toluene	<5	<5	<5						
		Trichloroethylene	<5	<5	<5						
		Trichlorofluoromethane	<5	<5	<5						
		Tritium	1.3	1080	1.58						
		Vinyl acetate	<10	<5	<5						
		Xylenes	<5	<5	<5						
		cis-1,3-Dichloropropene	<5	<5	<5						
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 58D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82940.6	33.284 Deg N	147.6 - 127.5 ft msl	167.6 ft msl	4" PVC	S	U Steed Pond
E 45700.2	81.708 Deg W					

SAMPLE DATE	12/02/97	03/16/98	06/08/98	09/14/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	139.7	141.15	140.08	140.09	ft msl
Depth to water	25.9	24.45	25.52	25.51	ft
pH	5.2		5.4	5.6	pH
Sp. Conductance	140		250	280	uS/cm
Water temperature	14		21.5	23.8	deg. C
Alkalinity as CaCO3	24		40	47	mg/L
Turbidity	8.8		4.1	2.7	NTU
Volumes purged	.107351		3.65937	13.1647	well volumes
Sampling code	NX				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5		<5						
		1,1,1-Trichloroethane	4.28		2.8	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5		<5	<5	1	U	ug/L	EX	< EQL
	+	1,1-Dichloroethane	67.7		130	92.3	1		ug/L	EX	92.3
		1,1-Dichloroethylene	1.96		3.7	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5		<5						
		1,2-Dibromo-3-chloropropane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				2.84	1	J	ug/L	EX	NDD
		1,2-Dichloroethane	<5		4.7	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	1.59		<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
	+	1,4-Dichlorobenzene	34.2		170	173	1		ug/L	EX	173
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10		<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<10		<5.8	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20		<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20		<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5		<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10		<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			630	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	6.1		<8	47.7	1	J	ug/L	EX	NDD
		Barium, total recoverable	5.9		5.3	6.67	1	J	ug/L	EX	NDD
	+	Benzene	3.94		24	13.3	1		ug/L	EX	13.3
		Bromodichloromethane	<5		<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 58D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromoform	<5		<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10		3.6	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7		<2	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5		1.6	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5		<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	4.93		22	21.7	1		ug/L	EX	21.7
		Chloroethane	2.36		6.7	<10	1	U	ug/L	EX	< EQL
	+	Chloroethene (Vinyl chloride)	7.95		40	15.1	1		ug/L	EX	15.1
		Chloroform	<5		<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<10		<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5		<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<2.8		.9	<10	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5		<5	<5	1	U	ug/L	EX	< EQL
	+	Dichlorodifluoromethane	24.6		15	27.7	1		ug/L	EX	27.7
	+	Dichloromethane (Methylene chloride)	<21.5		<16	8.6	1	J	ug/L	EX	NDD
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	<5		.61	<5	1	U	ug/L	EX	< EQL
		Gross alpha	3.59		3.33	8.36	1	J	pCi/L	TM	NDD
		Iodomethane (Methyl iodide)	<5		11	<5	1	U	ug/L	EX	< EQL
	+	Iron, total recoverable			7980	17900	1		ug/L	EX	17900
		Isobutyl alcohol	<100		<100						
		Lead, total recoverable	<47		11.9	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7		.05	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10		<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<10		<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<10		<12	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate			<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50		<5						
		Selenium, total recoverable	<66		<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5		<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5		<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	5.25		2.6	3.47	1	J	ug/L	EX	NDD
		Toluene	<5		.83	<5	1	U	ug/L	EX	< EQL
	+	Trichloroethylene	13.4		16	16.2	1		ug/L	EX	16.2
	+	Trichlorofluoromethane	17.5		34	33.9	1		ug/L	EX	33.9
		Tritium	8.35		16.76	18.16	1		pCi/ml	TM	18.16
		Vinyl acetate	<10		<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	11.4		14	11.8	1		ug/L	EX	11.8
		cis-1,2-Dichloroethylene				21.9	1		ug/L	EX	21.9
		cis-1,3-Dichloropropene	<5		<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 58D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5		<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20		<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 59D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83000.1	33.284 Deg N	149.3 - 129.3 ft msl	167.6 ft msl	4" PVC	S	U Steed Pond
E 46056.1	81.707 Deg W					

SAMPLE DATE	12/01/97	03/16/98	06/08/98	09/15/98	
FIELD DATA					
Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	141.2	129.4	141.61	142.33	ft msl
Depth to water	24.1	35.9	23.69	22.97	ft
pH	4.2	4.8	4.2	4.8	pH
Sp. Conductance	26	20	23	22	uS/cm
Water temperature	20	21.7	21	20.2	deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	3.1	5.2	1.6	5.6	NTU
Volumes purged	8.26606	29.2175	10.7469	5.46911	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethane	1.34	1	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Chloroethyl vinyl ether		<5							
		2-Hexanone	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<3.92	<10	<10	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<200	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<10	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<10	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
	+	Aluminum, total recoverable			145	119	1	J	ug/L	EX	NDD
		Arsenic, total recoverable	4.5	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	5.6	3.9	5.2	5.22	1	J	ug/L	EX	NDD
		Benzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 59D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromoform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	<2	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chloroethane	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Chloroethene (Vinyl chloride)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Chloroform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5	<5	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<1.1	1.6	<3	<7.37	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dichlorodifluoromethane	1.72	<5	<5	3.17	1	J	ug/L	EX	NDD
		Dichloromethane (Methylene chloride)	<3.14	<2.5	<3	<10	1	U	ug/L	EX	< EQL
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Gross alpha	2.64	1.13	1.47	2.86	1		pCi/L	TM	2.86
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	+	Iron, total recoverable			195	358	1		ug/L	EX	358
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	<5	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	<.2	<.2	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<10	<10	<12	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate		<5	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	12.4	1	J	ug/L	EX	NDD
		Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	<5	.81	<5	<5	1	U	ug/L	EX	< EQL
		Toluene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichloroethylene	<5	.62	<5	<5	1	U	ug/L	EX	< EQL
		Trichlorofluoromethane	1.94	3	<5	<5	1	U	ug/L	EX	< EQL
		Tritium	<20.54	.94	<.18	<1.44	1	UI	pCi/ml	TM	< EQL
		Vinyl acetate	<10	<10	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	<5	<10	<5	<10	1	U	ug/L	EX	< EQL
		cis-1,2-Dichloroethylene				<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 59D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,2-Dichloroethylene	<5	<5		<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 60C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82529.6	33.283 Deg N	108.3 - 98.3 ft msl	157.2 ft msl	2" PVC	V	M Steed Pond
E 45711.9	81.707 Deg W					

SAMPLE DATE	12/02/97	03/16/98	06/05/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	135.6	136.53	135.8		ft msl
Depth to water	19.5	18.57	19.3		ft
pH	5.2	6.2	5.6		pH
Sp. Conductance	89	74	84		uS/cm
Water temperature	17	19	20.8		deg. C
Alkalinity as CaCO3	24	20	20		mg/L
Turbidity	4	1.5	2.7		NTU
Volumes purged	2.78569	9.52508	10.4706		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	12.7	9.3	13						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	8.01	7.3	11						
		2-Hexanone	<10	<10	<10						
		Acetone	<5.3	<10	<3.5						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			6						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	7.1	5.2	5.2						
		Benzene	<5	.55	.79						
		Bromodichloromethane	<5	2.9	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	<2						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 60C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	1.4	1.5	2.6						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	2.87	4.1	5.7						
		Chloroform	<5	2.6	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	<1.3	.6	<3						
		Dibromochloromethane	<5	1.7	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	1.6	<5	1.6						
		Dichloromethane (Methylene chloride)	<8.42	<2.6	<2.6						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	1.34	<-.81	1.35						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			3760						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	7.9	6.4						
		Mercury, total recoverable	<.7	<.2	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Styrene	<5	<5	<5						
		Tetrachloroethylene	<5	<5	<5						
		Toluene	<5	<5	.71						
		Trichloroethylene	2	1.2	1.7						
		Trichlorofluoromethane	3.8	<5	2.9						
		Tritium	2.38	1870	1.64						
		Vinyl acetate	<10	<5	<5						
		Xylenes	1.3	1.2	4						
		cis-1,3-Dichloropropene	<5	<5	<5						
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 60D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82531.5	33.283 Deg N	143.8 - 123.8 ft msl	157.1 ft msl	4"PVC	S	U Steed Pond
E 45722.3	81.707 Deg W					

SAMPLE DATE	12/04/97	03/16/98	06/09/98	09/16/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	136.2	137.5	136.32	136.72	ft msl
Depth to water	19	17.7	18.88	18.48	ft
pH	4.6	5.2	4.4	4.8	pH
Sp. Conductance	50	20	20	28	uS/cm
Water temperature	17	19	18.5	19.7	deg. C
Alkalinity as CaCO3	0	4	1	1	mg/L
Turbidity	8.5	.8	12.8	2	NTU
Volumes purged	.106601	5.66760	.105714	.205721	well volumes
Sampling code	NX		NVX	NX	

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5		<5						
		1,1,1-Trichloroethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethane	18.1		3.8	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethylene	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5		<5						
		1,2-Dibromo-3-chloropropane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10		<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<10		<10	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20		<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20		<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5		<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10		<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			649	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	<40	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	10.1	4.7	5.8	<10	1	U	ug/L	EX	< EQL
		Benzene	<5		<5	<5	1	U	ug/L	EX	< EQL
		Bromodichloromethane	<5		<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998.

WELL: LFW 60D

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
Bromoform	<5		<5	<5	1	U	ug/L	EX	< EQL
Bromomethane (Methyl bromide)	<10		<10	<5	1	U	ug/L	EX	< EQL
Cadmium, total recoverable	<4.7	<2	<2	<10	1	U	ug/L	EX	< EQL
Carbon disulfide	1.89		<5	<5	1	U	ug/L	EX	< EQL
Carbon tetrachloride	<5		<5	<5	1	U	ug/L	EX	< EQL
Chlorobenzene	<5		<5	<5	1	U	ug/L	EX	< EQL
Chloroethane	<10		<10	<10	1	U	ug/L	EX	< EQL
Chloroethene (Vinyl chloride)	<10		<10	<5	1	U	ug/L	EX	< EQL
Chloroform	<5		<5	<5	1	U	ug/L	EX	< EQL
Chloromethane (Methyl chloride)	<10		<10	<5	1	U	ug/L	EX	< EQL
Chloroprene	<5		<5	<50	1	U	ug/L	EX	< EQL
Chromium, total recoverable	2.6	<3	<3	<10	1	U	ug/L	EX	< EQL
Dibromochloromethane	<5		<5	<5	1	U	ug/L	EX	< EQL
Dibromomethane (Methylene bromide)	<5		<5	<5	1	U	ug/L	EX	< EQL
Dichlorodifluoromethane	5.63		<5	<5	1	U	ug/L	EX	< EQL
Dichloromethane (Methylene chloride)	<7.77		<3.1	<10	1	U	ug/L	EX	< EQL
Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
Ethylbenzene	<5		<5	<5	1	U	ug/L	EX	< EQL
Gross alpha	1.32	<-.97	1.16	.95	1		pCi/L	TM	.95
Iodomethane (Methyl iodide)	<5		<5	<5	1	U	ug/L	EX	< EQL
Iron, total recoverable			531	<200	1	U	ug/L	EX	< EQL
Isobutyl alcohol	<100		<100						
Lead, total recoverable	15.9	<5	17.9	<100	1	U	ug/L	EX	< EQL
Mercury, total recoverable	2.48	.22	.17	.22	1	J	ug/L	EX	NDD
Methacrylonitrile	<10		<5	<500	1	U	ug/L	EX	< EQL
Methyl ethyl ketone	<10		<10	<10	1	U	ug/L	EX	< EQL
Methyl isobutyl ketone	<10		<12	<5	1	U	ug/L	EX	< EQL
Methyl methacrylate			<5	<50	1	U	ug/L	EX	< EQL
Pentachloroethane				<200	1	U	ug/L	EX	< EQL
Propionitrile	<50		<5						
Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
Styrene	<5		<5	<5	1	U	ug/L	EX	< EQL
Tetrachloroethylene	1		<5	<5	1	U	ug/L	EX	< EQL
Toluene	<5		<5	<5	1	U	ug/L	EX	< EQL
Trichloroethylene	4.45		<5	<5	1	U	ug/L	EX	< EQL
Trichlorofluoromethane	15.2		<5	2.93	1	J	ug/L	EX	NDD
Tritium	4.6	1350	2.08	1.7	1		pCi/ml	TM	1.7
Vinyl acetate	<10		<5	<20	1	U	ug/L	EX	< EQL
Xylenes	<5		<5	<10	1	U	ug/L	EX	< EQL
cis-1,2-Dichloroethylene				1.7	1	J	ug/L	EX	NDD
cis-1,3-Dichloropropene	<5		<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 60D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5		<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20		<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 61D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83089.1	33.285 Deg N	150.4 - 130.3 ft msl	168.3 ft msl	4" PVC	S	U Steed Pond
E 46471.1	81.706 Deg W					

SAMPLE DATE	12/02/97	03/16/98	06/12/98	09/15/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	142.64	145.51	143.16	143.4	ft msl
Depth to water	23.76	20.89	23.24	23	ft
pH	6.2	5.5	5.3	5.7	pH
Sp. Conductance	260	160	130	120	uS/cm
Water temperature	19	20.4	20.9	21.9	deg. C
Alkalinity as CaCO3	121	43	32	44	mg/L
Turbidity	3.5	2.1	2.7	1.8	NTU
Volumes purged	19.2690	7.12748	7.22949	4.67480	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<25	<5						
		1,1,1-Trichloroethane	2.77	8.4	8	5.86	1		ug/L	EX	5.86
		1,1,2,2-Tetrachloroethane	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
+		1,1-Dichloroethane	75.9	46	49	59.1	1		ug/L	EX	59.1
		1,1-Dichloroethylene	2.39	<25	4.2	3.73	1	J	ug/L	EX	NDD
		1,2,3-Trichloropropane	<5	<25	<5						
		1,2-Dibromo-3-chloropropane	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene			<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	2.78	<25	<5	1.68	1	J	ug/L	EX	NDD
		1,3-Dichlorobenzene			<5	<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	3.71	<25	.87	<5	1	U	ug/L	EX	< EQL
		1,4-Dioxane			<1000	<1000	1	U	ug/L	EX	< EQL
		2-Chloroethyl vinyl ether			<5						
		2-Hexanone	<10	<50	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<43.9	<50	<4.9	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<100	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<50	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<25	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<50	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			203	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	16.4	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	4.7	8.9	10.6	12.8	1		ug/L	EX	12.8
		Benzene	2.28	<25	.56	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 61D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromodichloromethane	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		Bromoform	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	<50	<10	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	<2	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		Chloroethane	<10	<50	<10	<10	1	U	ug/L	EX	< EQL
		Chloroethene (Vinyl chloride)	<10	<50	<10	<5	1	U	ug/L	EX	< EQL
		Chloroform	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	1.63	<50	<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5	<25	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<7	1.2	<3	<10	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
+		Dichlorodifluoromethane	38.5	17	17	18.7	1		ug/L	EX	18.7
		Dichloromethane (Methylene chloride)	<9.31	<14	<4.6	<10	1	U	ug/L	EX	< EQL
		Ethyl methacrylate			<10	<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	19.9	<25	2.1	3.3	1	J	ug/L	EX	NDD
		Gross alpha	2.2	2.1	4.32	5.78	1		pCi/L	TM	5.78
		Iodomethane (Methyl iodide)	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
+		Iron, total recoverable			23000	19200	1		ug/L	EX	19200
		Isobutyl alcohol	<100	<500	<100						
		Lead, total recoverable	<47	<5	6.2	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	<.2	.06	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<25	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<80.1	<50	<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<17.2	<60	<1.8	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate		<25	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane			<20	<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50	<25	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	8.31	2.2	3.1	3.94	1	J	ug/L	EX	NDD
		Toluene	6.12	<25	.68	<5	1	U	ug/L	EX	< EQL
+		Trichloroethylene	26.2	10	12	14.4	1		ug/L	EX	14.4
+		Trichlorofluoromethane	14.8	<25	7.1	16	1		ug/L	EX	16
		Tritium	3.64	3020	2.39	2.56	1		pCi/ml	TM	2.56
		Vinyl acetate	<10	<25	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	104	<25	15	17.3	1		ug/L	EX	17.3
		cis-1,2-Dichloroethylene			<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998.

WELL: LFW 61D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		cis-1,3-Dichloropropene	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,2-Dichloroethylene	<5		<5	<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<25	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<25	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 62C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83012.7 E 45906.7	33.284 Deg N 81.707 Deg W	118.4 - 108.4 ft msl	165.5 ft msl	4"PVC	S	M Steed Pond

SAMPLE DATE 12/02/97

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	140.2				ft msl
Depth to water	23.2				ft
pH	4.4				pH
Sp. Conductance	80				uS/cm
Water temperature	19				deg. C
Alkalinity as CaCO3	0				mg/L
Turbidity	2.6				NTU
Volumes purged	5.26117				well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5								
		1,1,1-Trichloroethane	<5								
		1,1,2,2-Tetrachloroethane	<5								
		1,1,2-Trichloroethane	<5								
		1,1-Dichloroethane	45.6								
		1,1-Dichloroethylene	1.62								
		1,2,3-Trichloropropane	<5								
		1,2-Dibromo-3-chloropropane	<5								
		1,2-Dibromoethane	<5								
		1,2-Dichloroethane	5.22								
		1,2-Dichloropropane	<5								
		1,4-Dichlorobenzene	35.9								
		2-Hexanone	<10								
		Acetone	<10								
		Acetonitrile (Methyl cyanide)	<20								
		Acrolein	<20								
		Acrylonitrile	<5								
		Allyl chloride	<10								
		Arsenic, total recoverable	4.1								
		Barium, total recoverable	10.4								
		Benzene	3.14								
		Bromodichloromethane	<5								
		Bromoform	<5								
		Bromomethane (Methyl bromide)	<10								
		Cadmium, total recoverable	<4.7								
		Carbon disulfide	<5								

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 62C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon tetrachloride	<5								
		Chlorobenzene	1.29								
		Chloroethane	<10								
		Chloroethene (Vinyl chloride)	<10								
		Chloroform	<5								
		Chloromethane (Methyl chloride)	<10								
		Chloroprene	<5								
		Chromium, total recoverable	<1.7								
		Dibromochloromethane	<5								
		Dibromomethane (Methylene bromide)	<5								
		Dichlorodifluoromethane	11.9								
		Dichloromethane (Methylene chloride)	<22.3								
		Ethylbenzene	<5								
		Gross alpha	6.13								
		Iodomethane (Methyl iodide)	<5								
		Isobutyl alcohol	<100								
		Lead, total recoverable	<47								
		Mercury, total recoverable	3.21								
		Methacrylonitrile	<10								
		Methyl ethyl ketone	<10								
		Methyl isobutyl ketone	<10								
		Propionitrile	<50								
		Selenium, total recoverable	<66								
		Silver, total recoverable	<5								
		Styrene	<5								
		Tetrachloroethylene	2								
		Toluene	<5								
		Trichloroethylene	13.2								
		Trichlorofluoromethane	2.9								
		Tritium	17.2								
		Vinyl acetate	<10								
		Xylenes	4.04								
		cis-1,3-Dichloropropene	<5								
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5								
		trans-1,4-Dichloro-2-butene	<20								

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 62D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82991.6	33.284 Deg N	147.6 - 127.6 ft msl	164.8 ft msl	4" PVC	S	U Steed Pond
E 45922.9	81.707 Deg W					

SAMPLE DATE	12/03/97	03/16/98	06/12/98	09/15/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	141.05	143.4	141.5	141.79	ft msl
Depth to water	21.55	19.2	21.1	20.81	ft
pH	4.4	5.3	4.3	5.2	pH
Sp. Conductance	420	110	130	88	uS/cm
Water temperature	15	19.3	26.5	24	deg. C
Alkalinity as CaCO3	0	0	1		mg/L
Turbidity	18.9	2	13.2	14.5	NTU
Volumes purged	.097405	2.54065	0	.186015	well volumes
Sampling code	NX		NSX	NX	

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5		<5						
		1,1,1-Trichloroethane	2.99		2.1	2.13	1	J	ug/L	EX	NDD
		1,1,2,2-Tetrachloroethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5		<5	<5	1	U	ug/L	EX	< EQL
	+	1,1-Dichloroethane	119		82	79.1	1		ug/L	EX	79.1
		1,1-Dichloroethylene	3.15		2.3	2.86	1	J	ug/L	EX	NDD
		1,2,3-Trichloropropane	<5		<5						
		1,2-Dibromo-3-chloropropane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				1.74	1	J	ug/L	EX	NDD
		1,2-Dichloroethane	5.38		3.8	3.74	1	J	ug/L	EX	NDD
		1,2-Dichloropropane	2.1		<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	86		66	59	1		ug/L	EX	59
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10		<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<10		<6	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20		<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20		<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5		<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10		<10	<10	1	U	ug/L	EX	< EQL
	+	Aluminum, total recoverable			369	861	1		ug/L	EX	861
		Arsenic, total recoverable	<40	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	7.8	4.3	6.5	7.22	1	J	ug/L	EX	NDD
	+	Benzene	25.6		12	11	1		ug/L	EX	11
		Bromodichloromethane	<5		<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 62D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Bromoform	<5		<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10		<10	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	<2	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	5.43		4.6	8.92	1		ug/L	EX	8.92
		Carbon tetrachloride	<5		<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	23.9		21	21.8	1		ug/L	EX	21.8
		Chloroethane	3.79		<10	<10	1	U	ug/L	EX	< EQL
		Chloroethene (Vinyl chloride)	15.6		7.8	<5	1	U	ug/L	EX	< EQL
		Chloroform	<5		<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<10		<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5		<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	5.2	<3	2.1	<6.96	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5		<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5		<5	<5	1	U	ug/L	EX	< EQL
		Dichlorodifluoromethane	19.9		12	9.27	1		ug/L	EX	9.27
	+	Dichloromethane (Methylene chloride)	<26.2		<13	10.3	1		ug/L	EX	10.3
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	<5		<5	<5	1	U	ug/L	EX	< EQL
		Gross alpha	6.5	1.72	3.91	7.67	1		pCi/L	TM	7.67
		Iodomethane (Methyl iodide)	<5		<5	<5	1	U	ug/L	EX	< EQL
	+	Iron, total recoverable			660	1970	1		ug/L	EX	1970
		Isobutyl alcohol	<100		<100						
		Lead, total recoverable	8.6	5.2	4.1	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	.526	.1	.16	.352	1	J	ug/L	EX	NDD
		Methacrylonitrile	<10		<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<10		<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<10		<12	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate			<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50		<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5		<5	<5	1	U	ug/L	EX	< EQL
	+	Tetrachloroethylene	3.43		3.5	7.05	1		ug/L	EX	7.05
		Toluene	<5		<5	<5	1	U	ug/L	EX	< EQL
	+	Trichloroethylene	18		12	19.3	1		ug/L	EX	19.3
	+	Trichlorofluoromethane	34.5		26	27.9	1		ug/L	EX	27.9
		Tritium	17.25	10200	8.37	10.69	1		pCi/ml	TM	10.69
		Vinyl acetate	<10		<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	28.4		8.1	9.31	1	J	ug/L	EX	NDD
	+	cis-1,2-Dichloroethylene				75.2	1		ug/L	EX	75.2
		cis-1,3-Dichloropropene	<5		<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 62D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5		<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20		<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 63B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82740.8	33.283 Deg N	76.1 - 66.1 ft msl	167.8 ft msl	2"PVC	V	L Steed Pond
E 45550.7	81.708 Deg W					

SAMPLE DATE 12/03/97 03/12/98 06/05/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	137.8	138.97	138.15		ft msl
Depth to water	28.1	26.93	27.75		ft
pH	3.4	2.8	4		pH
Sp. Conductance	66	54	58		uS/cm
Water temperature	17	17	20		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	6	.4	.5		NTU
Volumes purged	2.48542	3.75134	4.61749		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<10	<10	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			437						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	6	5.9	5.9						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	.7						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 63B

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF Mod	Unit	Compliance Lab	Compliance Filter
Carbon disulfide	<5	<5	<5					
Carbon tetrachloride	<5	<5	<5					
Chlorobenzene	<5	<5	<5					
Chloroethane	<10	<10	<10					
Chloroethene (Vinyl chloride)	<10	<10	<10					
Chloroform	<5	<5	<5					
Chloromethane (Methyl chloride)	<10	<10	<10					
Chloroprene	<5	<5	<5					
Chromium, total recoverable	.87	<3	.6					
Dibromochloromethane	<5	<5	<5					
Dibromomethane (Methylene bromide)	<5	<5	<5					
Dichlorodifluoromethane	<10	<5	<5					
Dichloromethane (Methylene chloride)	<24.8	<2.3	<2.3					
Ethylbenzene	<5	<5	<5					
Gross alpha	9.51	3.02	5.89					
Iodomethane (Methyl iodide)	<5	<5	<5					
Iron, total recoverable			10.3					
Isobutyl alcohol	<100	<100	<100					
Lead, total recoverable	<47	<5	7.7					
Mercury, total recoverable	<.7	<.2	<.2					
Methacrylonitrile	<10	<5	<5					
Methyl ethyl ketone	<10	<10	<10					
Methyl isobutyl ketone	<10	<12	<12					
Methyl methacrylate		<5	<5					
Propionitrile	<50	<5	<5					
Selenium, total recoverable	<66	<5	<5					
Silver, total recoverable	<5	<2	<2					
Styrene	<5	<5	<5					
Tetrachloroethylene	<5	1.2	<5					
Toluene	<5	<5	<5					
Trichloroethylene	<5	<5	<5					
Trichlorofluoromethane	<5	<5	<5					
Tritium	<.31	<249	<-.22					
Vinyl acetate	<10	<5	<5					
Xylenes	<5	<5	<5					
cis-1,3-Dichloropropene	<5	<5	<5					
trans-1,2-Dichloroethylene	<5							
trans-1,3-Dichloropropene	<5	<5	<5					
trans-1,4-Dichloro-2-butene	<20	<5	<5					

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 63C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82746.1	33.283 Deg N	106.2 - 96.2 ft msl	168.1 ft msl	2" PVC	V	M Steed Pond
E 45559.2	81.708 Deg W					

SAMPLE DATE	12/03/97	03/11/98	06/05/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	137.64	138.9	138.05		ft msl
Depth to water	28.36	27.1	27.95		ft
pH	4.2	3.6	4.4		pH
Sp. Conductance	32	32	34		uS/cm
Water temperature	17	19	19.9		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	.2	.3	.5		NTU
Volumes purged	3.08099	6.53310	10.6829		well volumes
Sampling code					

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF Mod	Unit	Compliance Lab	Compliance Filter
1,1,1,2-Tetrachloroethane	<5	<5	<5					
1,1,1-Trichloroethane	<5	<5	<5					
1,1,2,2-Tetrachloroethane	<5	<5	<5					
1,1,2-Trichloroethane	<5	<5	<5					
1,1-Dichloroethane	<5	<5	<5					
1,1-Dichloroethylene	<5	<5	<5					
1,2,3-Trichloropropane	<5	<5	<5					
1,2-Dibromo-3-chloropropane	<5	<5	<5					
1,2-Dibromoethane	<5	<5	<5					
1,2-Dichloroethane	<5	<5	<5					
1,2-Dichloropropane	<5	<5	<5					
1,4-Dichlorobenzene	<5	<5	<5					
2-Hexanone	<10	<10	<10					
Acetone	<10	<10	<10					
Acetonitrile (Methyl cyanide)	<20	<20	<20					
Acrolein	<20	<10	<10					
Acrylonitrile	<5	<20	<5					
Allyl chloride	<10	<10	<10					
Aluminum, total recoverable			105					
Arsenic, total recoverable	<40	<8	<8					
Barium, total recoverable	3.7	3.7	3.8					
Benzene	<5	<5	<5					
Bromodichloromethane	<5	<5	<5					
Bromoform	<5	<5	<5					
Bromomethane (Methyl bromide)	<10	<10	<10					
Cadmium, total recoverable	<4.7	<2	.3					

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 63C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	<5	<5						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	<10	<10	<10						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	<7	<3	<3						
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	<5	<5						
		Dichloromethane (Methylene chloride)	<6.82	<2	<2.4						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	6.38	1.12	4.27						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			5.7						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	<5						
		Mercury, total recoverable	<.7	<.2	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Styrene	<5	<5	<5						
		Tetrachloroethylene	<5	<5	<5						
		Toluene	<5	<5	<5						
		Trichloroethylene	<5	<5	<5						
		Trichlorofluoromethane	<5	<5	<5						
		Tritium	1.19	907	<.04						
		Vinyl acetate	<10	<5	<5						
		Xylenes	<5	<5	<5						
		cis-1,3-Dichloropropene	<5	<5	<5						
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 63D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82751.8	33.283 Deg N	146.4 - 126.4 ft msl	168.3 ft msl	2" PVC	V	U Steed Pond
E 45569.1	81.708 Deg W					

SAMPLE DATE	12/02/97	03/16/98	06/08/98	09/15/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	138	139.3	138.35	138.5	ft msl
Depth to water	28.2	26.9	27.85	27.7	ft
pH	5.4	5.2	4.6	5	pH
Sp. Conductance	44	46	32	19	uS/cm
Water temperature	20	19	19.5	19.7	deg. C
Alkalinity as CaCO3	9	10	0		mg/L
Turbidity	1	.7	.3	.5	NTU
Volumes purged	21.3637	30.4878	15.1897	6.01168	well volumes
Sampling code	tV				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	4.9	3.2	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethane	4.34	10	6.1	1.78	1	J	ug/L	EX	NDD
		1,1-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	10.1	12	7.5	<5	1	U	ug/L	EX	< EQL
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<10	<10	<10	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<10	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<20	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			23.1	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	<40	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	3.3	3.4	3.2	3.66	1	J	ug/L	EX	NDD
		Benzene	<5	.76	.56	<5	1	U	ug/L	EX	< EQL
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 63D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Bromoform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	.6	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	4.22	<5	2.9	<5	1	U	ug/L	EX	< EQL
		Chloroethane	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Chloroethene (Vinyl chloride)	9.89	12	7.1	<5	1	U	ug/L	EX	< EQL
		Chloroform	<5	1.6	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	1.48	<10	<10	3.75	1	J	ug/L	EX	NDD
		Chloroprene	<5	<5	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<7	<3	<3	<10	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	+	Dichlorodifluoromethane	21.4	28	20	18.1	1		ug/L	EX	18.1
		Dichloromethane (Methylene chloride)	<7.74	<10	<8	<10	1	U	ug/L	EX	< EQL
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Gross alpha	1.83	<-.31	1.04	.99	1		pCi/L	TM	.99
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Iron, total recoverable			12.1	<21.8	1	U	ug/L	EX	< EQL
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	3.9	8.4	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	.05	.05	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<10	<12	<12	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate		<5	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	<5	1	1.2	<5	1	U	ug/L	EX	< EQL
		Toluene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichloroethylene	<5	2.3	2.4	<5	1	U	ug/L	EX	< EQL
	+	Trichlorofluoromethane	24.9	27	18	11.6	1		ug/L	EX	9.84
		Tritium	1.99	1710	<.59	<.78	1	UI	pCi/ml	TM	< EQL
		Vinyl acetate	<10	<5	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	<5	<5	<5	<10	1	U	ug/L	EX	< EQL
		cis-1,2-Dichloroethylene				<5	1	U	ug/L	EX	< EQL
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 63D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 64C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82744.8	33.283 Deg N	93.0 - 83.0 ft msl	152.2 ft msl	2" PVC	V	M Steed Pond
E 45271.3	81.708 Deg W					

SAMPLE DATE	12/03/97	03/12/98	06/08/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	137.65	138.41	137.75		ft msl
Depth to water	12.35	11.59	12.25		ft
pH	3.4	3.2	4.1		pH
Sp. Conductance	82	64	77		uS/cm
Water temperature	19	16.3	18.2		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	.2	.4	.2		NTU
Volumes purged	2.35965	3.81031	2.35551		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<10	<10	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			731						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	8.1	6.5	6.9						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	.75	.5	.6						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 64C

ANALYTICAL DATA

H ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
	Carbon disulfide	<5	<5	<5						
	Carbon tetrachloride	<5	<5	<5						
	Chlorobenzene	<5	<5	<5						
	Chloroethane	<10	<10	<10						
	Chloroethene (Vinyl chloride)	<10	<10	<10						
	Chloroform	<5	<5	<5						
	Chloromethane (Methyl chloride)	<10	<10	<10						
	Chloroprene	<5	<5	<5						
	Chromium, total recoverable	<7	.7	<3						
	Dibromochloromethane	<5	<5	<5						
	Dibromomethane (Methylene bromide)	<5	<5	<5						
	Dichlorodifluoromethane	<10	<5	<5						
	Dichloromethane (Methylene chloride)	<6.5	<2.1	<2.4						
	Ethylbenzene	<5	<5	<5						
	Gross alpha	13.51	5.74	10.43						
	Iodomethane (Methyl iodide)	<5	<5	<5						
	Iron, total recoverable			12						
	Isobutyl alcohol	<100	<100	<100						
	Lead, total recoverable	<47	<5	<5						
	Mercury, total recoverable	<.7	<.2	<.2						
	Methacrylonitrile	<10	<5	<5						
	Methyl ethyl ketone	<10	<10	<10						
	Methyl isobutyl ketone	<10	<12	<12						
	Methyl methacrylate		<5	<5						
	Propionitrile	<50	<5	<5						
	Selenium, total recoverable	<66	<5	<5						
	Silver, total recoverable	<5	<2	<2						
	Styrene	<5	<5	<5						
	Tetrachloroethylene	<5	<5	<5						
	Toluene	<5	<5	<5						
	Trichloroethylene	<5	<5	<5						
	Trichlorofluoromethane	<5	<5	<5						
	Tritium	.6	<524	<.02						
	Vinyl acetate	<10	<5	<5						
	Xylenes	<5	<5	<5						
	cis-1,3-Dichloropropene	<5	<5	<5						
	trans-1,2-Dichloroethylene	<5								
	trans-1,3-Dichloropropene	<5	<5	<5						
	trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 64D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82737.8	33.283 Deg N	135.2 - 115.2 ft msl	152.2 ft msl	2"PVC	V	U Steed Pond
E 45280.7	81.708 Deg W					

SAMPLE DATE	12/02/97	03/12/98	06/08/98	09/15/98	

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	137.8	138.75	138.05	138.07	ft msl
Depth to water	12.4	11.45	12.15	12.13	ft
pH	5.4	5.2	4.9	5.2	pH
Sp. Conductance	62	42	48	55	uS/cm
Water temperature	20	17	19	19.2	deg. C
Alkalinity as CaCO3	6	6	5	6	mg/L
Turbidity	.7	.3	.3	.7	NTU
Volumes purged	11.8977	9.54608	17.6670	2.94213	well volumes
Sampling code	tV				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethane	5.49	2.2	3.8	3.33	1	J	ug/L	EX	NDD
		1,1-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	17.5	5.1	7.5	8.49	1		ug/L	EX	8.49
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<10	<10	<4.5	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<10	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<20	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			24.4	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	<40	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	8.8	6.1	6.9	5.89	1	J	ug/L	EX	NDD
		Benzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998.

WELL: LFW 64D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromoform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	.4	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	8.5	1.7	2.6	3.25	1	J	ug/L	EX	NDD
		Chloroethane	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
+		Chloroethene (Vinyl chloride)	20.2	5.5	<10	9.14	1		ug/L	EX	9.14
		Chloroform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	1.3	<10	<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5	<5	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<1.1	<3	<3	<10	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dichlorodifluoromethane	1.69	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dichloromethane (Methylene chloride)	<7.57	<2.4	<3	<10	1	U	ug/L	EX	< EQL
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Gross alpha	1.29	<-.45	1.26	1.43	1		pCi/L	TM	1.43
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Iron, total recoverable			12	<16	1	U	ug/L	EX	< EQL
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	4.3	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	.05	<.2	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<10	<12	<12	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate		<5	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Toluene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichlorofluoromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tritium	17.29	6930	6.69	8.19	1		pCi/ml	TM	8.19
		Vinyl acetate	<10	<5	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	<5	<5	<5	<10	1	U	ug/L	EX	< EQL
		cis-1,2-Dichloroethylene				4.96	1	J	ug/L	EX	NDD
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 64D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 65B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82589.2	33.284 Deg N	63.5 - 53.5 ft msl	148.2 ft msl	2" PVC	V	L Steed Pond
E 46061.8	81.706 Deg W					

SAMPLE DATE	12/03/97	06/04/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	135.8		135.7		ft msl
Depth to water	10.3		10.4		ft
pH			4.2		pH
Sp. Conductance			51		uS/cm
Water temperature			20.9		deg. C
Alkalinity as CaCO3			0		mg/L
Turbidity			2		NTU
Volumes purged	0		2.67627		well volumes
Sampling code	NP				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane			<5						
		1,1,1-Trichloroethane			<5						
		1,1,2,2-Tetrachloroethane			<5						
		1,1,2-Trichloroethane			<5						
		1,1-Dichloroethane			<5						
		1,1-Dichloroethylene			<5						
		1,2,3-Trichloropropane			<5						
		1,2-Dibromo-3-chloropropane			<5						
		1,2-Dibromoethane			<5						
		1,2-Dichloroethane			<5						
		1,2-Dichloropropane			<5						
		1,4-Dichlorobenzene			<5						
		2-Hexanone			<10						
		Acetone			<10						
		Acetonitrile (Methyl cyanide)			<20						
		Acrolein			<10						
		Acrylonitrile			<5						
		Allyl chloride			<10						
		Aluminum, total recoverable			281						
		Arsenic, total recoverable			<8						
		Barium, total recoverable			7.1						
		Benzene			<5						
		Bromodichloromethane			<5						
		Bromoform			<5						
		Bromomethane (Methyl bromide)			<10						
		Cadmium, total recoverable			.5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 65B

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide			<5						
		Carbon tetrachloride			<5						
		Chlorobenzene			<5						
		Chloroethane			<10						
		Chloroethene (Vinyl chloride)			<10						
		Chloroform			<5						
		Chloromethane (Methyl chloride)			<10						
		Chloroprene			<5						
		Chromium, total recoverable			1.6						
		Dibromochloromethane			<5						
		Dibromomethane (Methylene bromide)			<5						
		Dichlorodifluoromethane			<5						
		Dichloromethane (Methylene chloride)			<2.1						
		Ethylbenzene			<5						
		Gross alpha			7.37						
		Iodomethane (Methyl iodide)			<5						
		Iron, total recoverable			47.4						
		Isobutyl alcohol			<100						
		Lead, total recoverable			5.7						
		Mercury, total recoverable			<.2						
		Methacrylonitrile			<5						
		Methyl ethyl ketone			<10						
		Methyl isobutyl ketone			<12						
		Methyl methacrylate			<5						
		Propionitrile			<5						
		Selenium, total recoverable			<5						
		Silver, total recoverable			<2						
		Styrene			<5						
		Tetrachloroethylene			<5						
		Toluene			<5						
		Trichloroethylene			<5						
		Trichlorofluoromethane			<5						
		Tritium			<-.72						
		Vinyl acetate			<5						
		Xylenes			<5						
		cis-1,3-Dichloropropene			<5						
		trans-1,3-Dichloropropene			<5						
		trans-1,4-Dichloro-2-butene			<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998.

WELL: LFW 65C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82592.9	33.284 Deg N	96.1 - 86.1 ft msl	148.2 ft msl	2 "PVC	V	M Steed Pond
E 46064.4	81.706 Deg W					

SAMPLE DATE	12/03/97	03/11/98	06/04/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	135.6	136.85	135.75		ft msl
Depth to water	10.5	9.25	10.35		ft
pH	3.8	4.4	4.6		pH
Sp. Conductance	32	32	33		uS/cm
Water temperature	17	17	20.2		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	.3	.3	.3		NTU
Volumes purged	2.48157	8.76849	5.42005		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<10	<10	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			38.4						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	8.6	7.8	8.1						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	.6	.4						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 65C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	<5	<5						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	<10	<10	<10						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	.9	1.4	.8						
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	<5	<5						
		Dichloromethane (Methylene chloride)	<6.42	<2.1	<2.3						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	6.32	<.39	5.19						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			9.7						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	15.6	<5						
		Mercury, total recoverable	<.7	<.2	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	<2						
		Styrene	<5	<5	<5						
		Tetrachloroethylene	<5	<5	<5						
		Toluene	<5	<5	<5						
		Trichloroethylene	<5	<5	<5						
		Trichlorofluoromethane	<5	<5	<5						
		Tritium	.72	<410	<.22						
		Vinyl acetate	<10	<5	<5						
		Xylenes	<5	<5	<5						
		cis-1,3-Dichloropropene	<5	<5	<5						
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 65D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82598.4	33.284 Deg N	131.5 - 111.5 ft msl	148.4 ft msl	2"PVC	V	U Steed Pond
E 46071.8	81.706 Deg W					

SAMPLE DATE	12/03/97	03/12/98	06/09/98	09/14/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	136.35	138.35	136.35	136.4	ft msl
Depth to water	9.95	7.95	9.95	9.9	ft
pH	4	4.6	4.6	4.7	pH
Sp. Conductance	22	20	24	23	uS/cm
Water temperature	17	15	18.3	20.8	deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	.3	.5	.7	.5	NTU
Volumes purged	2.48880	6.73996	10.1815	11.9693	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	3.24	<5	1.6	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
+		1,1-Dichloroethane	22.2	14	14	10.8	1		ug/L	EX	10.8
		1,1-Dichloroethylene	1.03	<5	.74	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	.983	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	<5	<5	<5	1.71	1	J	ug/L	EX	NDD
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<10	<10	<10	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<10	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<20	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			36.7	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	<40	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	3.2	3.1	3.5	4.33	1	J	ug/L	EX	NDD
		Benzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 65D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Bromoform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	.6	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chloroethane	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Chloroethene (Vinyl chloride)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Chloroform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5	<5	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<7	.7	1.1	4.29	1	J	ug/L	EX	NDD
		Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dichlorodifluoromethane	9.9	7.1	4.5	9.02	1		ug/L	EX	9.02
		Dichloromethane (Methylene chloride)	<7.72	<3.5	<3.2	<10	1	U	ug/L	EX	< EQL
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Gross alpha	1.37	<-.97	1.62	1.47	1	J	pCi/L	TM	NDD
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Iron, total recoverable			16.8	121	1	J	ug/L	EX	NDD
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	7.8	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	.07	.09	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<10	<12	<12	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate		<5	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	3.97	1.9	1.3	<5	1	U	ug/L	EX	< EQL
		Toluene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
	+	Trichloroethylene	9.77	5.7	4.8	5.09	1		ug/L	EX	5.09
	+	Trichlorofluoromethane	25.7	16	14	24.3	1		ug/L	EX	24.3
		Tritium	3.29	2910	3.41	2.29	1		pCi/ml	TM	2.29
		Unknown		<45.22							
		Vinyl acetate	<10	<5	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	<5	<5	<5	<10	1	U	ug/L	EX	< EQL
		cis-1,2-Dichloroethylene				2.6	1	J	ug/L	EX	NDD

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 65D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 66D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82835.1	33.284 Deg N	141.8 - 121.8 ft msl	161.7 ft msl	2" PVC	V	U Steed Pond
E 46173.7	81.706 Deg W					

SAMPLE DATE 12/04/97

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	140.15				ft msl
Depth to water	19.45				ft
pH	4.6				pH
Sp. Conductance	18				uS/cm
Water temperature	18				deg. C
Alkalinity as CaCO3	0				mg/L
Turbidity	.3				NTU
Volumes purged	5.66522				well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5								
		1,1,1-Trichloroethane	<5								
		1,1,2,2-Tetrachloroethane	<5								
		1,1,2-Trichloroethane	<5								
		1,1-Dichloroethane	<5								
		1,1-Dichloroethylene	<5								
		1,2,3-Trichloropropane	<5								
		1,2-Dibromo-3-chloropropane	<5								
		1,2-Dibromoethane	<5								
		1,2-Dichloroethane	<5								
		1,2-Dichloropropane	<5								
		1,4-Dichlorobenzene	<5								
		2-Hexanone	<10								
		Acetone	<7.3								
		Acetonitrile (Methyl cyanide)	<20								
		Acrolein	<20								
		Acrylonitrile	<5								
		Allyl chloride	<10								
		Arsenic, total recoverable	<40								
		Barium, total recoverable	2								
		Benzene	<5								
		Bromodichloromethane	<5								
		Bromoform	<5								
		Bromomethane (Methyl bromide)	<10								
		Cadmium, total recoverable	<4.7								
		Carbon disulfide	<5								

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 66D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Carbon tetrachloride	<5								
		Chlorobenzene	<5								
		Chloroethane	<10								
		Chloroethene (Vinyl chloride)	<10								
		Chloroform	<5								
		Chloromethane (Methyl chloride)	<10								
		Chloroprene	<5								
		Chromium, total recoverable	1.1								
		Dibromochloromethane	<5								
		Dibromomethane (Methylene bromide)	<5								
		Dichlorodifluoromethane	<10								
		Dichloromethane (Methylene chloride)	<7.03								
		Ethylbenzene	<5								
		Gross alpha	2.34								
		Iodomethane (Methyl iodide)	<5								
		Isobutyl alcohol	<100								
		Lead, total recoverable	<47								
		Mercury, total recoverable	<.7								
		Methacrylonitrile	<10								
		Methyl ethyl ketone	<10								
		Methyl isobutyl ketone	<10								
		Propionitrile	<50								
		Selenium, total recoverable	<66								
		Silver, total recoverable	<5								
		Styrene	<5								
		Tetrachloroethylene	<5								
		Toluene	<5								
		Trichloroethylene	<5								
		Trichlorofluoromethane	<5								
		Tritium	<1.17								
		Vinyl acetate	<10								
		Xylenes	<5								
		cis-1,3-Dichloropropene	<5								
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5								
		trans-1,4-Dichloro-2-butene	<20								

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 67B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82847.1	33.285 Deg N	65.6 - 55.6 ft msl	157.7 ft msl	2" PVC	V	L Steed Pond
E 46517.1	81.705 Deg W					

SAMPLE DATE	12/04/97	03/12/98	06/05/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	136.7	137.73	137		ft msl
Depth to water	18.7	17.67	18.4		ft
pH	3.6	4.1	4		pH
Sp. Conductance	60	48	59		uS/cm
Water temperature	19	17.5	20		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	.3	.4	.2		NTU
Volumes purged	2.63204	5.70540	3.05971		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<10	<10	<3.9						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			315						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	6	5.5	5.5						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	.4						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998.

WELL: LFW 67B

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF Mod Unit	Compliance Lab	Compliance Filter
Carbon disulfide	<5	<5	<5				
Carbon tetrachloride	<5	<5	<5				
Chlorobenzene	<5	<5	<5				
Chloroethane	<10	<10	<10				
Chloroethene (Vinyl chloride)	<10	<10	<10				
Chloroform	<5	<5	<5				
Chloromethane (Methyl chloride)	<10	<10	<10				
Chloroprene	<5	<5	<5				
Chromium, total recoverable	.86	<3	<3				
Dibromochloromethane	<5	<5	<5				
Dibromomethane (Methylene bromide)	<5	<5	<5				
Dichlorodifluoromethane	<10	<5	<5				
Dichloromethane (Methylene chloride)	<7.01	<1.8	<2				
Ethylbenzene	<5	<5	<5				
Gross alpha	8.49	2.93	7.54				
Iodomethane (Methyl iodide)	<5	<5	<5				
Iron, total recoverable			8.9				
Isobutyl alcohol	<100	<100	<100				
Lead, total recoverable	<47	<5	<5				
Mercury, total recoverable	<.7	<.2	<.2				
Methacrylonitrile	<10	<5	<5				
Methyl ethyl ketone	<10	<10	<10				
Methyl isobutyl ketone	<10	<12	<12				
Methyl methacrylate		<5	<5				
Propionitrile	<50	<5	<5				
Selenium, total recoverable	<66	<5	<5				
Silver, total recoverable	<5	<2	<2				
Styrene	<5	<5	<5				
Tetrachloroethylene	<5	<5	<5				
Toluene	<5	<5	<5				
Trichloroethylene	<5	<5	<5				
Trichlorofluoromethane	<5	<5	<5				
Tritium	<.56	<351	<-.34				
Vinyl acetate	<10	<5	<5				
Xylenes	<5	<5	<5				
cis-1,3-Dichloropropene	<5	<5	<5				
trans-1,2-Dichloroethylene	<5						
trans-1,3-Dichloropropene	<5	<5	<5				
trans-1,4-Dichloro-2-butene	<20	<5	<5				

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 67C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82844.2	33.285 Deg N	96.1 - 86.1 ft msl	157.1 ft msl	2"PVC	V	M Steed Pond
E 46527.5	81.705 Deg W					

SAMPLE DATE	12/02/97	03/12/98	06/09/98	09/14/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	136.6	137.9	136.53	136.6	ft msl
Depth to water	18.3	17	18.37	18.3	ft
pH	6.4	6.2	6	6.2	pH
Sp. Conductance	660	600	520	490	uS/cm
Water temperature	20	18	20.4	21	deg. C
Alkalinity as CaCO3	193	232	217	172	mg/L
Turbidity	1.3	.7	1	.5	NTU
Volumes purged	6.01657	5.30714	4.63429	10.6447	well volumes
Sampling code	tV				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<25	<25	<5						
		1,1,1-Trichloroethane	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
	+	1,1-Dichloroethane	147	120	140	114	1		ug/L	EX	114
		1,1-Dichloroethylene	<25	<25	2.2	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<25	<25	<5						
		1,2-Dibromo-3-chloropropane	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<25	<25	1.8	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	<25	<25	3.3	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	44.5	43	40	44.9	1		ug/L	EX	44.9
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<50	<50	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<43.6	130	<15	12.5	1	J	ug/L	EX	NDD
		Acetonitrile (Methyl cyanide)	<100	<100	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<100	<50	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<25	<25	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<50	<50	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			12	<200	1	U	ug/L	EX	< EQL
	+	Arsenic, total recoverable	39.2	32.4	37.1	68.8	1	J	ug/L	EX	NDD
		Barium, total recoverable	12	11.7	14.1	15.8	1		ug/L	EX	15.8
	+	Benzene	10.2	8.9	8.4	7.29	1		ug/L	EX	7.29
		Bromodichloromethane	<25	<25	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 67C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Bromoform	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<50	<50	1.9	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	<.3	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	<25	2.9	1.7	1.25	1	J	ug/L	EX	NDD
		Chloroethane	<50	<50	<10	<10	1	U	ug/L	EX	< EQL
+		Chloroethene (Vinyl chloride)	<50	3.9	3.3	41.3	1		ug/L	EX	41.3
		Chloroform	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<50	<50	<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<25	<25	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<7	<3	<3	<10	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
+		Dichlorodifluoromethane	14.2	19	11	14.2	1		ug/L	EX	14.2
		Dichloromethane (Methylene chloride)	<50.4	<14	<2.7	<10	1	U	ug/L	EX	< EQL
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	54.8	50	48	53.6	1		ug/L	EX	53.6
		Gross alpha	7.46	<-4.94	7.67	5.73	1	J	pCi/L	TM	NDD
		Iodomethane (Methyl iodide)	<25	23	<5	<5	1	U	ug/L	EX	< EQL
+		Iron, total recoverable			65300	60200	1		ug/L	EX	60200
		Isobutyl alcohol	<500	<500	<100						
		Lead, total recoverable	<47	<5	<5	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	<.2	<.2	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<50	<25	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<50	<50	<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<50	<11	<6.8	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate		<25	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<250	<25	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<25	<25	.86	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	<25	<25	.84	<5	1	U	ug/L	EX	< EQL
		Toluene	114	98	99	92.7	1		ug/L	EX	92.7
+		Trichloroethylene	14.4	16	14	9.52	1		ug/L	EX	9.52
		Trichlorofluoromethane	<25	21	15	<5	1	U	ug/L	EX	< EQL
+		Tritium	26.91	25400	33.83	34.53	1		pCi/ml	TM	> 20
		Vinyl acetate	<50	<25	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	185	120	110	116	1		ug/L	EX	116
+		cis-1,2-Dichloroethylene				201	1		ug/L	EX	201
		cis-1,3-Dichloropropene	<25	<25	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 67C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<25			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<25	<25	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<100	<25	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 67D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82855.0	33.285 Deg N	140.6 - 120.6 ft msl	157.7 ft msl	2" PVC	V	U Steed Pond
E 46529.9	81.705 Deg W					

SAMPLE DATE	12/02/97	03/12/98	06/09/98	09/14/98	
FIELD DATA					
Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	139.85	143.3	139.65	139.95	ft msl
Depth to water	15.55	12.1	15.75	15.45	ft
pH	5	5	4.8	4.6	pH
Sp. Conductance	38	48	44	53	uS/cm
Water temperature	21	18	18.5	20.7	deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	.8	.6	.5	.5	NTU
Volumes purged	3.67834	14.8780	25.7040	13.8005	well volumes
Sampling code	tV				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<25						
		1,1,1-Trichloroethane	4.77	3.2	5.1	18.8	1	J	ug/L	EX	NDD
		1,1,2,2-Tetrachloroethane	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
	+	1,1-Dichloroethane	31.8	43	26	36.3	1	J	ug/L	EX	NDD
	+	1,1-Dichloroethylene	1.69		<25	8.71	1	J	ug/L	EX	NDD
		1,2,3-Trichloropropane	<5	<5	<25						
		1,2-Dibromo-3-chloropropane	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	UJ	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		1,2-Dichloropropane	1.12	1.7	<25	<5	1	UJ	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	UJ	ug/L	EX	< EQL
		1,4-Dichlorobenzene	1.35	2.1	<25	1.15	1	J	ug/L	EX	NDD
		1,4-Dioxane				<1000	1	UJ	ug/L	EX	< EQL
		2-Hexanone	<10	<10	<50	<5	1	UJ	ug/L	EX	< EQL
		Acetone	<5.97	<10	<36	<20	1	UJ	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<20	<100	<500	1	UJ	ug/L	EX	< EQL
		Acrolein	<20	<10	<50	<50	1	UJ	ug/L	EX	< EQL
		Acrylonitrile	<5	<20	<25	<50	1	UJ	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<50	<10	1	UJ	ug/L	EX	< EQL
		Aluminum, total recoverable			54.2	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	<40	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	6	7.7	7.7	9.78	1	J	ug/L	EX	NDD
		Benzene	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		Bromodichloromethane	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 67D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Bromoform	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	<10	<50	<5	1	UJ	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	<2	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		Chlorobenzene	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		Chloroethane	<10	<10	<50	<10	1	UJ	ug/L	EX	< EQL
		Chloroethene (Vinyl chloride)	<10	<10	<50	<5	1	UJ	ug/L	EX	< EQL
		Chloroform	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<10	<10	5.8	<5	1	UJ	ug/L	EX	< EQL
		Chloroprene	<5	<5	<25	<50	1	UJ	ug/L	EX	< EQL
		Chromium, total recoverable	<7	<3	1.4	3.68	1	J	ug/L	EX	NDD
		Dibromochloromethane	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
	+	Dichlorodifluoromethane	18.2	25	12	43.9	1	J	ug/L	EX	NDD
		Dichloromethane (Methylene chloride)	<8.02	<3.7	<49	<10	1	UJ	ug/L	EX	< EQL
		Ethyl methacrylate				<5	1	UJ	ug/L	EX	< EQL
		Ethylbenzene	1.98	3.7	<25	<5	1	UJ	ug/L	EX	< EQL
		Gross alpha	3.75	<1.53	2.89	7.64	1	J	pCi/L	TM	NDD
		Iodomethane (Methyl iodide)	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
	+	Iron, total recoverable			71.6	447	1		ug/L	EX	447
		Isobutyl alcohol	<100	<100	<500						
		Lead, total recoverable	<47	<5	<5	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	.06	.05	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<25	<500	1	UJ	ug/L	EX	< EQL
		Methyl ethyl ketone	<10	<10	<50	<10	1	UJ	ug/L	EX	< EQL
		Methyl isobutyl ketone	<10	<12	<60	<5	1	UJ	ug/L	EX	< EQL
		Methyl methacrylate		<5	<25	<50	1	UJ	ug/L	EX	< EQL
		Pentachloroethane				<200	1	UJ	ug/L	EX	< EQL
		Propionitrile	<50	<5	<25						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		Tetrachloroethylene	3.17	3.6	<25	4.07	1	J	ug/L	EX	NDD
		Toluene	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
	+	Trichloroethylene	12.2	17	7.4	11.6	1	J	ug/L	EX	NDD
	+	Trichlorofluoromethane	40.1	11	11	21.9	1	J	ug/L	EX	NDD
		Tritium	1.91	2060	6.14	3.66	1		pCi/ml	TM	3.66
		Vinyl acetate	<10	<5	<25	<20	1	UJ	ug/L	EX	< EQL
		Xylenes	16.9	34	7.1	5.06	1	J	ug/L	EX	NDD
		cis-1,2-Dichloroethylene				<5	1	UJ	ug/L	EX	< EQL
		cis-1,3-Dichloropropene	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 67D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	UJ	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<25	<5	1	UJ	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<25	<20	1	UJ	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 68D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83031.6	33.286 Deg N	144.6 - 124.6 ft msl	161.4 ft msl	2" PVC	V	U Steed Pond
E 46868.0	81.705 Deg W					

SAMPLE DATE	12/08/97	03/12/98	06/05/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	141.06	145.59	141.62		ft msl
Depth to water	18.34	13.81	17.78		ft
pH	4.6	4.3	5		pH
Sp. Conductance	38	38	52		uS/cm
Water temperature	19	16.6	19.9		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	.8	.8	.8		NTU
Volumes purged	14.5337	8.48725	6.09115		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<10	18	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			46.9						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	6.6	5.3	5						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	1						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 68D

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
Carbon disulfide	<5	<5	<5						
Carbon tetrachloride	<5	<5	<5						
Chlorobenzene	<5	<5	<5						
Chloroethane	<10	<10	<10						
Chloroethene (Vinyl chloride)	<10	<10	<10						
Chloroform	<5	<5	<5						
Chloromethane (Methyl chloride)	<10	<10	<10						
Chloroprene	<5	<5	<5						
Chromium, total recoverable	1.7	<3	1.2						
Dibromochloromethane	<5	<5	<5						
Dibromomethane (Methylene bromide)	<5	<5	<5						
Dichlorodifluoromethane	<10	<5	<5						
Dichloromethane (Methylene chloride)	<18.2	<2	<3						
Ethylbenzene	<5	<5	<5						
Gross alpha	1.37	3.66	4.63						
Iodomethane (Methyl iodide)	<5	<5	<5						
Iron, total recoverable			1790						
Isobutyl alcohol	<100	<100	<100						
Lead, total recoverable	<47	<5	15						
Mercury, total recoverable	.263	.07	<.2						
Methacrylonitrile	<10	<5	<5						
Methyl ethyl ketone	<10	<10	<10						
Methyl isobutyl ketone	<10	<12	<12						
Methyl methacrylate		<5	<5						
Propionitrile	<50	<5	<5						
Selenium, total recoverable	<66	<5	<5						
Silver, total recoverable	<5	<2	<2						
Styrene	<5	<5	<5						
Tetrachloroethylene	<5	<5	<5						
Toluene	<5	<5	<5						
Trichloroethylene	<5	<5	<5						
Trichlorofluoromethane	<5	<5	<5						
Tritium	.98	1450	<.78						
Vinyl acetate	<10	<5	<5						
Xylenes	<5	<5	<5						
cis-1,3-Dichloropropene	<5	<5	<5						
trans-1,2-Dichloroethylene	<5								
trans-1,3-Dichloropropene	<5	<5	<5						
trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998 .

WELL: LFW 69C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82458.6	33.282 Deg N	89.1 - 79.1 ft msl	146.0 ft msl	2" PVC	V	L Steed Pond
E 45494.5	81.707 Deg W					

SAMPLE DATE 12/04/97 03/12/98 06/05/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	135.49	136.26	135.73		ft msl
Depth to water	8.61	7.84	8.37		ft
pH	3.8	3.6	3.9		pH
Sp. Conductance	54	46	50		uS/cm
Water temperature	17	17	19.7		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	.2	.4	.2		NTU
Volumes purged	2.51058	4.64596	3.54207		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<8.67	<10	<4.4						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			321						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	6	6.1	6						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	.49	<2	.5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 69C

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF Mod	Unit	Compliance Lab	Compliance Filter
Carbon disulfide	<5	<5	<5					
Carbon tetrachloride	<5	<5	<5					
Chlorobenzene	<5	<5	<5					
Chloroethane	<10	<10	<10					
Chloroethene (Vinyl chloride)	<10	<10	<10					
Chloroform	<5	<5	<5					
Chloromethane (Methyl chloride)	<10	<10	<10					
Chloroprene	<5	<5	<5					
Chromium, total recoverable	<7	<3	1.2					
Dibromochloromethane	<5	<5	<5					
Dibromomethane (Methylene bromide)	<5	<5	<5					
Dichlorodifluoromethane	<10	<5	<5					
Dichloromethane (Methylene chloride)	<5.54	<2	<3					
Ethylbenzene	<5	<5	<5					
Gross alpha	13.73	5.14	12.25					
Iodomethane (Methyl iodide)	<5	<5	<5					
Iron, total recoverable			15.3					
Isobutyl alcohol	<100	<100	<100					
Lead, total recoverable	<47	<5	<5					
Mercury, total recoverable	<.7	<.2	<.2					
Methacrylonitrile	<10	<5	<5					
Methyl ethyl ketone	<10	<10	<10					
Methyl isobutyl ketone	<10	<12	<12					
Methyl methacrylate		<5	<5					
Propionitrile	<50	<5	<5					
Selenium, total recoverable	<66	<5	<5					
Silver, total recoverable	<5	<2	<2					
Styrene	<5	<5	<5					
Tetrachloroethylene	<5	<5	<5					
Toluene	<5	<5	<5					
Trichloroethylene	<5	<5	<5					
Trichlorofluoromethane	<5	<5	<5					
Tritium	<.77	813	<.21					
Vinyl acetate	<10	<5	<5					
Xylenes	<5	<5	<5					
cis-1,3-Dichloropropene	<5	<5	<5					
trans-1,2-Dichloroethylene	<5							
trans-1,3-Dichloropropene	<5	<5	<5					
trans-1,4-Dichloro-2-butene	<20	<5	<5					

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 69D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82452.0	33.282 Deg N	139.0 - 119.0 ft msl	146.1 ft msl	2" PVC	V	U Steed Pond
E 45501.0	81.707 Deg W					

SAMPLE DATE	12/02/97	03/12/98	06/10/98	09/14/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	135.5	136.5	135.64	135.65	ft msl
Depth to water	8.5	7.5	8.36	8.35	ft
pH	4.4	5	5	5.1	pH
Sp. Conductance	58	48	53	52	uS/cm
Water temperature	17	16	23.4	27.3	deg. C
Alkalinity as CaCO3	0	10	3	8	mg/L
Turbidity	3.9	2	7.4	.8	NTU
Volumes purged	11.1461	11.5107	8.78517	12.6829	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,1-Dichloroethane	10.2	3.3	9	5.56	1		ug/L	EX	5.56
		1,1-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dibromoethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,2-Dichloropropane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		1,3-Dichlorobenzene				<5	1	U	ug/L	EX	< EQL
		1,4-Dichlorobenzene	30.1	9.9	21	19	1		ug/L	EX	19
		1,4-Dioxane				<1000	1	U	ug/L	EX	< EQL
		2-Hexanone	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Acetone	<10	<10	<10	<20	1	U	ug/L	EX	< EQL
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<500	1	U	ug/L	EX	< EQL
		Acrolein	<20	<10	<10	<50	1	U	ug/L	EX	< EQL
		Acrylonitrile	<5	<20	<5	<50	1	U	ug/L	EX	< EQL
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Aluminum, total recoverable			110	<200	1	U	ug/L	EX	< EQL
		Arsenic, total recoverable	8.4	<8	<8	<100	1	U	ug/L	EX	< EQL
		Barium, total recoverable	10.1	23.2	8	9.78	1	J	ug/L	EX	NDD
		Benzene	1.05	<5	.64	<5	1	U	ug/L	EX	< EQL
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998.

WELL: LFW 69D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromoform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Bromomethane (Methyl bromide)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Cadmium, total recoverable	<4.7	<2	.4	<10	1	U	ug/L	EX	< EQL
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chlorobenzene	9.25	3.8	6.7	5.92	1		ug/L	EX	5.92
		Chloroethane	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
+		Chloroethene (Vinyl chloride)	18.5	7.8	17	7.99	1		ug/L	EX	7.99
		Chloroform	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Chloromethane (Methyl chloride)	<10	<10	<10	<5	1	U	ug/L	EX	< EQL
		Chloroprene	<5	<5	<5	<50	1	U	ug/L	EX	< EQL
		Chromium, total recoverable	<2.4	<3	.8	<10	1	U	ug/L	EX	< EQL
		Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Dichlorodifluoromethane	1.32	1.3	1.4	<5	1	U	ug/L	EX	< EQL
		Dichloromethane (Methylene chloride)	<6.95	<2.1	<2.6	<10	1	U	ug/L	EX	< EQL
		Ethyl methacrylate				<5	1	U	ug/L	EX	< EQL
		Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Gross alpha	1.21	<.21	1.2	<.79	1	UIJ	pCi/L	TM	< EQL
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
+		Iron, total recoverable			3140	629	1		ug/L	EX	629
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	13.1	<100	1	U	ug/L	EX	< EQL
		Mercury, total recoverable	<.7	<.2	<.2	<.5	1	U	ug/L	EX	< EQL
		Methacrylonitrile	<10	<5	<5	<500	1	U	ug/L	EX	< EQL
		Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	EX	< EQL
		Methyl isobutyl ketone	<10	<12	<12	<5	1	U	ug/L	EX	< EQL
		Methyl methacrylate		<5	<5	<50	1	U	ug/L	EX	< EQL
		Pentachloroethane				<200	1	U	ug/L	EX	< EQL
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5	<200	1	U	ug/L	EX	< EQL
		Silver, total recoverable	<5	<2	<2	<20	1	U	ug/L	EX	< EQL
		Styrene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tetrachloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Toluene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichloroethylene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Trichlorofluoromethane	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		Tritium	8.72	5120	7.66	8.07	1		pCi/ml	TM	8.07
		Vinyl acetate	<10	<5	<5	<20	1	U	ug/L	EX	< EQL
		Xylenes	<5	<5	<5	<10	1	U	ug/L	EX	< EQL
		cis-1,2-Dichloroethylene				2.71	1	J	ug/L	EX	NDD
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 69D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5			<5	1	U	ug/L	EX	< EQL
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	EX	< EQL
		trans-1,4-Dichloro-2-butene	<20	<5	<5	<20	1	U	ug/L	EX	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 71B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82616.7	33.284 Deg N	67.0 - 57.0 ft msl	147.0 ft msl	2" PVC	V	L Steed Pond
E 46340.4	81.705 Deg W					

SAMPLE DATE	12/08/97	03/11/98	06/04/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	135.4	136.4	135.57		ft msl
Depth to water	9.5	8.5	9.33		ft
pH	4.2	3.8	4.2		pH
Sp. Conductance	48	50	50		uS/cm
Water temperature	19	17	20.6		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Turbidity	1	.3	.3		NTU
Volumes purged	6.05969	6.43424	4.15726		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichlorobenzene	<1								
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,3-Dichlorobenzene	<1								
		1,4-Dichlorobenzene	<5	<5	<5						
		1,4-Dioxane	<1								
		2-Hexanone	<10	<10	<10						
		2-Picoline	<1								
		Acetone	<10	<10	<10						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			309						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	5	4.2	4.5						
		Benzene	<5	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 71B

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
Bromodichloromethane	<5	<5	<5						
Bromoform	<5	<5	<5						
Bromomethane (Methyl bromide)	<10	<10	<10						
Cadmium, total recoverable	<4.7	<2	.3						
Carbon disulfide	<5	<5	<5						
Carbon tetrachloride	<5	<5	<5						
Chlorobenzene	<5	<5	<5						
Chloroethane	<10	<10	<10						
Chloroethene (Vinyl chloride)	<10	<10	<10						
Chloroform	<5	<5	<5						
Chloromethane (Methyl chloride)	<10	<10	<10						
Chloroprene	<5	<5	<5						
Chromium, total recoverable	3.6	.7	1						
Dibromochloromethane	<5	<5	<5						
Dibromomethane (Methylene bromide)	<5	<5	<5						
Dichlorodifluoromethane	<10	<5	<5						
Dichloromethane (Methylene chloride)	<5.58	<2.2	<2.8						
Ethyl methacrylate	<1								
Ethylbenzene	<5	<5	<5						
Gross alpha	<.15	4.19	10.09						
Iodomethane (Methyl iodide)	<5	<5	<5						
Iron, total recoverable			18.9						
Isobutyl alcohol	<100	<100	<100						
Lead, total recoverable	<47	<5	3.6						
Mercury, total recoverable	<.7	<.2	<.2						
Methacrylonitrile	<10	<5	<5						
Methyl ethyl ketone	<10	<10	<10						
Methyl isobutyl ketone	<10	<12	<12						
Methyl methacrylate	<1	<5	<5						
Pentachloroethane	<1								
Propionitrile	<50	<5	<5						
Selenium, total recoverable	<66	<5	<5						
Silver, total recoverable	<5	<2	<2						
Styrene	<5	<5	<5						
Tetrachloroethylene	<5	<5	<5						
Toluene	<5	<5	<5						
Trichloroethylene	<5	<5	<5						
Trichlorofluoromethane	<5	<5	<5						
Tritium	<.34	<307	<-1.14						
Vinyl acetate	<10	<5	<5						
Xylenes	<5	<5	<5						
cis-1,3-Dichloropropene	<5	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 71B

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 71C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82615.8	33.284 Deg N	90.4 - 80.4 ft msl	147.2 ft msl	2" PVC	V	M Steed Pond
E 46329.8	81.705 Deg W					

SAMPLE DATE	12/03/97	03/11/98	06/04/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	135.55	136.4	135.7		ft msl
Depth to water	9.65	8.8	9.5		ft
pH		4	4.5		pH
Sp. Conductance		40	38		uS/cm
Water temperature		17	20.2		deg. C
Alkalinity as CaCO3		0	0		mg/L
Turbidity		.3	.2		NTU
Volumes purged	0	6.72834	4.15017		well volumes
Sampling code	NP				

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5	<5						
		1,1,1-Trichloroethane		<5	<5						
		1,1,2,2-Tetrachloroethane		<5	<5						
		1,1,2-Trichloroethane		<5	<5						
		1,1-Dichloroethane		<5	<5						
		1,1-Dichloroethylene		<5	<5						
		1,2,3-Trichloropropane		<5	<5						
		1,2-Dibromo-3-chloropropane		<5	<5						
		1,2-Dibromoethane		<5	<5						
		1,2-Dichloroethane		<5	<5						
		1,2-Dichloropropane		<5	<5						
		1,4-Dichlorobenzene		<5	<5						
		2-Hexanone		<10	<10						
		Acetone		<10	<10						
		Acetonitrile (Methyl cyanide)		<20	<20						
		Acrolein		<10	<10						
		Acrylonitrile		<20	<5						
		Allyl chloride		<10	<10						
		Aluminum, total recoverable			90.1						
		Arsenic, total recoverable		<8	<8						
		Barium, total recoverable		11.3	7.4						
		Benzene		<5	<5						
		Bromodichloromethane		<5	<5						
		Bromoform		<5	<5						
		Bromomethane (Methyl bromide)		<10	<10						
		Cadmium, total recoverable		<2	.3						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 71C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide		<5	<5						
		Carbon tetrachloride		<5	<5						
		Chlorobenzene		<5	<5						
		Chloroethane		<10	<10						
		Chloroethene (Vinyl chloride)		<10	<10						
		Chloroform		<5	<5						
		Chloromethane (Methyl chloride)		<10	<10						
		Chloroprene		<5	<5						
		Chromium, total recoverable		1.1	1.1						
		Dibromochloromethane		<5	<5						
		Dibromomethane (Methylene bromide)		<5	<5						
		Dichlorodifluoromethane		<5	<5						
		Dichloromethane (Methylene chloride)		<2.2	<3.2						
		Ethylbenzene		<5	<5						
		Gross alpha		3.61	9.44						
		Iodomethane (Methyl iodide)		<5	<5						
		Iron, total recoverable			13.8						
		Isobutyl alcohol		<100	<100						
		Lead, total recoverable		<5	<5						
		Mercury, total recoverable		<.2	<.2						
		Methacrylonitrile		<5	<5						
		Methyl ethyl ketone		<10	<10						
		Methyl isobutyl ketone		<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile		<5	<5						
		Selenium, total recoverable		<5	<5						
		Silver, total recoverable		<2	<2						
		Styrene		<5	<5						
		Tetrachloroethylene		<5	<5						
		Toluene		<5	<5						
		Trichloroethylene		<5	<5						
		Trichlorofluoromethane		<5	<5						
		Tritium		<810	<.11						
		Vinyl acetate		<5	<5						
		Xylenes		<5	<5						
		cis-1,3-Dichloropropene		<5	<5						
		trans-1,3-Dichloropropene		<5	<5						
		trans-1,4-Dichloro-2-butene		<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 71D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82615.1 E 46319.8	33.284 Deg N 81.705 Deg W	135.5 - 115.5 ft msl	147.4 ft msl	2" PVC	V	U Steed Pond

SAMPLE DATE 12/03/97 03/11/98 06/04/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation	135.4	137	135.2		ft msl
Depth to water	10.1	8.5	10.3		ft
pH	4.6	5	4.5		pH
Sp. Conductance	22	24	21		uS/cm
Water temperature	17	14	18.3		deg. C
Alkalinity as CaCO3	0	4	0		mg/L
Turbidity	.2	.9	.2		NTU
Volumes purged	3.63616	25.2762	16.9377		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane	<5	<5	<5						
		1,1,1-Trichloroethane	<5	<5	<5						
		1,1,2,2-Tetrachloroethane	<5	<5	<5						
		1,1,2-Trichloroethane	<5	<5	<5						
		1,1-Dichloroethane	<5	<5	<5						
		1,1-Dichloroethylene	<5	<5	<5						
		1,2,3-Trichloropropane	<5	<5	<5						
		1,2-Dibromo-3-chloropropane	<5	<5	<5						
		1,2-Dibromoethane	<5	<5	<5						
		1,2-Dichloroethane	<5	<5	<5						
		1,2-Dichloropropane	<5	<5	<5						
		1,4-Dichlorobenzene	<5	<5	<5						
		2-Hexanone	<10	<10	<10						
		Acetone	<10	<10	<6.6						
		Acetonitrile (Methyl cyanide)	<20	<20	<20						
		Acrolein	<20	<10	<10						
		Acrylonitrile	<5	<20	<5						
		Allyl chloride	<10	<10	<10						
		Aluminum, total recoverable			30.7						
		Arsenic, total recoverable	<40	<8	<8						
		Barium, total recoverable	7.5	7.6	5.1						
		Benzene	<5	<5	<5						
		Bromodichloromethane	<5	<5	<5						
		Bromoform	<5	<5	<5						
		Bromomethane (Methyl bromide)	<10	<10	<10						
		Cadmium, total recoverable	<4.7	<2	.4						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 71D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Carbon disulfide	<5	<5	<5						
		Carbon tetrachloride	<5	<5	<5						
		Chlorobenzene	<5	<5	<5						
		Chloroethane	<10	<10	<10						
		Chloroethene (Vinyl chloride)	<10	<10	<10						
		Chloroform	<5	<5	<5						
		Chloromethane (Methyl chloride)	<10	<10	<10						
		Chloroprene	<5	<5	<5						
		Chromium, total recoverable	1.2	<3	1.4						
		Dibromochloromethane	<5	<5	<5						
		Dibromomethane (Methylene bromide)	<5	<5	<5						
		Dichlorodifluoromethane	<10	<5	<5						
		Dichloromethane (Methylene chloride)	<6.5	<2.1	<3						
		Ethylbenzene	<5	<5	<5						
		Gross alpha	<.19	<-.66	<-.01						
		Iodomethane (Methyl iodide)	<5	<5	<5						
		Iron, total recoverable			9.2						
		Isobutyl alcohol	<100	<100	<100						
		Lead, total recoverable	<47	<5	<5						
		Mercury, total recoverable	<.7	<.2	<.2						
		Methacrylonitrile	<10	<5	<5						
		Methyl ethyl ketone	<10	<10	<10						
		Methyl isobutyl ketone	<10	<12	<12						
		Methyl methacrylate		<5	<5						
		Propionitrile	<50	<5	<5						
		Selenium, total recoverable	<66	<5	<5						
		Silver, total recoverable	<5	<2	1.4						
		Styrene	<5	<5	<5						
		Tetrachloroethylene	<5	<5	<5						
		Toluene	<5	<5	<5						
		Trichloroethylene	<5	<5	<5						
		Trichlorofluoromethane	<5	<5	<5						
		Tritium	1.15	1260	<1.22						
		Vinyl acetate	<10	<5	<5						
		Xylenes	<5	<5	<5						
		cis-1,3-Dichloropropene	<5	<5	<5						
		trans-1,2-Dichloroethylene	<5								
		trans-1,3-Dichloropropene	<5	<5	<5						
		trans-1,4-Dichloro-2-butene	<20	<5	<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 74C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 85813.8	33.289 Deg N	116.0 - 101.0 ft msl	213.6 ft msl	4" PVC	S	M Steed Pond
E 45097.8	81.715 Deg W					

SAMPLE DATE 02/02/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		160.8			ft msl
Depth to water		50.6			ft
pH		4.5			pH
Sp. Conductance		32			uS/cm
Water temperature		18.1			deg. C
Alkalinity as CaCO3		0			mg/L
Turbidity		.7			NTU
Volumes purged		2.82750			well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		<5							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		<5							
		1,1-Dichloroethylene		<5							
		1,2,3-Trichloropropane		<5							
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,3-Dichlorobenzene		<5							
		1,4-Dichlorobenzene		<5							
		1,4-Dioxane		<1000							
		2-Chloroethyl vinyl ether		<5							
		2-Hexanone		<10							
		Acetone		<10							
		Acetonitrile (Methyl cyanide)		<20							
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Aluminum, total recoverable		<100							
		Antimony, total recoverable		<5							
		Arsenic, total recoverable		<8							
		Barium, total recoverable		5.2							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 74C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Benzene		<5							
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane		<5							
		Bromoform		<5							
		Bromomethane (Methyl bromide)		<10							
		Cadmium, total recoverable		<2							
		Calcium, total recoverable		<1410							
		Carbon disulfide		<5							
		Carbon tetrachloride		<5							
		Chlorobenzene		<5							
		Chloroethane		<10							
		Chloroethene (Vinyl chloride)		<10							
		Chloroform		<5							
		Chloromethane (Methyl chloride)		<10							
		Chloroprene		<5							
		Chromium, total recoverable		<3							
		Cobalt, total recoverable		<5							
		Copper, total recoverable		2.3							
		Di-n-butyl phthalate		<10							
		Dibromochloromethane		<5							
		Dibromomethane (Methylene bromide)		<5							
		Dichlorodifluoromethane		<5							
		Dichloromethane (Methylene chloride)		<2.3							
		Ethyl methacrylate		<10							
		Ethylbenzene		<5							
		Iodomethane (Methyl iodide)		<5							
		Iron, total recoverable		<25.6							
		Isobutyl alcohol		<100							
		Lead, total recoverable		<5							
		Magnesium, total recoverable		<656							
		Manganese, total recoverable		2.81							
		Methacrylonitrile		<5							
		Methyl ethyl ketone		<10							
		Methyl isobutyl ketone		<12							
		Methyl methacrylate		<5							
		Nickel, total recoverable		<5							
		Pentachloroethane		<20							
		Potassium, total recoverable		<1000							
		Propionitrile		<5							
		Selenium, total recoverable		<5							
		Silver, total recoverable		<2							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 74C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Sodium, total recoverable		<2540							
		Specific conductance		32.6							
		Styrene		<5							
		Tetrachloroethylene		<5							
		Thallium, total recoverable		<5							
		Toluene		<5							
		Trichloroethylene		<5							
		Trichlorofluoromethane		<5							
		Tritium		1430							
		Vanadium, total recoverable		.4							
		Vinyl acetate		<5							
		Xylenes		<5							
		Zinc, total recoverable		18.1							
		beta-Benzene hexachloride		<.05							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		pH		5.19							
		trans-1,2-Dichloroethylene		<5							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 74D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 85828.1	33.289 Deg N	167.7 - 152.7 ft msl	213.9 ft msl	4" PVC	S	U Steed Pond
E 45098.0	81.715 Deg W					

SAMPLE DATE 02/02/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		160.85			ft msl
Depth to water		50.85			ft
pH		4.5			pH
Sp. Conductance		23			uS/cm
Water temperature		18.2			deg. C
Alkalinity as CaCO3		0			mg/L
Turbidity		1.9			NTU
Volumes purged		8.68976			well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		1.1							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		<5							
		1,1-Dichloroethylene		<5							
		1,2,3-Trichloropropane		<5							
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,4-Dichlorobenzene		<5							
		2-Hexanone		<10							
		Acetone		50							
		Acetonitrile (Methyl cyanide)		<20							
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Antimony, total recoverable		<5							
		Arsenic, total recoverable		<8							
		Barium, total recoverable		4							
		Benzene		<5							
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 74D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromoform		<5							
		Bromomethane (Methyl bromide)		<10							
		Cadmium, total recoverable		<2							
		Carbon disulfide		<5							
		Carbon tetrachloride		<5							
		Chlorobenzene		<5							
		Chloroethane		<10							
		Chloroethene (Vinyl chloride)		<10							
		Chloroform		<5							
		Chloromethane (Methyl chloride)		<10							
		Chloroprene		<5							
		Chromium, total recoverable		<3							
		Cobalt, total recoverable		<5							
		Copper, total recoverable		2.7							
		Di-n-butyl phthalate		<1.5							
		Dibromochloromethane		<5							
		Dibromomethane (Methylene bromide)		<5							
		Dichlorodifluoromethane		<5							
		Dichloromethane (Methylene chloride)		<2.1							
		Ethylbenzene		<5							
		Iodomethane (Methyl iodide)		<5							
		Isobutyl alcohol		<100							
		Lead, total recoverable		3.8							
		Methacrylonitrile		<5							
		Methyl ethyl ketone		<10							
		Methyl isobutyl ketone		<12							
		Methyl methacrylate		<5							
		Nickel, total recoverable		<5							
		Propionitrile		<5							
		Selenium, total recoverable		<5							
		Silver, total recoverable		<2							
		Specific conductance		17.4							
		Styrene		<5							
		Tetrachloroethylene		<5							
		Thallium, total recoverable		<5							
		Toluene		<5							
		Trichloroethylene		<5							
		Trichlorofluoromethane		11							
		Tritium		1550							
		Unknown		<41.06							
		Vanadium, total recoverable		.4							
		Vinyl acetate		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 74D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Xylenes		<5							
		Zinc, total recoverable		19.9							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		pH		5.2							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 75C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 85856.8	33.290 Deg N	115.6 - 100.6 ft msl	197.8 ft msl	4" PVC	S	M Steed Pond
E 45357.0	81.714 Deg W					

SAMPLE DATE 02/02/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		160.82			ft msl
Depth to water		34.78			ft
pH		4.7			pH
Sp. Conductance		31			uS/cm
Water temperature		18.8			deg. C
Alkalinity as CaCO3		0			mg/L
Turbidity		.5			NTU
Volumes purged		2.90616			well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		<5							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		<5							
		1,1-Dichloroethylene		<5							
		1,2,3-Trichloropropane		<5							
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,4-Dichlorobenzene		<5							
		2-Hexanone		<10							
		Acetone		<10							
		Acetonitrile (Methyl cyanide)		<20							
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Antimony, total recoverable		<5							
		Arsenic, total recoverable		<8							
		Barium, total recoverable		6.2							
		Benzene		<5							
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 75C

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF Mod	Unit	Compliance Lab	Compliance Filter
Bromoform		<5						
Bromomethane (Methyl bromide)		<10						
Cadmium, total recoverable		<2						
Carbon disulfide		<5						
Carbon tetrachloride		<5						
Chlorobenzene		<5						
Chloroethane		<10						
Chloroethene (Vinyl chloride)		<10						
Chloroform		<5						
Chloromethane (Methyl chloride)		<10						
Chloroprene		<5						
Chromium, total recoverable		<3						
Cobalt, total recoverable		<5						
Copper, total recoverable		<3						
Di-n-butyl phthalate		<.93						
Dibromochloromethane		<5						
Dibromomethane (Methylene bromide)		<5						
Dichlorodifluoromethane		<5						
Dichloromethane (Methylene chloride)		<2.3						
Ethylbenzene		<5						
Iodomethane (Methyl iodide)		<5						
Isobutyl alcohol		<100						
Lead, total recoverable		<5						
Methacrylonitrile		<5						
Methyl ethyl ketone		<10						
Methyl isobutyl ketone		<12						
Methyl methacrylate		<5						
Nickel, total recoverable		<5						
Propionitrile		<5						
Selenium, total recoverable		<5						
Silver, total recoverable		<2						
Specific conductance		31						
Styrene		<5						
Tetrachloroethylene		<5						
Thallium, total recoverable		<5						
Toluene		<5						
Trichloroethylene		<5						
Trichlorofluoromethane		<5						
Tritium		952						
Vanadium, total recoverable		<2						
Vinyl acetate		<5						
Xylenes		<5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 75C

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Zinc, total recoverable		38.4							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		pH		5.05							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 75D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 85868.0	33.290 Deg N	166.0 - 151.0 ft msl	198.2 ft msl	4" PVC	S	U Steed Pond
E 45355.6	81.714 Deg W					

SAMPLE DATE 02/02/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		161.25			ft msl
Depth to water		34.75			ft
pH		5.1			pH
Sp. Conductance		33			uS/cm
Water temperature		19.8			deg. C
Alkalinity as CaCO3		4			mg/L
Turbidity		2.5			NTU
Volumes purged		6.85670			well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		<5							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		<5							
		1,1-Dichloroethylene		<5							
		1,2,3-Trichloropropane		<5							
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,4-Dichlorobenzene		<5							
		2-Hexanone		<10							
		Acetone		<10							
		Acetonitrile (Methyl cyanide)		<20							
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Antimony, total recoverable		<5							
		Arsenic, total recoverable		<8							
		Barium, total recoverable		9.9							
		Benzene		<5							
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 75D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Bromoform		<5							
		Bromomethane (Methyl bromide)		<10							
		Cadmium, total recoverable		.3							
		Carbon disulfide		<5							
		Carbon tetrachloride		<5							
		Chlorobenzene		<5							
		Chloroethane		<10							
		Chloroethene (Vinyl chloride)		<10							
		Chloroform		<5							
		Chloromethane (Methyl chloride)		<10							
		Chloroprene		<5							
		Chromium, total recoverable		<3							
		Cobalt, total recoverable		<5							
		Copper, total recoverable		<3							
		Di-n-butyl phthalate		<.98							
		Dibromochloromethane		<5							
		Dibromomethane (Methylene bromide)		<5							
		Dichlorodifluoromethane		<5							
		Dichloromethane (Methylene chloride)		<2.1							
		Ethylbenzene		<5							
		Iodomethane (Methyl iodide)		<5							
		Isobutyl alcohol		<100							
		Lead, total recoverable		6.9							
		Methacrylonitrile		<5							
		Methyl ethyl ketone		<10							
		Methyl isobutyl ketone		<12							
		Methyl methacrylate		<5							
		Nickel, total recoverable		<5							
		Propionitrile		<5							
		Selenium, total recoverable		<5							
		Silver, total recoverable		<2							
		Specific conductance		31.6							
		Styrene		<5							
		Tetrachloroethylene		<5							
		Thallium, total recoverable		<5							
		Toluene		<5							
		Trichloroethylene		<5							
		Trichlorofluoromethane		2.8							
		Tritium		1270							
		Vanadium, total recoverable		<2							
		Vinyl acetate		<5							
		Xylenes		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 75D

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Zinc, total recoverable		33.5							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		pH		5.85							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 76

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 85682.1 E 44758.6	33.288 Deg N 81.715 Deg W	157.9 - 142.9 ft msl	221.9 ft msl	2" PVC	V	U Steed Pond

SAMPLE DATE

	02/17/98		09/26/98	
FIELD DATA				
Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		157.85		158.89	ft msl
Depth to water		61.55		60.51	ft
pH		5		4.7	pH
Sp. Conductance		89		18	uS/cm
Water temperature		22.2		21	deg. C
Alkalinity as CaCO3		11		2	mg/L
Turbidity		14.6		10.4	NTU
Volumes purged		5.24146		.329776	well volumes
Sampling code		NX		NX	

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		<5							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		<5							
		1,1-Dichloroethylene		<5							
		1,2,3-Trichloropropane		<5							
		1,2,4,5-Tetrachlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,2,4-Trichlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5		<10.2	1	U	ug/L	WA	< EQL
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,3,5-Trinitrobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,3-Dichlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,3-Dinitrobenzene				<10.2	1	U	ug/L	WA	< EQL
		1,4-Dichlorobenzene		<5		<10.2	1	U	ug/L	WA	< EQL
		1,4-Dioxane				<10.2	1	U	ug/L	WA	< EQL
		1,4-Naphthoquinone				<10.2	1	U	ug/L	WA	< EQL
		1-Naphthylamine				<10.2	1	U	ug/L	WA	< EQL
		2,3,4,6-Tetrachlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,4,5-Trichlorophenol				<25.5	1	U	ug/L	WA	< EQL
		2,4,6-Trichlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,4-Dichlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,4-Dimethyl phenol				<10.2	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998.

WELL: LFW 76

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		2,4-Dinitrophenol				<25.5	1	U	ug/L	WA	< EQL
		2,4-Dinitrotoluene				<10.2	1	U	ug/L	WA	< EQL
		2,6-Dichlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2,6-Dinitrotoluene				<10.2	1	U	ug/L	WA	< EQL
		2-Acetylaminofluorene				<10.2	1	U	ug/L	WA	< EQL
		2-Chloronaphthalene				<10.2	1	U	ug/L	WA	< EQL
		2-Chlorophenol				<10.2	1	U	ug/L	WA	< EQL
		2-Hexanone		<10							
		2-Methyl-4,6-dinitrophenol				<25.5	1	U	ug/L	WA	< EQL
		2-Methylnaphthalene				<10.2	1	U	ug/L	WA	< EQL
		2-Naphthylamine				<10.2	1	U	ug/L	WA	< EQL
		2-Nitrophenol				<10.2	1	U	ug/L	WA	< EQL
		2-Picoline				<10.2	1	U	ug/L	WA	< EQL
		2-sec-Butyl-4,6-dinitrophenol				<51	1	U	ug/L	WA	< EQL
		3,3''-Dichlorobenzidine				<10.2	1	U	ug/L	WA	< EQL
		3,3''-Dimethylbenzidine				<10.2	1	U	ug/L	WA	< EQL
		3-Methylcholanthrene				<10.2	1	U	ug/L	WA	< EQL
		4-Aminobiphenyl				<10.2	1	U	ug/L	WA	< EQL
		4-Bromophenyl phenyl ether				<10.2	1	U	ug/L	WA	< EQL
		4-Chloro-m-cresol				<10.2	1	U	ug/L	WA	< EQL
		4-Chloroaniline				<10.2	1	U	ug/L	WA	< EQL
		4-Chlorophenyl phenyl ether				<10.2	1	U	ug/L	WA	< EQL
		4-Nitrophenol				<25.5	1	U	ug/L	WA	< EQL
		4-Nitroquinoline-1-oxide				<20.4	1	U	ug/L	WA	< EQL
		5-Nitro-o-toluidine				<10.2	1	U	ug/L	WA	< EQL
		7,12-Dimethylbenz(a)anthracene				<10.2	1	U	ug/L	WA	< EQL
		Acenaphthene				<10.2	1	U	ug/L	WA	< EQL
		Acenaphthylene				<10.2	1	U	ug/L	WA	< EQL
		Acetone		<4.6							
		Acetonitrile (Methyl cyanide)		<20							
		Acetophenone				<10.2	1	U	ug/L	WA	< EQL
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Aniline				<10.2	1	U	ug/L	WA	< EQL
		Anthracene				<10.2	1	U	ug/L	WA	< EQL
		Antimony, total recoverable		<5							
		Aramite				<20.4	1	U	ug/L	WA	< EQL
		Arsenic, total recoverable		<8							
		Barium, total recoverable		3.3							
		Benzene		<5							
		Benzo(a)anthracene				<10.2	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 76

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Benzo(a)pyrene				<10.2	1	U	ug/L	WA	< EQL
		Benzo(b)fluoranthene				<10.2	1	U	ug/L	WA	< EQL
		Benzo(g,h,i)perylene				<10.2	1	U	ug/L	WA	< EQL
		Benzo(k)fluoranthene				<10.2	1	U	ug/L	WA	< EQL
		Benzoic acid				<25.5	1	U	ug/L	WA	< EQL
		Benzyl alcohol				<10.2	1	U	ug/L	WA	< EQL
		Beryllium, total recoverable		<1							
		Bis(2-chloroethoxy) methane				<10.2	1	U	ug/L	WA	< EQL
		Bis(2-chloroethyl) ether				<10.2	1	U	ug/L	WA	< EQL
		Bis(2-chloroisopropyl) ether				<10.2	1	U	ug/L	WA	< EQL
		Bis(2-ethylhexyl) phthalate				<.78	1	U	ug/L	WA	< EQL
		Bromochloromethane		<10							
		Bromodichloromethane		<5							
		Bromoform		<5							
		Bromomethane (Methyl bromide)		<10							
		Butylbenzyl phthalate				<10.2	1	U	ug/L	WA	< EQL
		Cadmium, total recoverable		.5							
		Carbon disulfide		<5							
		Carbon tetrachloride		<5							
		Chlorobenzene		<5							
		Chlorobenzilate				<10.2	1	U	ug/L	WA	< EQL
		Chloroethane		<10							
		Chloroethene (Vinyl chloride)		<10							
		Chloroform		<5							
		Chloromethane (Methyl chloride)		<10							
		Chloroprene		<5							
		Chromium, total recoverable		11.8							
		Chrysene				<10.2	1	U	ug/L	WA	< EQL
		Cobalt, total recoverable		<5							
		Copper, total recoverable		2.8							
		Di-n-butyl phthalate		<10		<.586	1	J	ug/L	WA	NDD
		Di-n-octyl phthalate				<10.2	1	U	ug/L	WA	< EQL
		Diallate				<10.2	1	U	ug/L	WA	< EQL
		Dibenz(a,h)anthracene				<10.2	1	U	ug/L	WA	< EQL
		Dibenzofuran				<10.2	1	U	ug/L	WA	< EQL
		Dibromochloromethane		<5							
		Dibromomethane (Methylene bromide)		<5							
		Dichlorodifluoromethane		<5							
		Dichloromethane (Methylene chloride)		<2.1							
		Diethyl phthalate				<10.2	1	U	ug/L	WA	< EQL
		Dimethoate				<.51	1	U	ug/L	WA	< EQL
		Dimethyl phthalate				<10.2	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 76

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Diphenylamine				<10.2	1	U	ug/L	WA	< EQL
		Disulfoton				<.51	1	U	ug/L	WA	< EQL
		Ethyl methacrylate				<10.2	1	U	ug/L	WA	< EQL
		Ethyl methanesulfonate				<10.2	1	U	ug/L	WA	< EQL
		Ethylbenzene		<5							
		Famphur				<1.33	1	U	ug/L	WA	< EQL
		Fluoranthene				<10.2	1	U	ug/L	WA	< EQL
		Fluorene				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorobenzene				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorobutadiene				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorocyclopentadiene				<10.2	1	U	ug/L	WA	< EQL
		Hexachloroethane				<10.2	1	U	ug/L	WA	< EQL
		Hexachlorophene				<102	1	U	ug/L	WA	< EQL
		Hexachloropropene				<10.2	1	U	ug/L	WA	< EQL
		Indeno(1,2,3-c,d)pyrene				<10.2	1	U	ug/L	WA	< EQL
		Iodomethane (Methyl iodide)		<5							
		Isobutyl alcohol		<100							
		Isophorone				<10.2	1	U	ug/L	WA	< EQL
		Isosafrole				<10.2	1	U	ug/L	WA	< EQL
		Lead, total recoverable		6.4							
		Methacrylonitrile		<5							
		Methapyrilene				<10.2	1	U	ug/L	WA	< EQL
		Methyl ethyl ketone		<10							
		Methyl isobutyl ketone		<12							
		Methyl methacrylate		<5		<10.2	1	U	ug/L	WA	< EQL
		Methyl methanesulfonate				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodi-n-butylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodiethylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodimethylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodiphenylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosodipropylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosomethylethylamine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosomorpholine				<10.2	1	U	ug/L	WA	< EQL
		N-Nitrosopiperidine				<51	1	U	ug/L	WA	< EQL
		N-Nitrosopyrrolidine				<10.2	1	U	ug/L	WA	< EQL
		Naphthalene				<10.2	1	U	ug/L	WA	< EQL
		Nickel, total recoverable		19.1							
		Nitrobenzene				<10.2	1	U	ug/L	WA	< EQL
		O,O,O-Triethyl phosphorothioate				<.51	1	U	ug/L	WA	< EQL
		Parathion ethyl				<.51	1	U	ug/L	WA	< EQL
		Parathion methyl				<.51	1	U	ug/L	WA	< EQL
		Pentachlorobenzene				<10.2	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 76

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Lab	Compliance Filter
		Pentachloroethane				<10.2	1	U	ug/L	WA	< EQL
		Pentachloronitrobenzene				<51	1	U	ug/L	WA	< EQL
		Pentachlorophenol				<25.5	1	U	ug/L	WA	< EQL
		Phenacetin				<10.2	1	U	ug/L	WA	< EQL
		Phenanthrene				<10.2	1	U	ug/L	WA	< EQL
		Phenol				<10.2	1	U	ug/L	WA	< EQL
		Phorate				<1.02	1	U	ug/L	WA	< EQL
		Pronamid				<10.2	1	U	ug/L	WA	< EQL
		Propionitrile		<5							
		Pyrene				<10.2	1	U	ug/L	WA	< EQL
		Pyridine				<10.2	1	U	ug/L	WA	< EQL
		Safrole				<10.2	1	U	ug/L	WA	< EQL
		Selenium, total recoverable		<5							
		Silver, total recoverable		<2							
		Specific conductance		49.6							
		Styrene		<5							
		Sulfotepp				<1.02	1	U	ug/L	WA	< EQL
		Tetrachloroethylene		<5							
		Thallium, total recoverable		<5							
		Thionazin				<.51	1	U	ug/L	WA	< EQL
		Toluene		<5							
		Trichloroethylene		<5							
		Trichlorofluoromethane		<5							
		Tritium		829							
		Unknown 13		<4.27							
		Unknown 15		<5.08							
		Unknown 16		<4.67							
		Unknown 17		<8.79							
		Vanadium, total recoverable		2.9							
		Vinyl acetate		<5							
		Xylenes		<5							
		Zinc, total recoverable		18.8							
		a,a-Dimethylphenethylamine				<10.2	1	U	ug/L	WA	< EQL
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		m-Cresol (3-Methylphenol)				<10.2	1	U	ug/L	WA	< EQL
		m-Nitroaniline				<25.5	1	U	ug/L	WA	< EQL
		o-Cresol (2-Methylphenol)				<10.2	1	U	ug/L	WA	< EQL
		o-Nitroaniline				<25.5	1	U	ug/L	WA	< EQL
		o-Toluidine				<10.2	1	U	ug/L	WA	< EQL
		p-Cresol (4-Methylphenol)				<10.2	1	U	ug/L	WA	< EQL

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 76

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		p-Dimethylaminoazobenzene				<10.2	1	U	ug/L	WA	< EQL
		p-Nitroaniline				<25.5	1	U	ug/L	WA	< EQL
		p-Phenylenediamine				<10.2	1	U	ug/L	WA	< EQL
		pH		6.84							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1998.

WELL: LFW 77

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 86461.7	33.290 Deg N	159.2 - 144.2 ft msl	222.7 ft msl	2" PVC	V	U Steed Pond
E 44866.5	81.717 Deg W					

SAMPLE DATE 02/06/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		161.48			ft msl
Depth to water		58.67			ft
pH		5.5			pH
Sp. Conductance		110			uS/cm
Water temperature		18.5			deg. C
Alkalinity as CaCO3		11			mg/L
Turbidity		205			NTU
Volumes purged		1.22997			well volumes
Sampling code		NX			

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		<5							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		<5							
		1,1-Dichloroethylene		<5							
		1,2,3-Trichloropropane		<5							
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,4-Dichlorobenzene		<5							
		2-Hexanone		<10							
		Acetone		<4.4							
		Acetonitrile (Methyl cyanide)		<20							
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Benzene		<5							
		Bromochloromethane		<10							
		Bromodichloromethane		<5							
		Bromoform		<5							
		Bromomethane (Methyl bromide)		<10							
		Carbon disulfide		<5							
		Carbon tetrachloride		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 77

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Chlorobenzene		<5							
		Chloroethane		<10							
		Chloroethene (Vinyl chloride)		<10							
		Chloroform		<5							
		Chloromethane (Methyl chloride)		<10							
		Chloroprene		<5							
		Di-n-butyl phthalate		<10							
		Dibromochloromethane		<5							
		Dibromomethane (Methylene bromide)		<5							
		Dichlorodifluoromethane		<5							
		Dichloromethane (Methylene chloride)		<3.4							
		Ethylbenzene		<5							
		Iodomethane (Methyl iodide)		<5							
		Isobutyl alcohol		<100							
		Methacrylonitrile		<5							
		Methyl ethyl ketone		<10							
		Methyl isobutyl ketone		<12							
		Methyl methacrylate		<5							
		Propionitrile		<5							
		Specific conductance		60.6							
		Styrene		<5							
		Tetrachloroethylene		<5							
		Toluene		<5							
		Trichloroethylene		<5							
		Trichlorofluoromethane		<5							
		Tritium		<668							
		Vinyl acetate		<5							
		Xylenes		<5							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		pH		6.02							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 78

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 86064.9	33.289 Deg N	164.9 - 149.9 ft msl	238.9 ft msl	2"PVC	V	U Steed Pond
E 44726.5	81.716 Deg W					

SAMPLE DATE 02/17/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Water Elevation		159.6			ft msl
Depth to water		76.82			ft
pH		5.5			pH
Sp. Conductance		55			uS/cm
Water temperature		27.8			deg. C
Alkalinity as CaCO3		6			mg/L
Turbidity		14			NTU
Volumes purged		13.0161			well volumes
Sampling code		NX			

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		1,1,1,2-Tetrachloroethane		<5							
		1,1,1-Trichloroethane		<5							
		1,1,2,2-Tetrachloroethane		<5							
		1,1,2-Trichloroethane		<5							
		1,1-Dichloroethane		<5							
		1,1-Dichloroethylene		<5							
		1,2,3-Trichloropropane		<5							
		1,2-Dibromo-3-chloropropane		<5							
		1,2-Dibromoethane		<5							
		1,2-Dichlorobenzene		<5							
		1,2-Dichloroethane		<5							
		1,2-Dichloropropane		<5							
		1,4-Dichlorobenzene		<5							
		2-Hexanone		<10							
		Acetone		<10							
		Acetonitrile (Methyl cyanide)		<20							
		Acrolein		<10							
		Acrylonitrile		<20							
		Allyl chloride		<10							
		Antimony, total recoverable		<5							
		Arsenic, total recoverable		<8							
		Barium, total recoverable		5							
		Benzene		<5							
		Beryllium, total recoverable		<1							
		Bromochloromethane		<10							
		Bromodichloromethane		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 78

ANALYTICAL DATA

H ST Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF Mod	Unit	Compliance Lab	Compliance Filter
Bromoform		<5						
Bromomethane (Methyl bromide)		<10						
Cadmium, total recoverable		<2						
Carbon disulfide		<5						
Carbon tetrachloride		<5						
Chlorobenzene		<5						
Chloroethane		<10						
Chloroethene (Vinyl chloride)		<10						
Chloroform		<5						
Chloromethane (Methyl chloride)		<10						
Chloroprene		<5						
Chromium, total recoverable		9.1						
Cobalt, total recoverable		<5						
Copper, total recoverable		1.4						
Di-n-butyl phthalate		<.55						
Dibromochloromethane		<5						
Dibromomethane (Methylene bromide)		<5						
Dichlorodifluoromethane		<5						
Dichloromethane (Methylene chloride)		<2.3						
Ethylbenzene		<5						
Iodomethane (Methyl iodide)		<5						
Isobutyl alcohol		<100						
Lead, total recoverable		6.5						
Methacrylonitrile		<5						
Methyl ethyl ketone		<10						
Methyl isobutyl ketone		<12						
Methyl methacrylate		<5						
Nickel, total recoverable		7.9						
Propionitrile		<5						
Selenium, total recoverable		<5						
Silver, total recoverable		<2						
Specific conductance		51.6						
Styrene		<5						
Tetrachloroethylene		<5						
Thallium, total recoverable		<5						
Toluene		<5						
Trichloroethylene		<5						
Trichlorofluoromethane		24						
Tritium		1180						
Unknown 15		<4.76						
Unknown 17		<5.68						
Vanadium, total recoverable		4.5						

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

WELL: LFW 78

ANALYTICAL DATA

H	ST	Analyte	1Q1998	2Q1998	3Q1998	4Q1998	DF	Mod	Unit	Compliance Lab	Compliance Filter
		Vinyl acetate		<5							
		Xylenes		<5							
		Zinc, total recoverable		25.8							
		beta-Benzene hexachloride		<.015							
		cis-1,2-Dichloroethylene		<5							
		cis-1,3-Dichloropropene		<5							
		pH		6.48							
		trans-1,3-Dichloropropene		<5							
		trans-1,4-Dichloro-2-butene		<5							

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter1998 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter1998.
+ = exceeded screening level or final primary drinking water standard for fourth quarter1998 .

Appendix E

Data Quality/Usability Assessment

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Data Quality/Usability Assessment

Quality assurance/quality control (QA/QC) procedures relating to accuracy and precision of analyses performed on groundwater samples are followed in the field and laboratory and are reviewed prior to publication of results. The review by the Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) of the volume of analytical data acquired each quarter and presented in various reports is an ongoing process; its review of the QA/QC data cannot be completed in time to meet the deadlines for the reports required by the Resource Conservation and Recovery Act and associated regulations. Other site and regulatory personnel can obtain further information on the data quality and usability in a variety of ways, including those described below.

Data Qualification

The contract laboratories continually assess their own accuracy and precision according to U.S. Environmental Protection Agency (EPA) guidelines. They submit sample- or batch-specific QA/QC information either at the same time as analytical results or in quarterly summaries. Properly defined and used result modifiers (also referred to as qualifiers) can be a key component in assessing data usability. Result modifiers designed by EPD/EMS and used by the primary laboratories are presented in Appendix D.

Assessment of Accuracy of the Data

Accuracy, or the nearness of the reported result to the true concentration of a constituent in a sample, can be assessed in several ways.

A laboratory's general accuracy can be judged by analysis of results obtained from known samples. The non-radionuclide contract laboratories analyze commercial reference samples every quarter at EPD/EMS' request. The results of these analyses are presented in the EPD/EMS groundwater monitoring quarterly reports. The primary laboratories also seek or maintain state certification by participating periodically in performance studies; reference samples and analysis of results are provided by EPA. Results of these studies also are published in the EPD/EMS quarterly reports.

Analysis of blanks provides a tool for assessing the accuracy of both sampling and laboratory analysis. Results for all field blanks for the quarter can be found in the EPD/EMS quarterly reports. Any field or laboratory blanks that exceed established minimums are identified in the same reports, in tables associating them with groundwater samples analyzed in the same batches.

Surrogates, organic compounds similar in chemical behavior to the compounds of interest but not normally found in environmental samples, are used to monitor the effect of the matrix on the accuracy of analyses for organic parameters. For example, for analyses of volatile organics by EPA Method 8240, three surrogate compounds are added to all samples and blanks in each analytical batch. In analyses of semivolatile organics, three acid compounds and three base/neutral compounds are used. Two surrogates are used in organochlorine pesticides analyses. Percent recoveries for surrogate analyses are calculated by laboratory personnel, reported to EPD/EMS, reviewed, and entered into the database, but they are not published. If recoveries are not within specified limits,, the laboratory is expected to reanalyze the samples or attach qualifiers to the data identifying the anomalous results.

Sample-specific accuracy for both organic and inorganic parameters can be assessed by examination of matrix spike/matrix spike duplicate results. A sample is analyzed unspiked to determine a baseline set of values. A second portion of the sample is spiked with known concentrations of compounds appropriate to the analyses being performed, typically five volatile organic compounds for volatile organics analyses, eleven semivolatile compounds for semivolatiles, six pesticide compounds for pesticides, all metals for metals analyses by SW-846 methods (EPA, 1986), and a known quantity of cyanide for cyanide analysis. The percentage of the spike compound that is recovered (i.e., measured in excess of the value obtained for the unspiked sample) is a direct measure of analytical accuracy. EPA requires matrix spike/matrix spike duplicates to be run at least once per 20 samples of similar matrix.

Matrix spike/matrix spike duplicate results are reported to EPD/EMS but are not published. For organic compounds, according to EPA guidelines, no action is taken on the basis of matrix spike/matrix spike duplicate data alone (i.e., no result modifiers are assigned solely on the basis of matrix spike results); however, the results can indicate if a laboratory is having a systematic problem in the analysis of one or more analytes.

In the case of organic compounds, such as metals, the matrix spike sample analysis provides information about the effect of each sample matrix on the digestion and measurement methodology. Data qualifiers assigned by the laboratories on the basis of the percentage of spike recovery are reported in the published results tables.

Assessment of Precision

Precision of the analyses, or agreement of a set of replicate results among themselves, is assessed through the use of duplicates initiated by the laboratory and blind replicates provided by EPD/EMS. The results of duplicate and replicate analyses are presented in those results tables of the quarterly reports which report only one quarter of data, usually during first, second, and third quarters. Duplicate and replicate results are not presented in results tables that report more than one quarter of data, generally provided in the fourth quarter reports. In this case, the results' tables instead present only the highest result for each analyte for each quarter of the year.

The laboratories assess the precision by calculating the relative percent difference (RPD) for each pair of laboratory-initiated duplicate results. One of the contract laboratories uses a data qualifier (J3) to modify metals analyses when the RPD for laboratory duplicates is greater than 20 percent.

Additional statistical comparisons of laboratory duplicate and blind duplicate results, both intra- and inter-laboratory, are presented in the EPD/EMS quarterly reports. The calculation used for these reports is the mean relative difference (MRD) which is similar to EPA's RPD except that the MRD is the average of all the RPD values from one laboratory for each compound (intra-laboratory MRD) or all the RPD values from all laboratories for each compound (inter-laboratory MRD), during one quarter. Because detection limits may vary among samples, the MRD requires calculation of a reference detection limit, which is the detection limit at the 90th percentile of the array of limits in the population of all duplicate and replicate analyses for a given analyte during a particular quarter. The MRD is not method-specific.

Method-Specific Accuracy and Precision

The contract laboratories' EPA approved laboratory procedures include QA/QC requirements as an integral part of the methods. Thus, knowledge of the method used in obtaining data is an important component of determining data usability. EPA has conducted extensive research and development on the methods approved for the analysis of water and wastewater; information on the accuracy and precision of a method is available from EPA publications, as is full information on required QA/QC procedures. A listing of the methods used by the primary laboratories during fourth quarter 1998 is given below along with the source for the method description. Many, if not all, of these sources include presentations of representative accuracy and precision results.

Methods Used by the Contract Laboratories

Method	Used to Analyze	Source
EPA120.1	Specific conductance	EPA EMSL, 1983
EPA150.1	pH	EPA EMSL, 1983
EPA160.1	Total dissolved solids	EPA EMSL, 1983
EPA160.2	Total dissolved solids, total suspended solids	EPA EMSL, 1983
EPA180.1	Turbidity	EPA EMSL, 1983
EPA200.7	Metals	EPA EMSL, 1983
EPA204.2	Antimony	EPA EMSL, 1983
EPA206.2	Arsenic	EPA EMSL, 1983
EPA239.2	Lead	EPA EMSL, 1983
EPA245.1	Mercury	EPA EMSL, 1983
EPA270.2	Selenium	EPA EMSL, 1983
EPA279.2	Thallium	EPA EMSL, 1983
EPA300.0	Chloride, nitrite, nitrate	EPA EMSL, 1983

Method	Used to Analyze	Source
EPA310.1	Alkalinity	EPA EMSL, 1983
EPA325.2	Chloride	EPA EMSL, 1983
EPA335.3	Cyanide	EPA EMSL, 1983
EPA340.2	Fluoride	EPA EMSL, 1983
EPA353.1	Nitrogen, nitrate-nitrite	EPA EMSL, 1983
EPA353.2	Nitrogen, nitrate, nitrite, or combined	EPA EMSL, 1983
EPA365.1	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA365.2	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA376.2	Sulfide	EPA EMSL, 1983
EPA413.1	Oil & grease	EPA EMSL, 1983
EPA415.1	Dissolved organic carbon, total inorganic carbon, total organic carbon	EPA EMSL, 1983
EPA418.1	Total petroleum hydrocarbons	EPA EMSL, 1983
EPA420.2	Phenols	EPA EMSL, 1983
EPA900.0	Gross alpha, nonvolatile beta	EPA EMSL, 1980
EPA900.1	Total alpha-emitting radium	EPA EMSL, 1980
EPA906.0	Tritium	EPA EMSL, 1980
EPA6010	Metals	EPA, 1986
EPA7041	Antimony	EPA, 1986
EPA7060	Arsenic	EPA, 1986
EPA7421	Lead	EPA, 1986
EPA7470	Metals	EPA, 1986
EPA7740	Selenium	EPA, 1986
EPA7841	Thallium	EPA, 1986
EPA8010	Chlorinated volatile organics	EPA, 1986
EPA8080	Organochlorine pesticides and PCBs	EPA, 1986
EPA8150	Chlorinated herbicides	EPA, 1986
EPA8240	GCMS volatiles	EPA, 1986
EPA8270	GCMS semivolatiles	EPA, 1986
EPA8280	Dioxins and furans	EPA, 1986
EPA9012	Cyanide	EPA, 1986
EPA9020	Total organic halogens	EPA, 1986
EPA9020A	Total organic halogens	EPA, 1986
EPA9030	Sulfide	EPA, 1986
EPA9060	Dissolved organic carbon, total inorganic carbon, total organic carbon	EPA, 1986

An example of available method-specific QA/QC information is that for the analysis of metals by EPA Method 6010/200.7 (EPA, 1986/EPA EMSL, 1983). The primary laboratories, General Engineering Laboratories (GE) and Roy F. Weston, Inc. (Weston), use this inductively coupled plasma (ICP) atomic emission spectrometric method.

The following precision and accuracy data are based on the experience of seven laboratories that applied the ICP technique to acid-distilled water matrices that had been spiked with various metal concentrates. (Note: Not all seven laboratories analyzed all 14 elements.) The references give results for samples having three concentration ranges; the results here are for samples having the lowest values, similar to actual groundwater results for SRS.

ICP Precision and Accuracy Data

Element	True value (µg/L)	Mean Reported Value (µg/L)	Mean percent RSD[a]
Aluminum	60	62	33
Arsenic	22	19	23
Beryllium	20	20	9.8
Cadmium	2.5	2.9	16
Chromium	10	10	18
Cobalt	20	20	4.1

Element	True value (µg/L)	Mean Reported Value (µg/L)	Mean percent RSD[a]
Copper	11	11	40
Iron	20	19	15
Lead	24	30	32
Manganese	15	15	6.7
Nickel	30	28	11
Selenium	6	8.5	42
Vanadium	70	69	2.9
Zinc	16	19	45

[a] Relative standard deviation. In EPA (1986), the column heading is Mean Standard Deviation (%).

As another example, EPA Method 601/8010 (EPA, 1991/EPA, 1986) is used by both GE and Weston for analyses of halogenated volatile organics. In the presentation of the method in both references, the following table gives method-specific accuracy and precision as functions of concentration. Contract laboratories are expected to achieve or at least approach these limits.

Accuracy and Precision as Functions of Concentration for EPA Method 601/8010

Parameter	Accuracy as recovery, X'[a] (µg/L)	Single analyst precision (µg/L)[b]	Overall precision (µg/L)[c]
Bromodichloromethane	1.12*C*-1.02[d]	0.11X+0.04[e]	0.20X+1.00
Bromoform	0.96*C*-2.05	0.12X+0.58	0.21X+2.41
Bromomethane	0.76*C*-1.27	0.28X+0.27	0.36X+0.94
Carbon tetrachloride	0.98*C*-1.04	0.15X+0.38	0.20X+0.39
Chlorobenzene	1.00*C*-1.23	0.15X-0.02	0.18X+1.21
Chloroethane	0.99*C*-1.53	0.14X-0.13	0.17X+0.63
2-Chloroethyl vinyl ether[f]	1.00*C*	0.20X	0.35X
Chloroform	0.93*C*-0.39	0.13X+0.15	0.19X-0.02
Chloromethane	0.77*C*+0.18	0.28X-0.31	0.52X+1.31
Dibromochloromethane	0.94*C*+2.72	0.11X+1.10	0.24X+1.68
1,2-Dichlorobenzene	0.93*C*+1.70	0.20X+0.97	0.13X+6.13
1,3-Dichlorobenzene	0.95*C*+0.43	0.14X+2.33	0.26X+2.34
1,4-Dichlorobenzene	0.93*C*-0.09	0.15X+0.29	0.20X+0.41
1,1-Dichloroethane	0.95*C*-1.08	0.09X+0.17	0.14X+0.94
1,2-Dichloroethane	1.04*C*-1.06	0.11X+0.70	0.15X+0.94
1,1-Dichloroethene	0.98*C*-0.87	0.21X-0.23	0.29X-0.40
trans-1,2-Dichloroethene	0.97*C*-0.16	0.11X+1.46	0.17X+1.46
Dichloromethane (Methylene chloride)	0.91*C*-0.93	0.11X+0.33	0.21X+1.43
1,2-Dichloropropane[f]	1.00*C*	0.13X	0.23X
cis-1,3-Dichloropropene[f]	1.00*C*	0.18X	0.32X
trans-1,3-Dichloropropene[f]	1.00*C*	0.18X	0.32X
1,1,2,2-Tetrachloroethane	0.95*C*+0.19	0.14X+2.41	0.23X+2.79
Tetrachloroethylene	0.94*C*+0.06	0.14X+0.38	0.18X+2.21
1,1,1-Trichloroethane	0.90*C*-0.16	0.15X+0.04	0.20X+0.37
1,1,2-Trichloroethane	0.86*C*+0.30	0.13X-0.14	0.19X+0.67
Trichloroethylene	0.87*C*+0.48	0.13X-0.03	0.23X+0.30
Trichlorofluoromethane	0.89*C*-0.07	0.15X+0.67	0.26X+0.91
Vinyl chloride	0.97*C*-0.36	0.13X+0.65	0.27X+0.40

[a] X' = expected recovery for one or more measurements of a sample containing a concentration of *C*, in µg/L.
[b] Expected single analyst standard deviation of measurements.
[c] Expected inter-laboratory standard deviation of measurements.

[d] C = true value for the concentration, in µg/L.
[e] X = average recovery found for measurements of samples containing a concentration of C, in µg/L.
[f] Estimates based on performance of a single laboratory.

References Cited

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

EPA (U.S. Environmental Protection Agency), 1991. *Guidelines Establishing Test Procedures for the Analysis of Pollutants*, **Code of Federal Regulations**, Title 40, Part 136, Appendix A. Washington, DC.

EPA EMSL (U.S. Environmental Protection Agency, Environmental Monitoring and Systems Laboratory), 1980. **Prescribed Procedures for Measurement of Radioactivity in Drinking Water**, EPA-6000/4-80-032. Cincinnati, OH.

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

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

Appendix F

Time Series Plots

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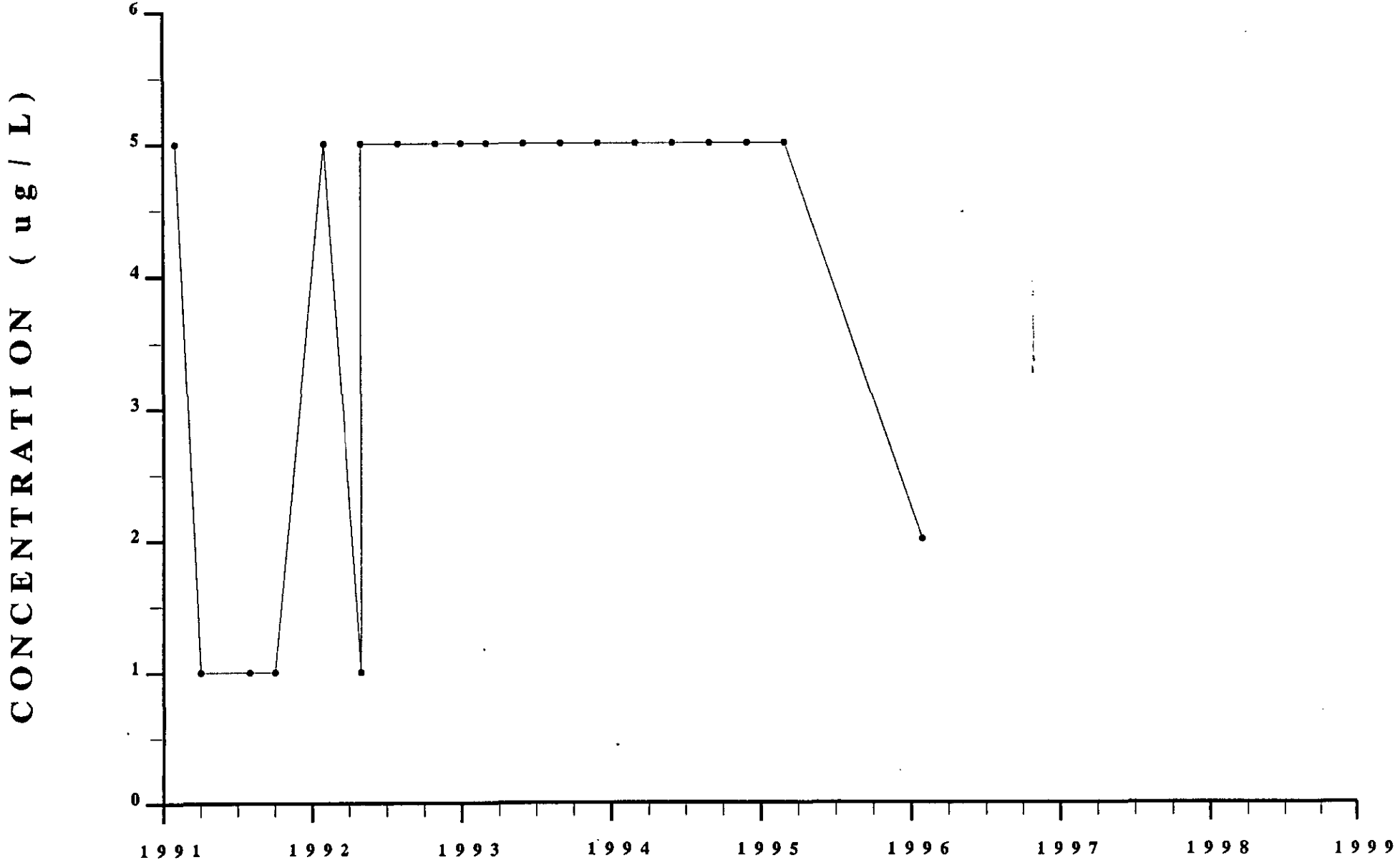
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1991
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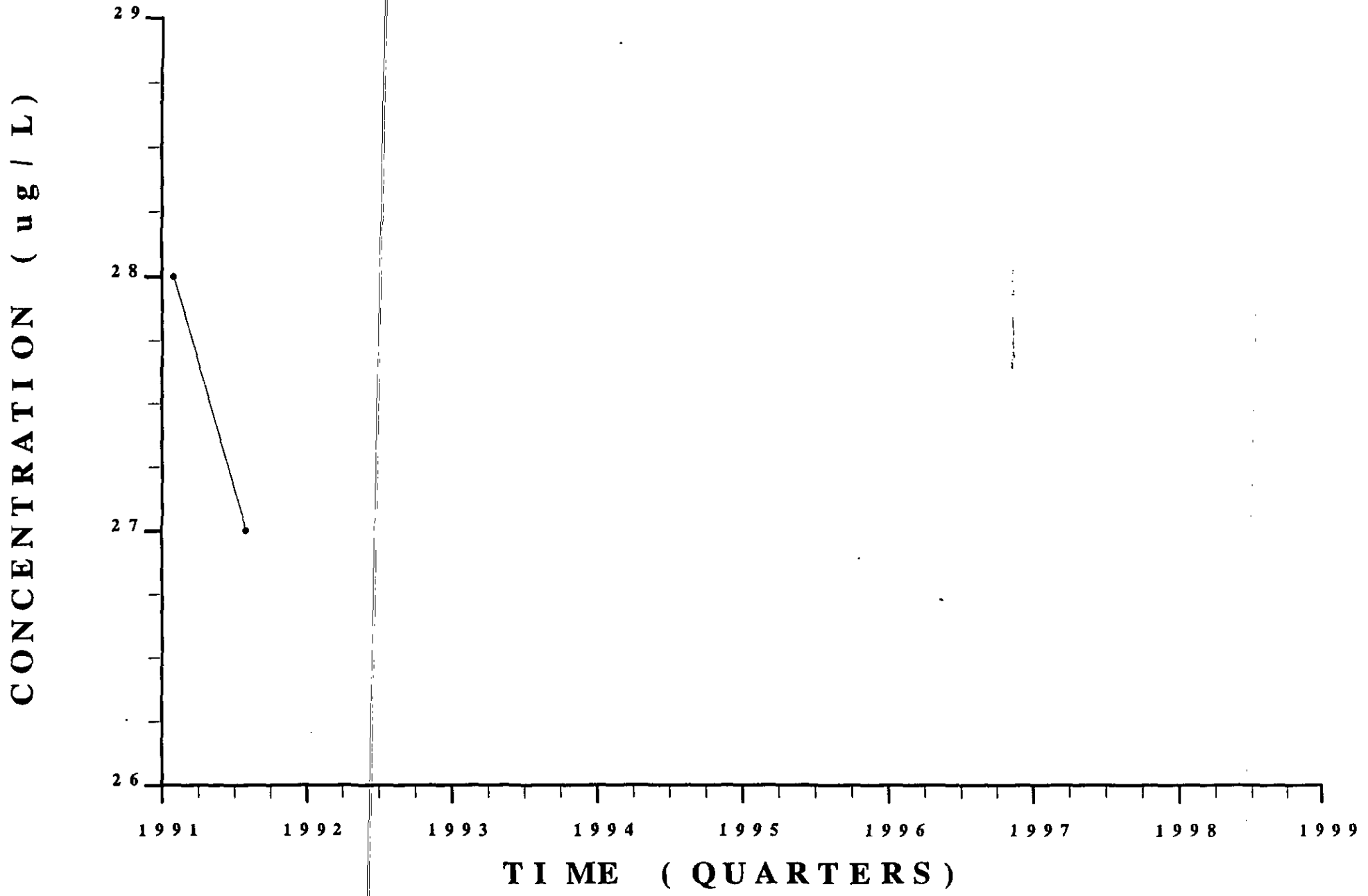
1998
1999
TIME (QUARTERS)

WELL LFW 8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28
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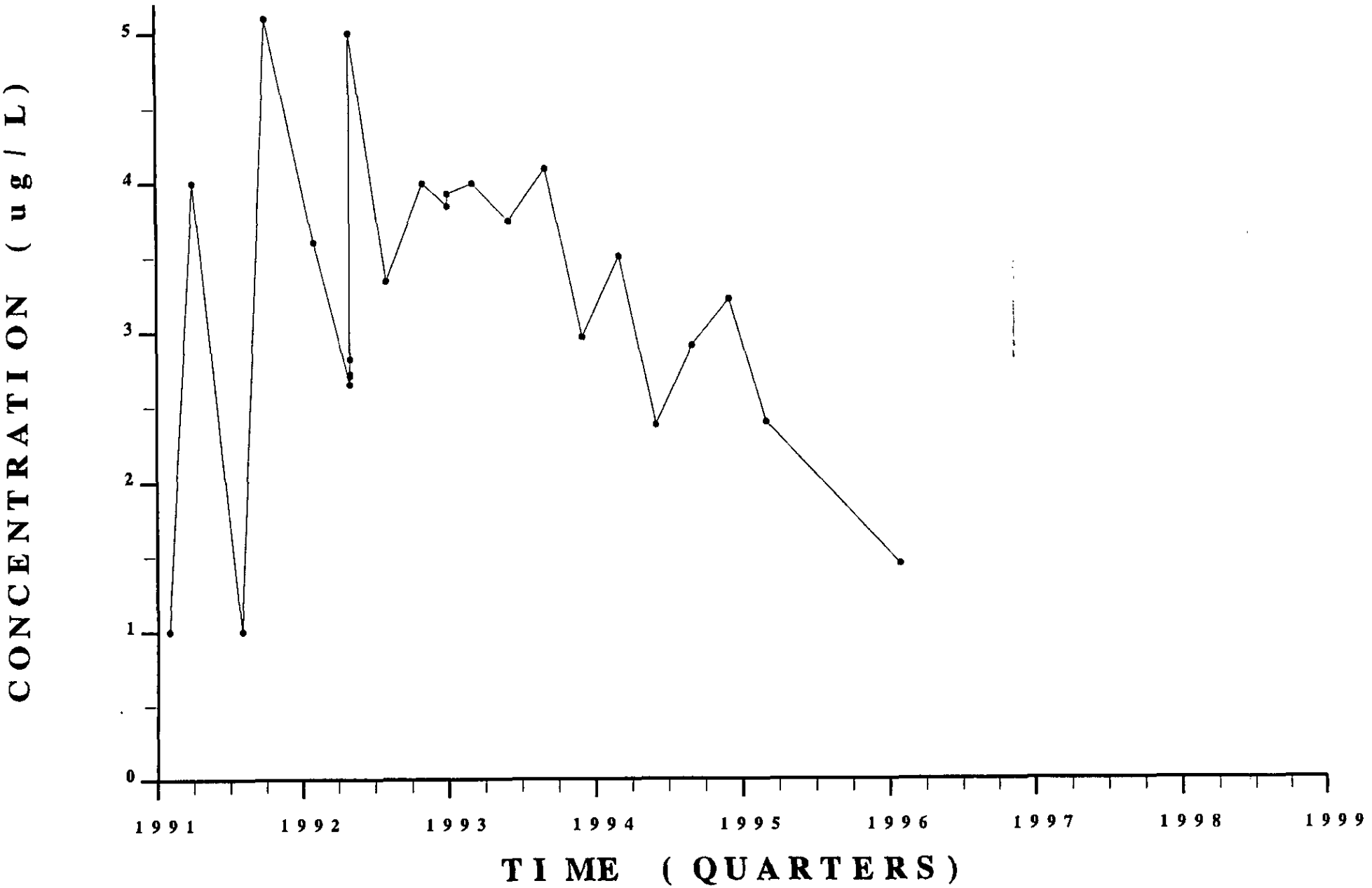
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

WELL LFW 8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0
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1991
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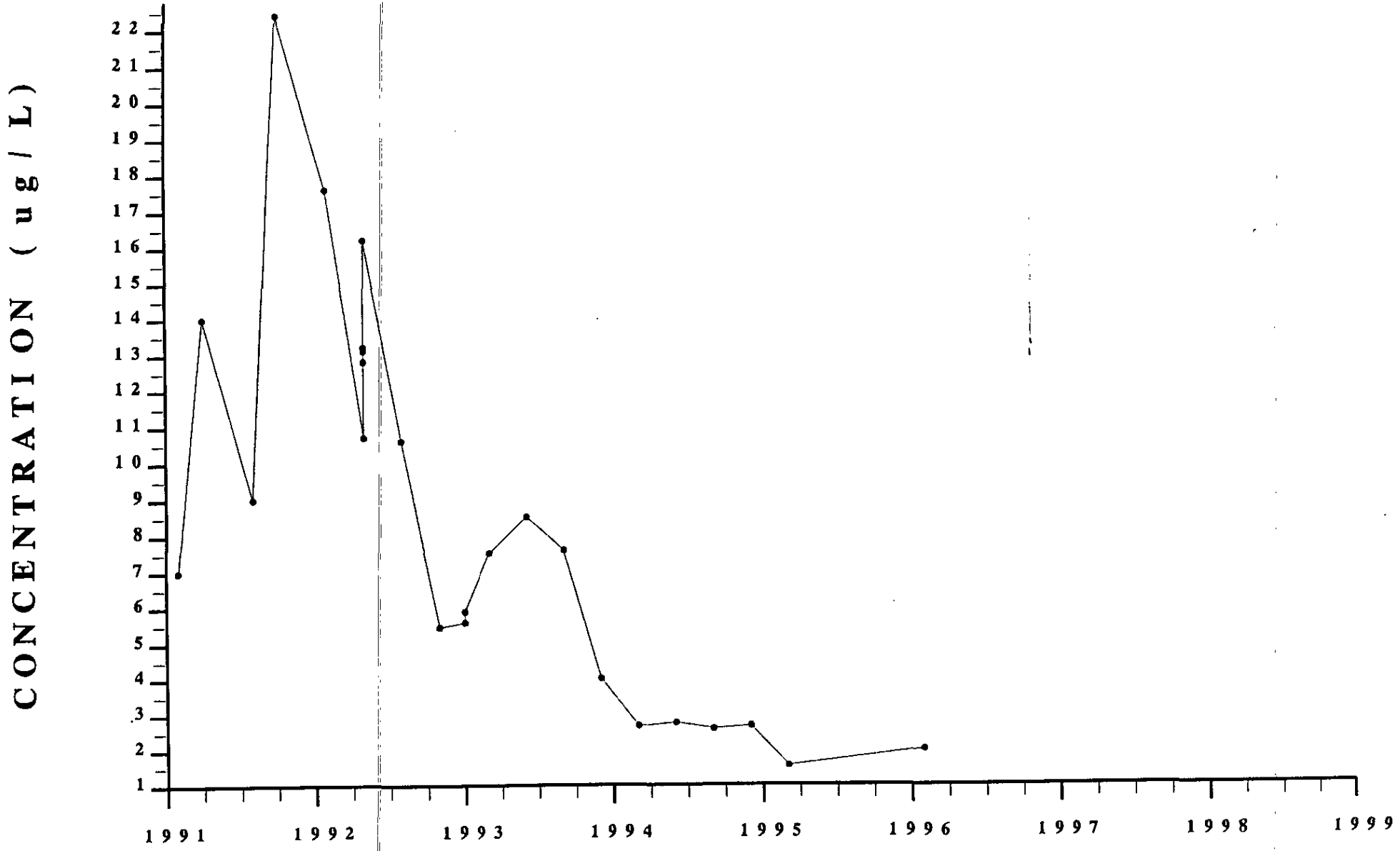
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

ETHYLBENZENE
WELL LFW 8



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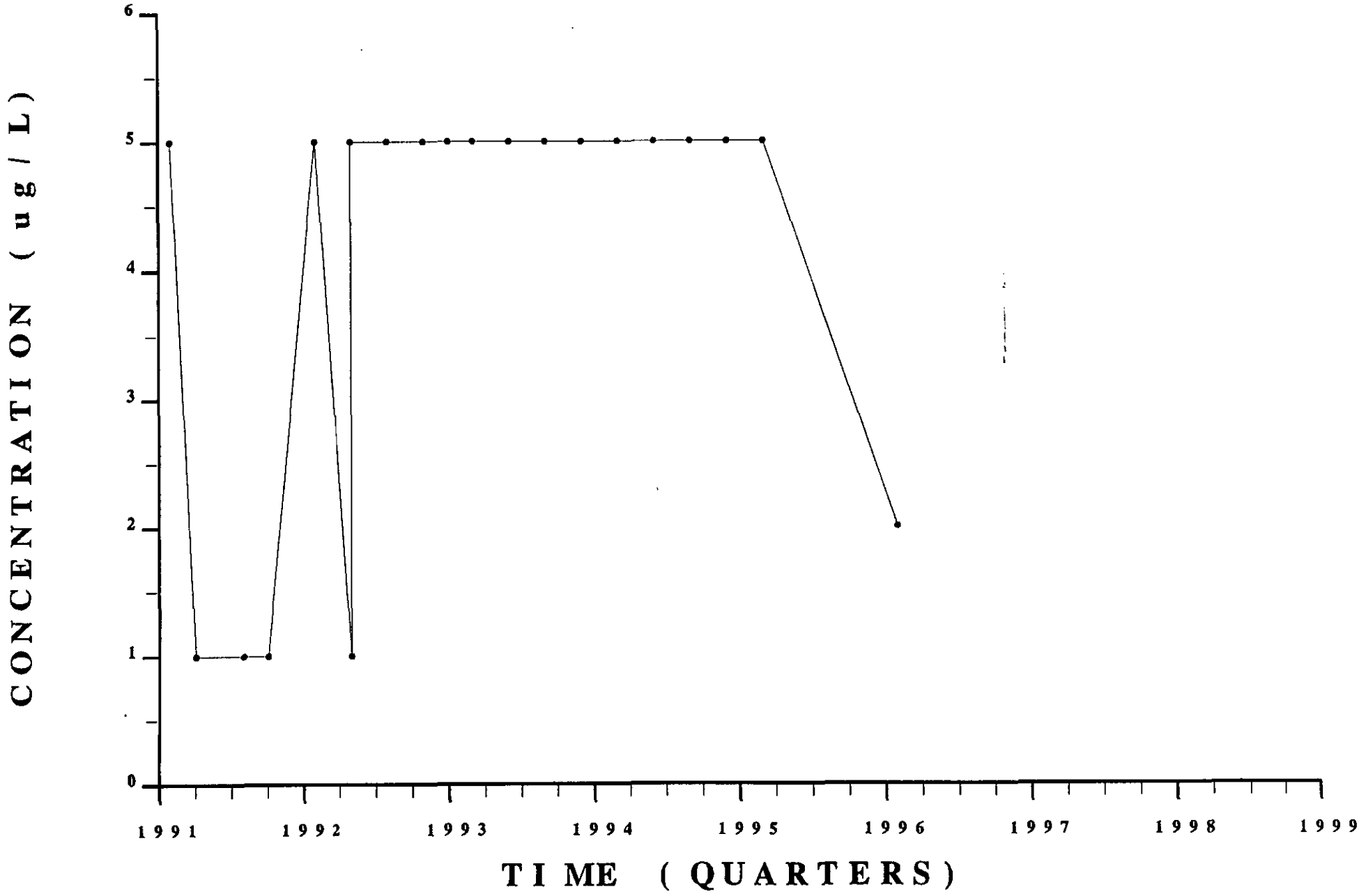
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1996
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1998
1999
TIME (QUARTERS)

TRICHLOROETHYLENE
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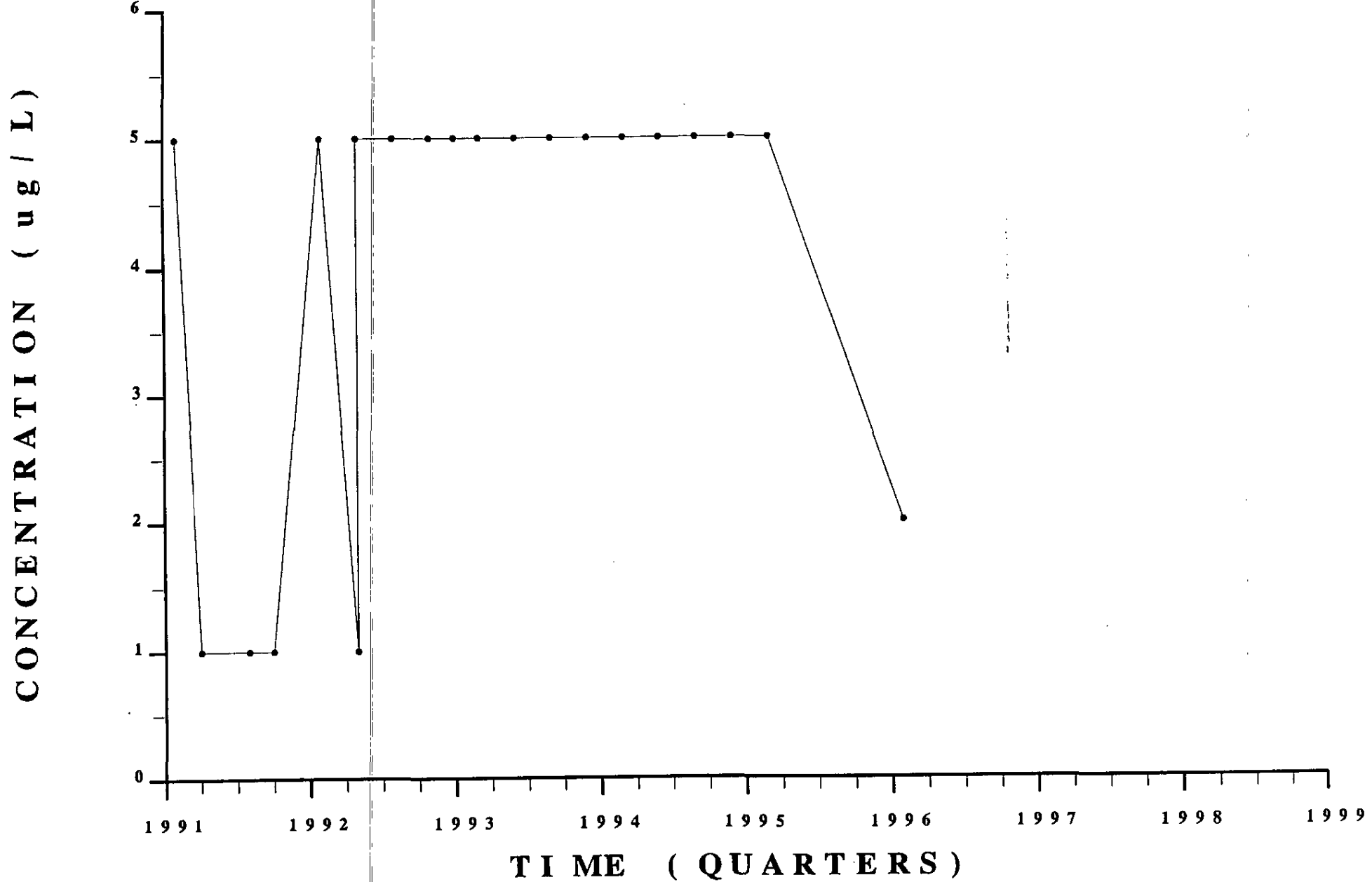

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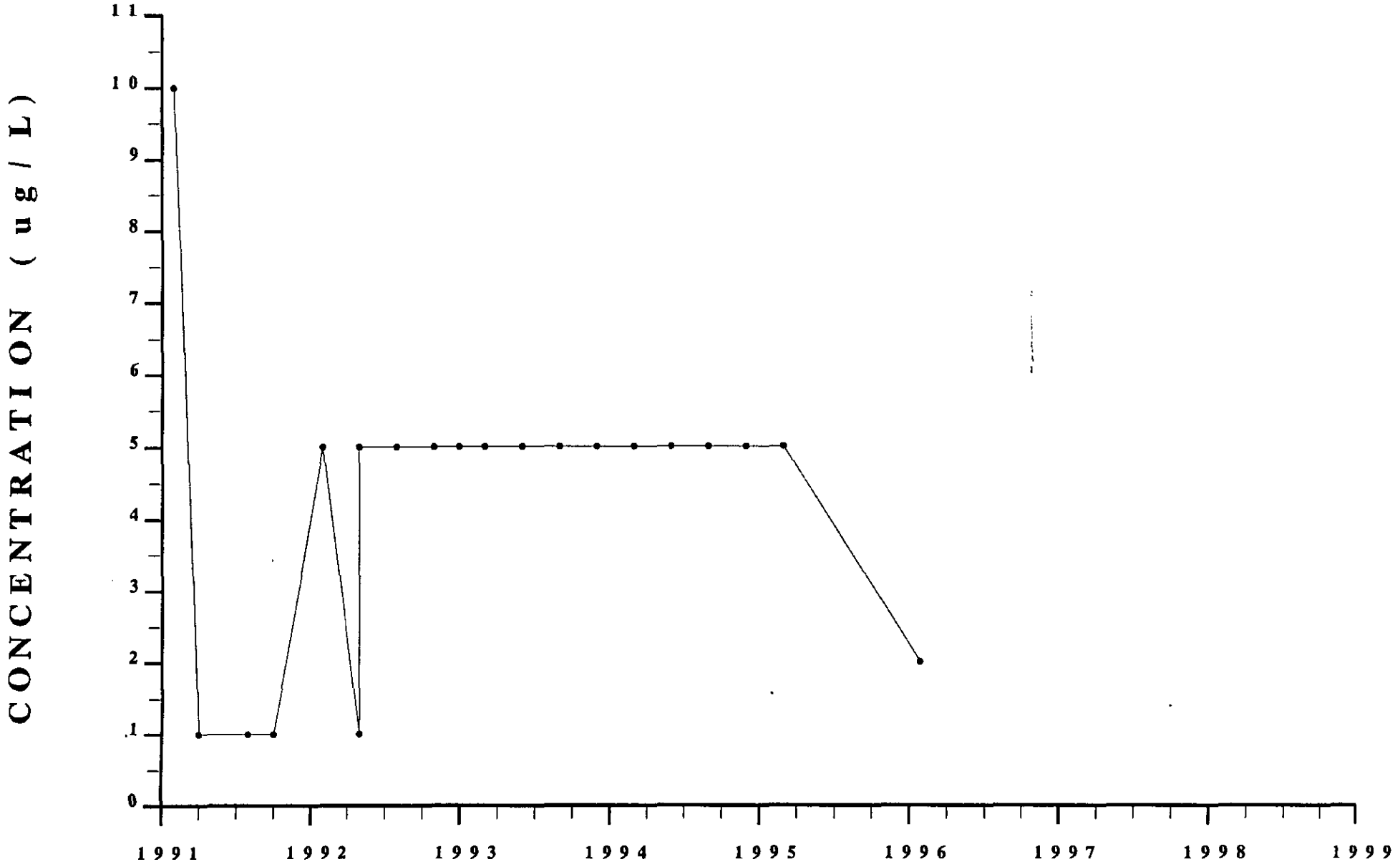
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1996
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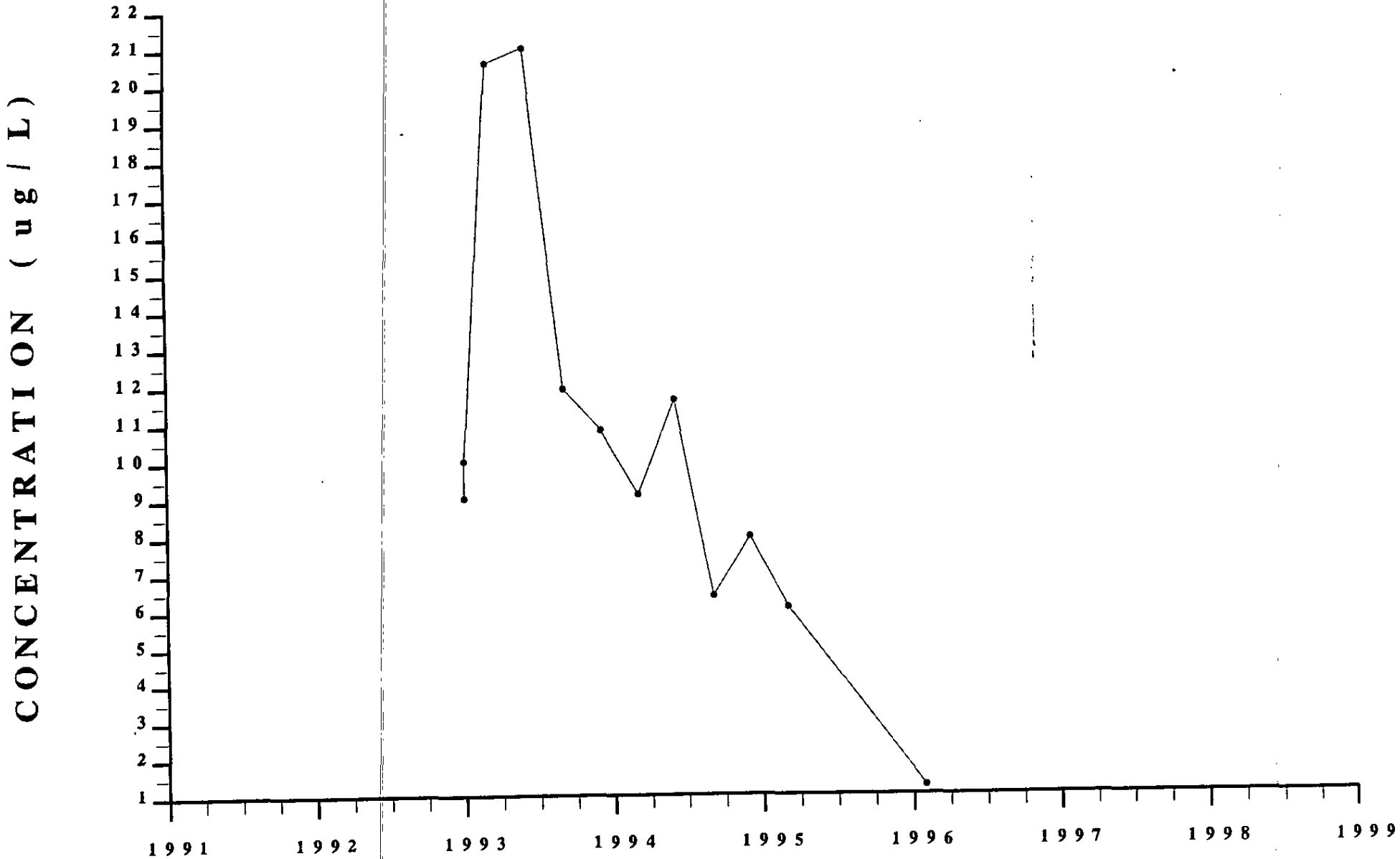
1998
1999
TIME (QUARTERS)

XYLENES
WELL LFW 8



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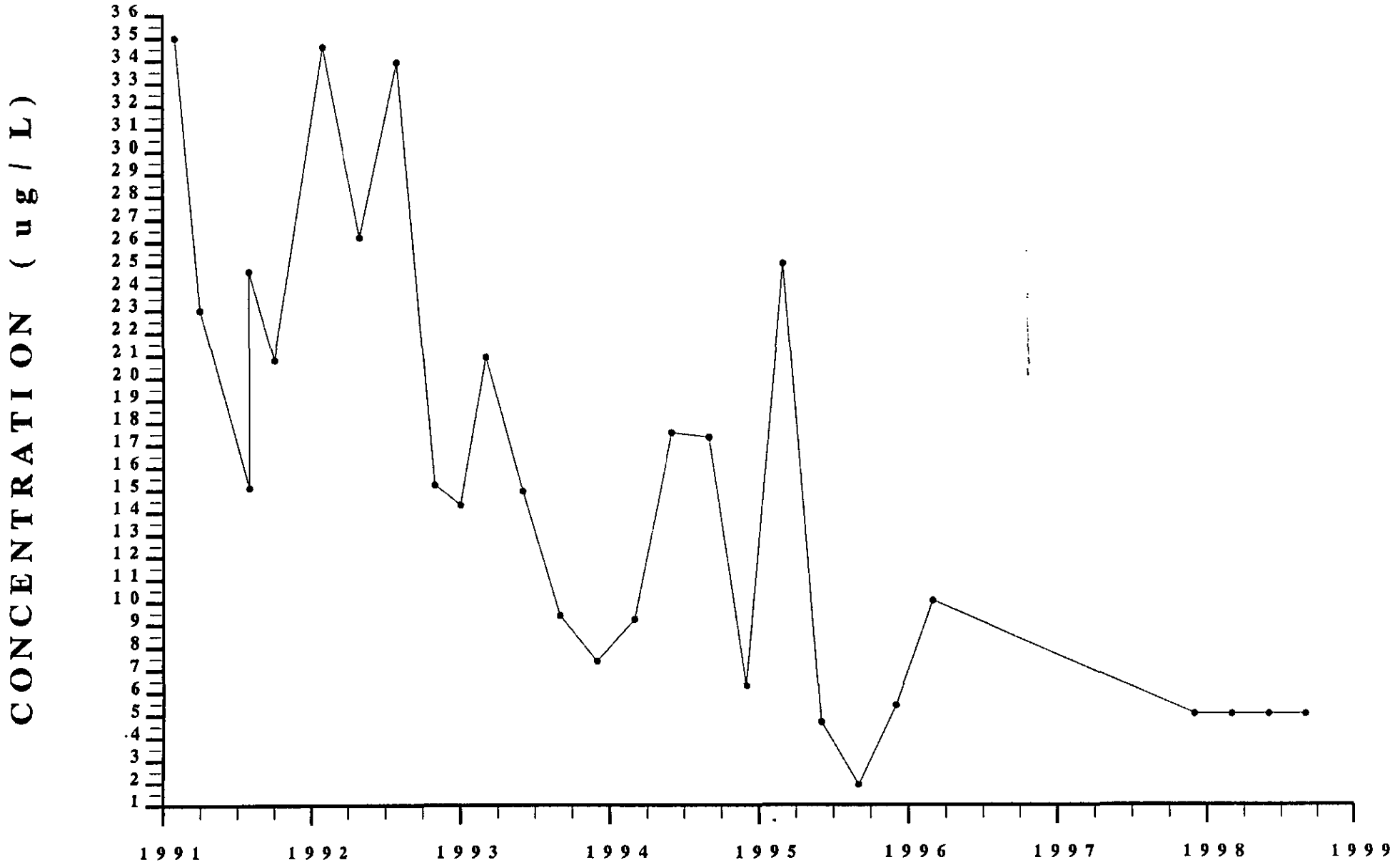
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TIME (QUARTERS)

1,4-DICHLOROBENZENE
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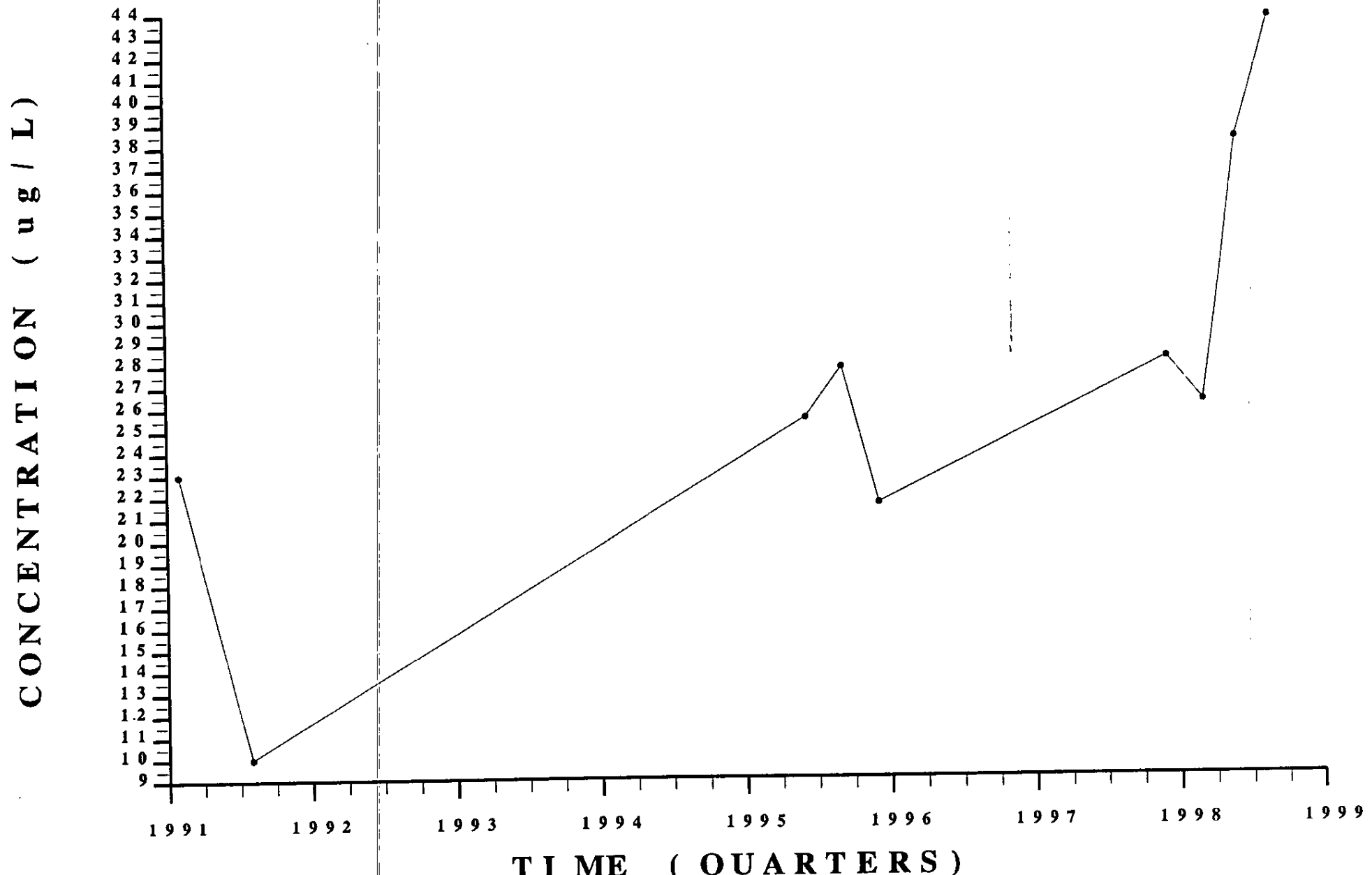

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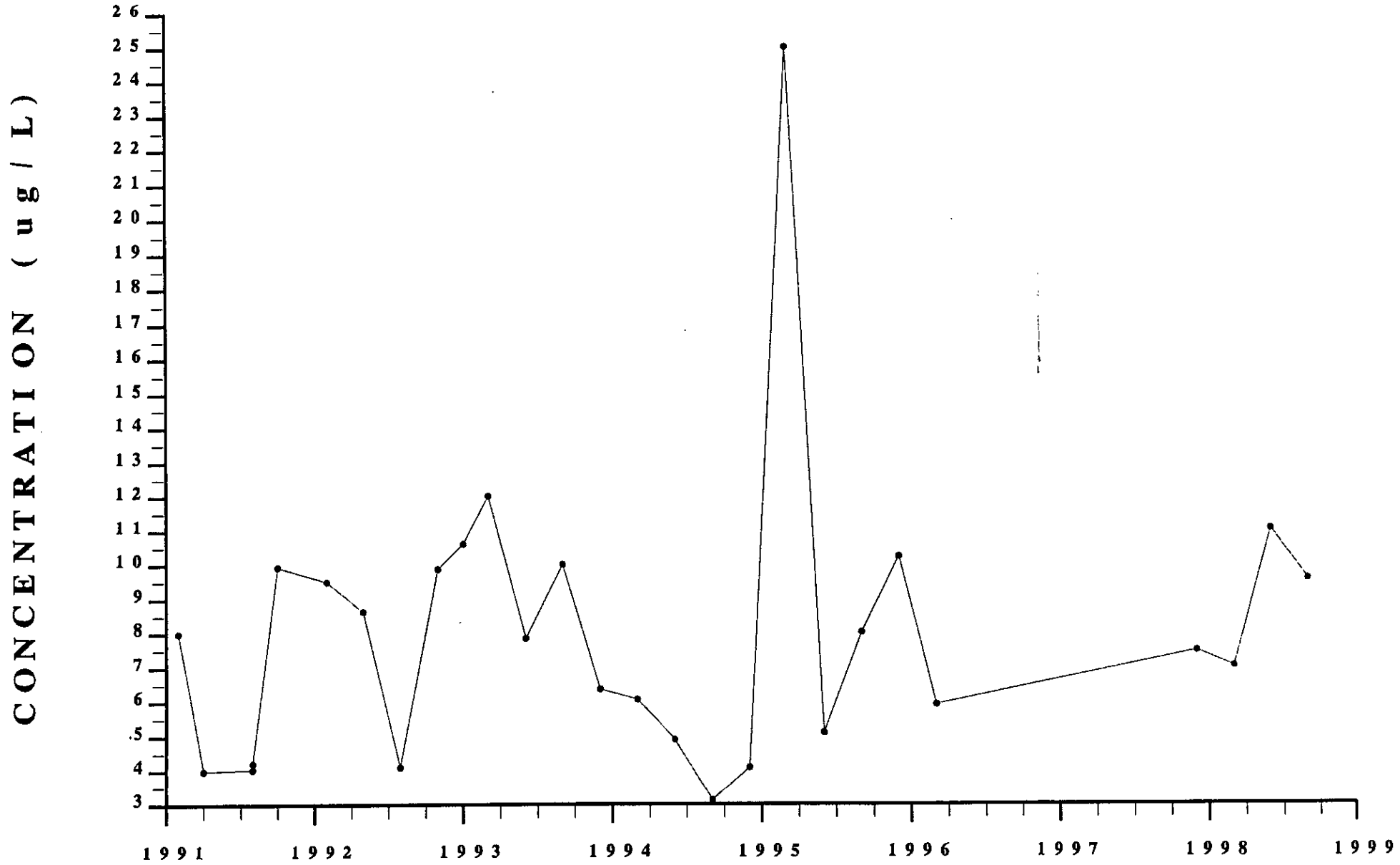
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1999
TIME (QUARTERS)

ETHYLBENZENE
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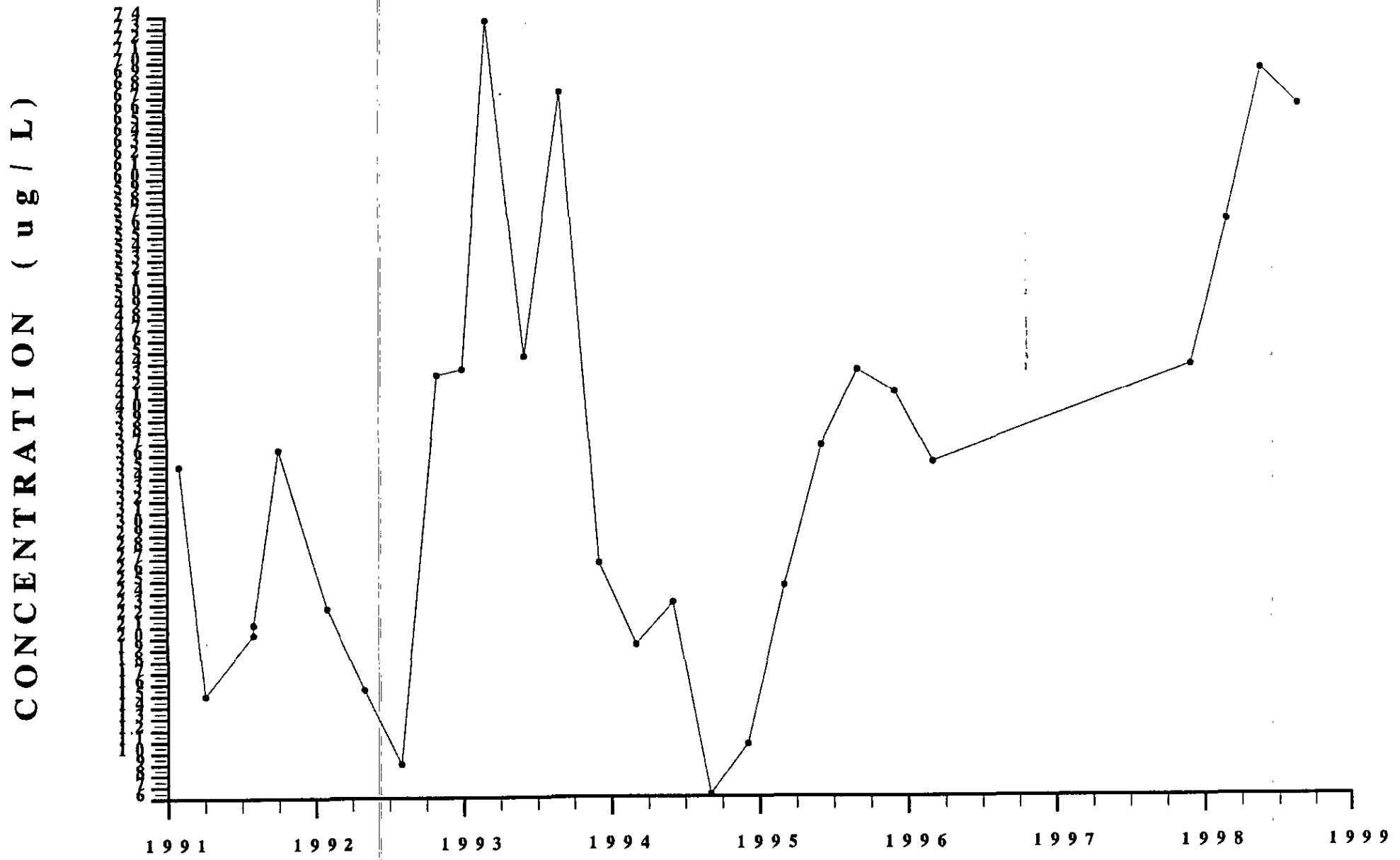

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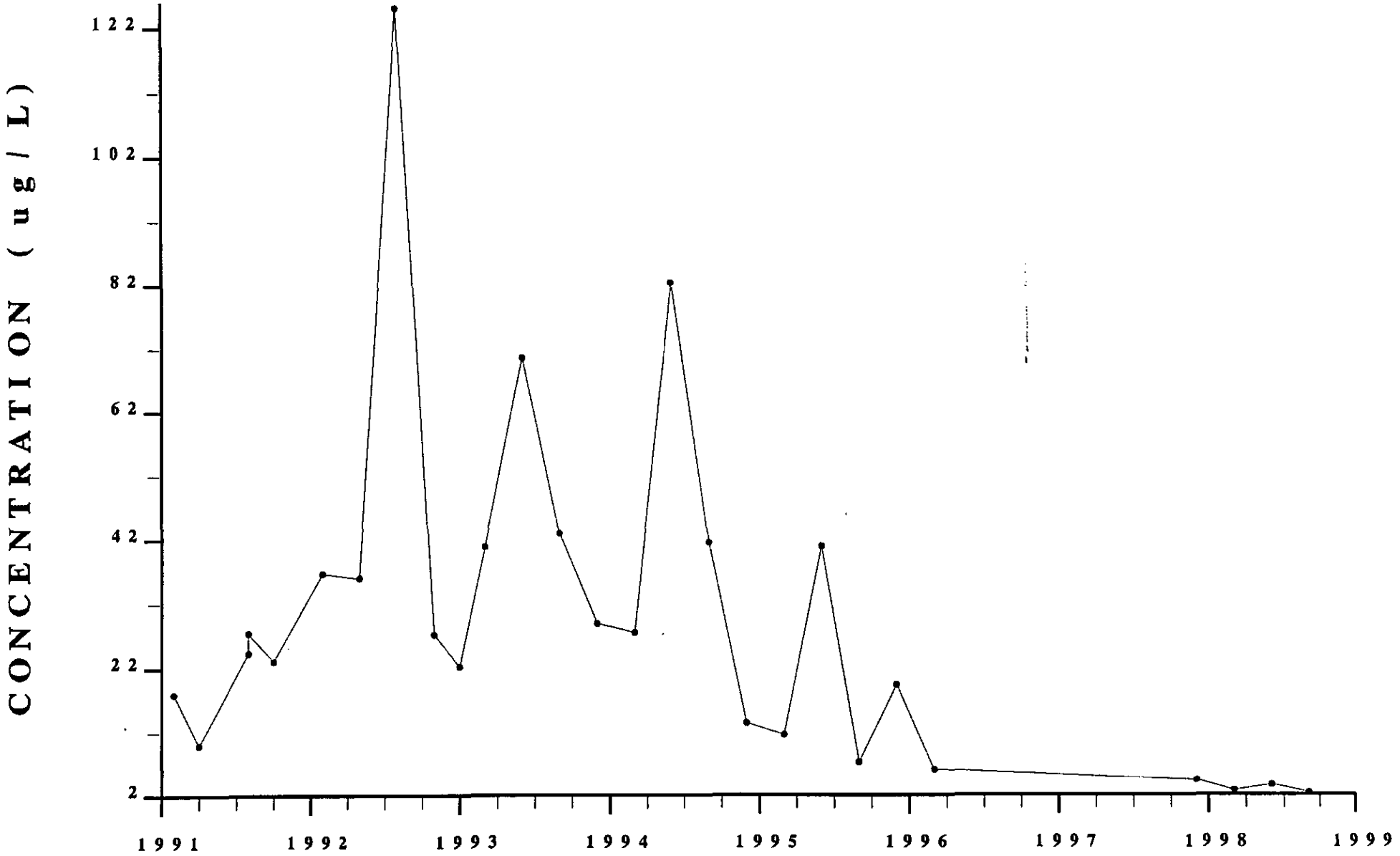
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102
82
62
42
22
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1991
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1995
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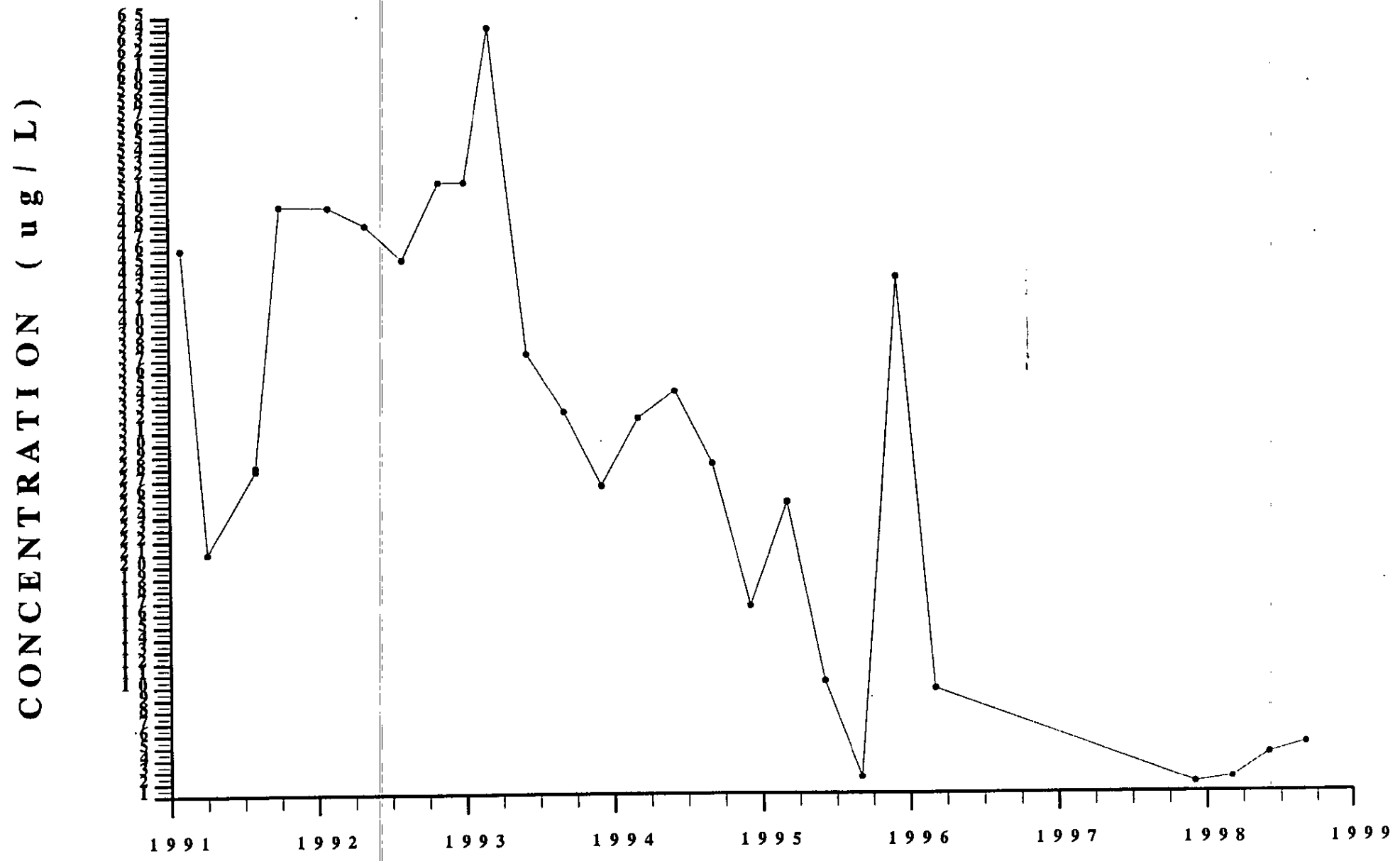
1997
1998
1999
TIME (QUARTERS)

TRICHLOROETHYLENE
WELL LFW 10A



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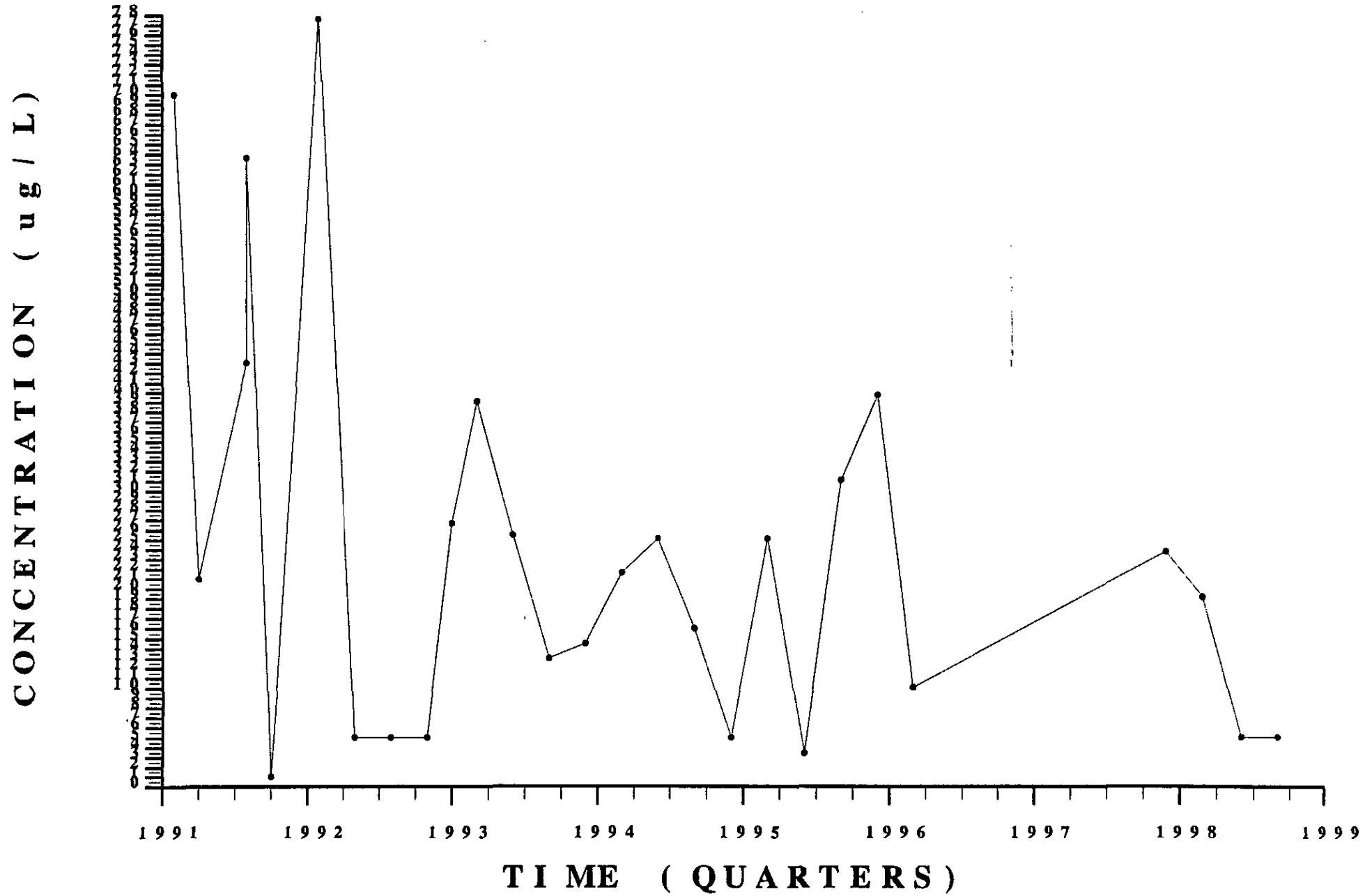
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TIME (QUARTERS)

XYLENES
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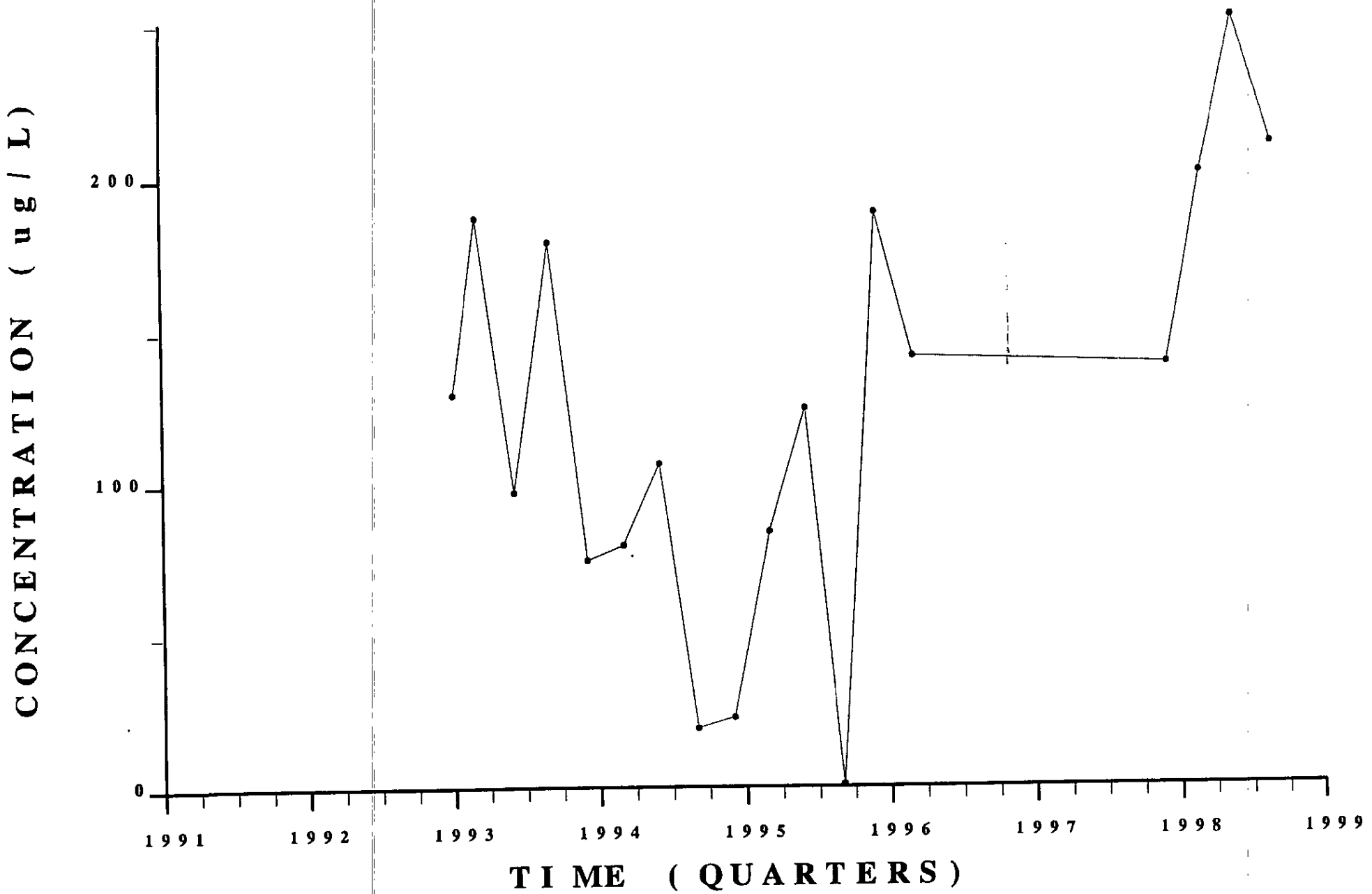

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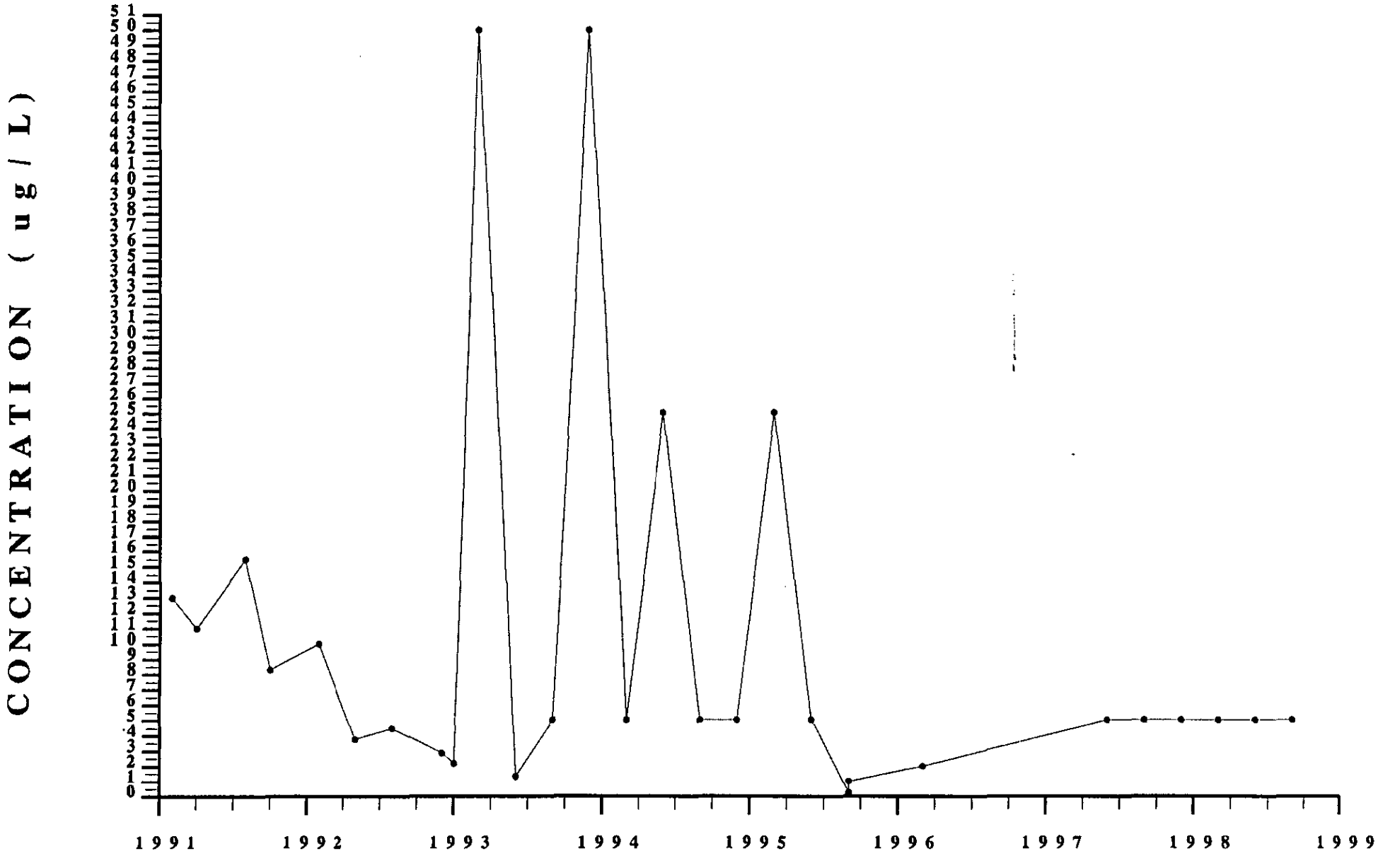
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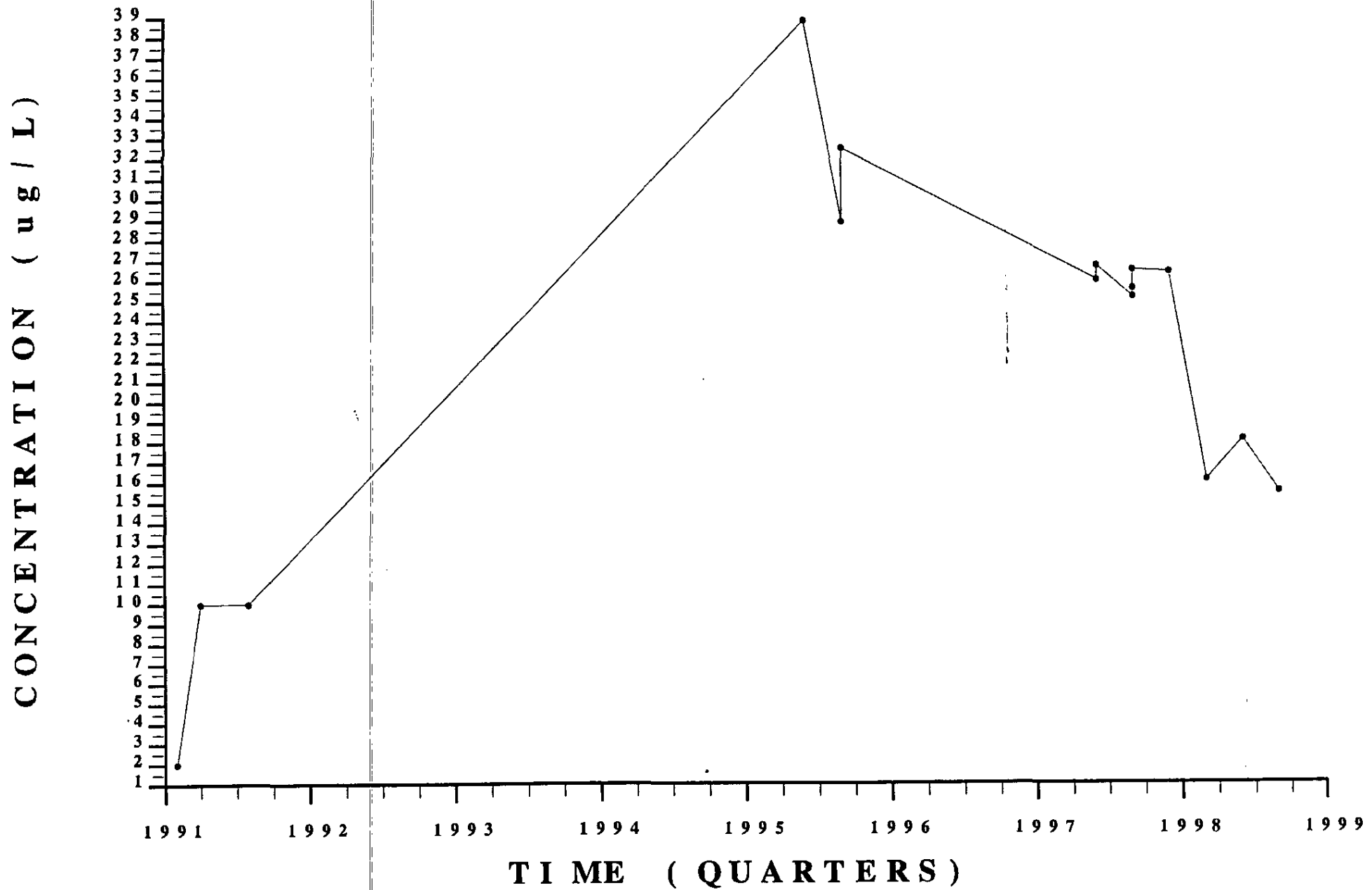
TIME (QUARTERS)

1,4-DICHLOROBENZENE
WELL LFW 21



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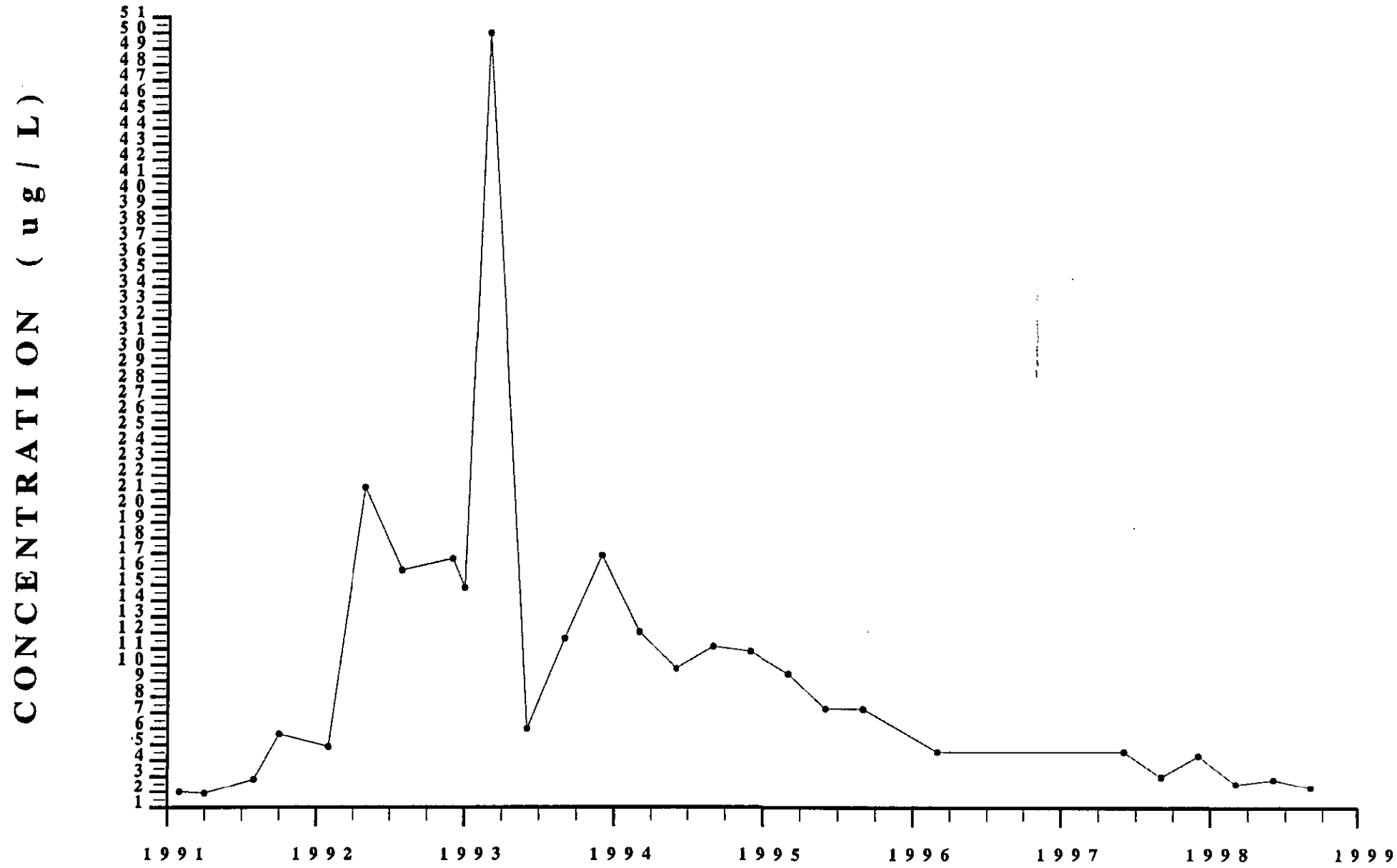
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TIME (QUARTERS)

ETHYLBENZENE
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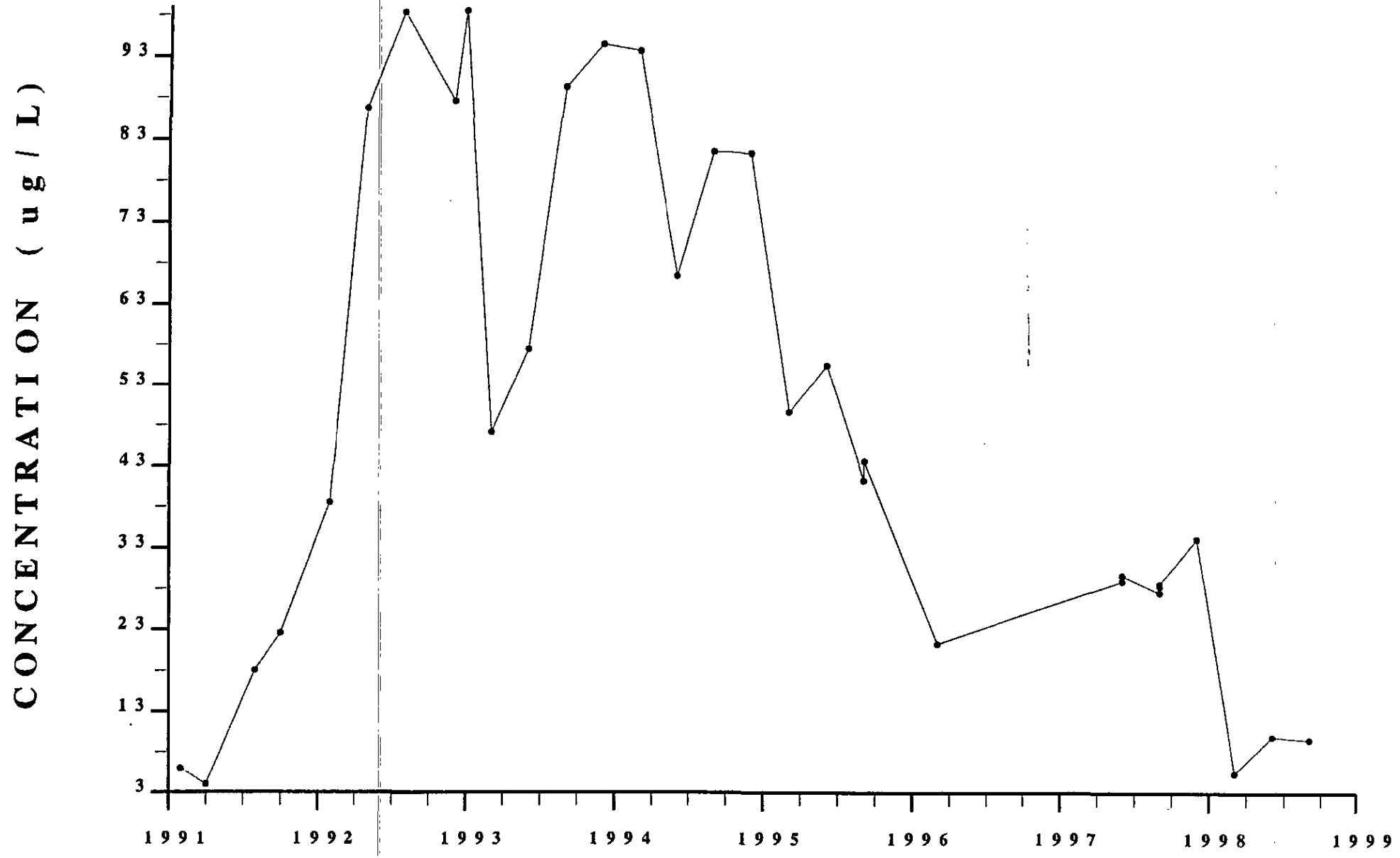

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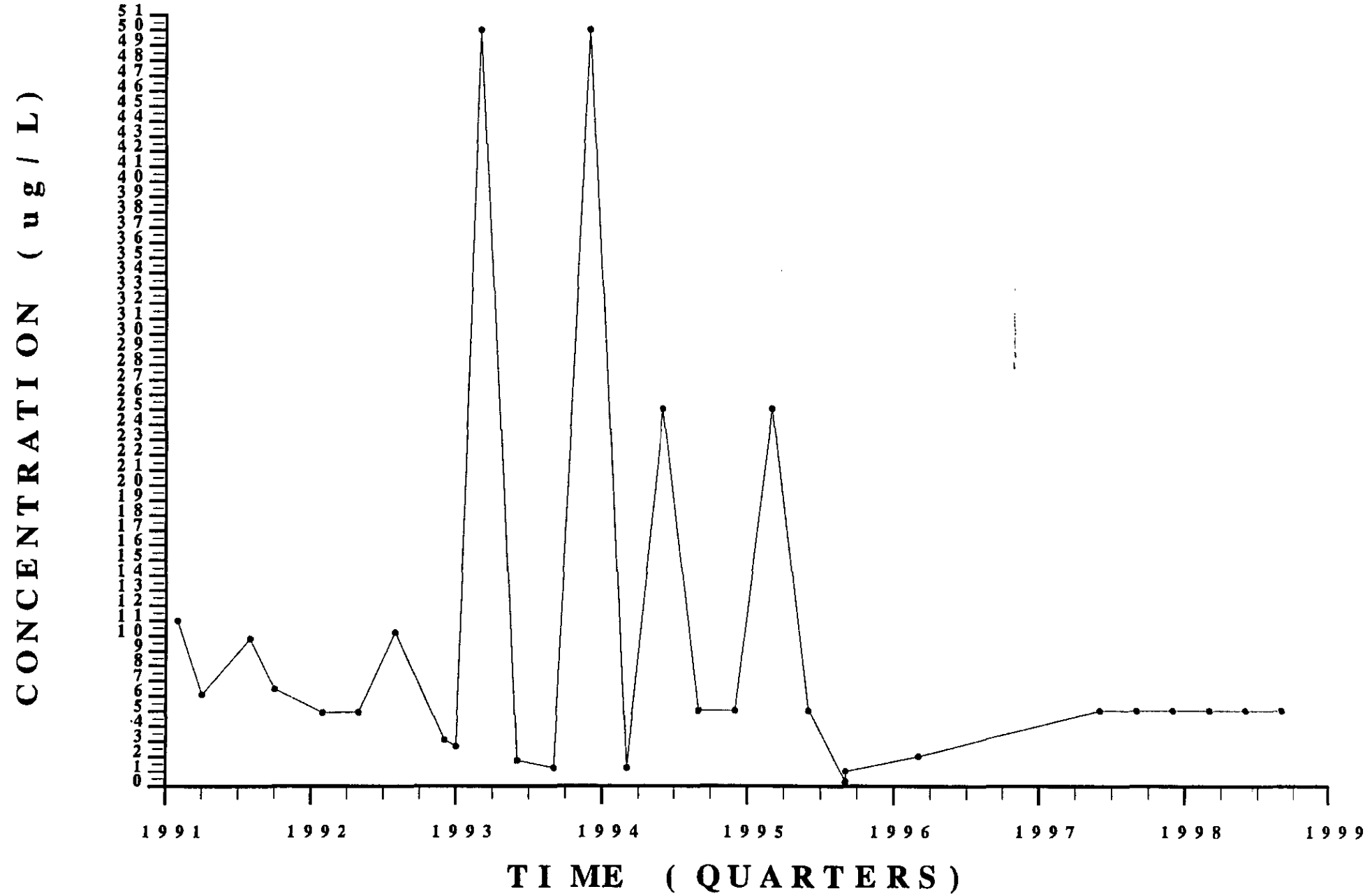
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TIME (QUARTERS)

TRICHLOROETHYLENE
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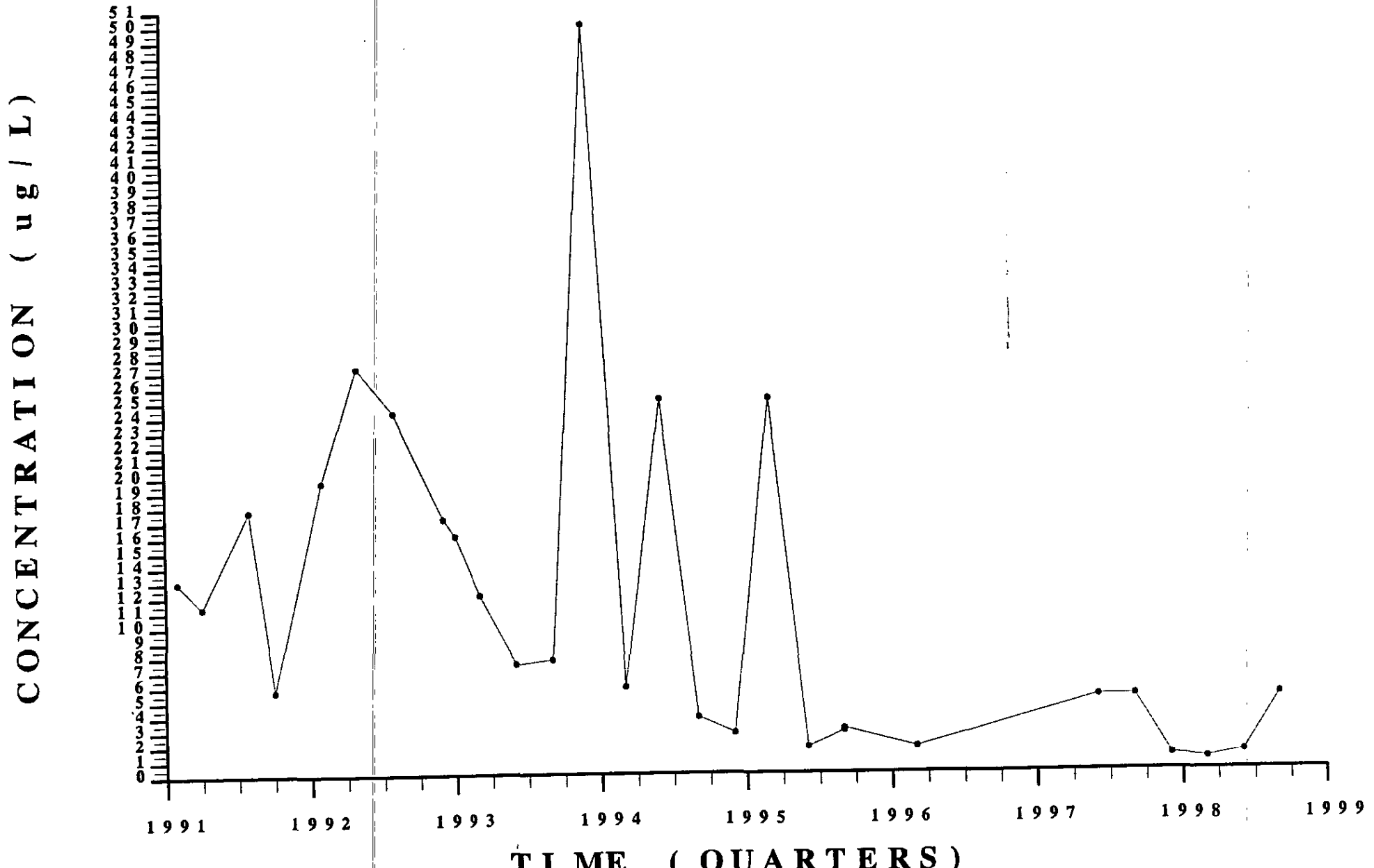

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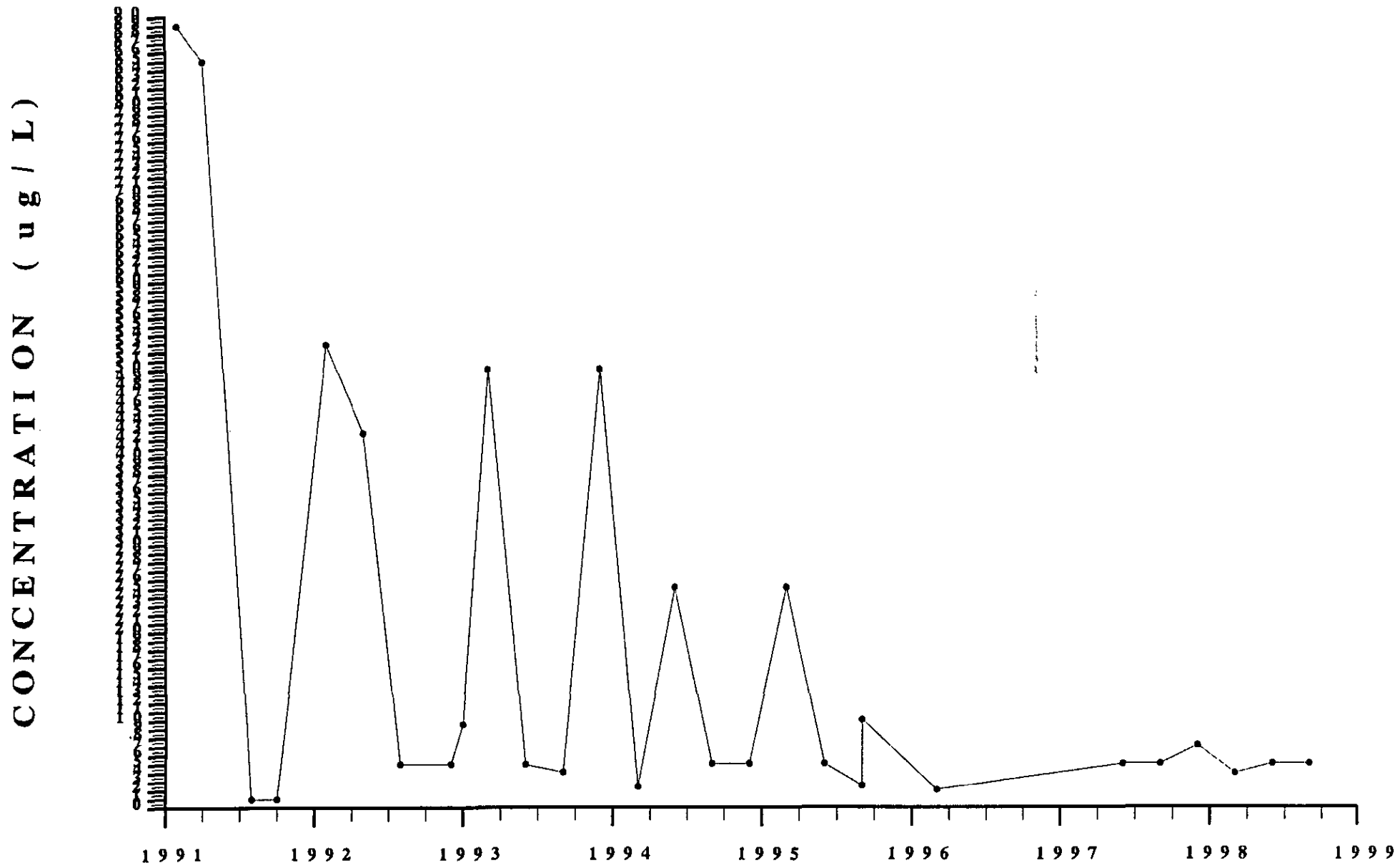
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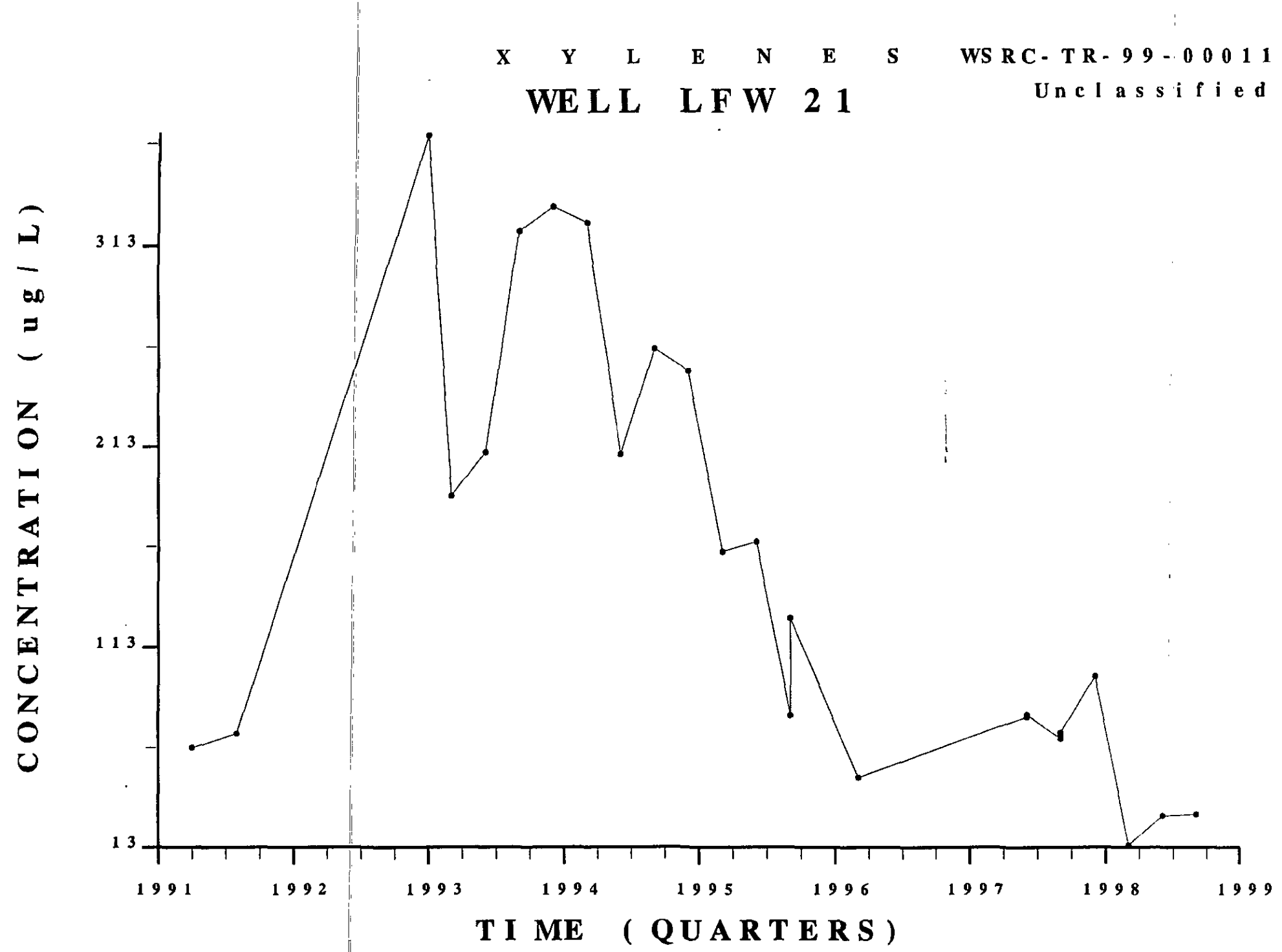
TIME (QUARTERS)


XYLENES
WELL LFW 21
CONCENTRATION (ug/L)
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1991
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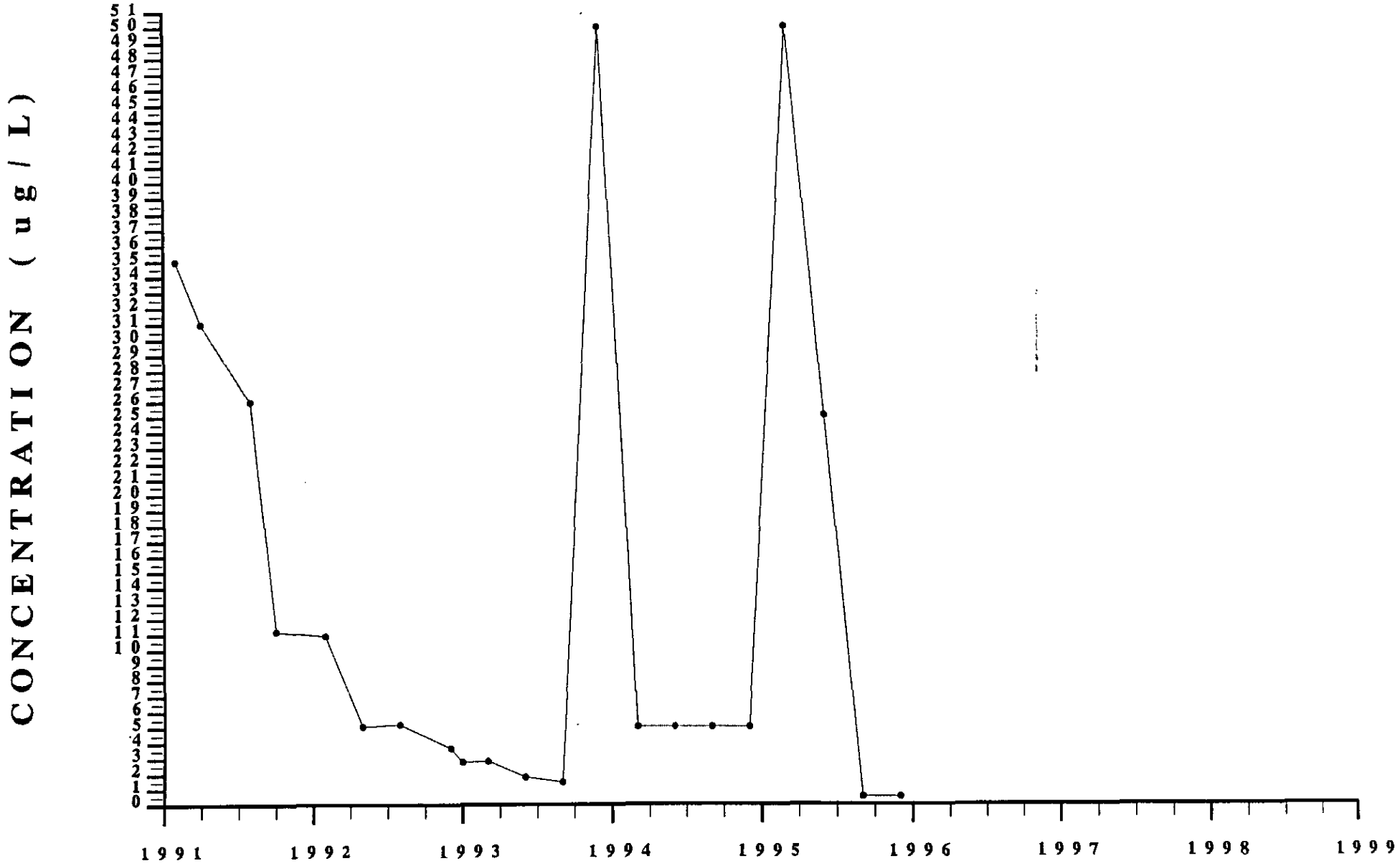
TIME (QUARTERS)

WELL LFW 22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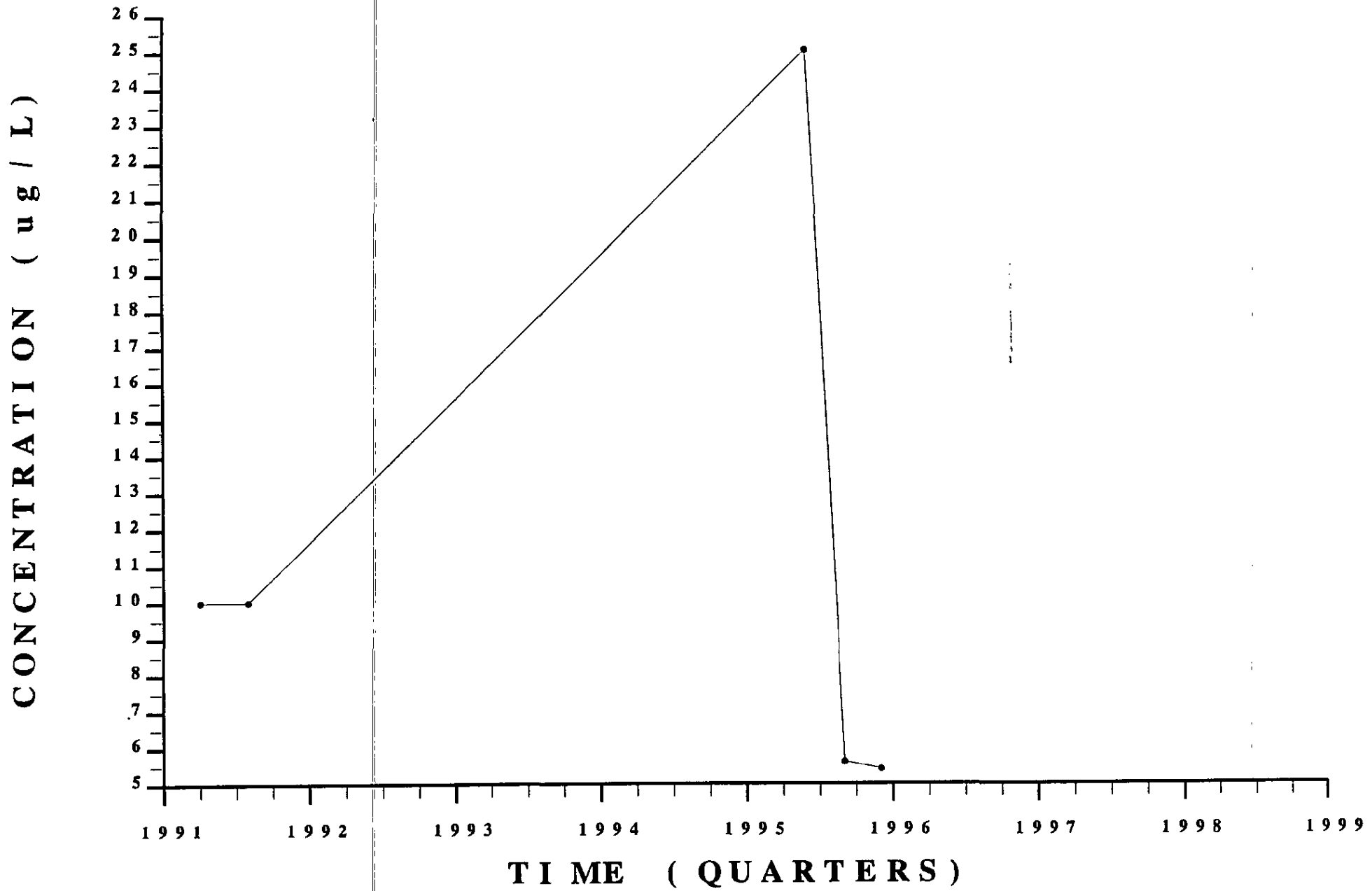
1998
1999
TIME (QUARTERS)

WELL LFW 22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TIME (QUARTERS)

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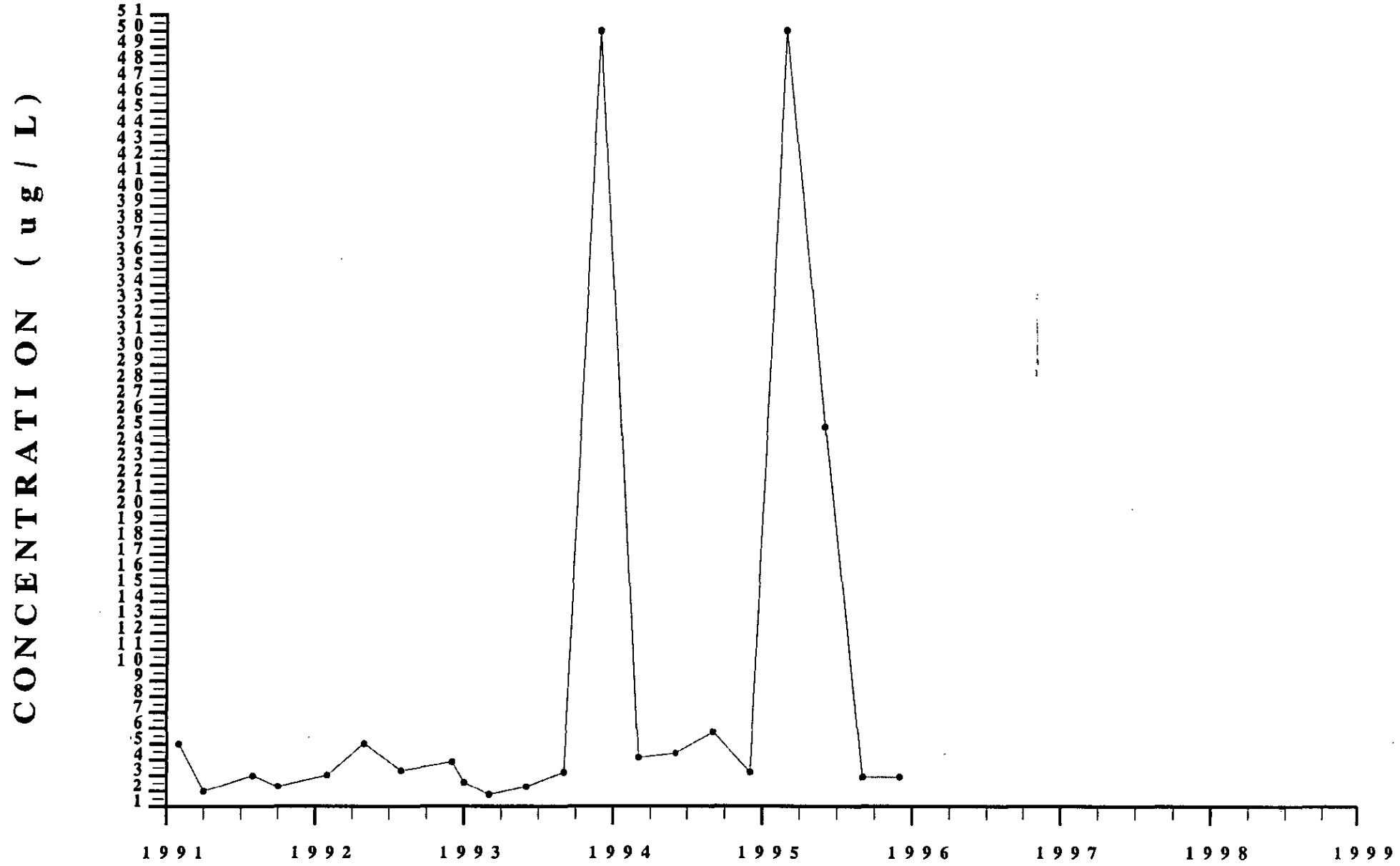
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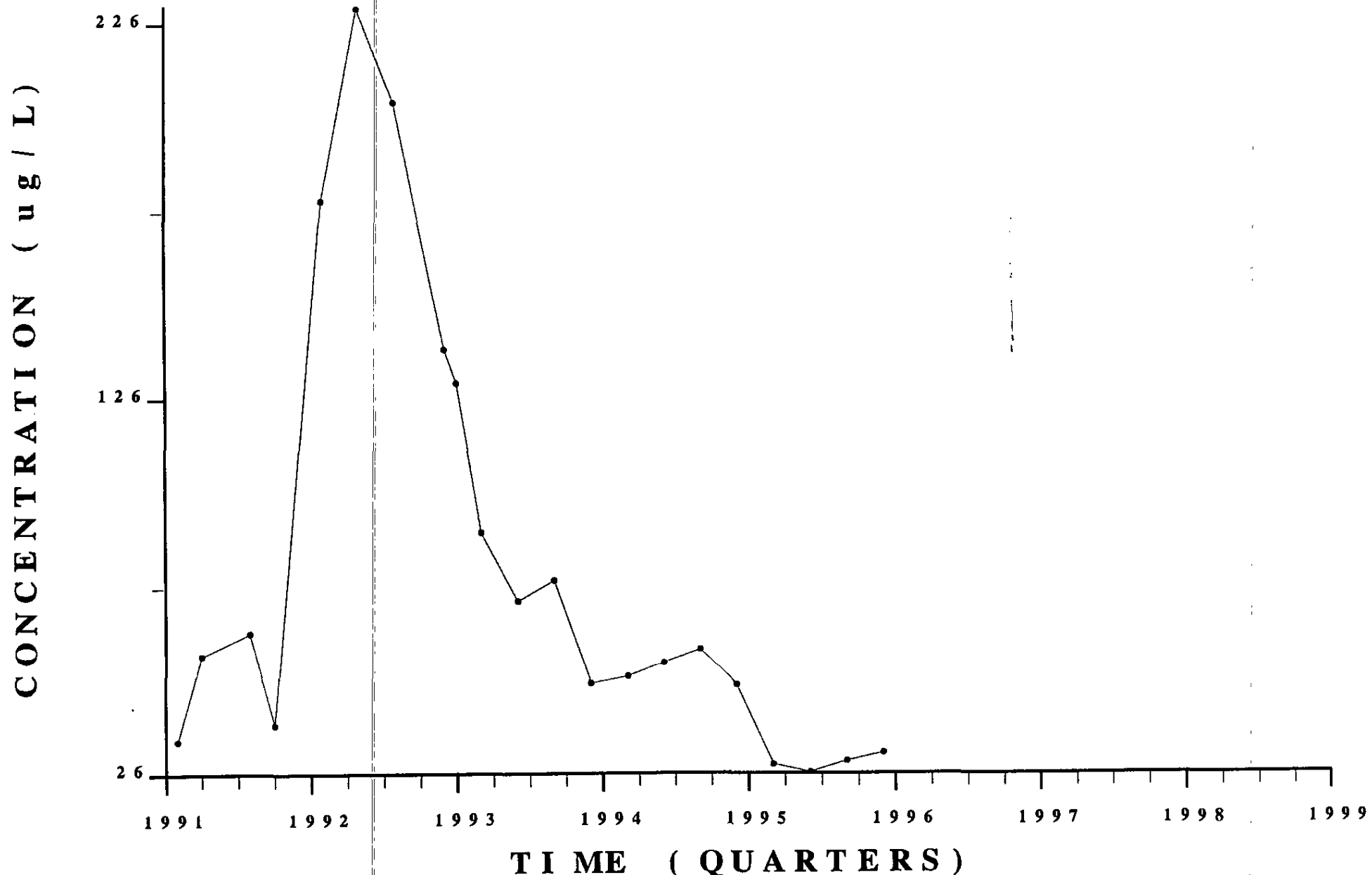
TIME (QUARTERS)

ETHYLBENZENE
WELL LFW 22



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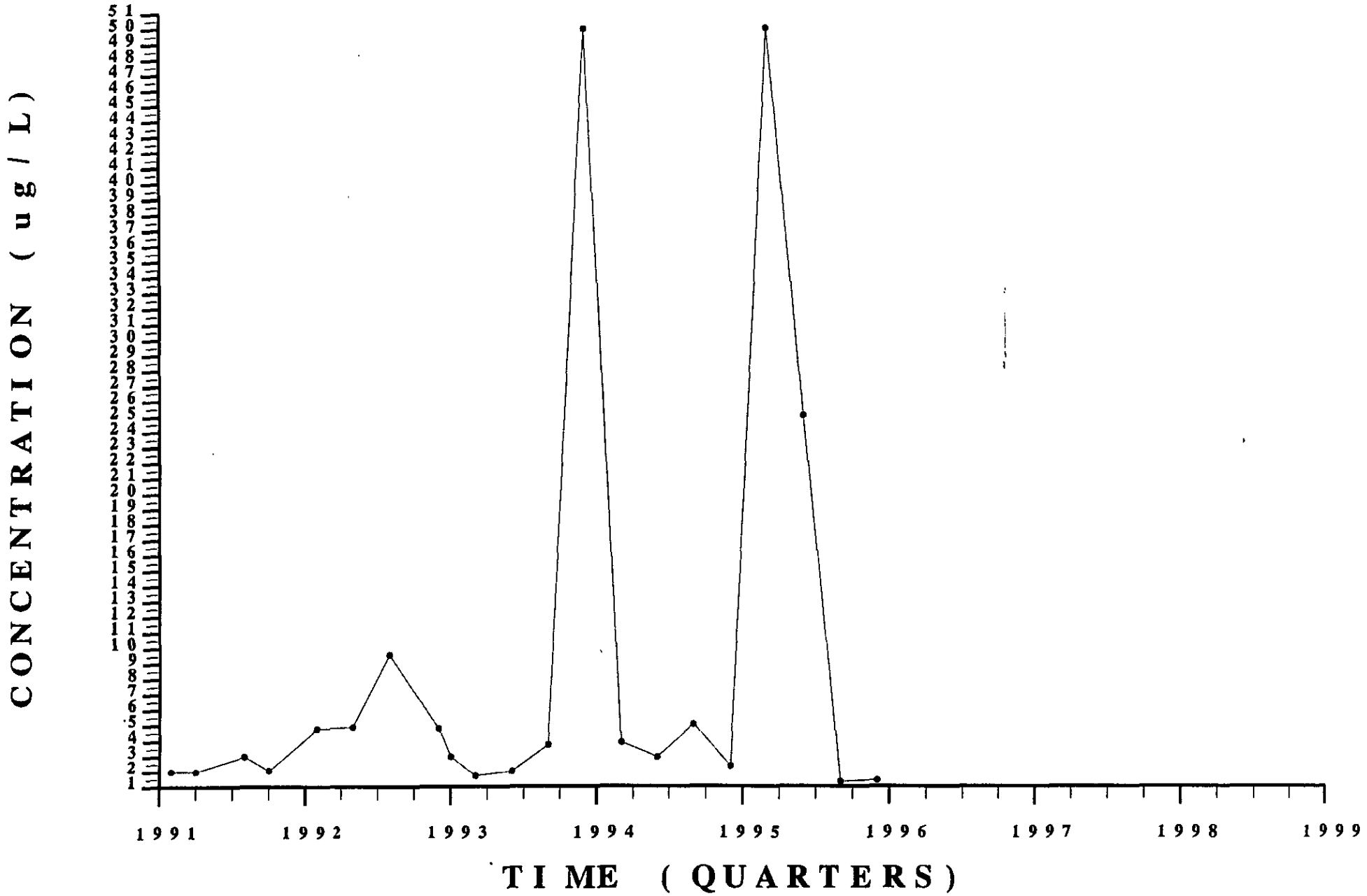
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TIME (QUARTERS)

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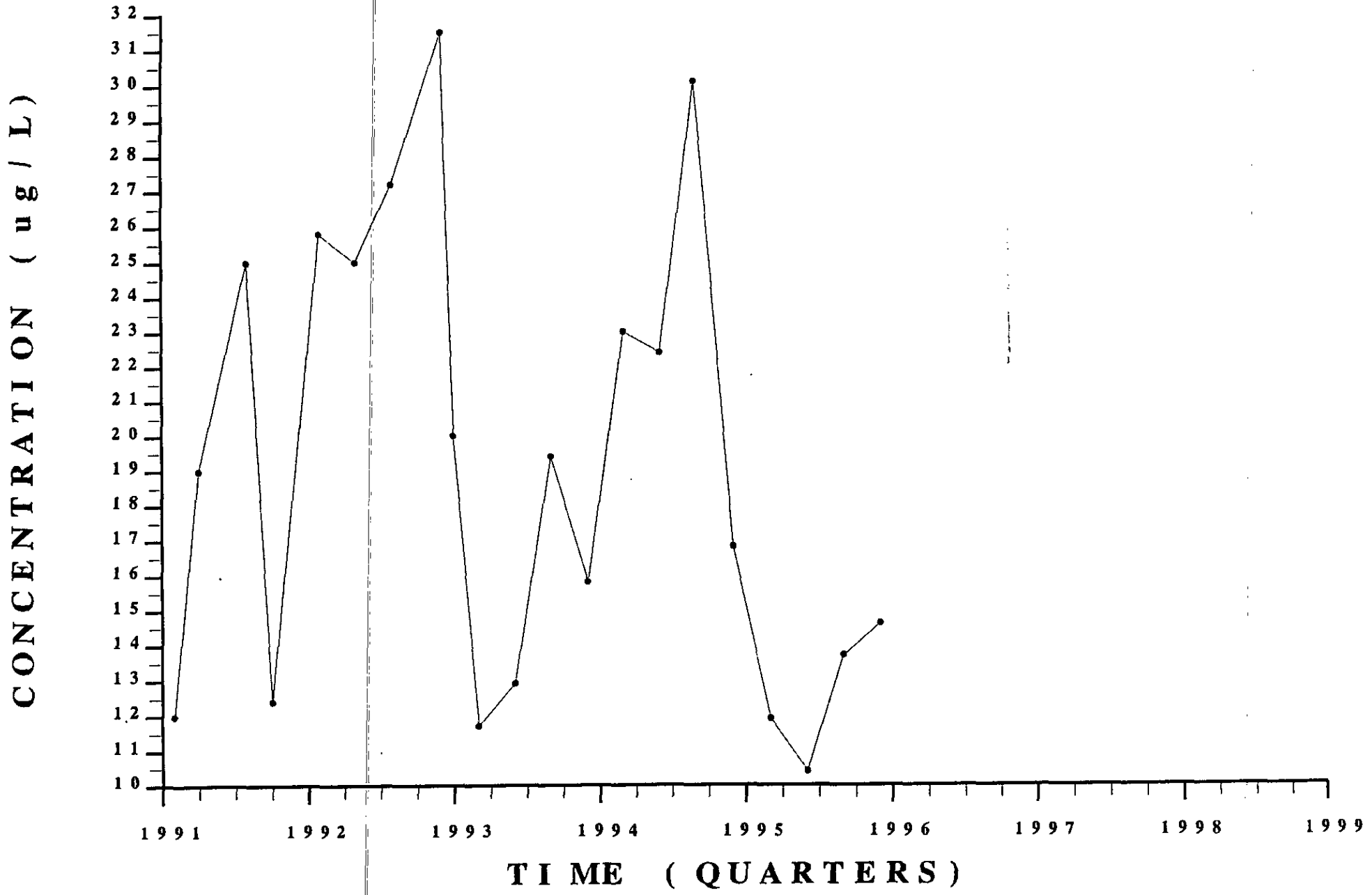
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TIME (QUARTERS)

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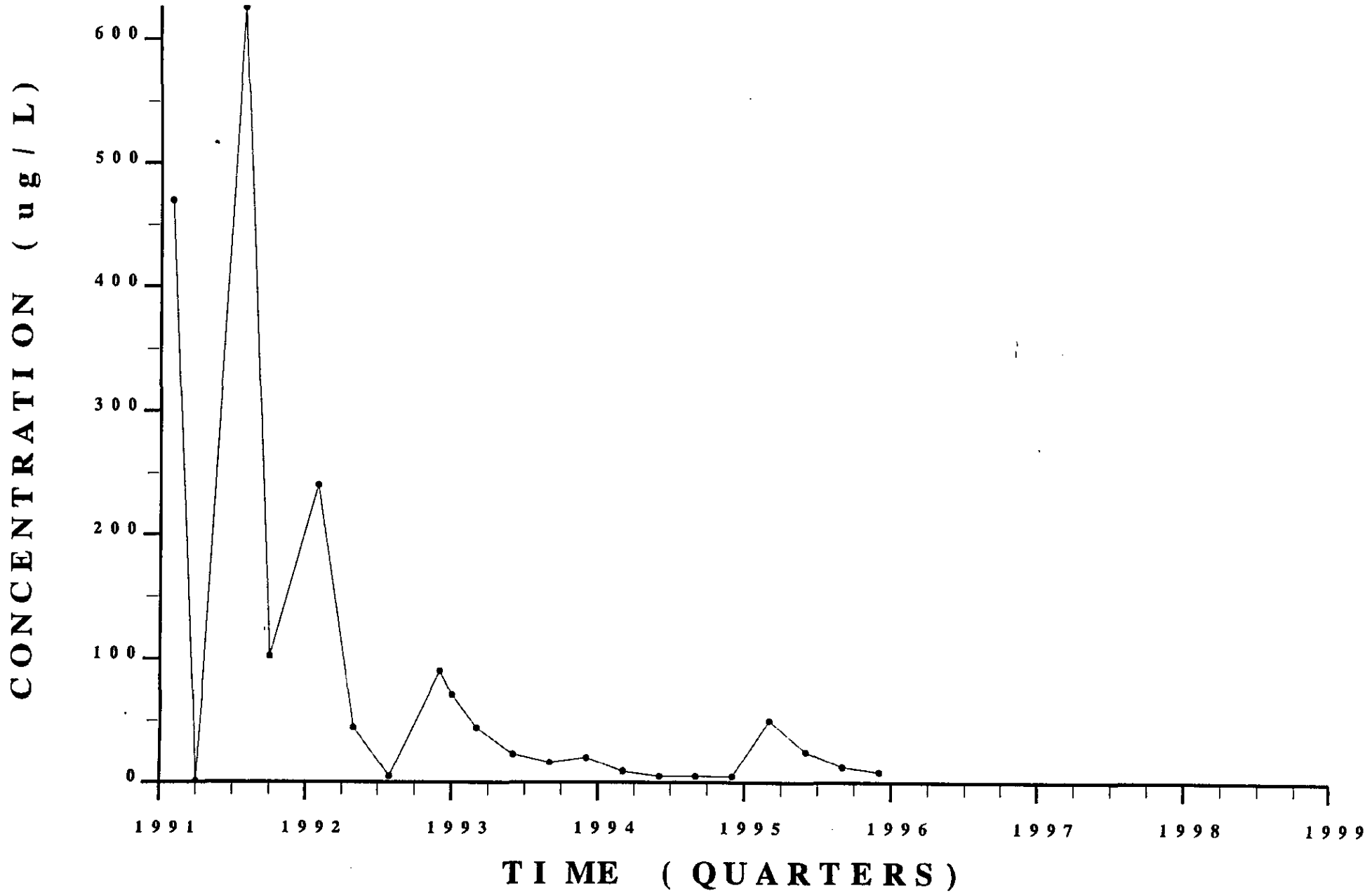
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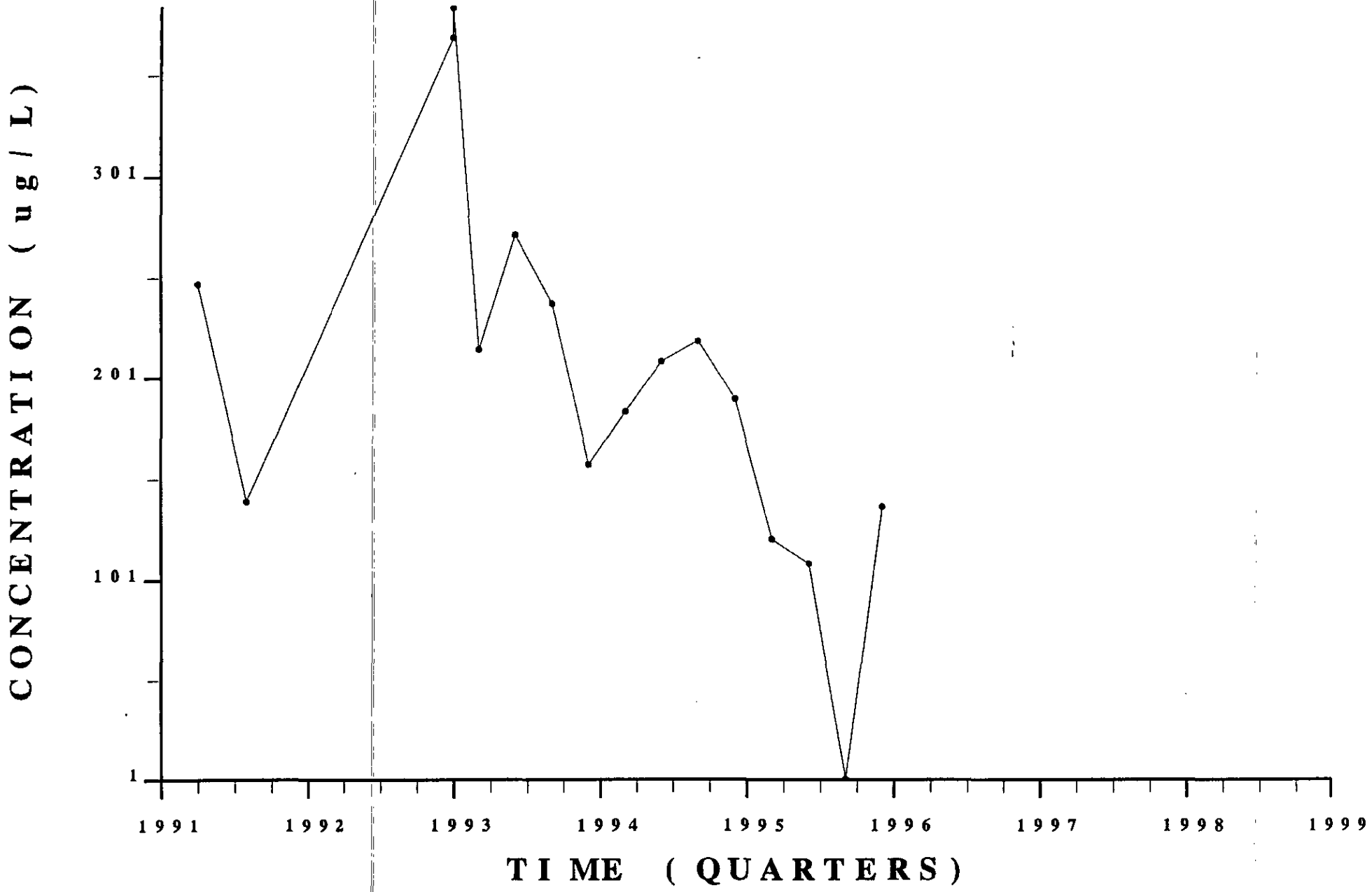
1996
1997
1998
1999
TIME (QUARTERS)

WELL LFW 22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1
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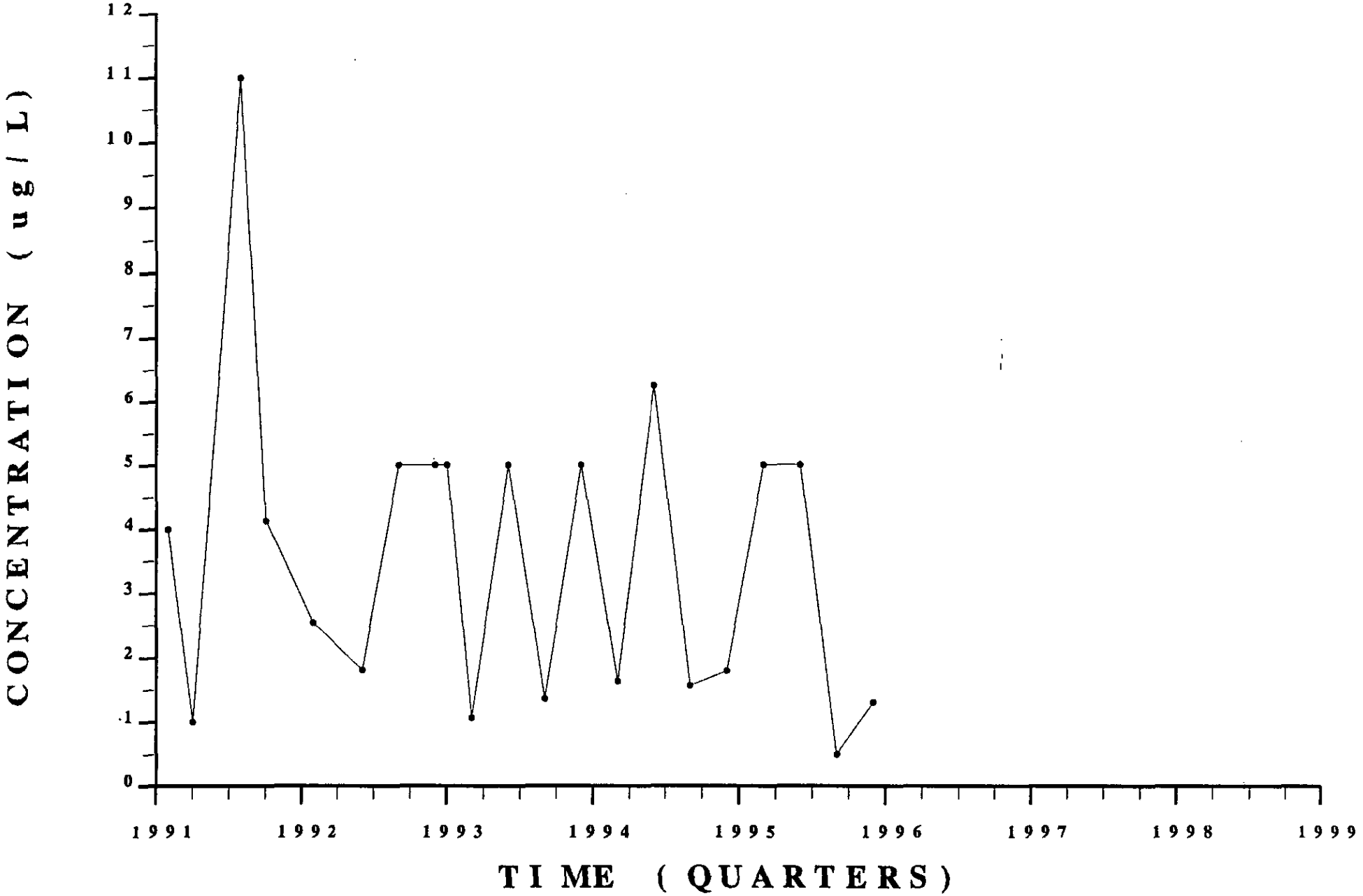
1998
1999
TIME (QUARTERS)

WELL LFW 36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11
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8
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1994
1995
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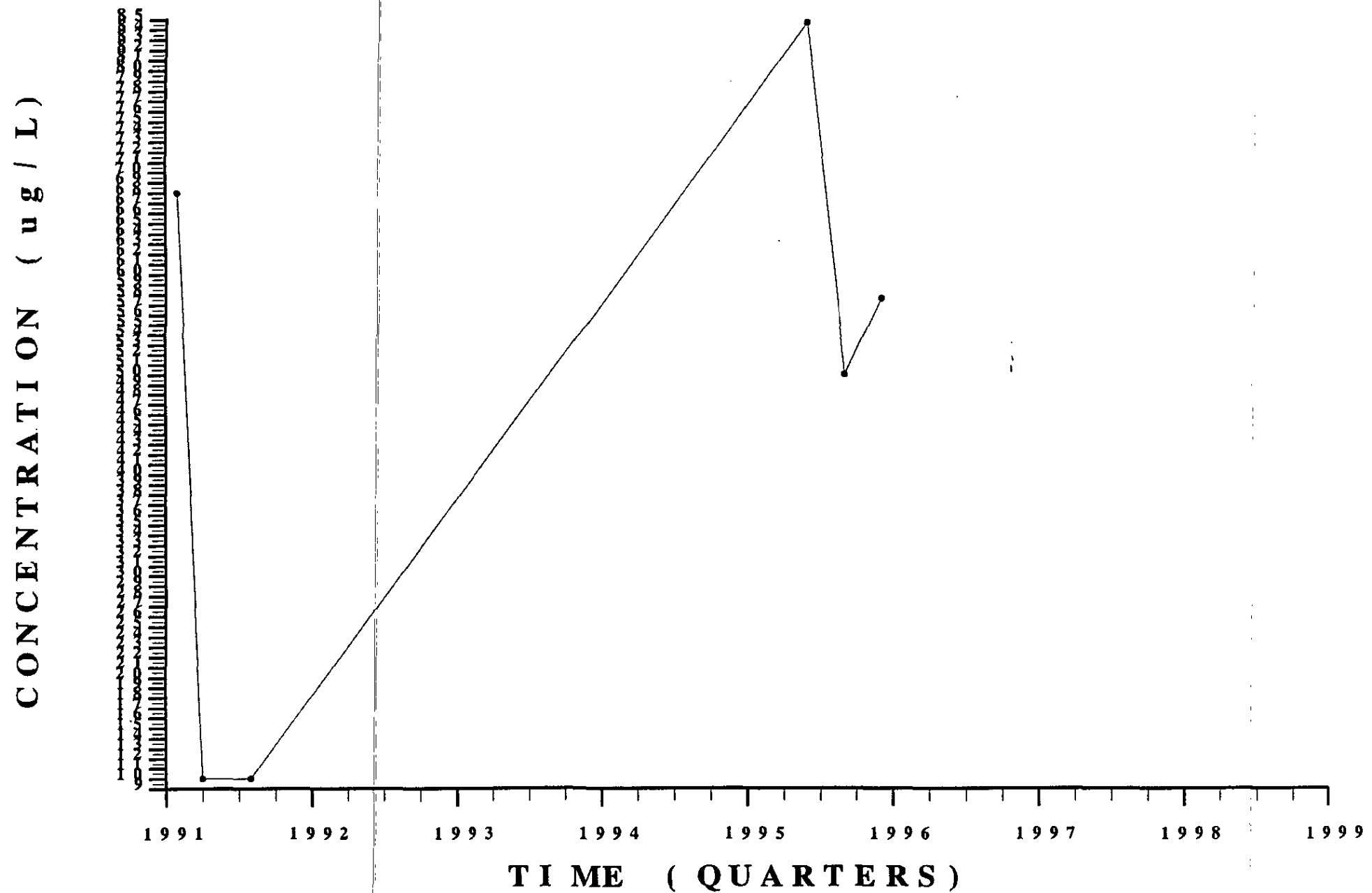
1997
1998
1999
TIME (QUARTERS)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TIME (QUARTERS)

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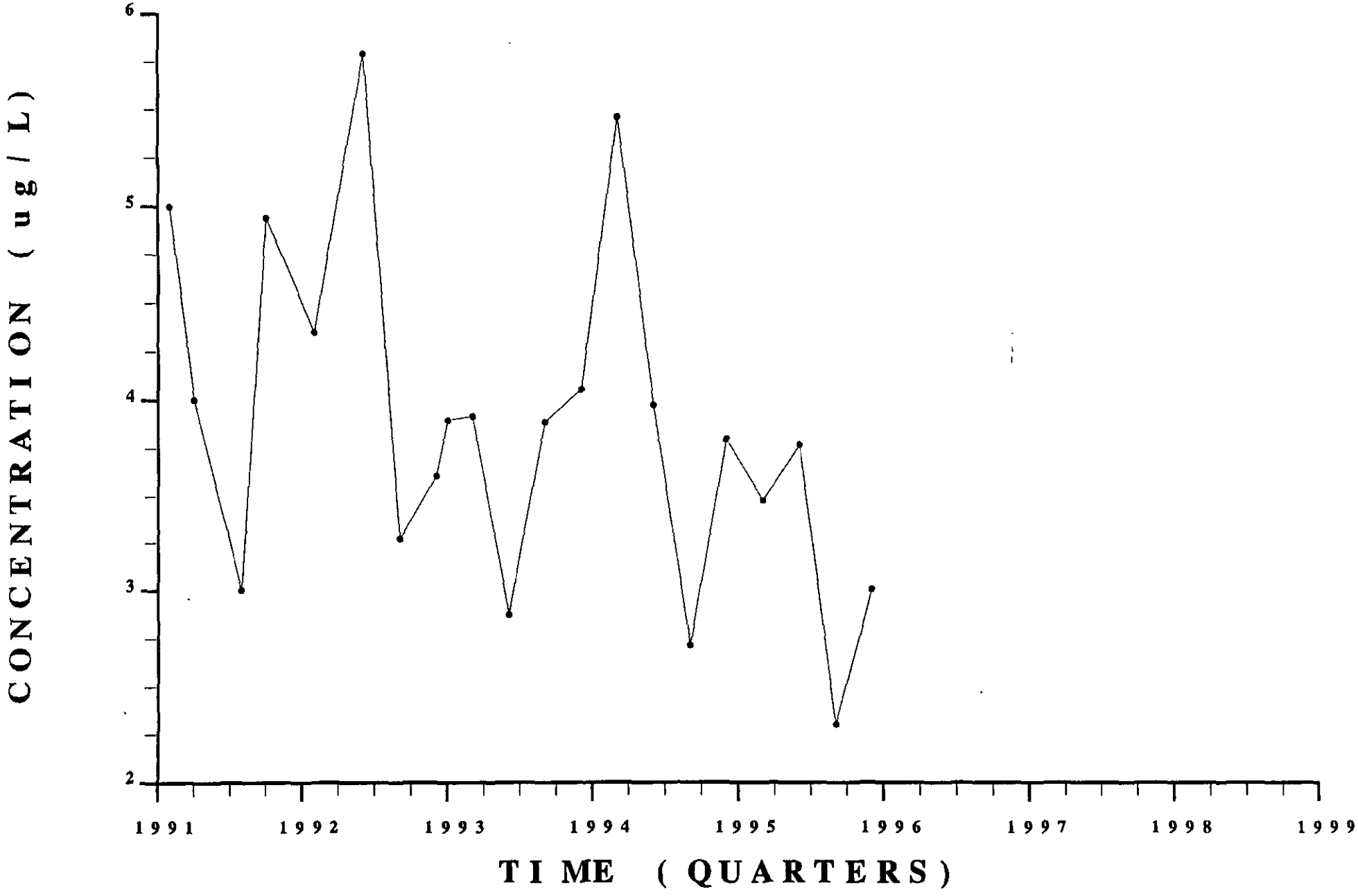
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1991
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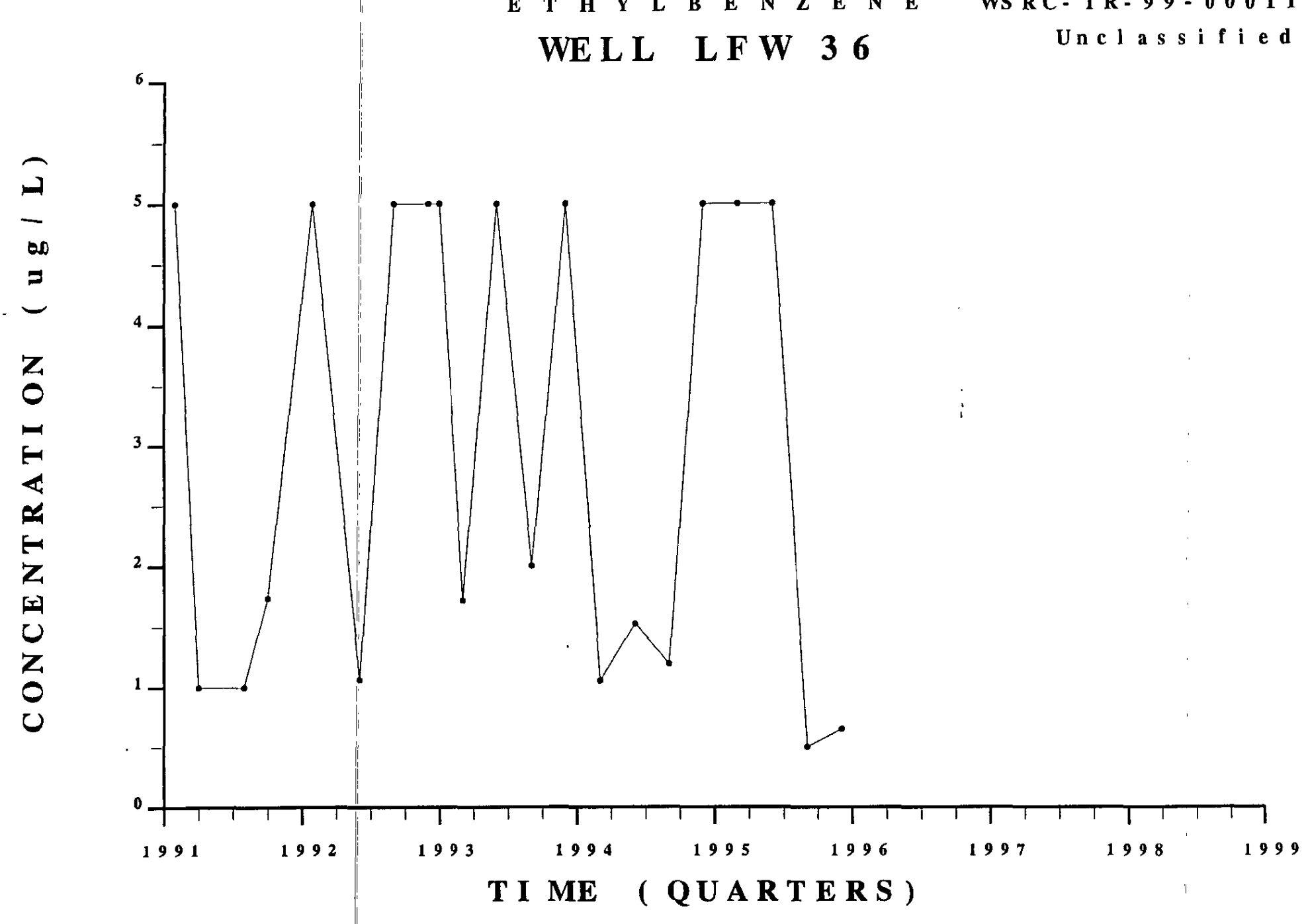
1998
1999
TIME (QUARTERS)


ETHYLBENZENE
WELL LFW 36
CONCENTRATION (ug/L)
0
1
2
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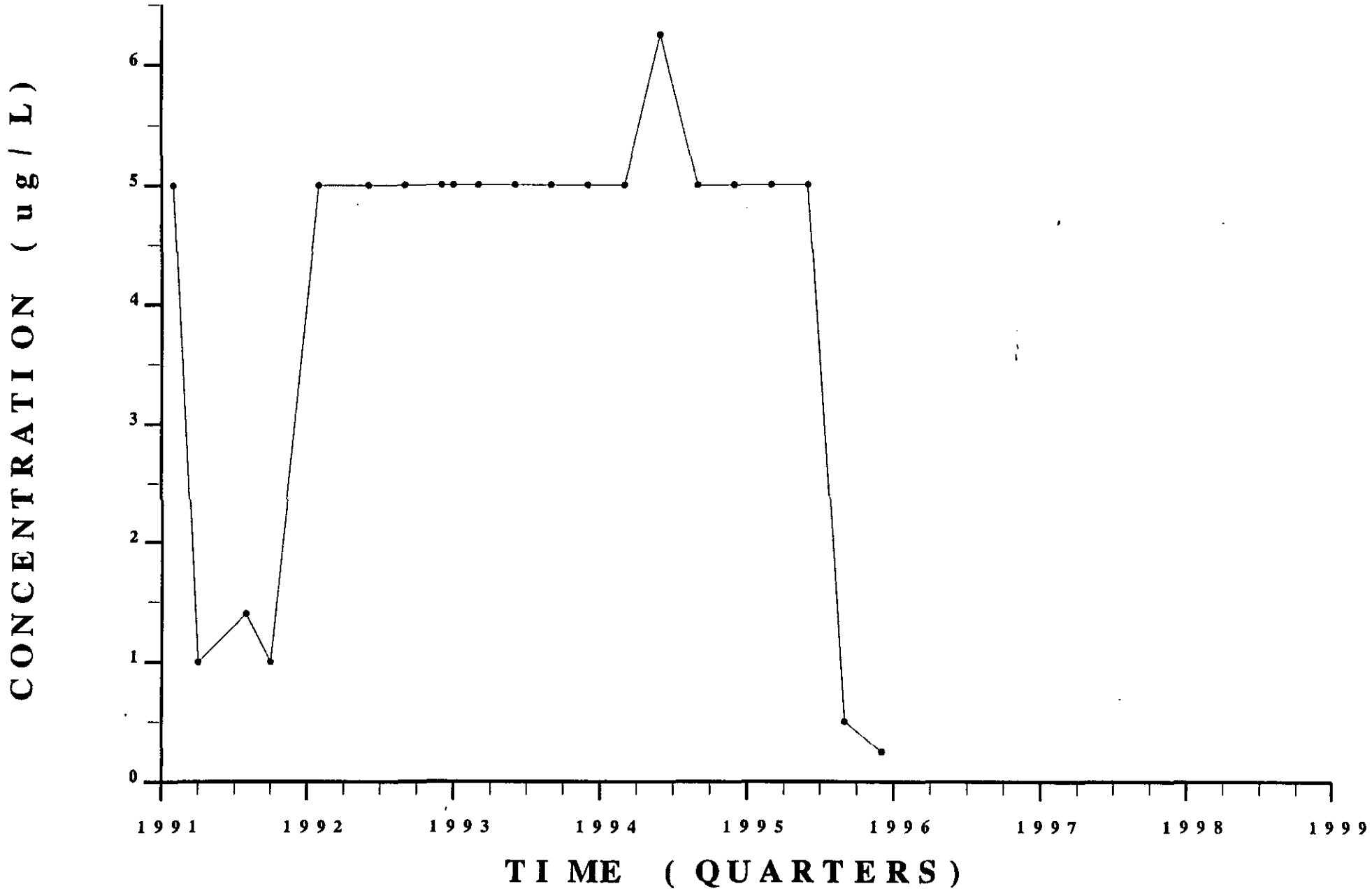
6
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

WELL LFW 36


CONCENTRATION (ug/L)
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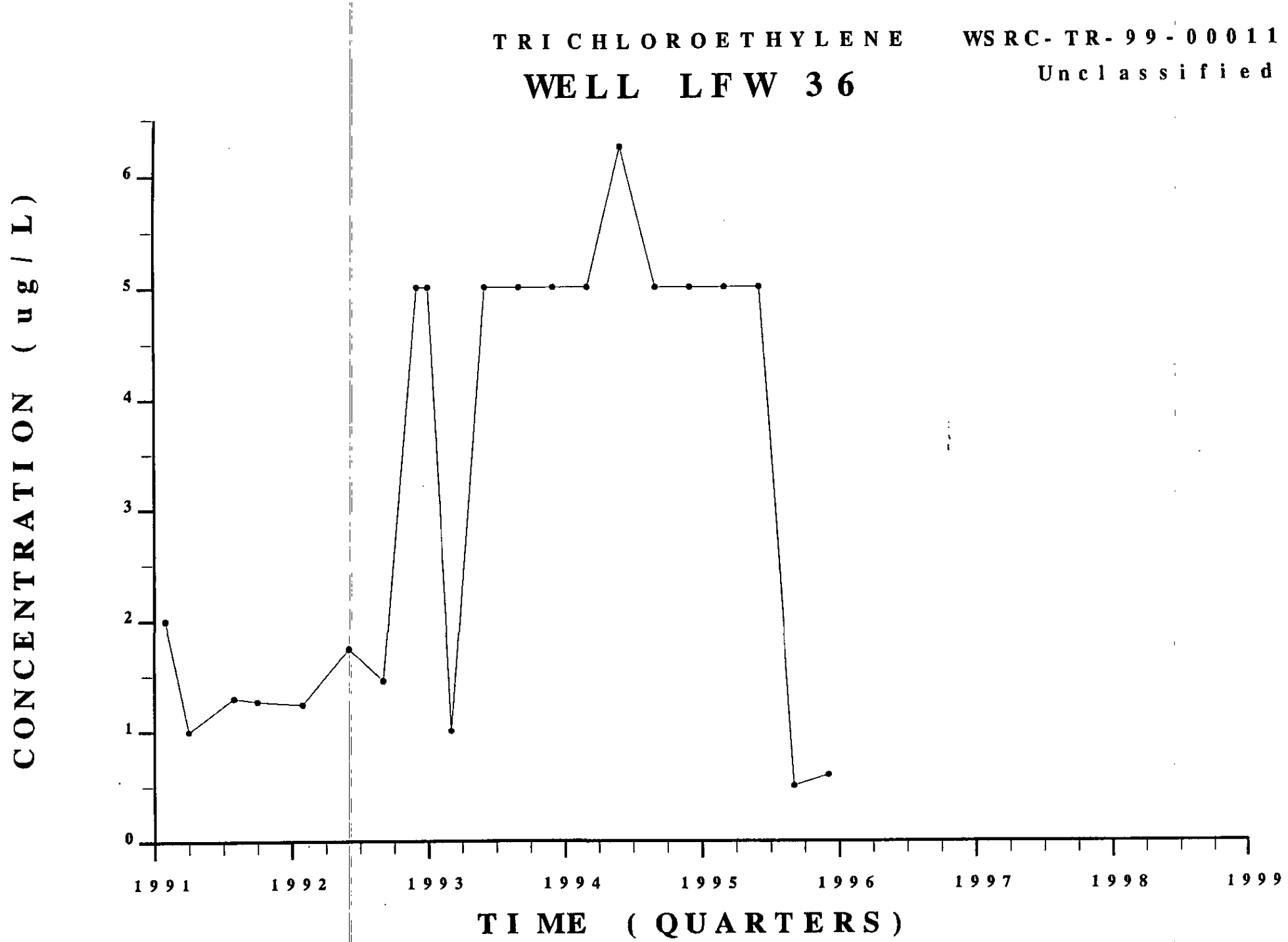
1999
TIME (QUARTERS)


TRICHLOROETHYLENE
WELL LFW 36
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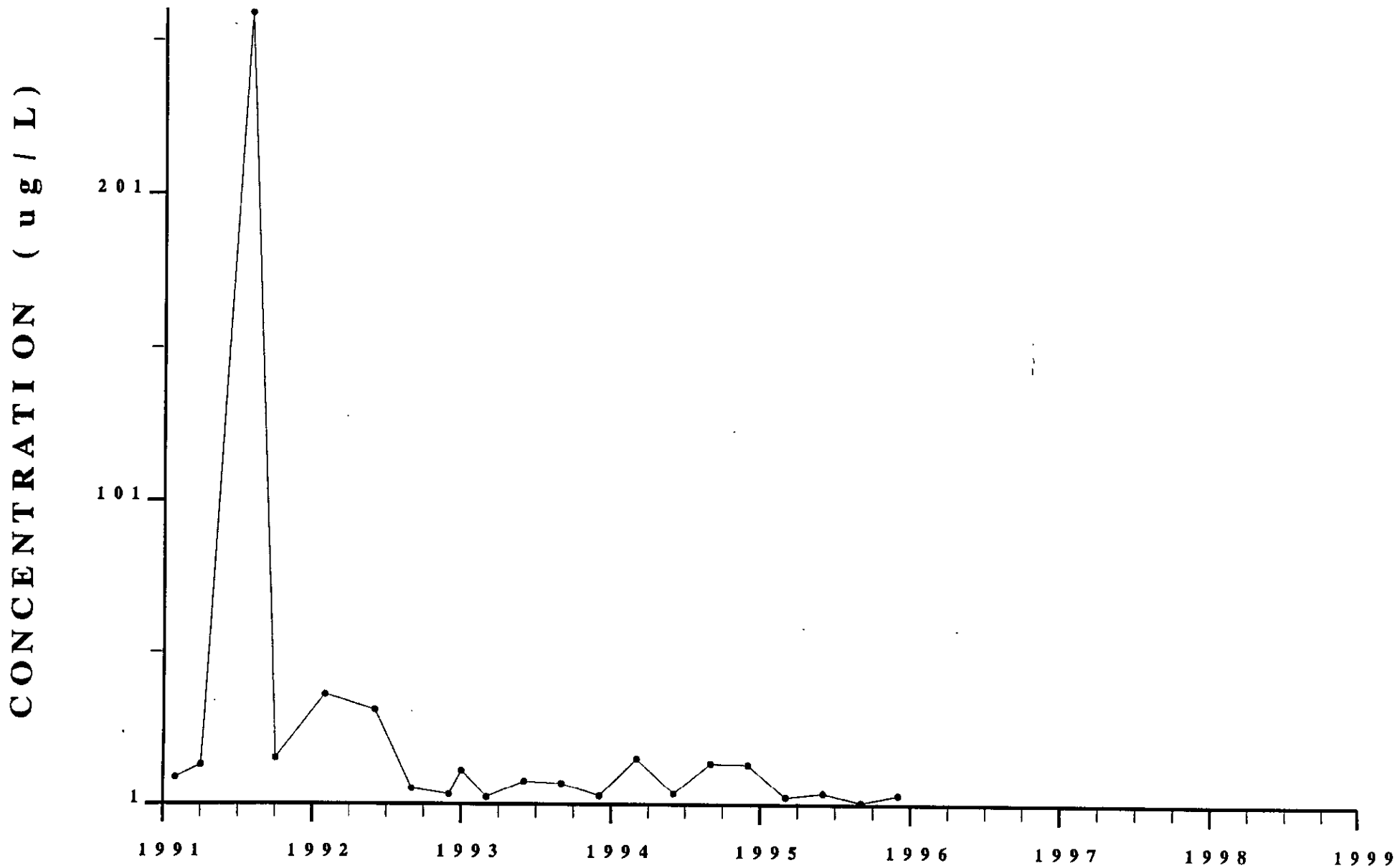
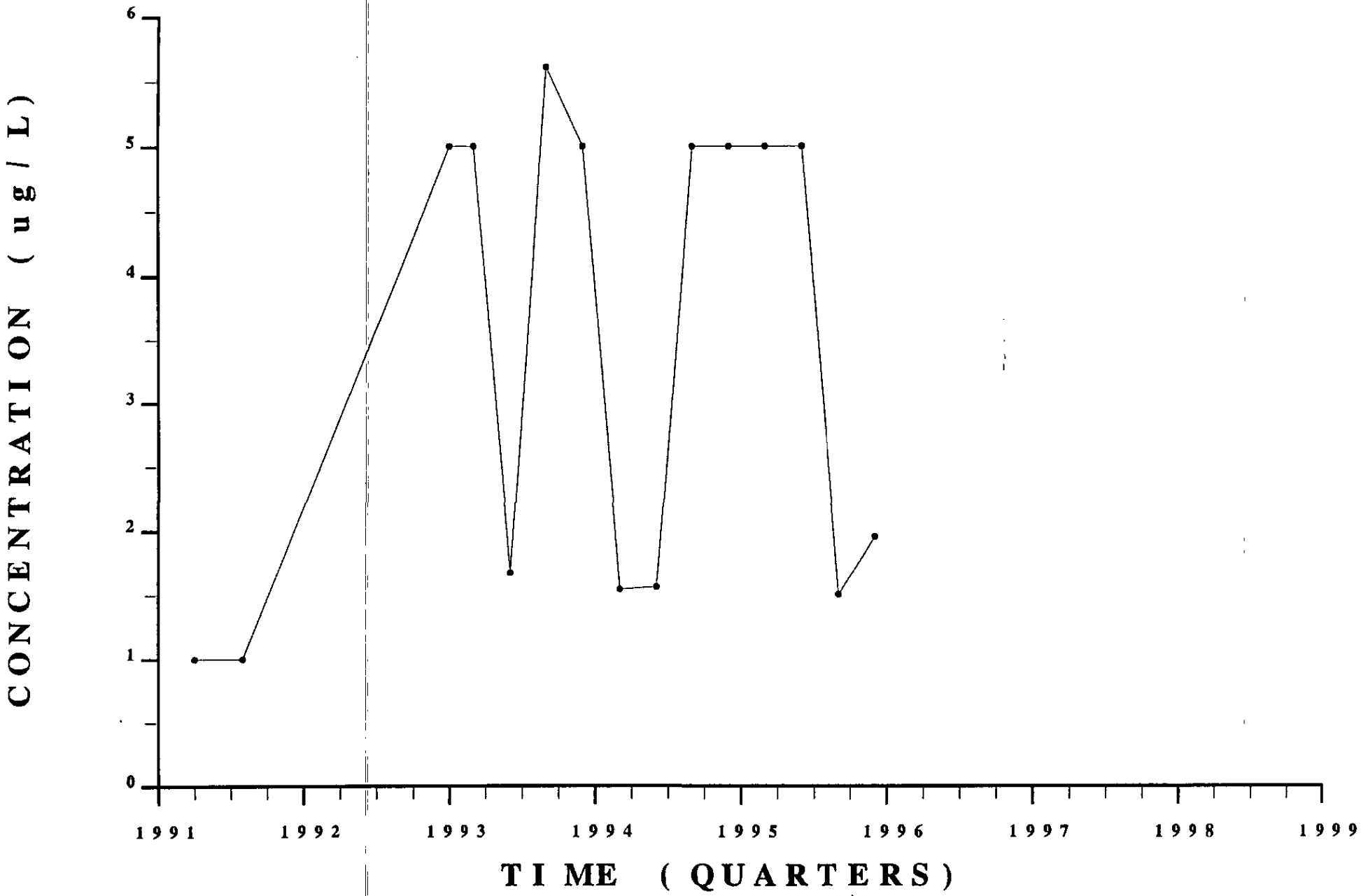
TIME (QUARTERS)

WELL LFW 36

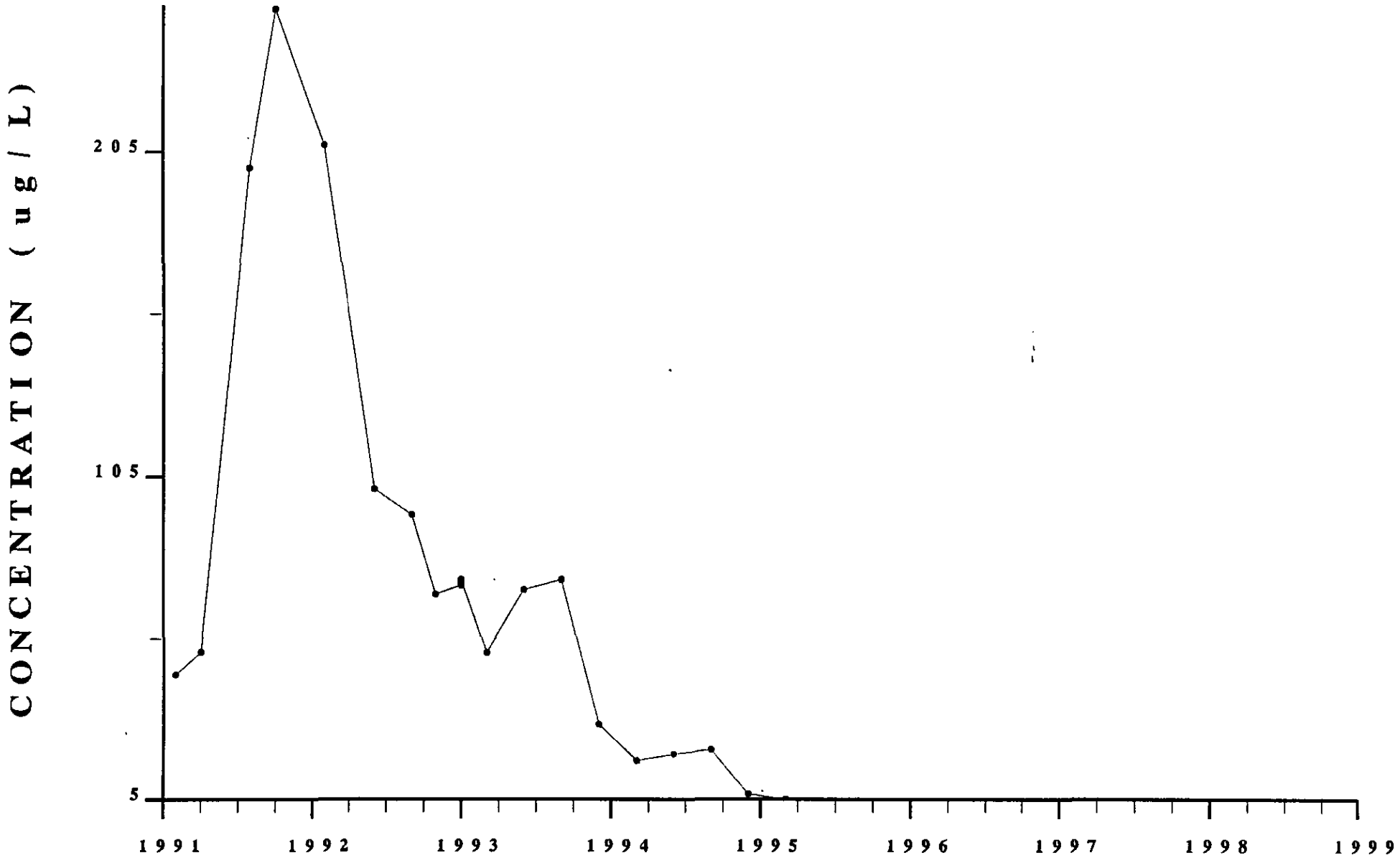

CONCENTRATION (ug/L)
201
101
1
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

XYLENES

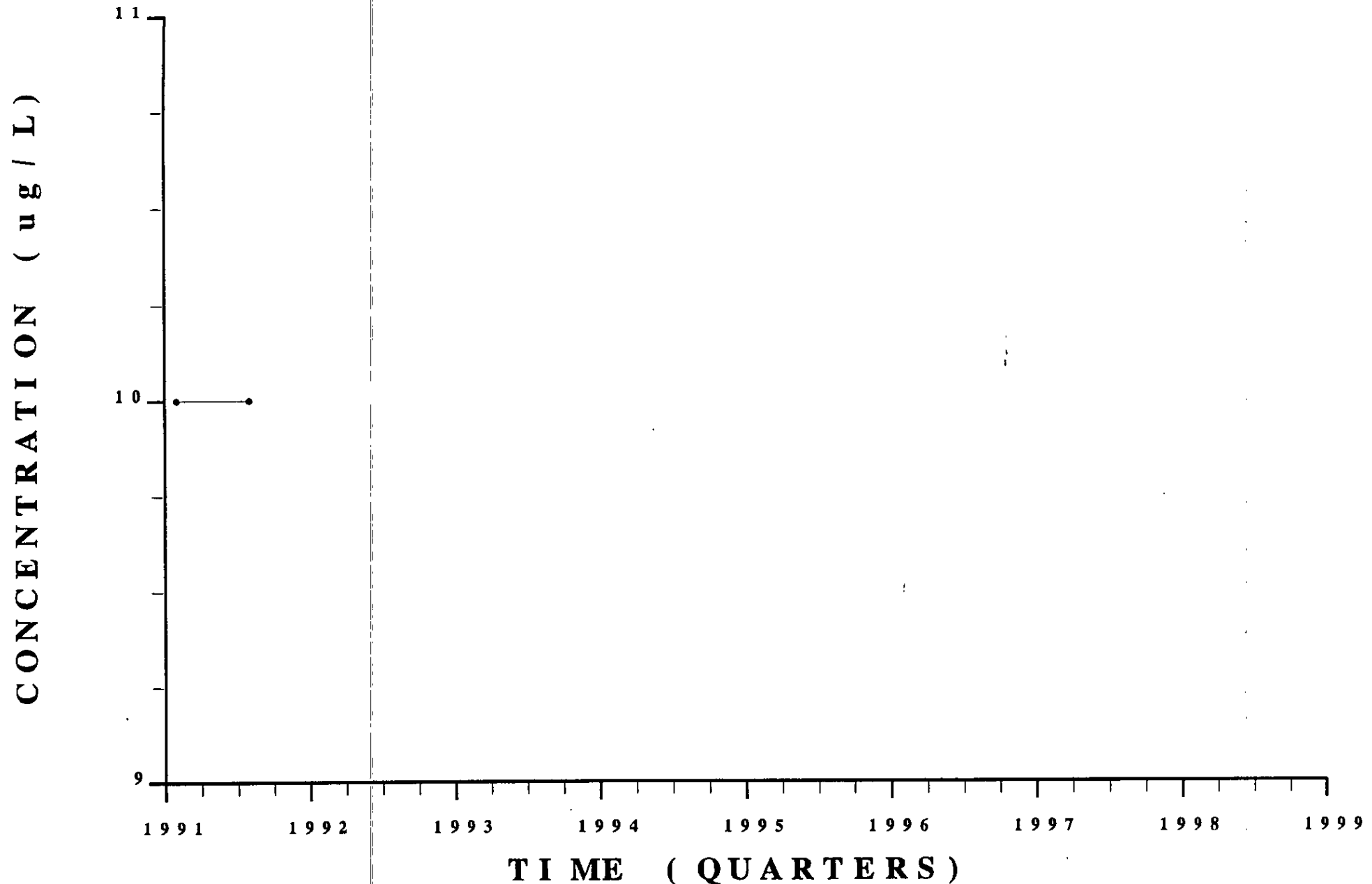
WELL LFW 36



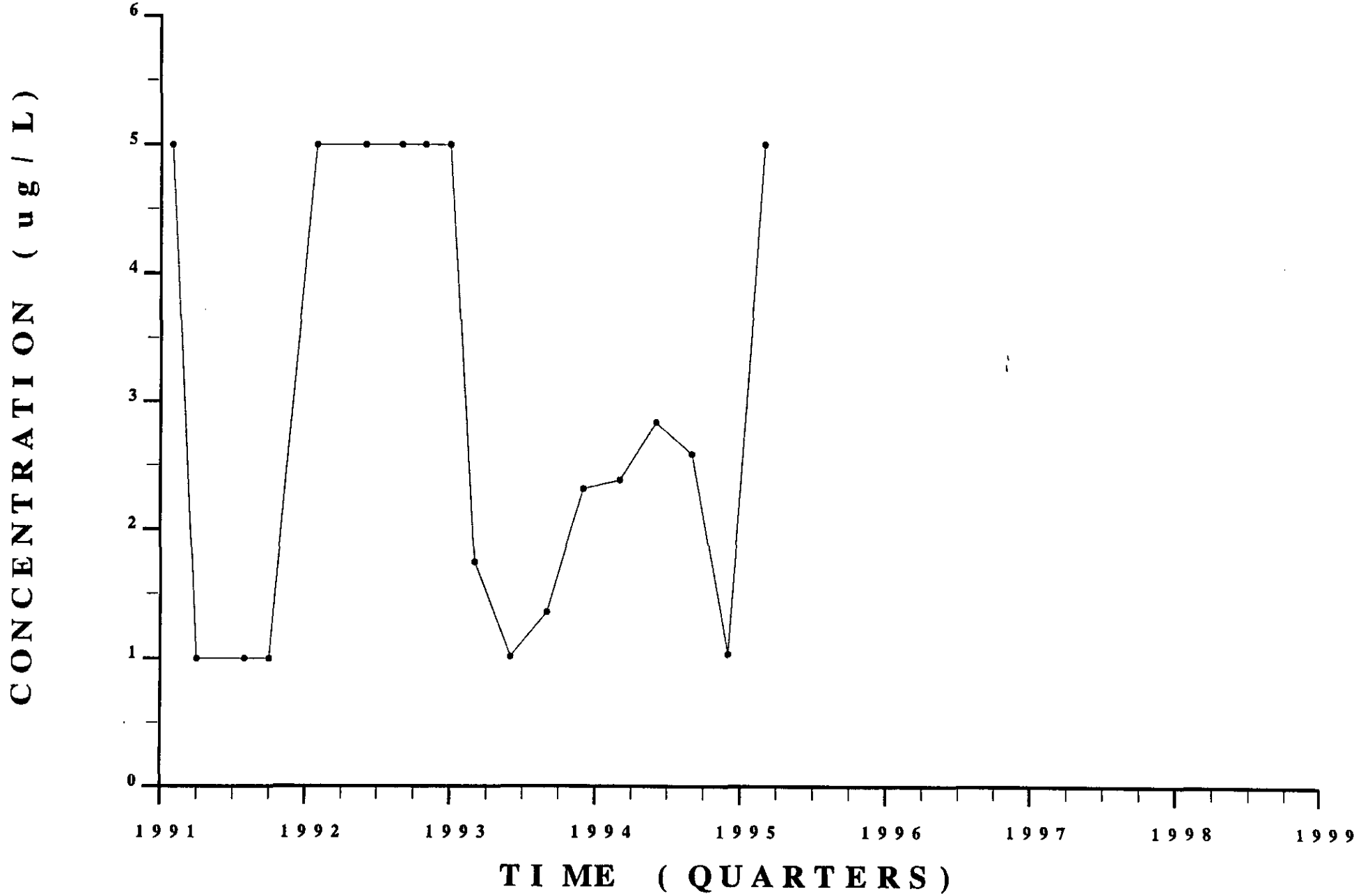
WELL LFW 39


CONCENTRATION (ug/L)
205
105
5
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

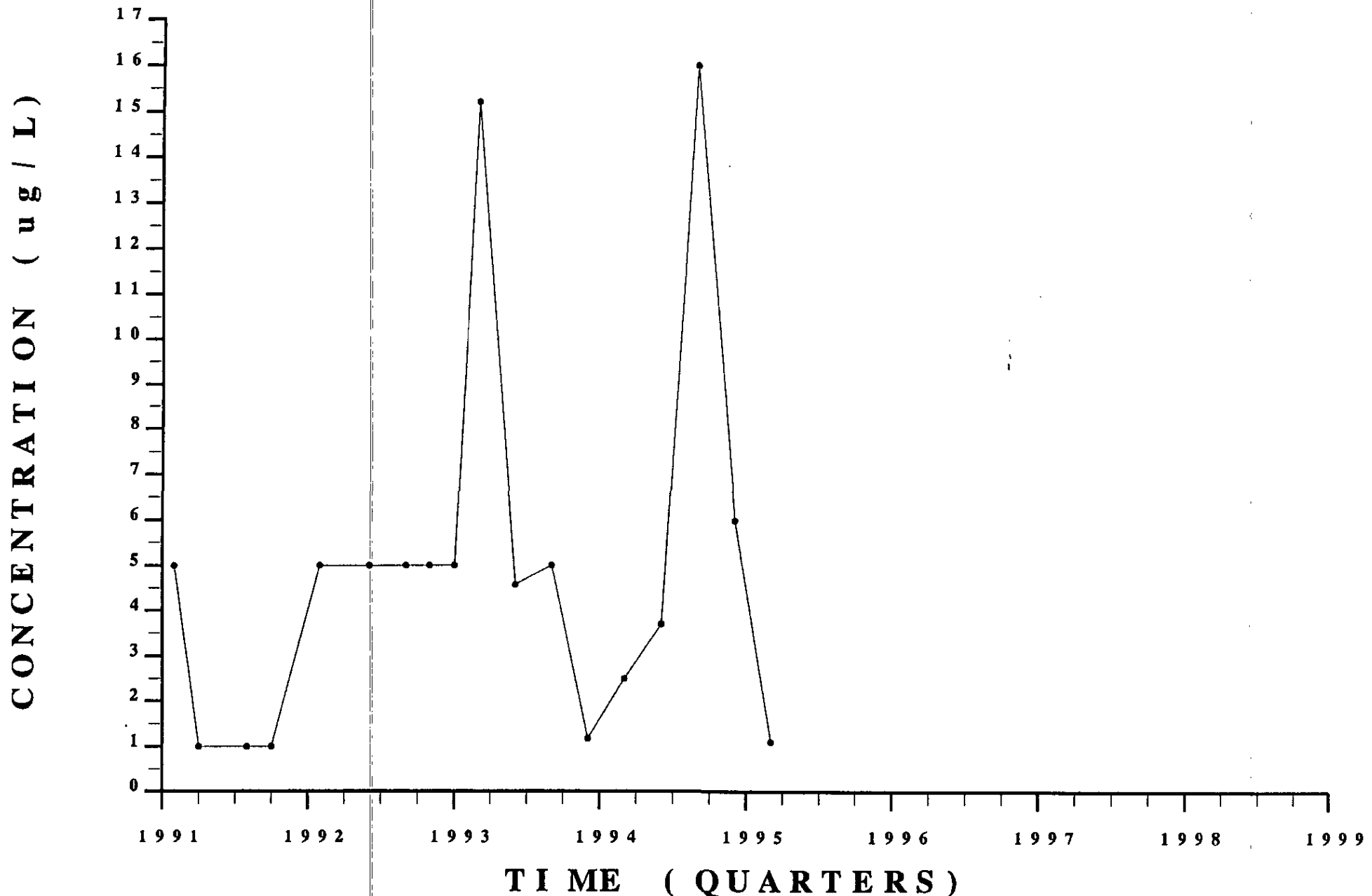
WELL LFW 39


CONCENTRATION (ug/L)
11
10
9
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

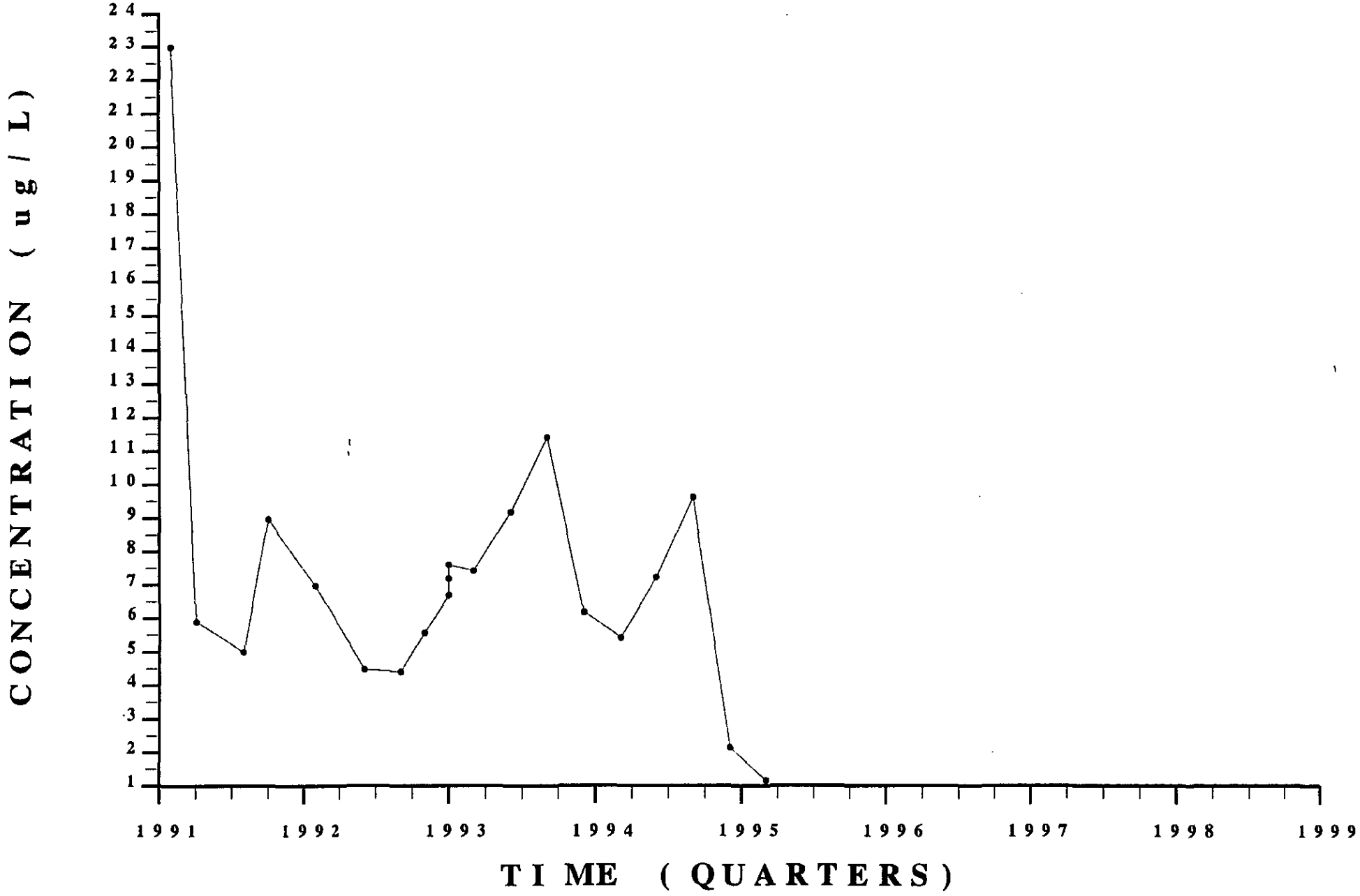
WELL LFW 39


CONCENTRATION (ug/L)
0
1
2
3
4
5
6
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

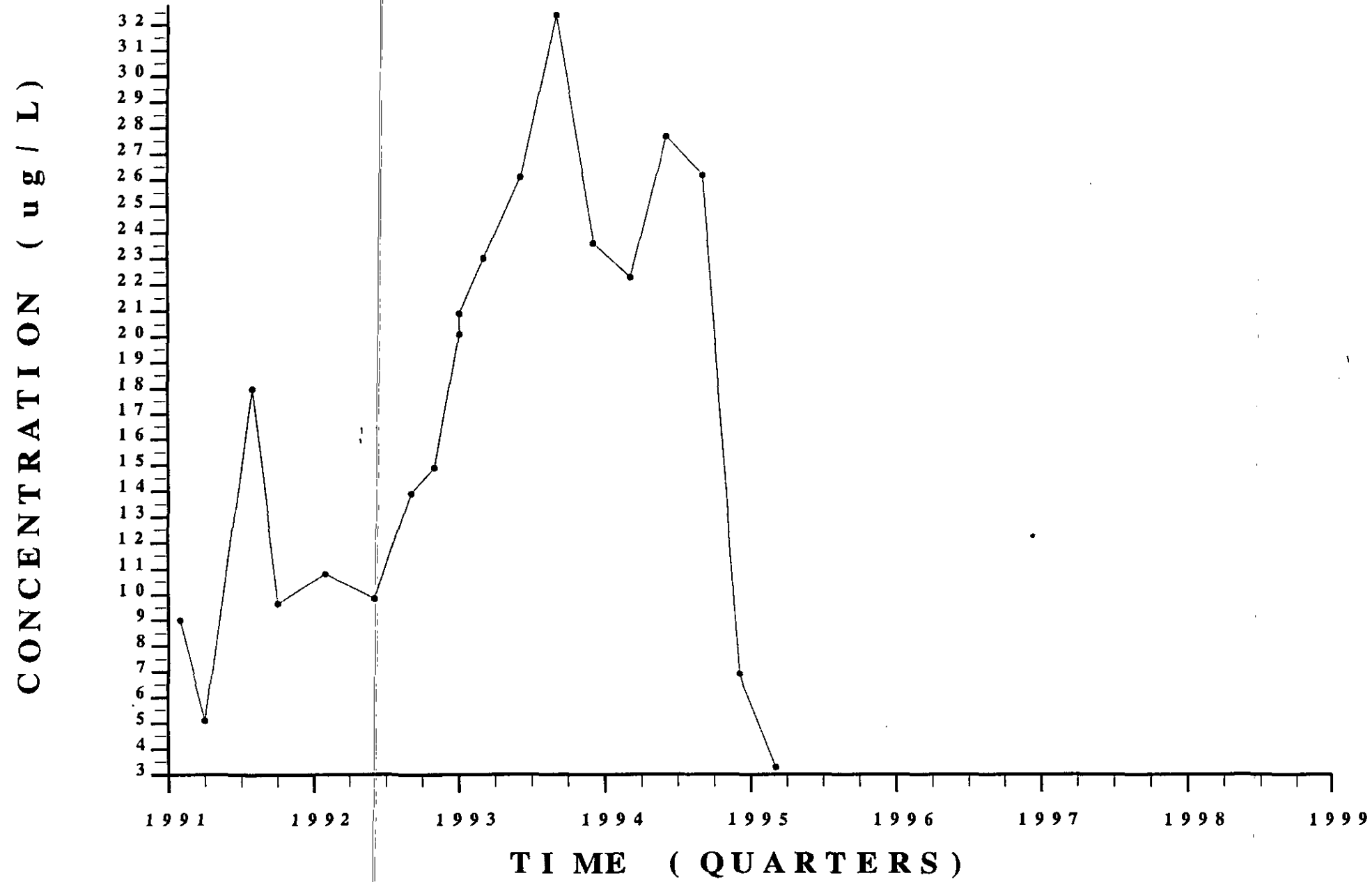
ETHYLBENZENE
WELL LFW 39



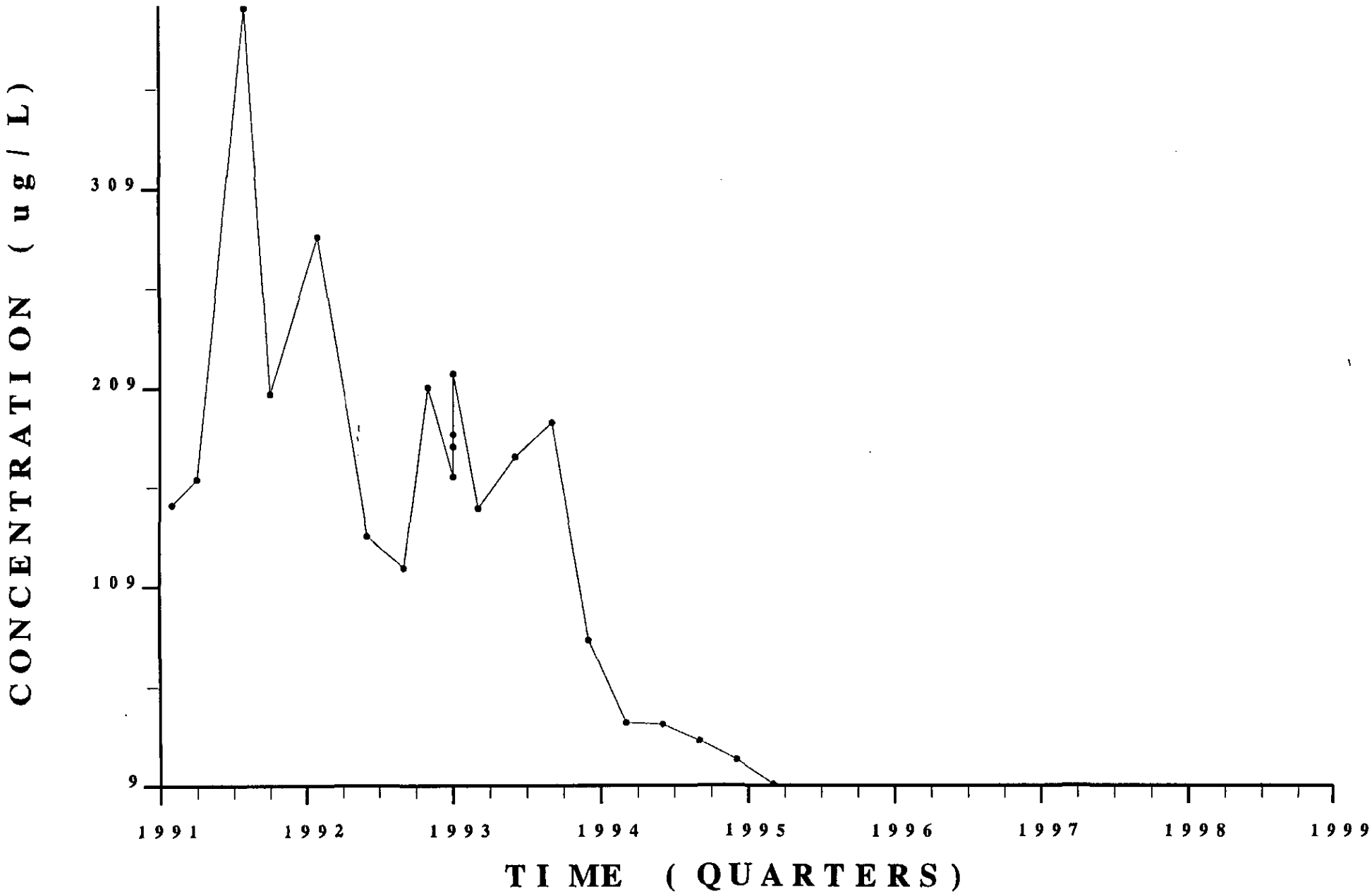
WELL LFW 39

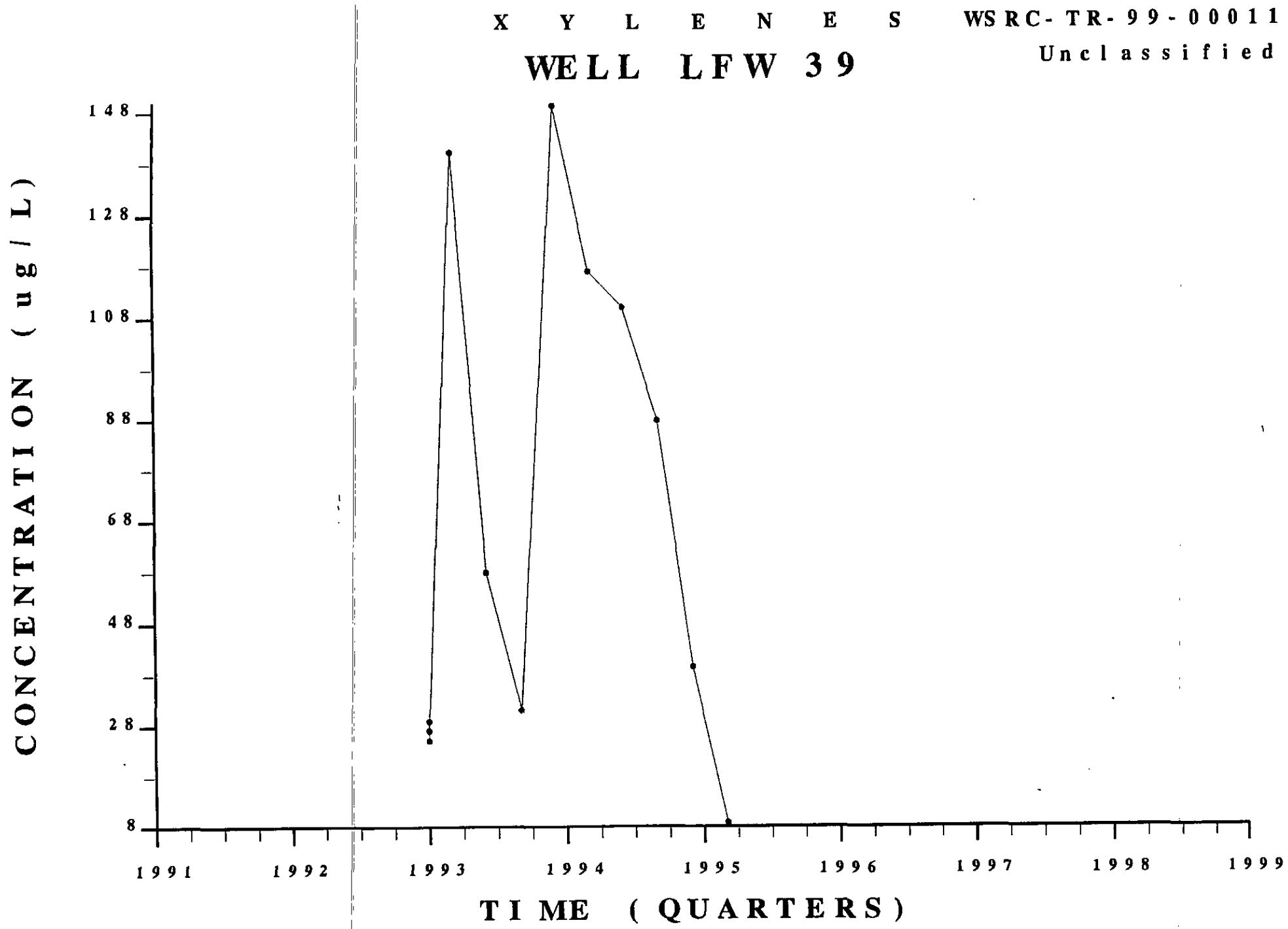

CONCENTRATION (ug/L)
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

TRICHLOROETHYLENE
WELL LFW 39

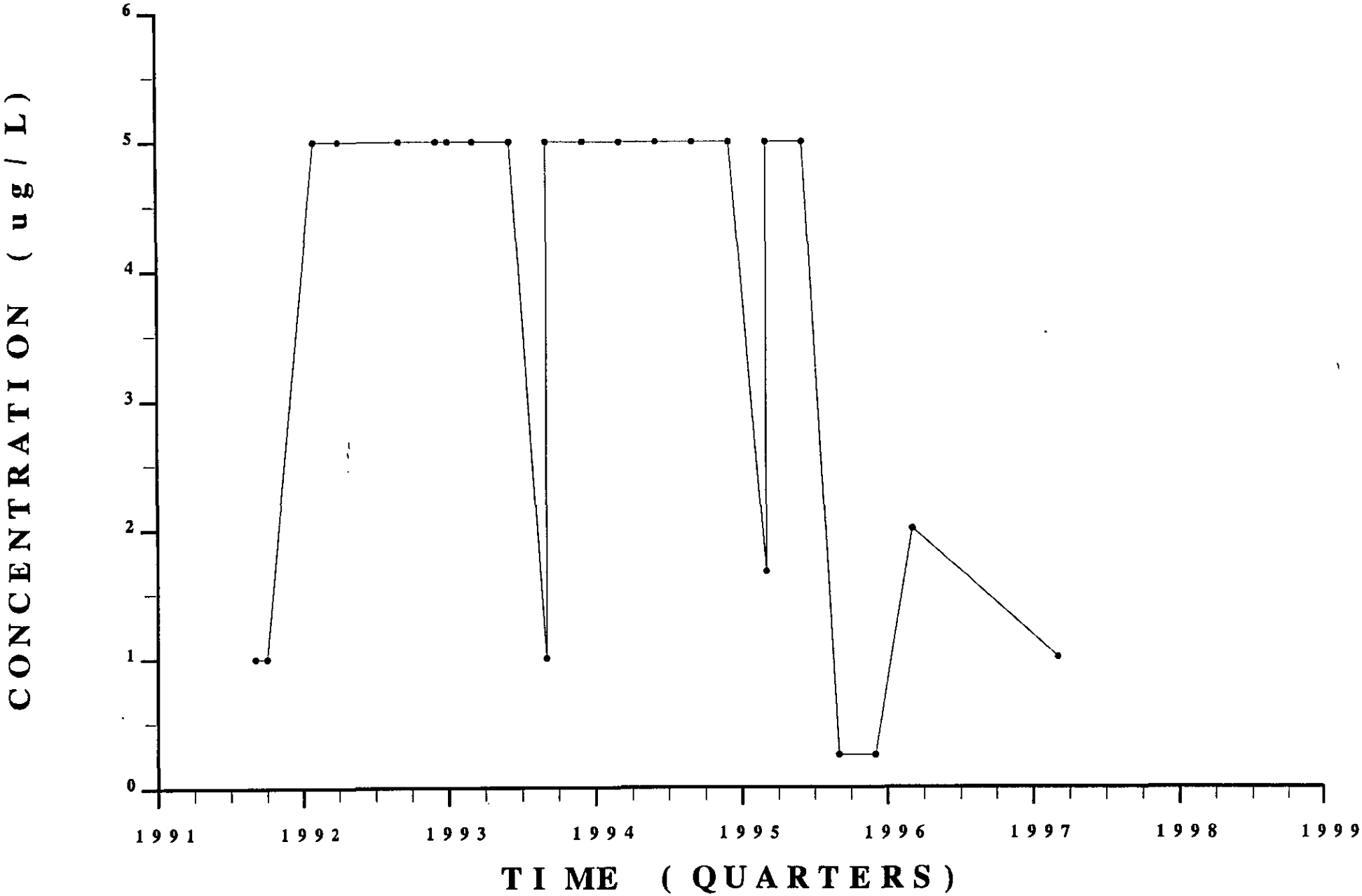


WELL LFW 39

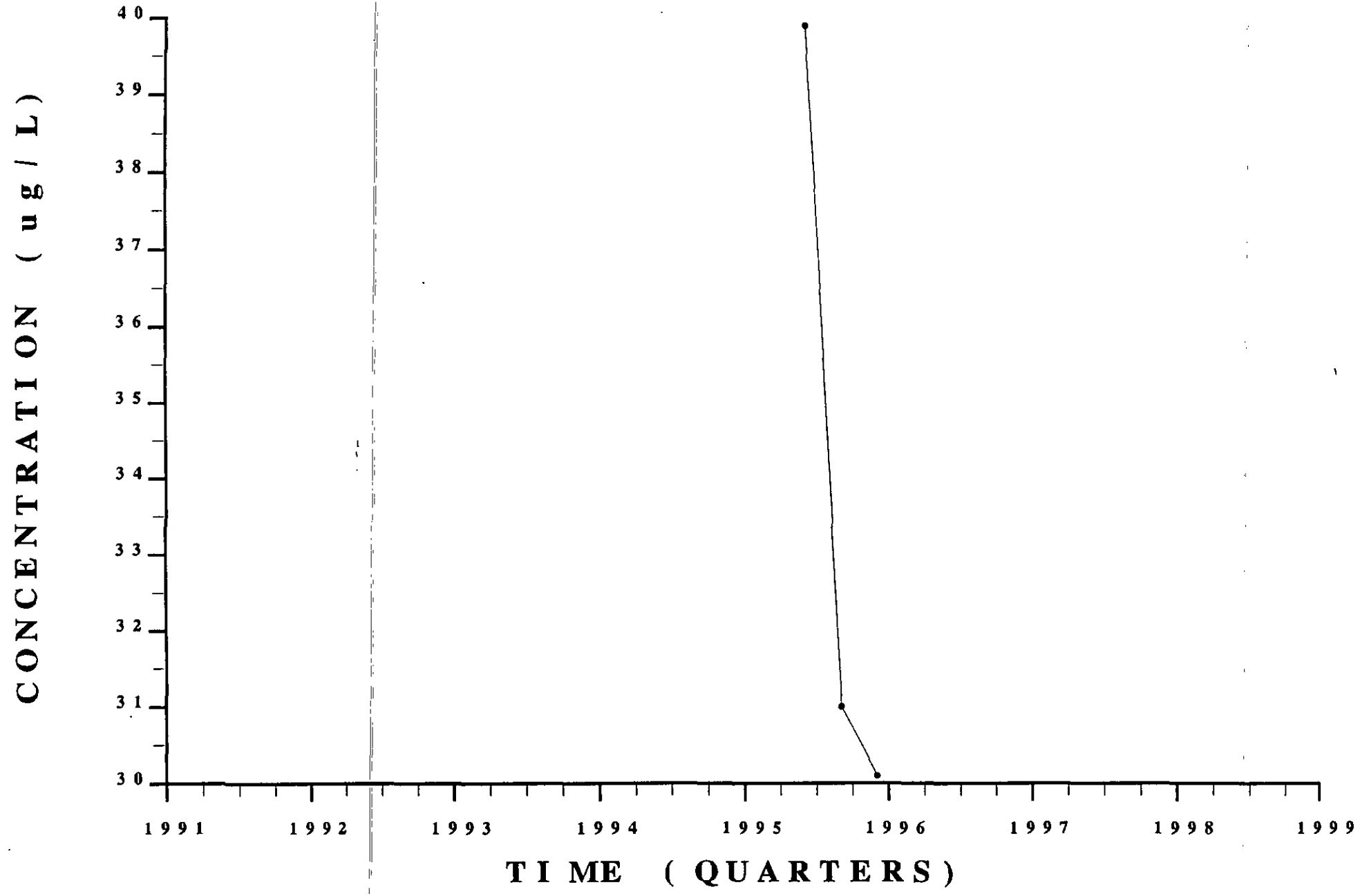

CONCENTRATION (ug/L)
309
209
109
9
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)


XYLENES
WELL LFW 39
CONCENTRATION (ug/L)
148
128
108
88
68
48
28
8
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

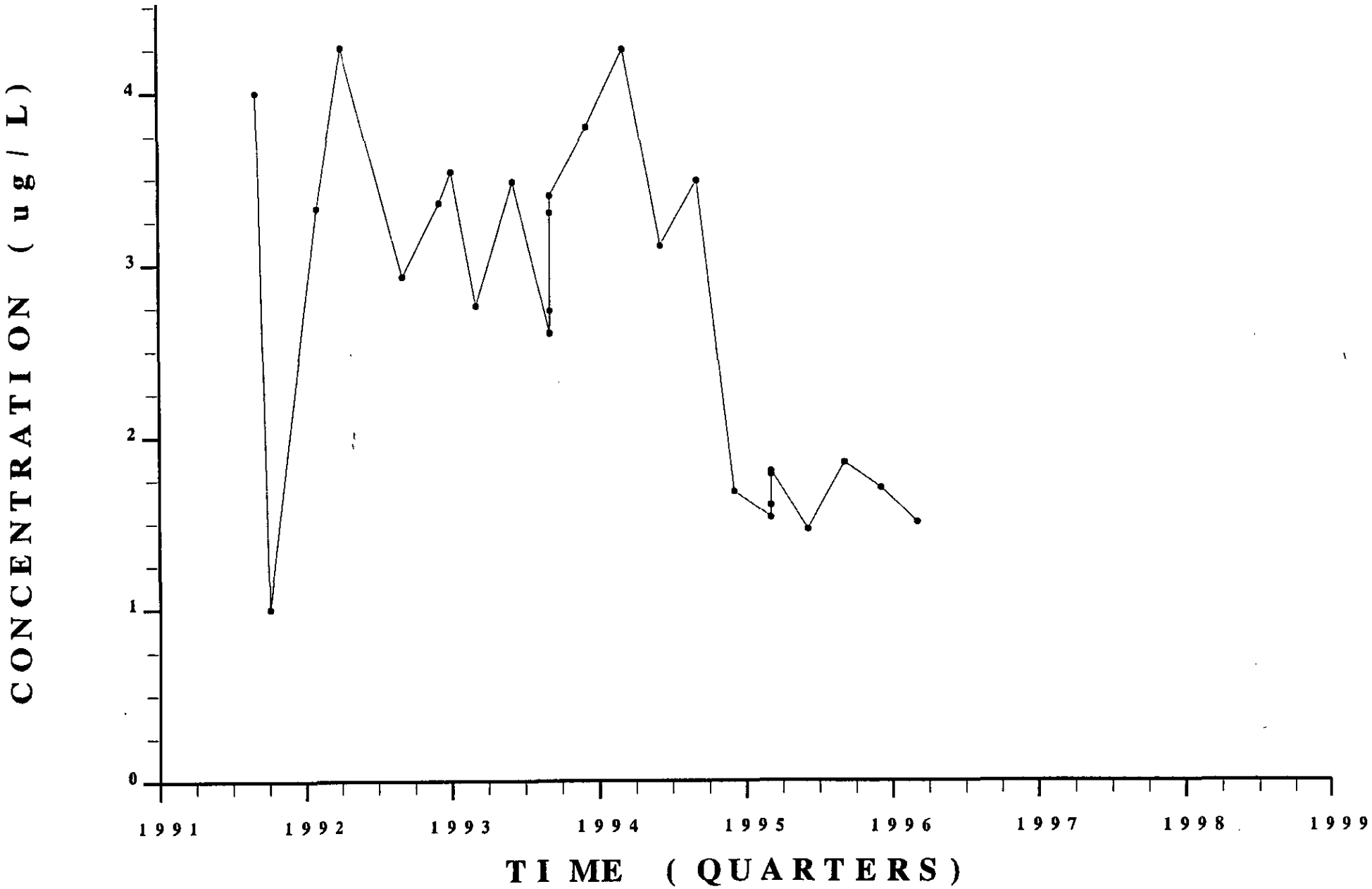
WELL LFW 48D


CONCENTRATION (ug/L)
0
1
2
3
4
5
6
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

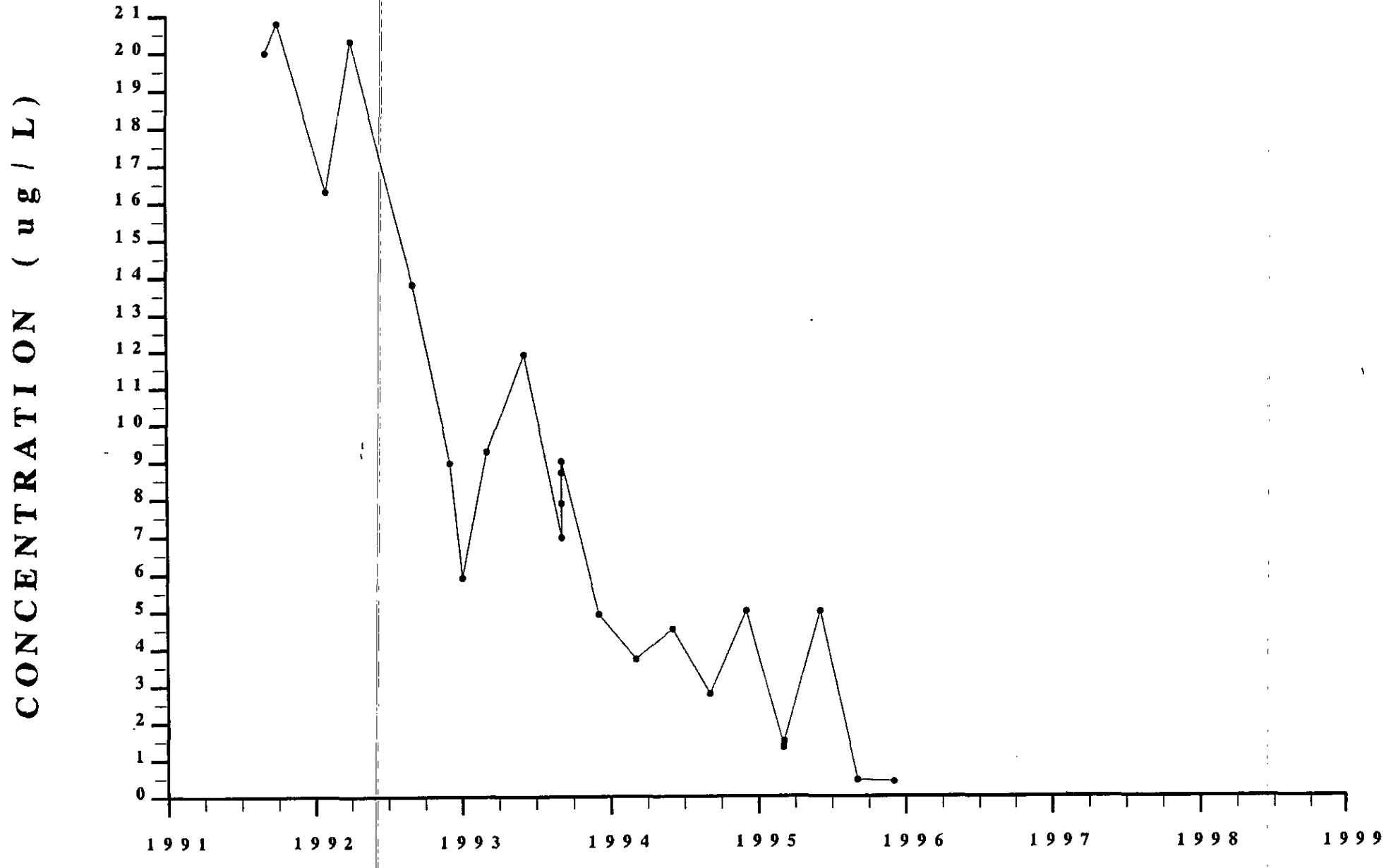
WELL LFW 48D


CONCENTRATION (ug/L)
40
39
38
37
36
35
34
33
32
31
30
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

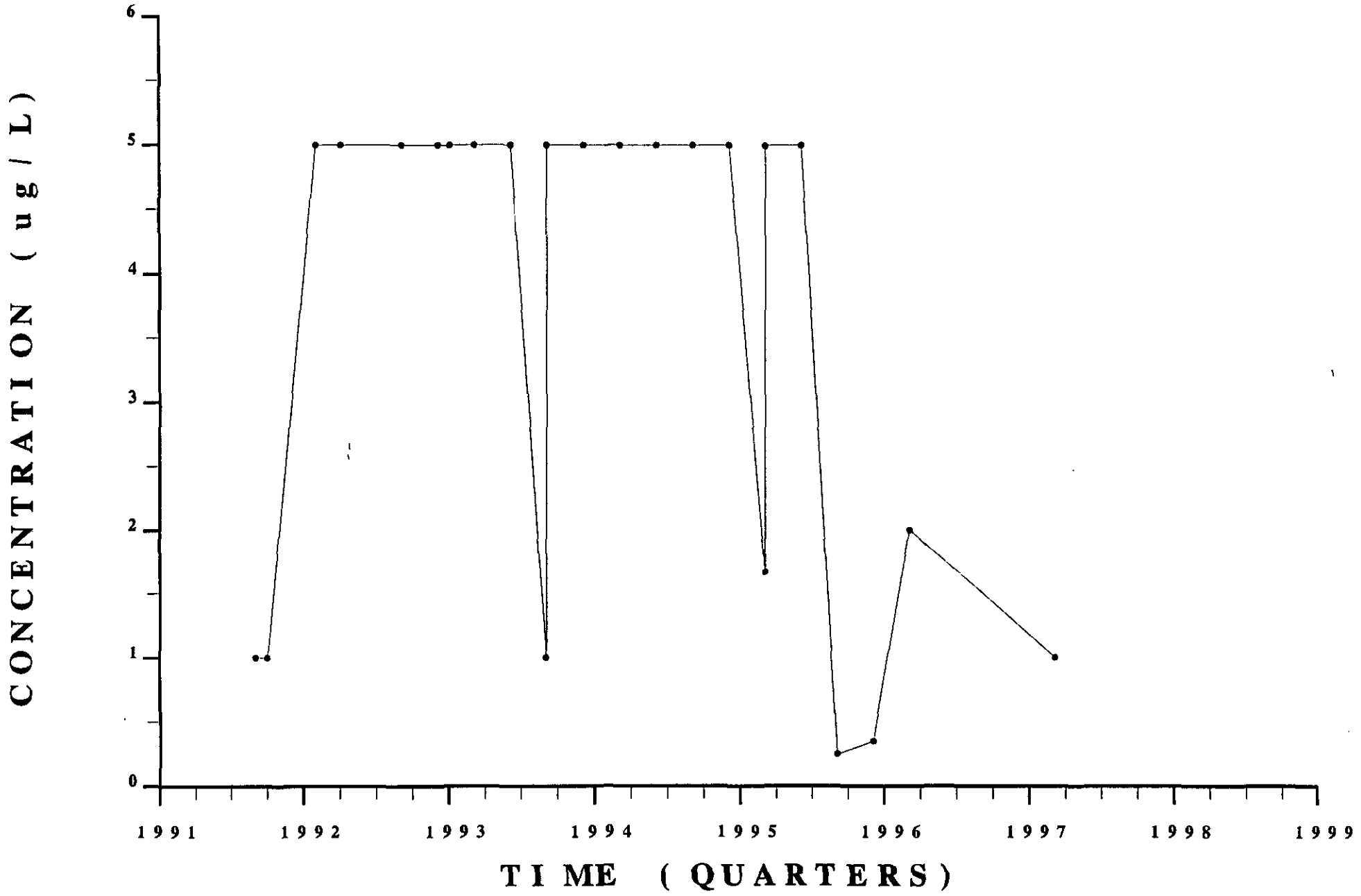
WELL LFW 48D


CONCENTRATION (ug/L)
0
1
2
3
4
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

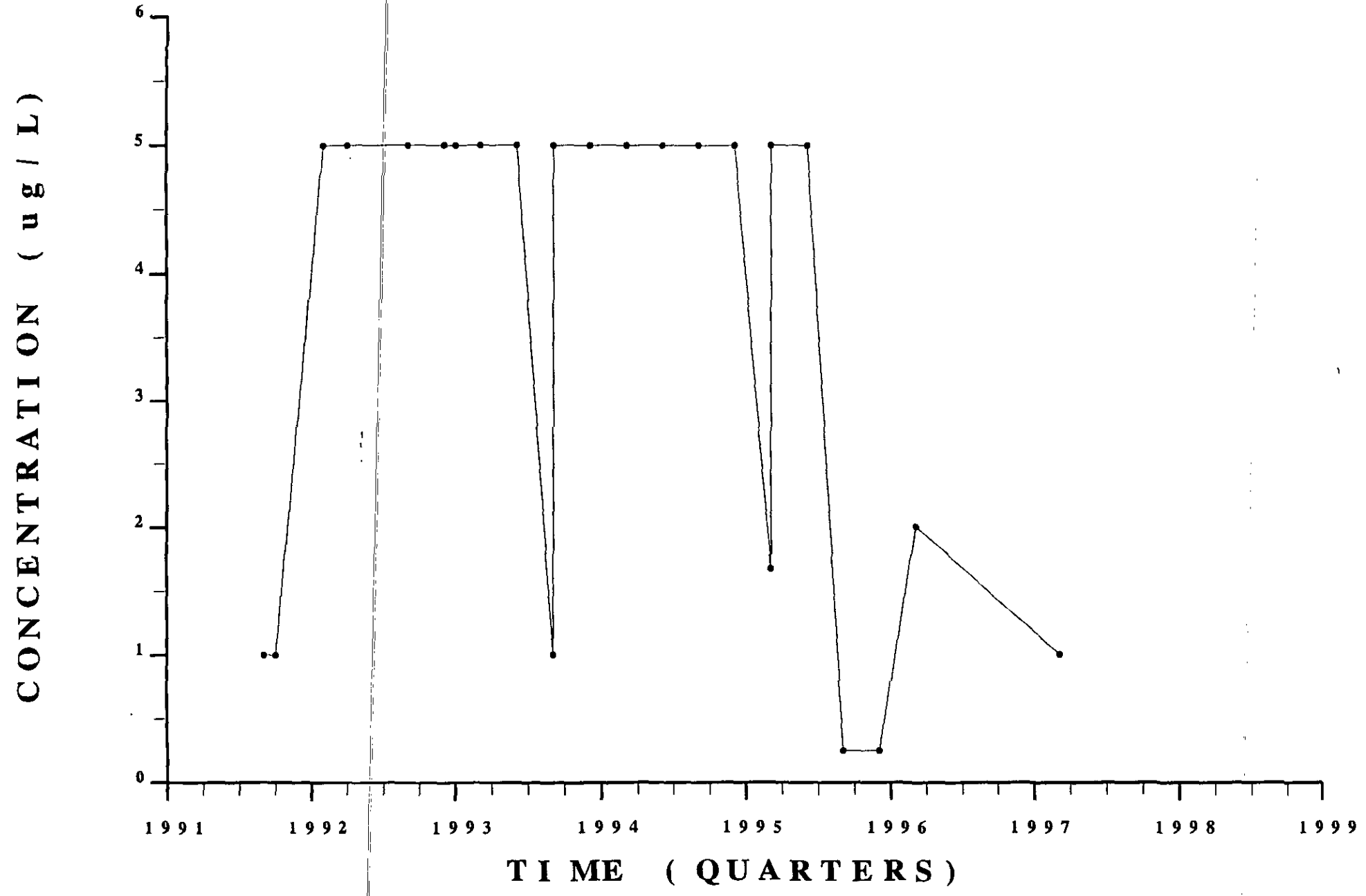
ETHYLBENZENE
WELL LFW 48D



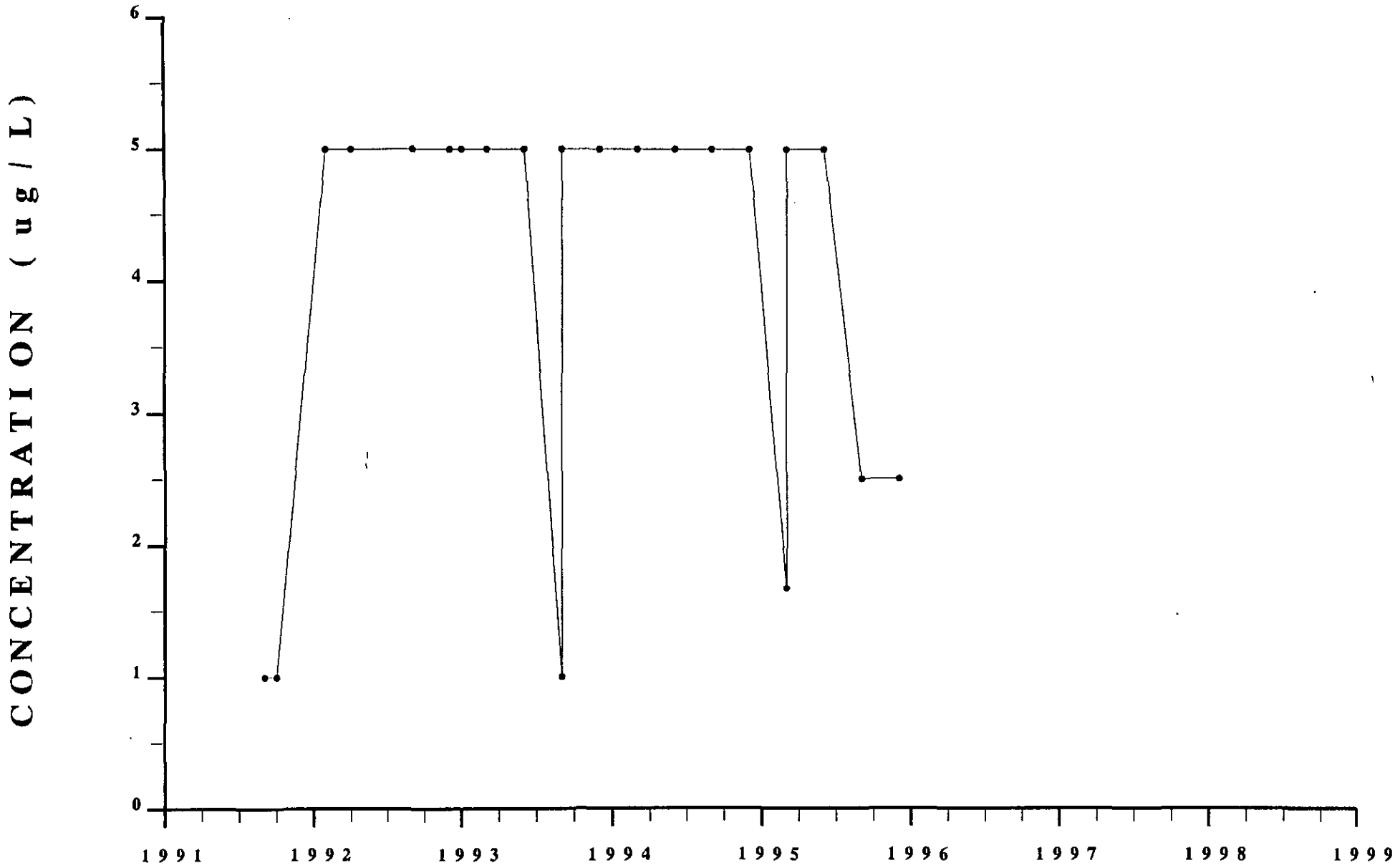
WELL LFW 48D


CONCENTRATION (ug/L)
0
1
2
3
4
5
6
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

WELL LFW 48D

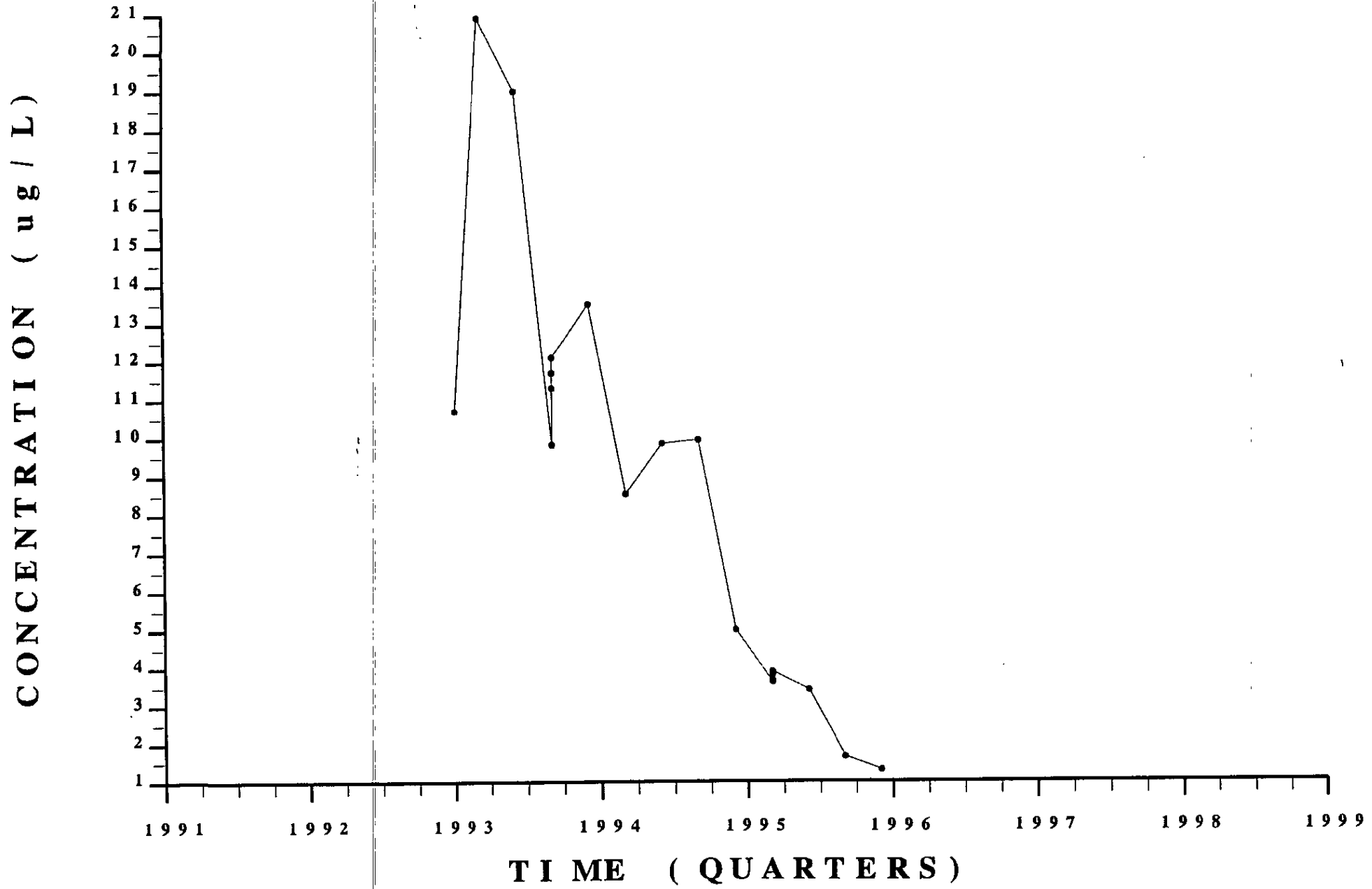

CONCENTRATION (ug/L)
0
1
2
3
4
5
6
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

WELL LFW 48D

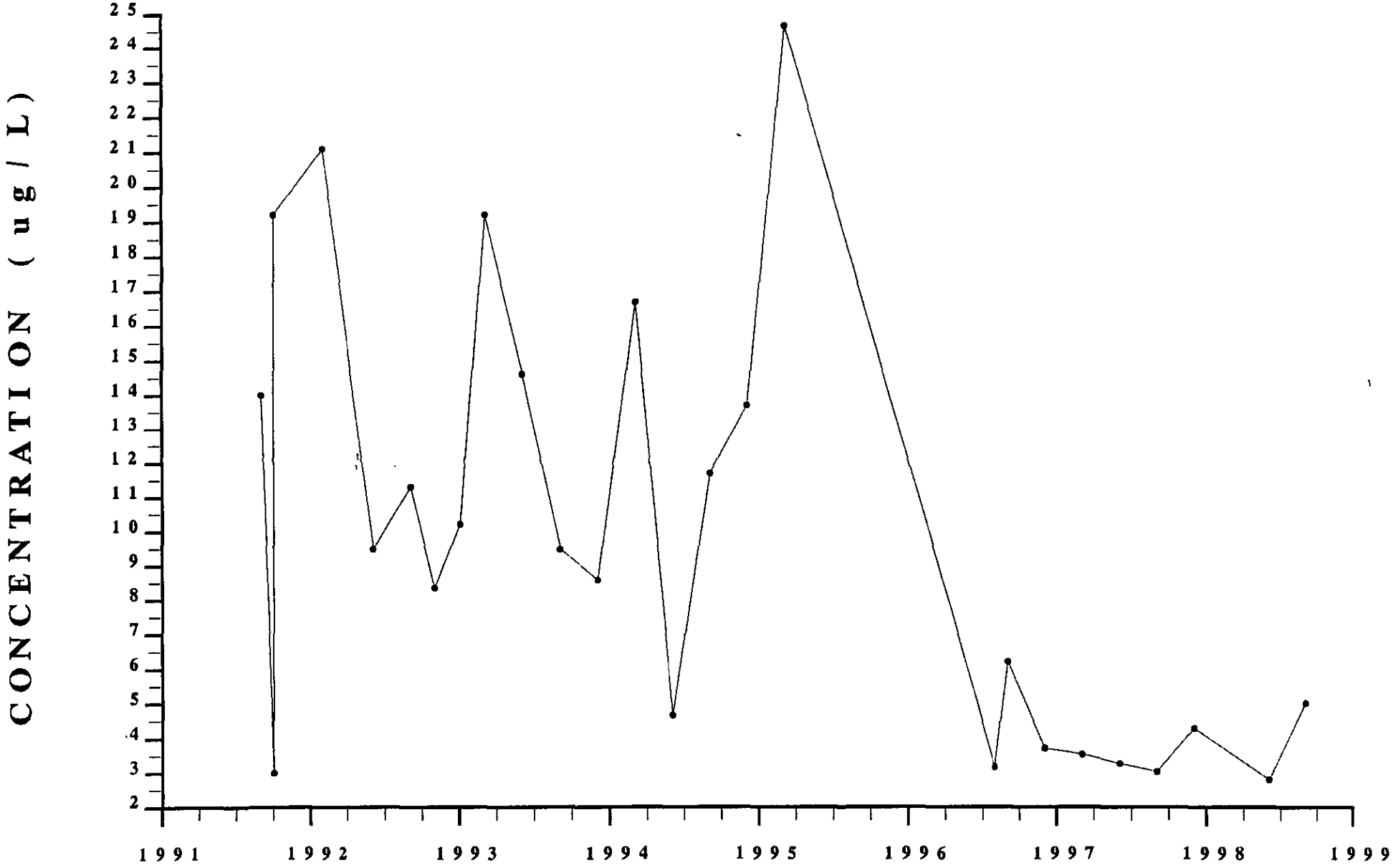

CONCENTRATION (ug/L)
0
1
2
3
4
5
6
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

XYLENES

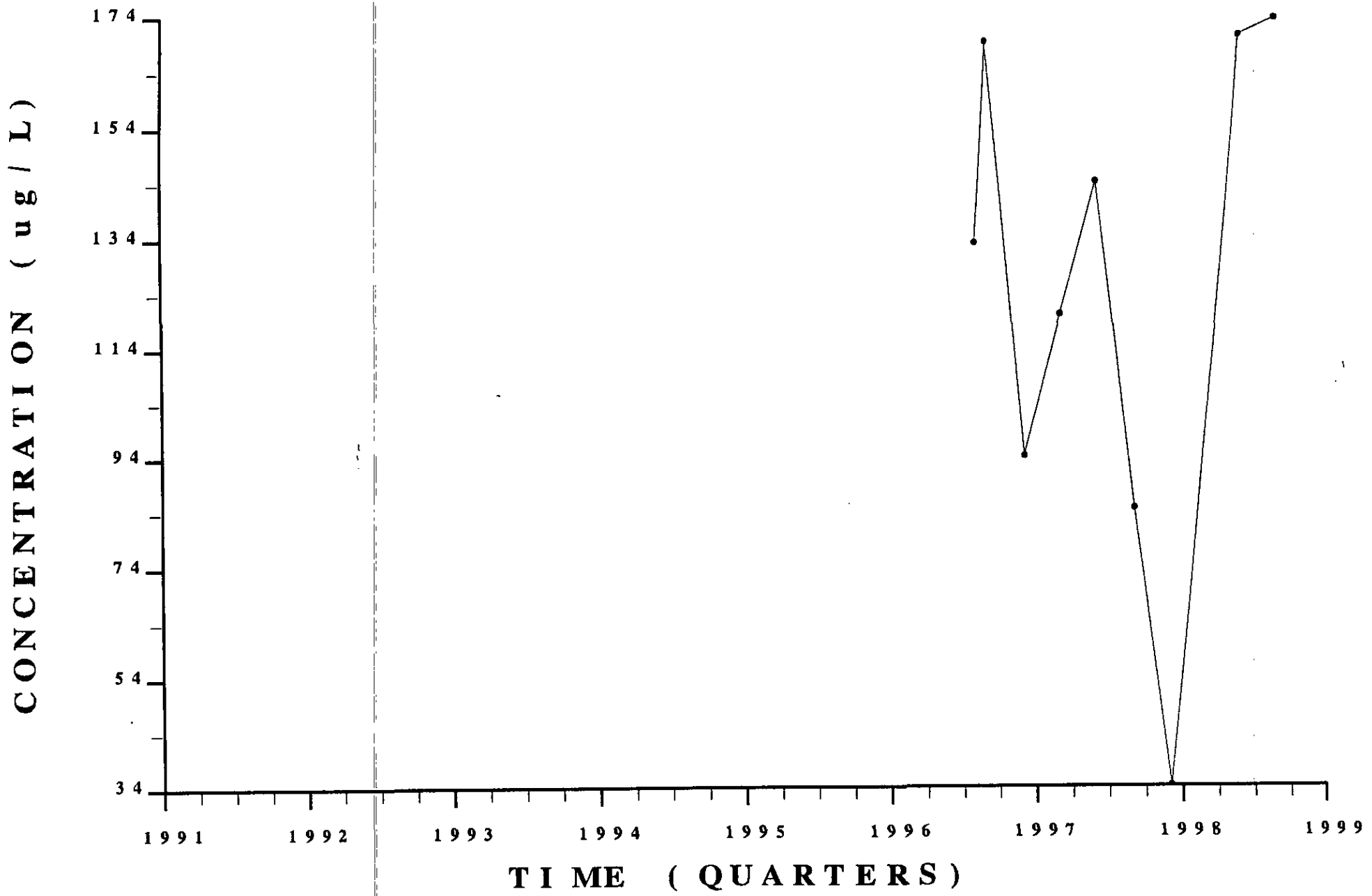
WELL LFW 48D



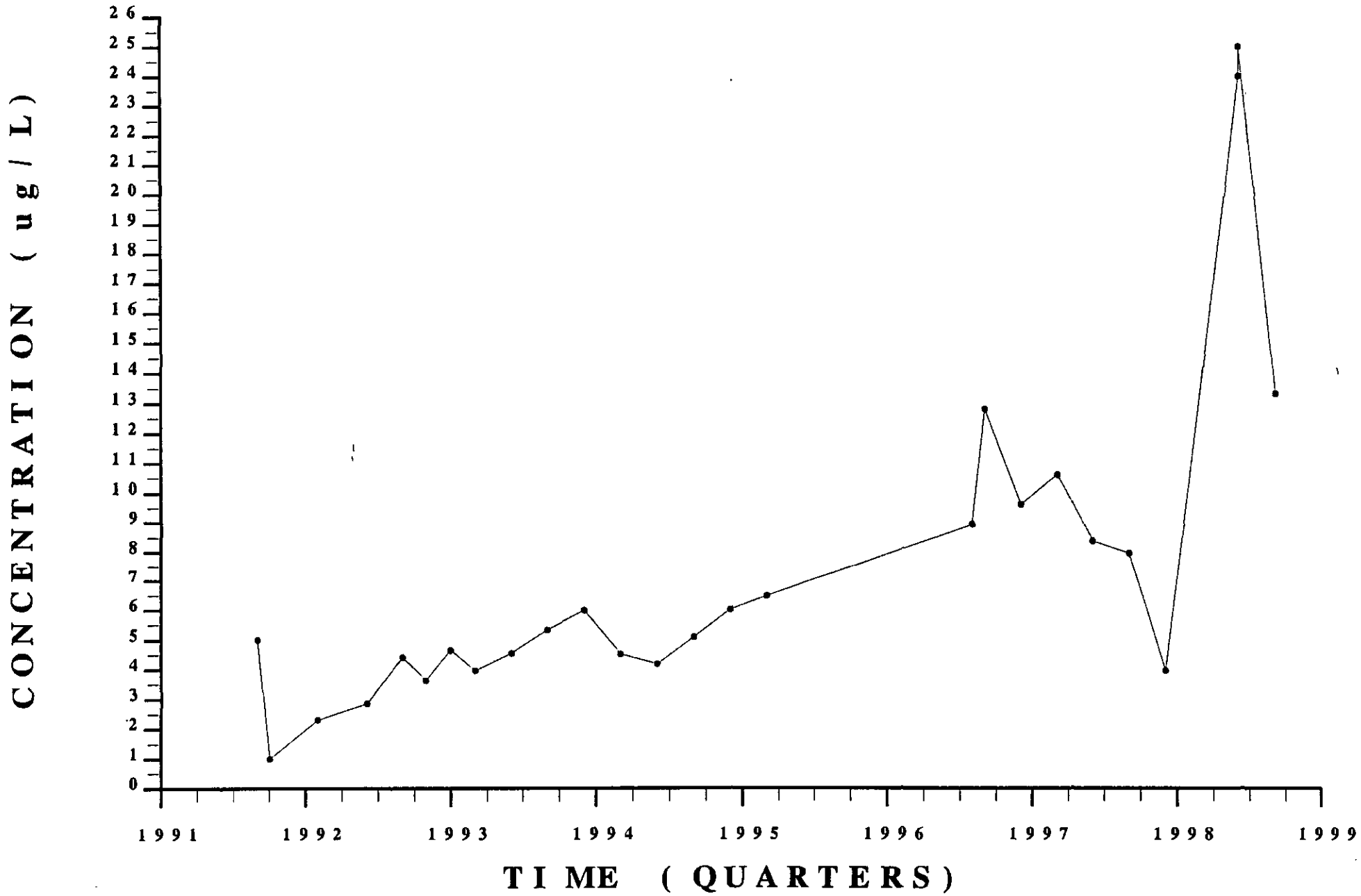
WELL LFW 58D


CONCENTRATION (ug/L)
25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

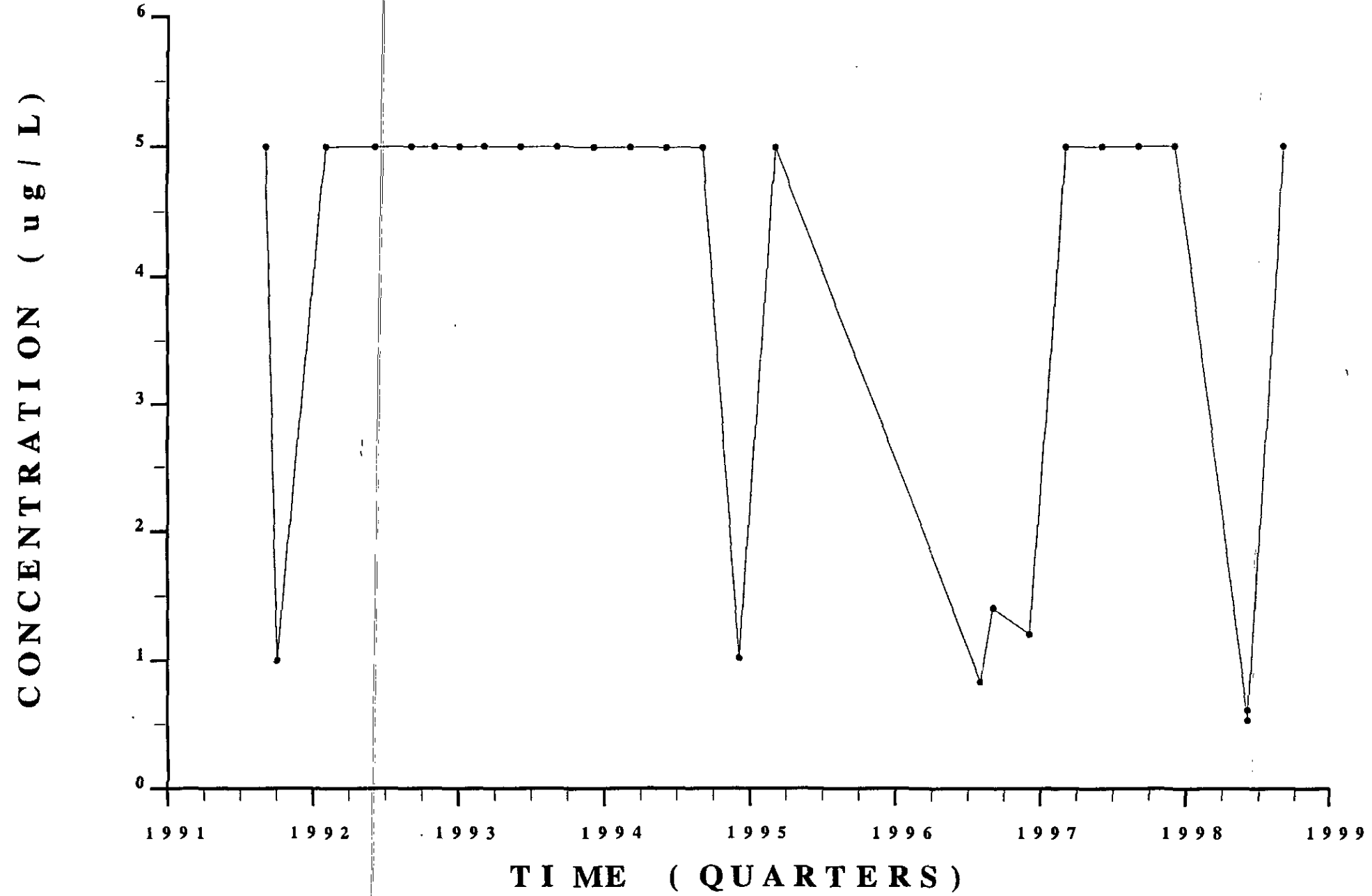
1,4-DICHLOROBENZENE
WELL LFW 58D



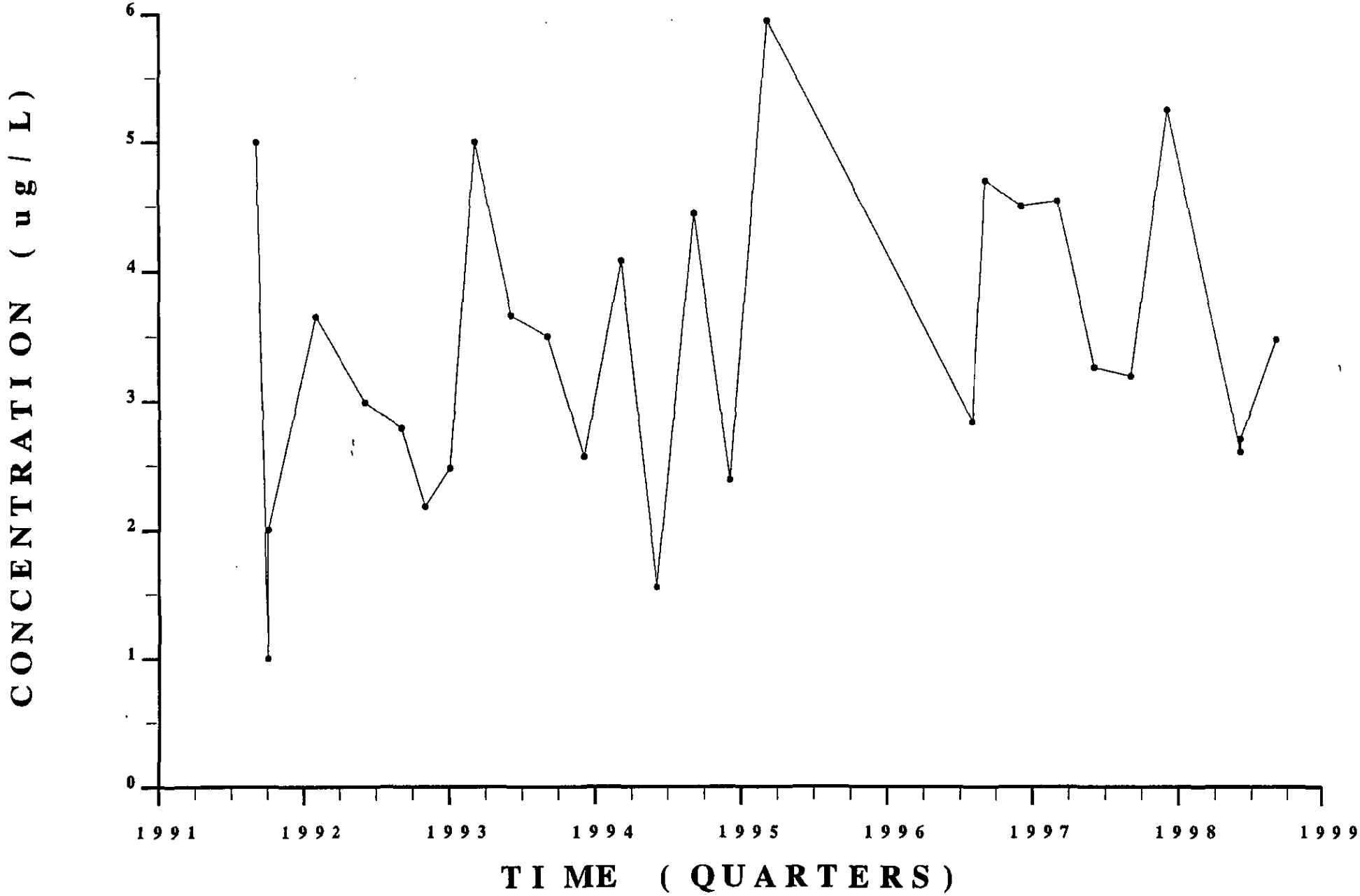
WELL LFW 58D


CONCENTRATION (ug/L)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

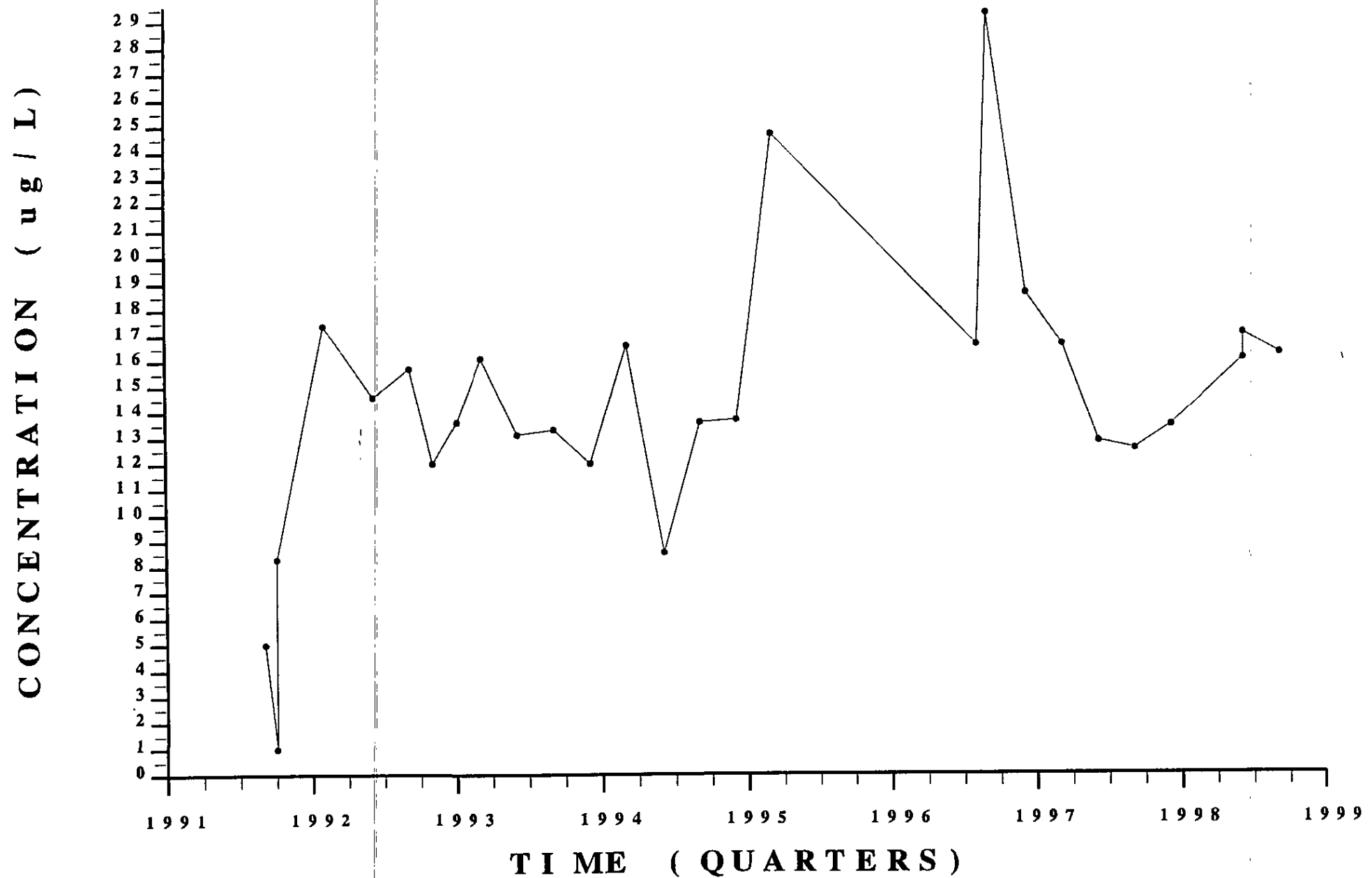
ETHYLBENZENE
WELL LFW 58D



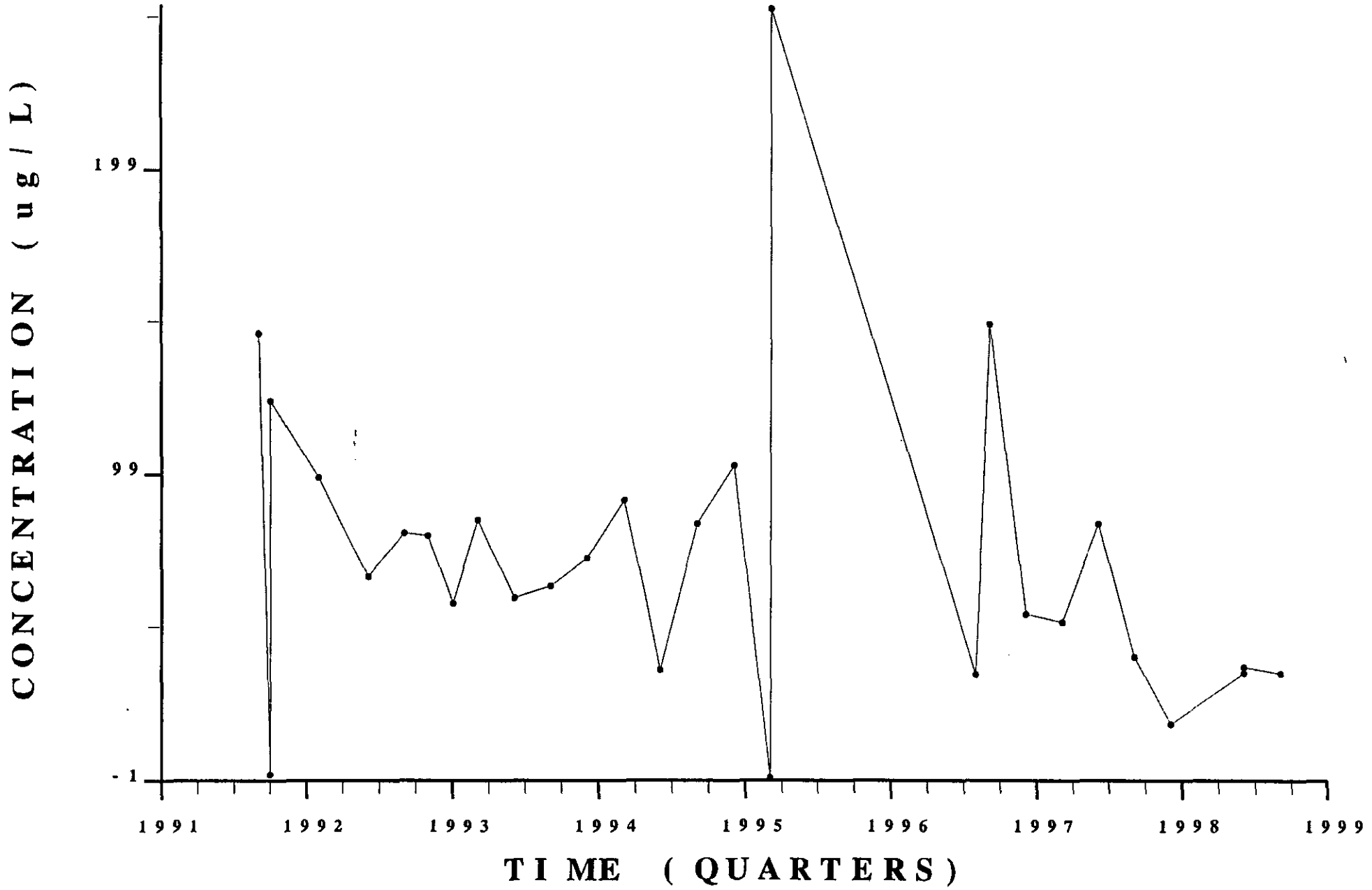
WELL LFW 58D


CONCENTRATION (ug/L)
0
1
2
3
4
5
6
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

TRICHLOROETHYLENE
WELL LFW 58D

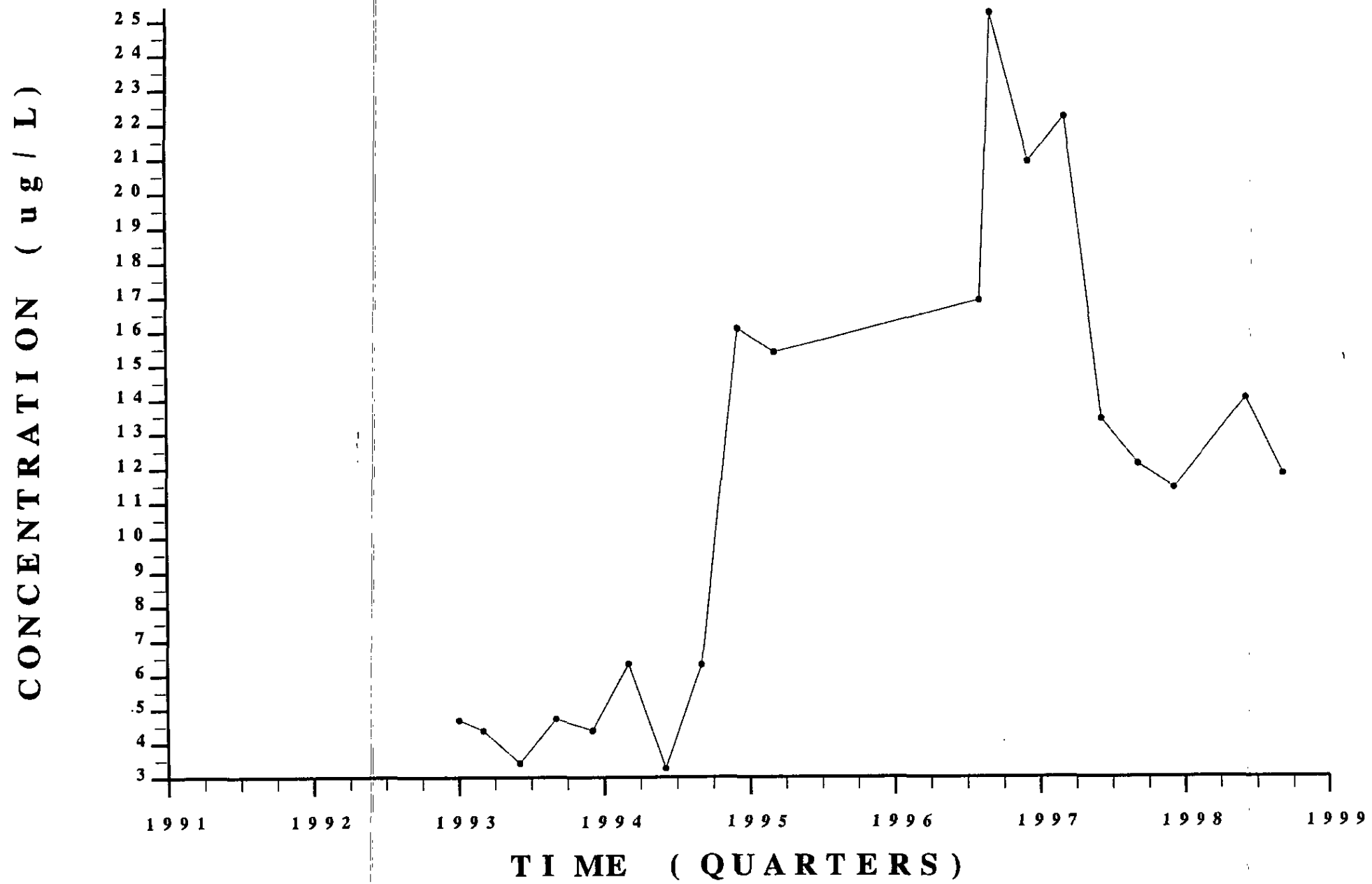


WELL LFW 58D

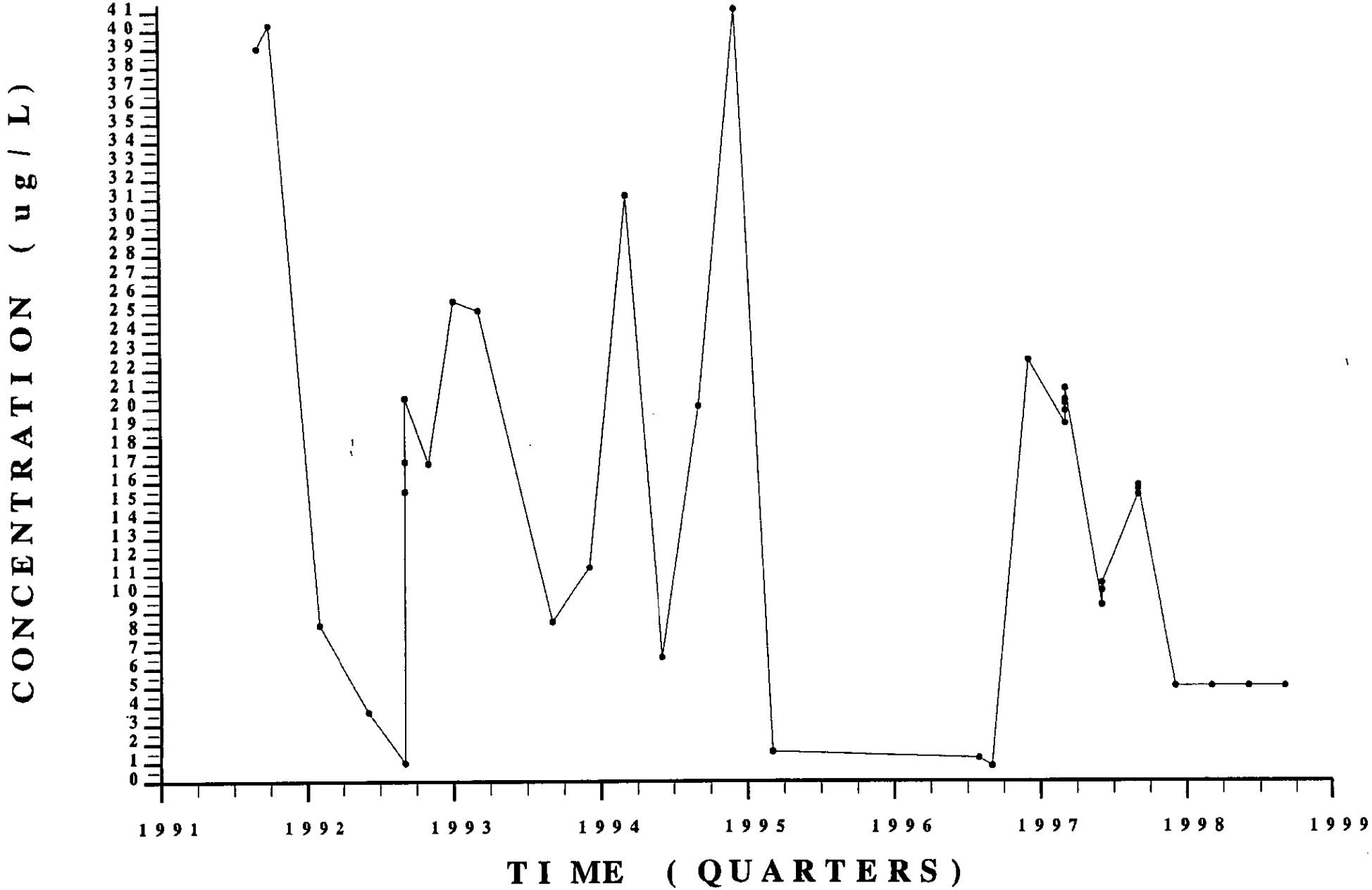

CONCENTRATION (ug/L)
199
99
-1
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

XYLENES

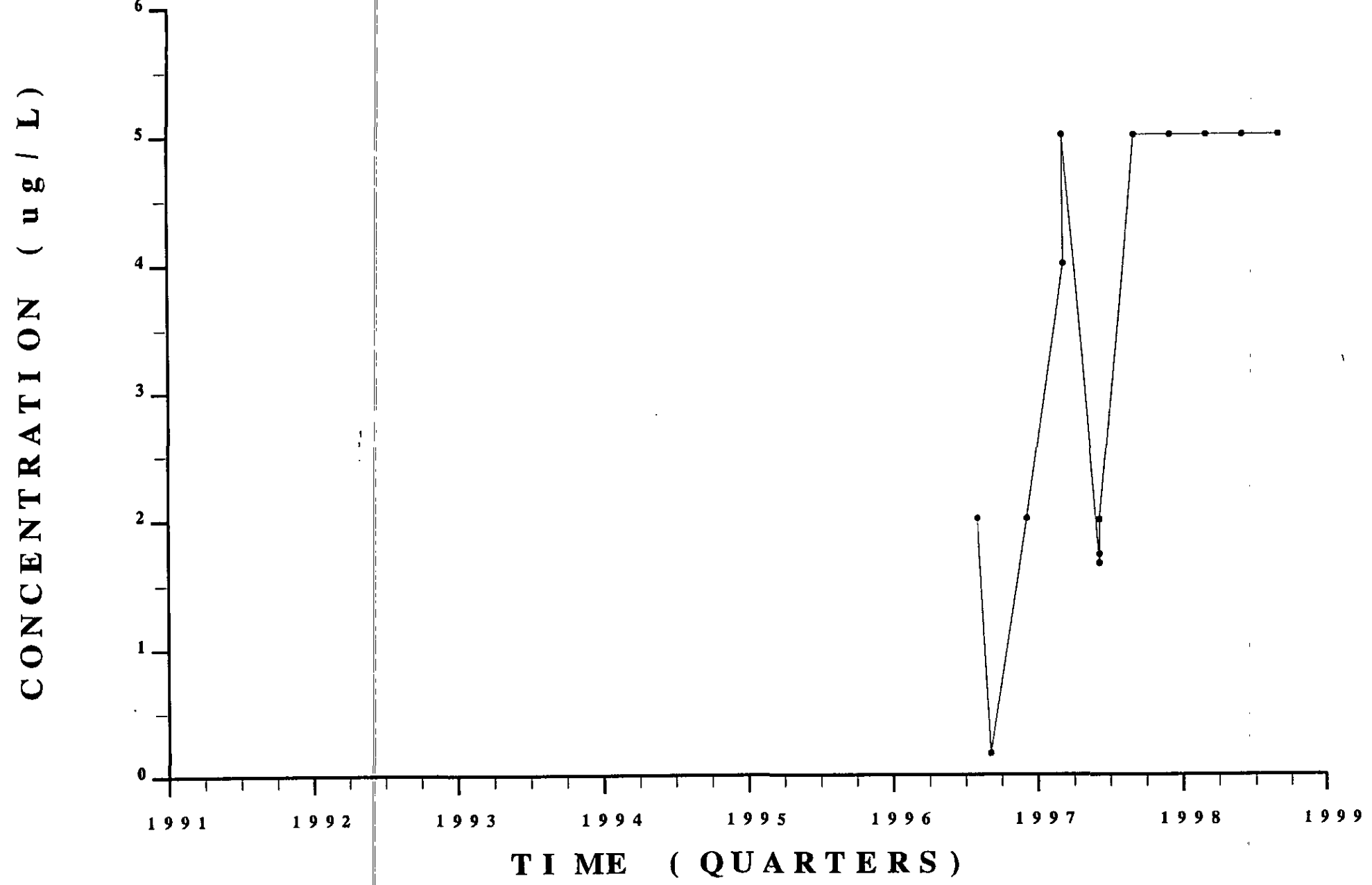
WELL LFW 58D



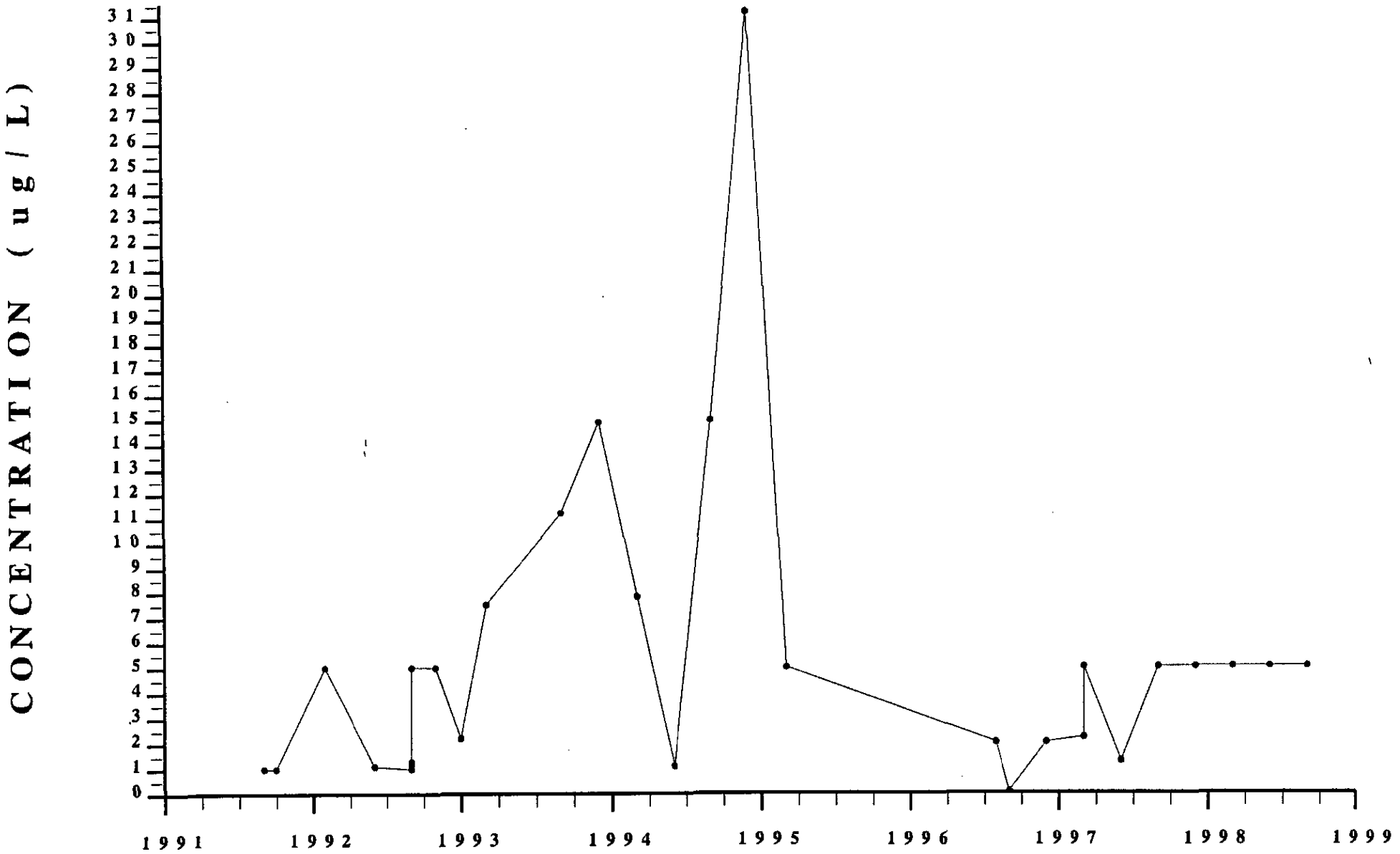
WELL LFW 59D


CONCENTRATION (ug/L)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

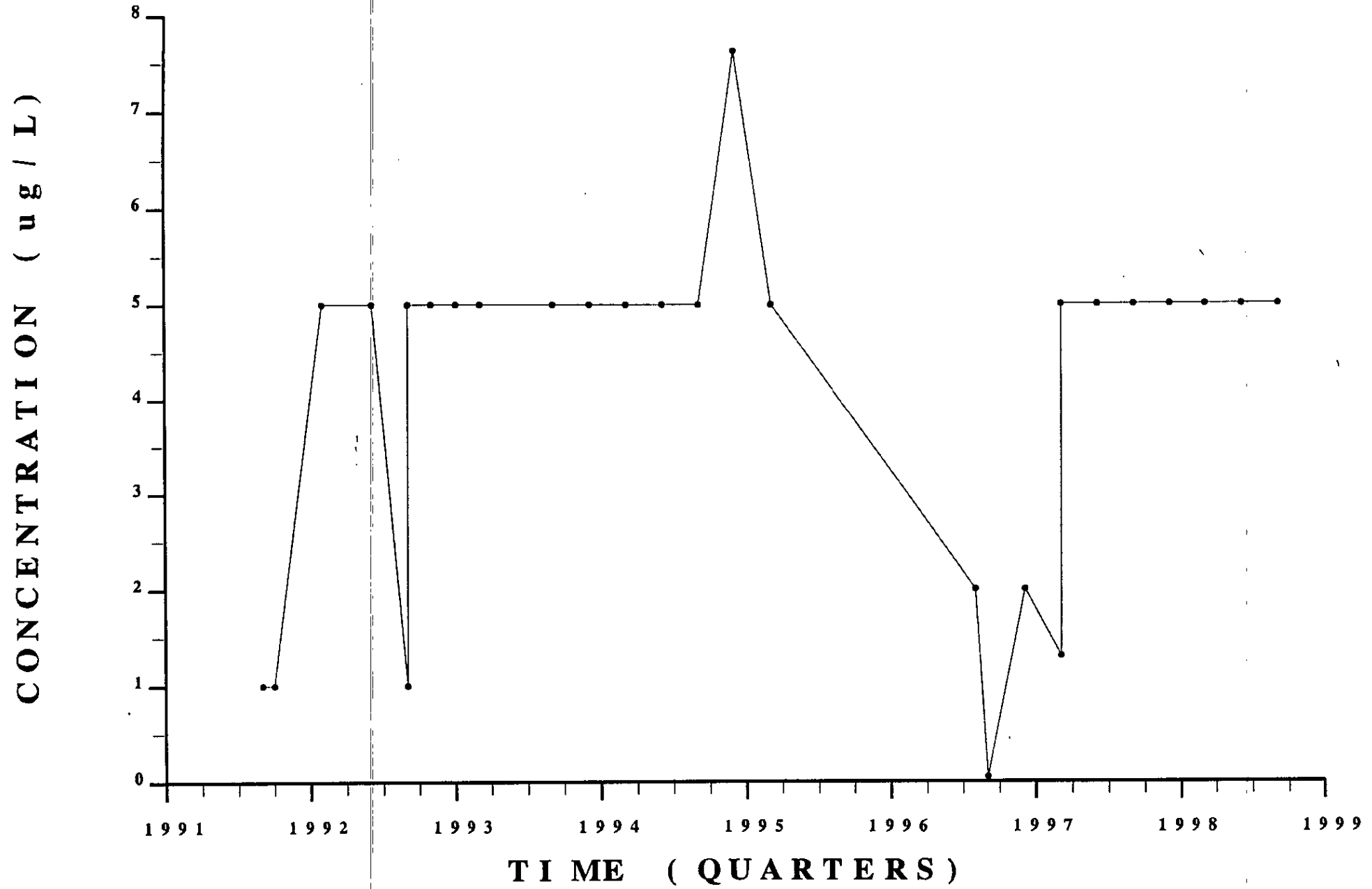
WELL LFW 59D


CONCENTRATION (ug/L)
0
1
2
3
4
5
6
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

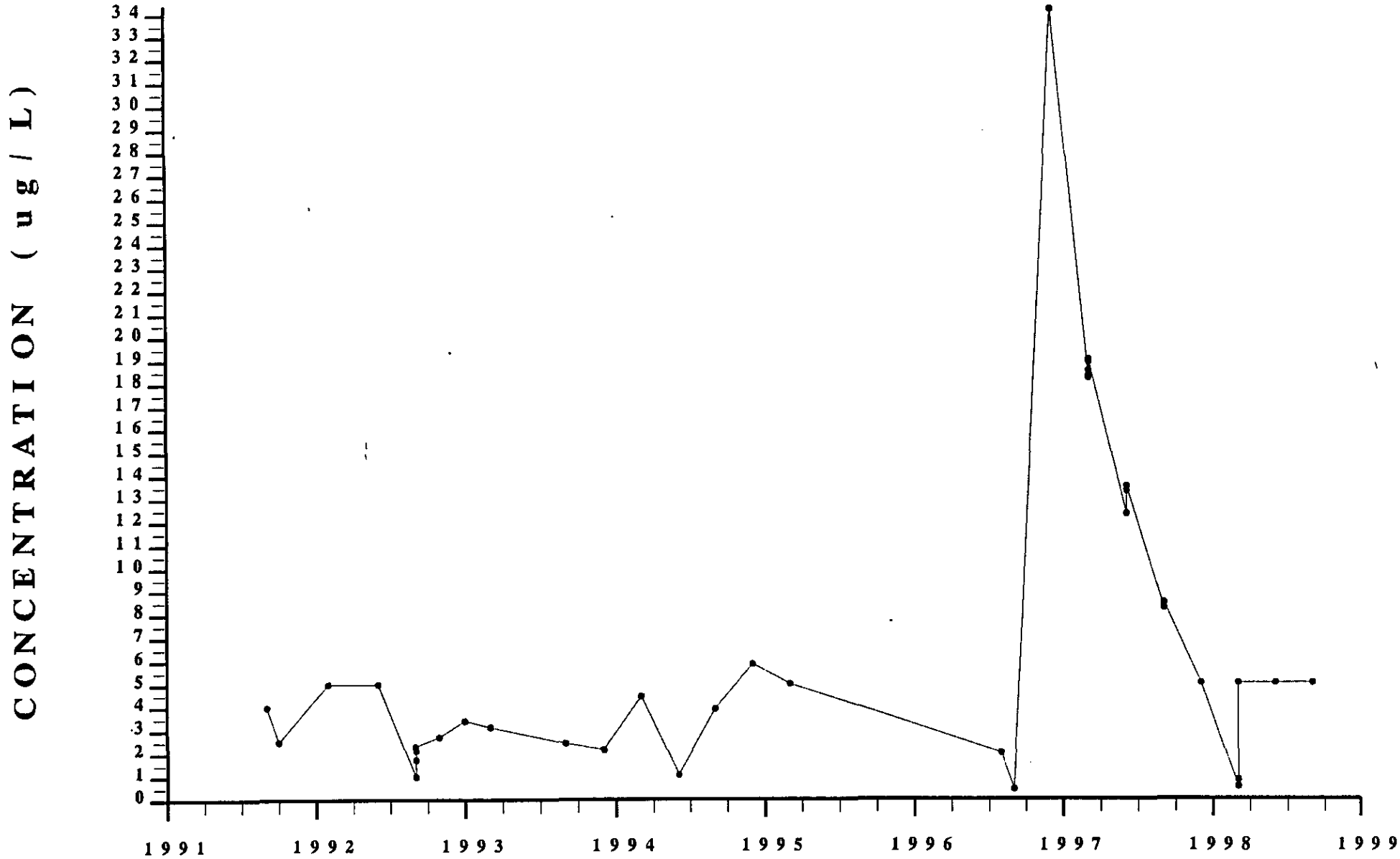
WELL LFW 59D


CONCENTRATION (ug/L)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

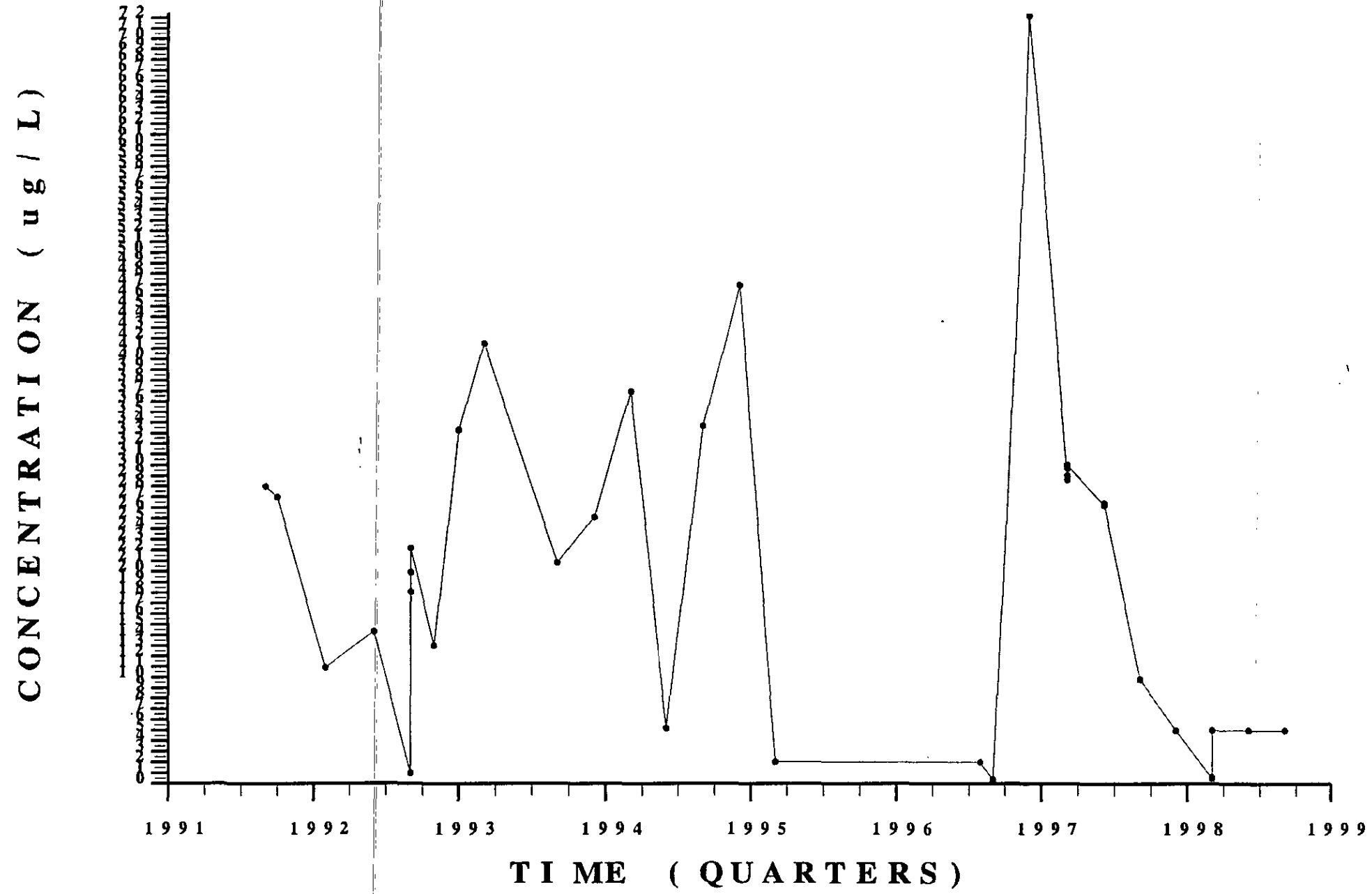
ETHYLBENZENE
WELL LFW 59D



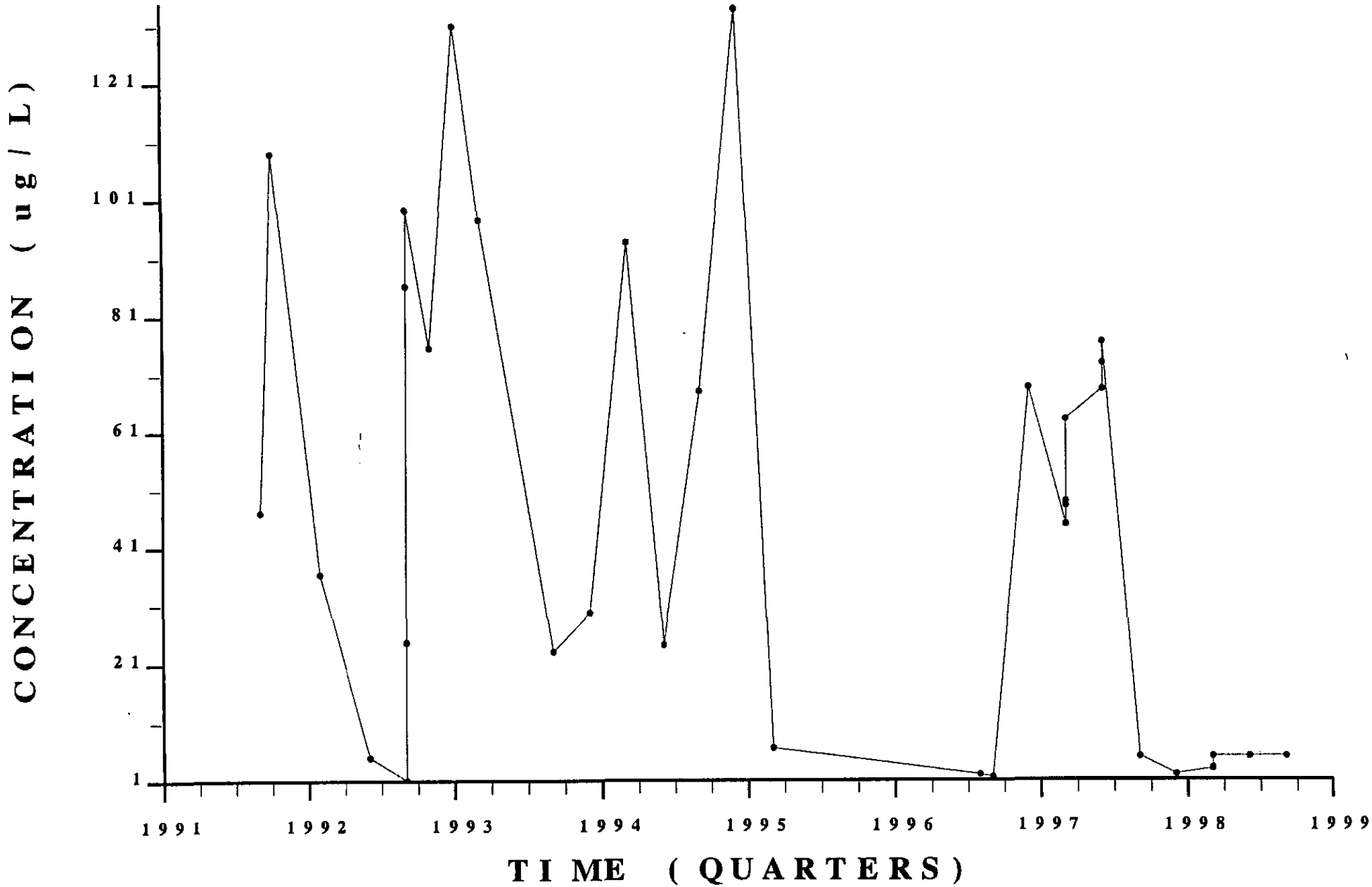
WELL LFW 59D


CONCENTRATION (ug/L)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

TRICHLOROETHYLENE
WELL LFW 59D

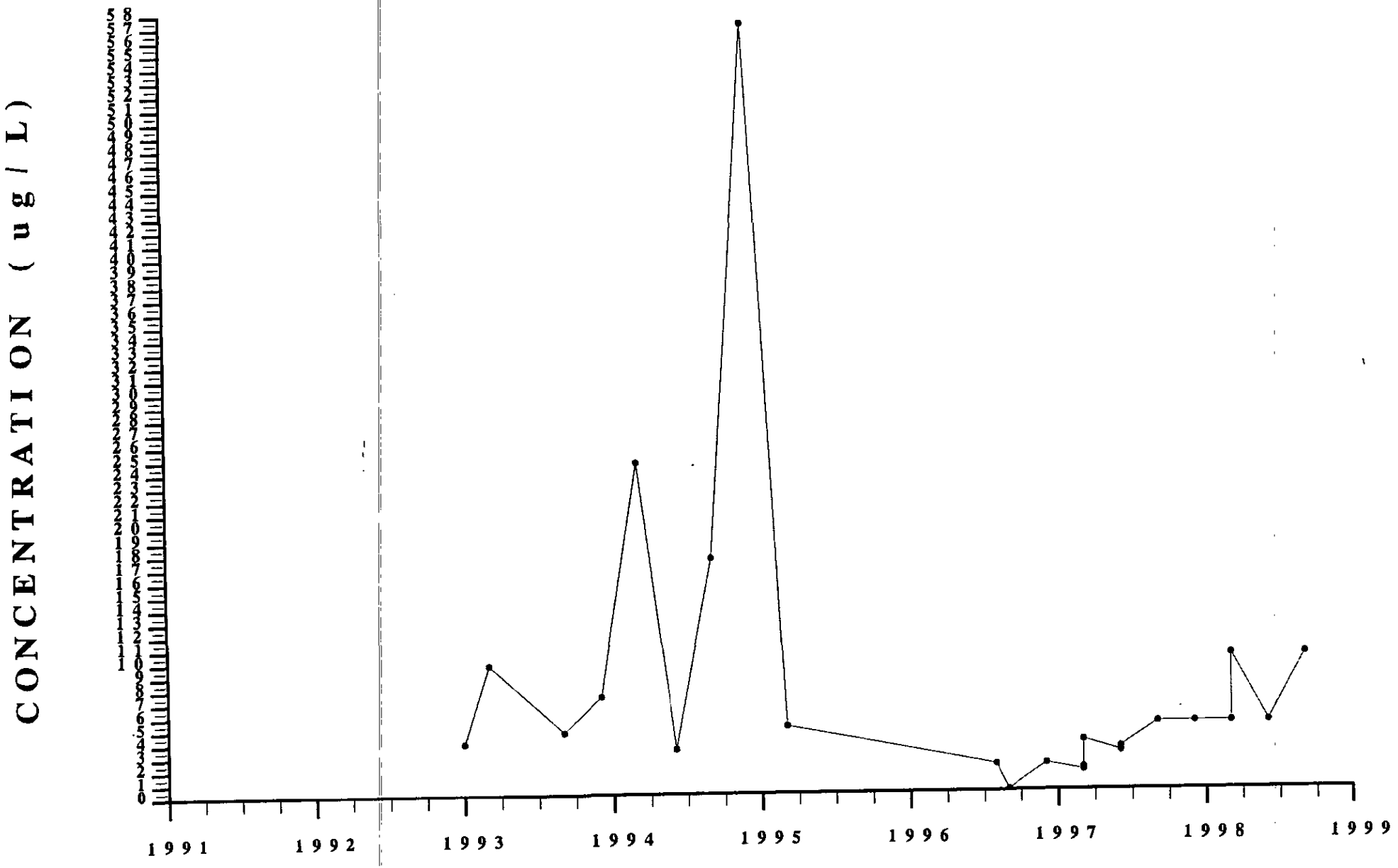


WELL LFW 59D

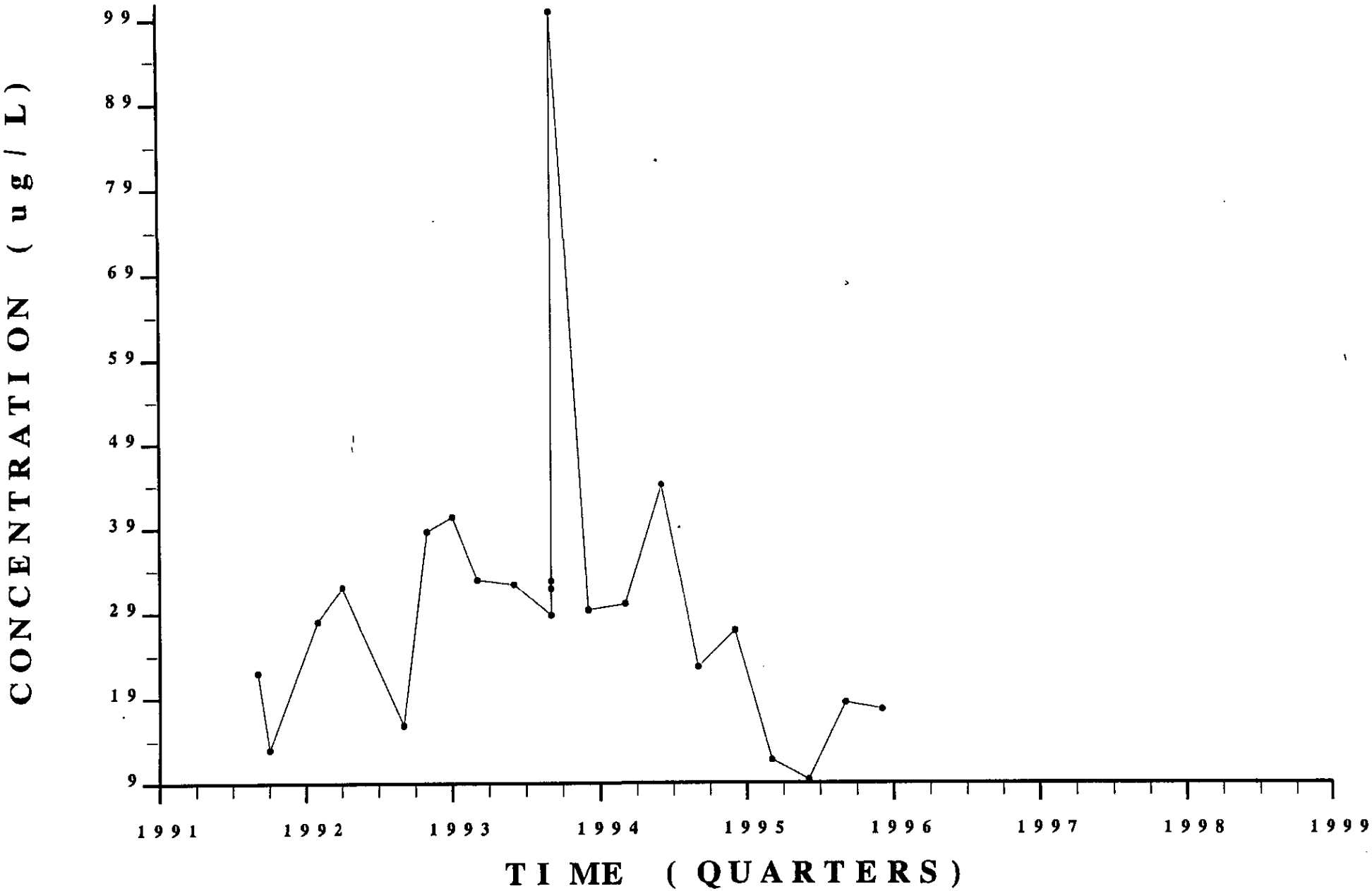

CONCENTRATION (ug/L)
121
101
81
61
41
21
1
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

XYLENES

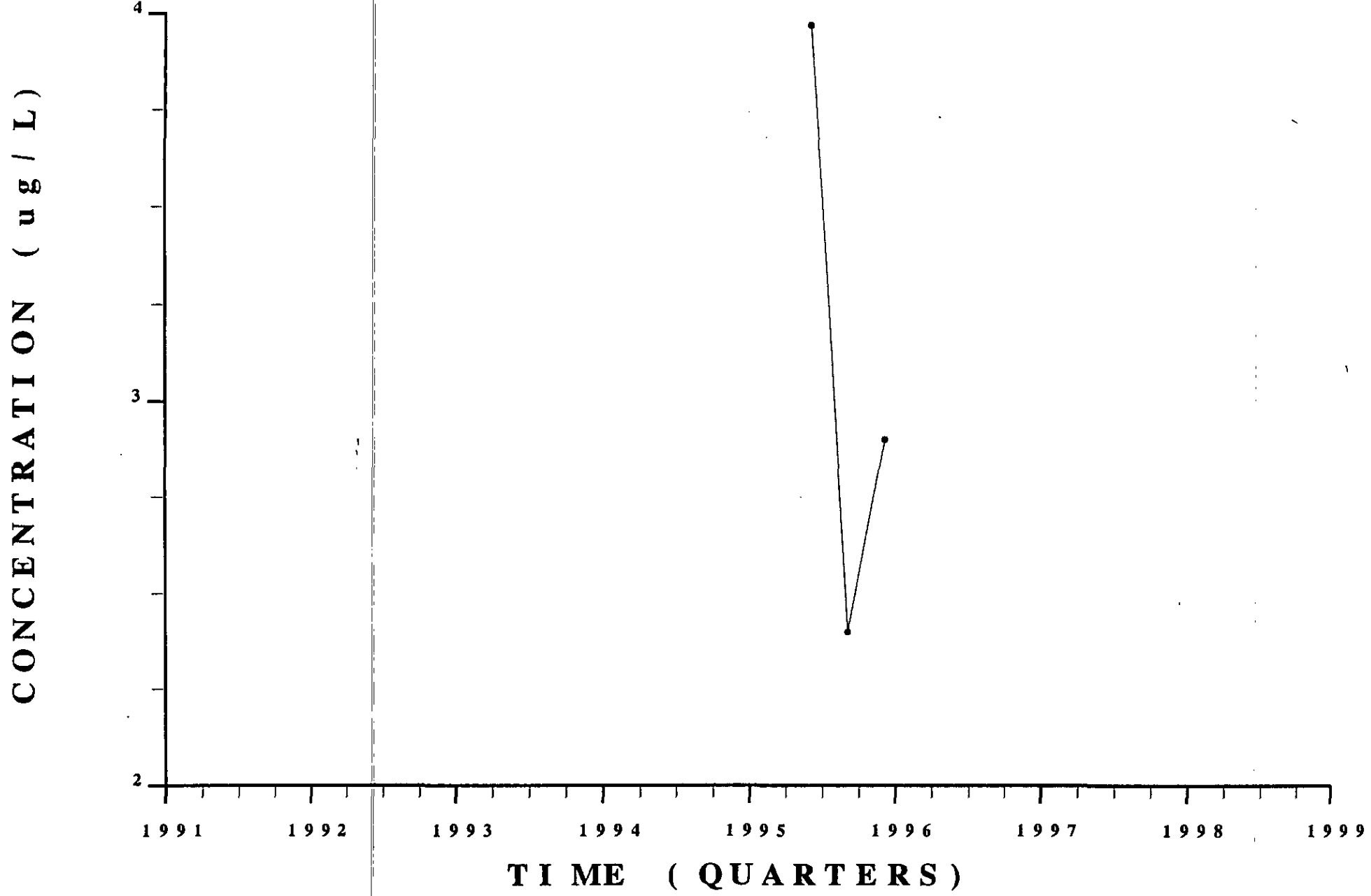
WELL LFW 59D



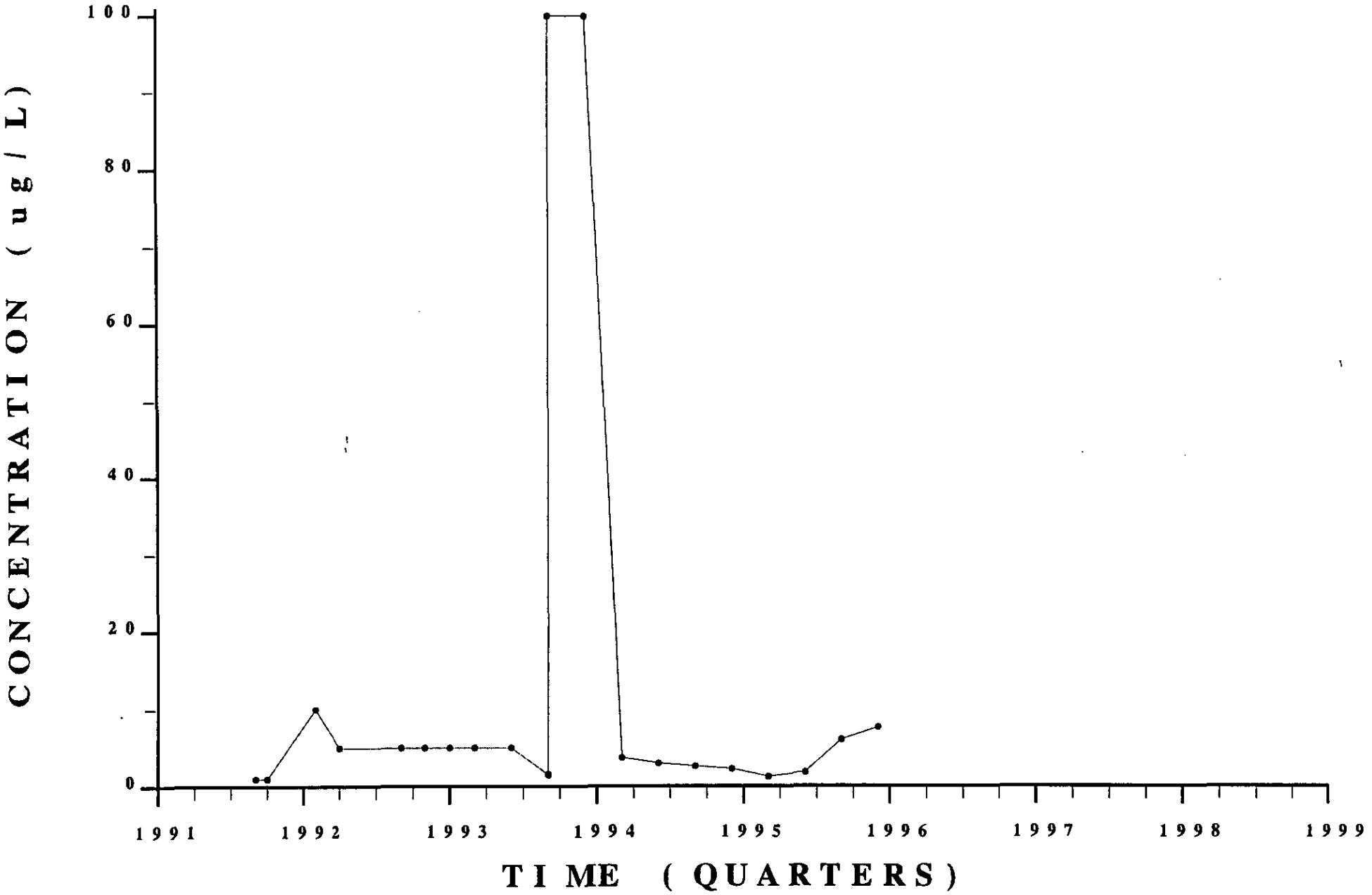
WELL LFW 61C


CONCENTRATION (ug/L)
99
89
79
69
59
49
39
29
19
9
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

WELL LFW 61C

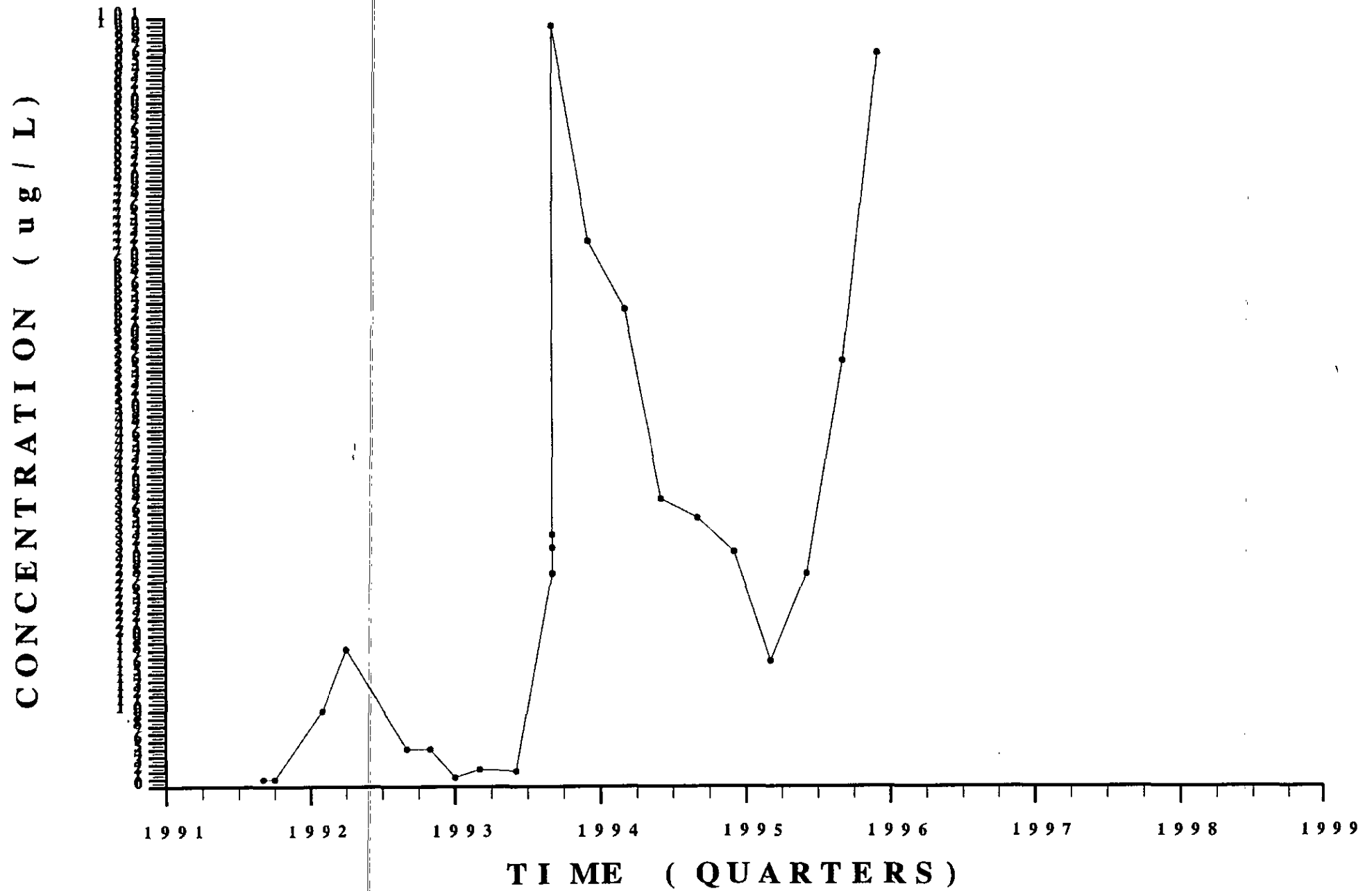

CONCENTRATION (ug/L)
4
3
2
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

WELL LFW 61C

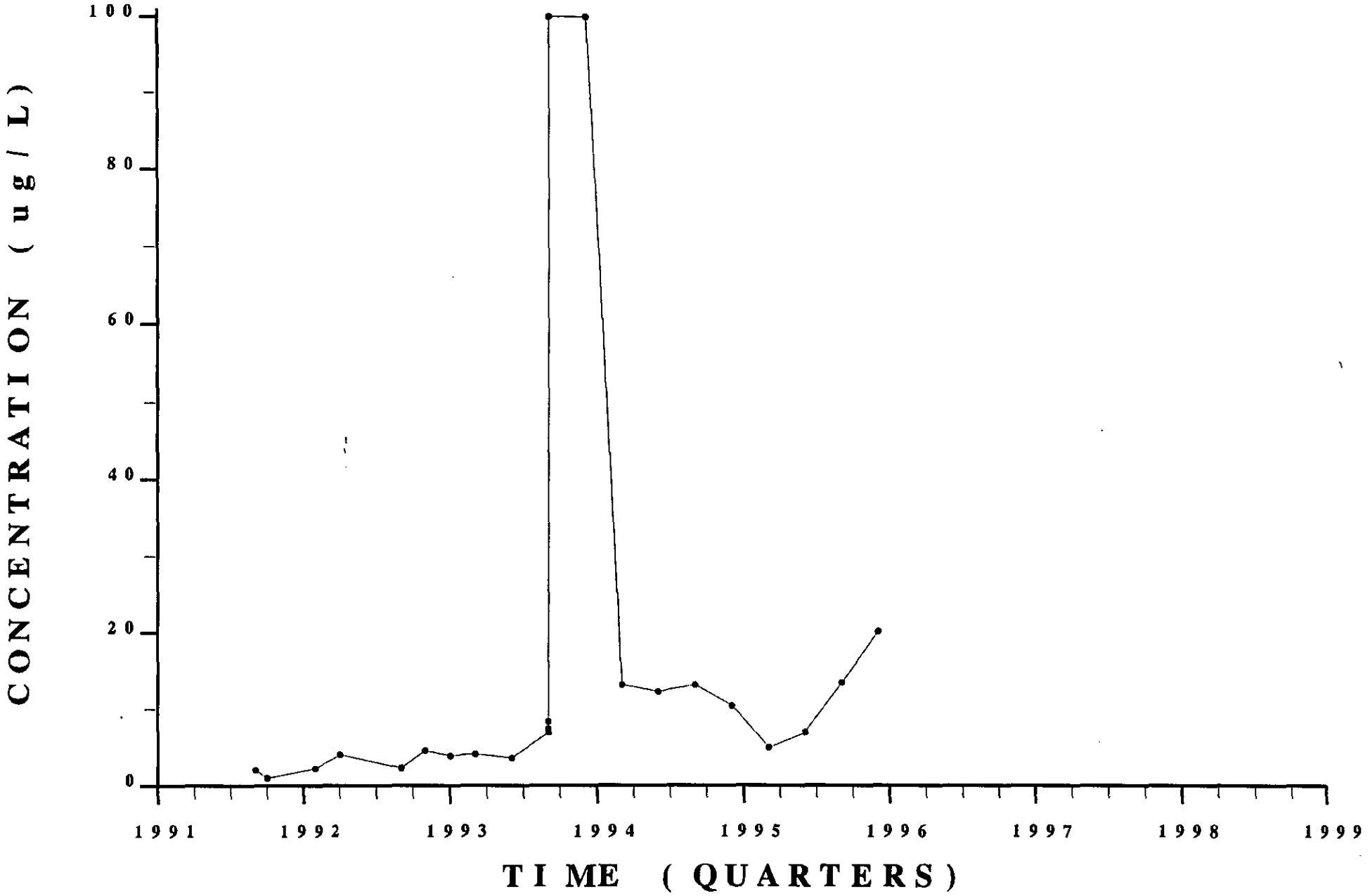

CONCENTRATION (ug/L)
100
80
60
40
20
0
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

ETHYLBENZENE

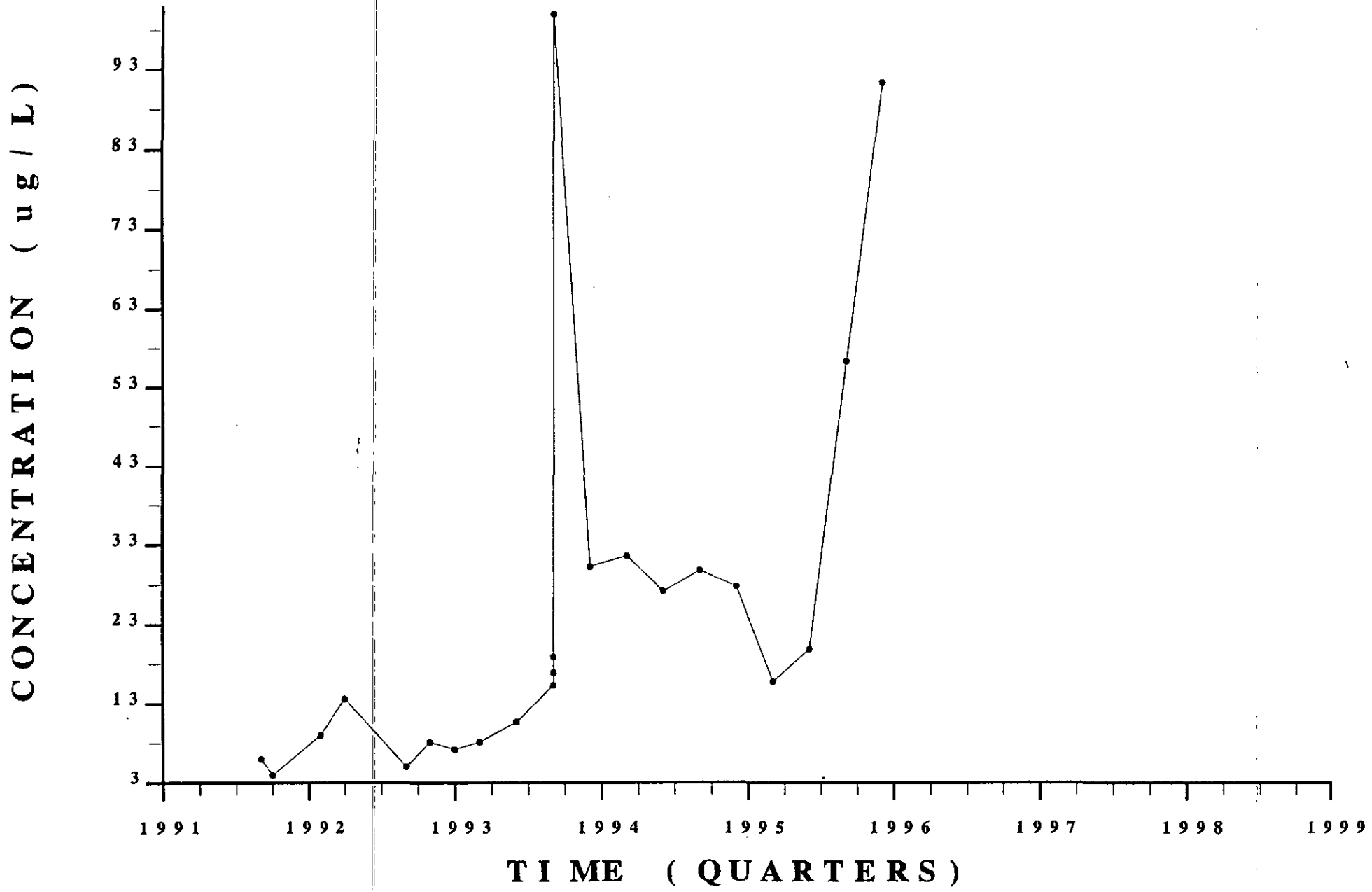
WELL LFW 61C



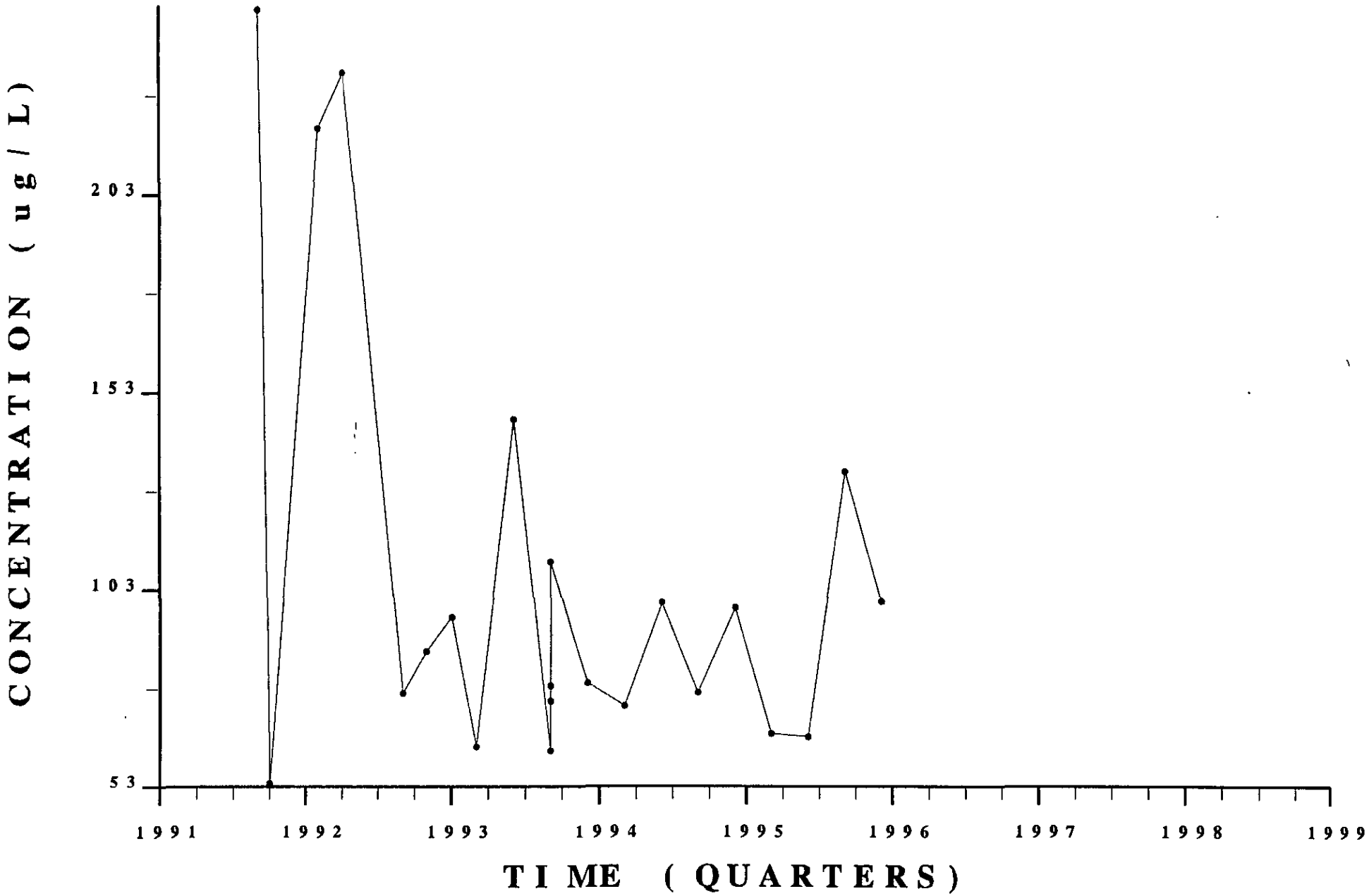
WELL LFW 61C


CONCENTRATION (ug/L)
100
80
60
40
20
0
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

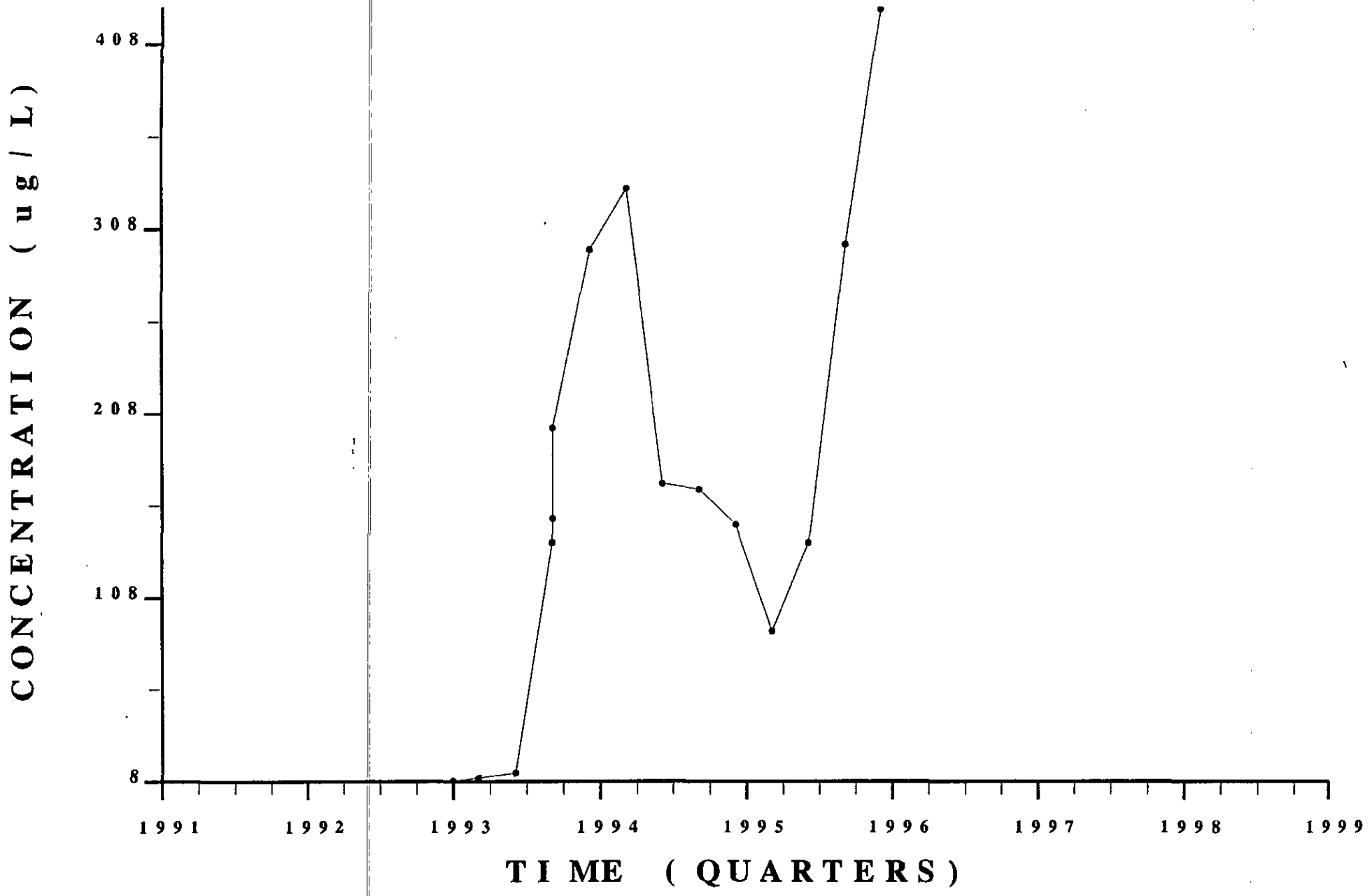
TRICHLOROETHYLENE
WELL LFW 61C



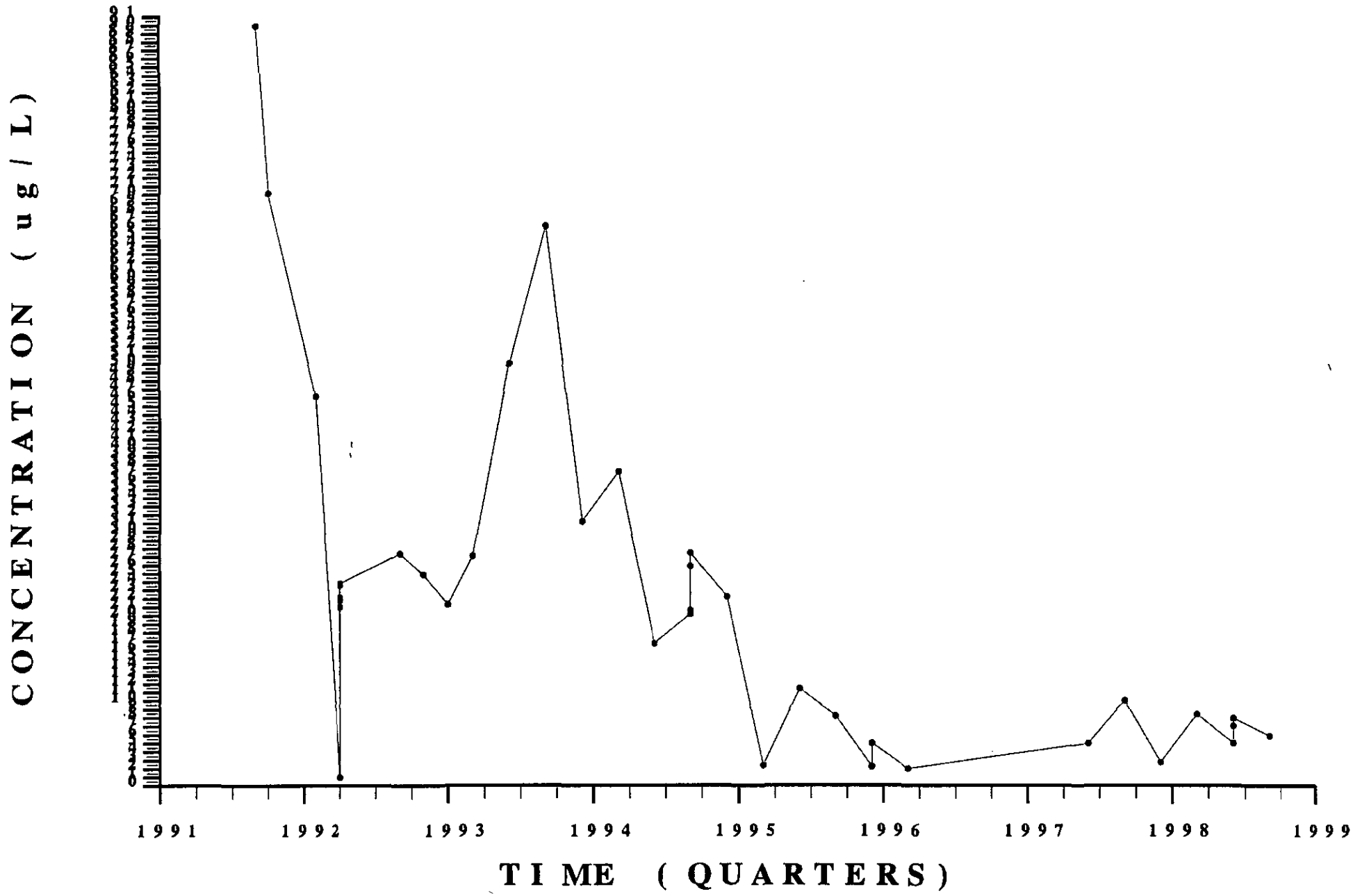
WELL LFW 61C


CONCENTRATION (ug/L)
203
153
103
53
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

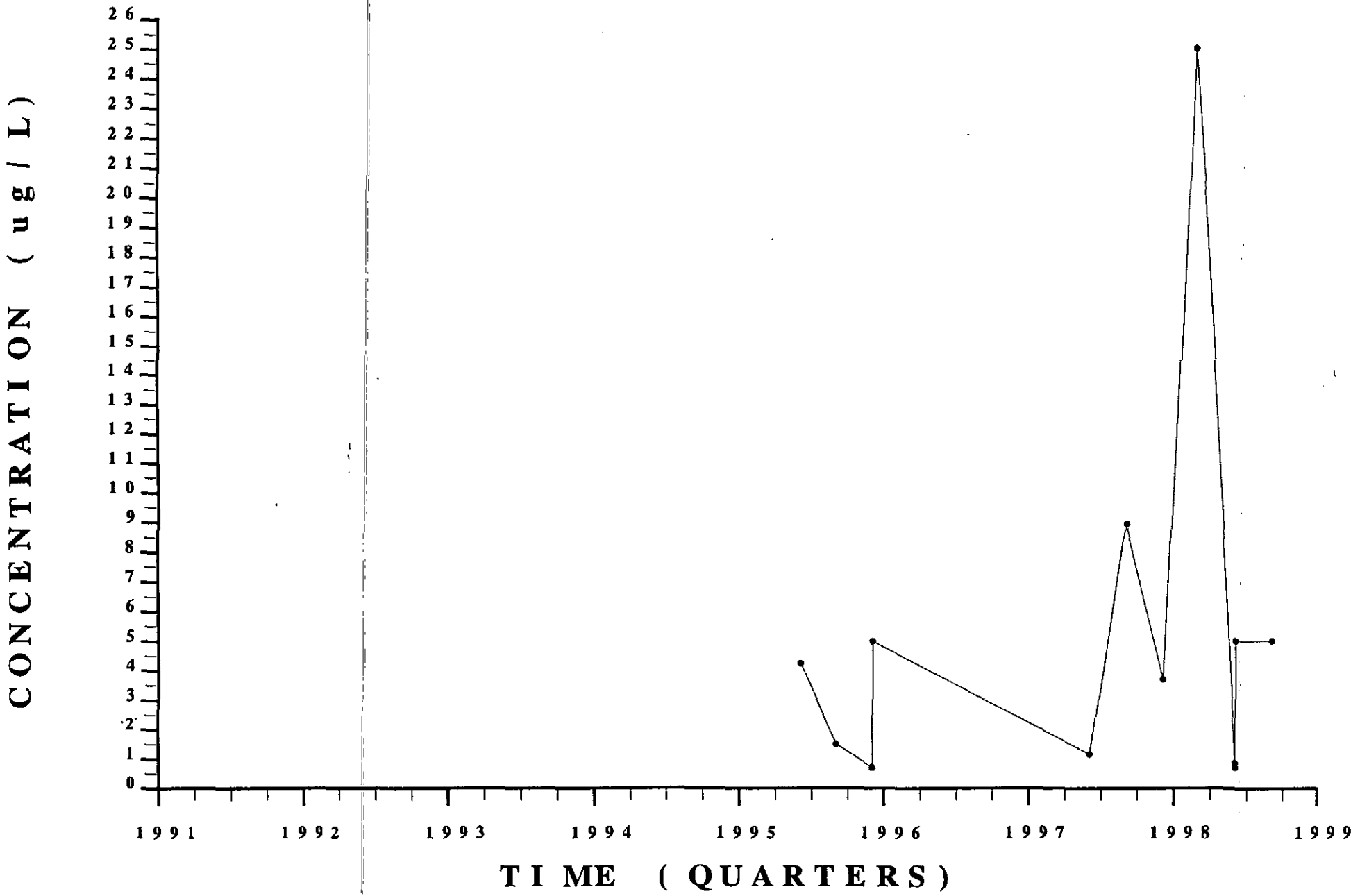
WELL LFW 61C


CONCENTRATION (ug/L)
408
308
208
108
8
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

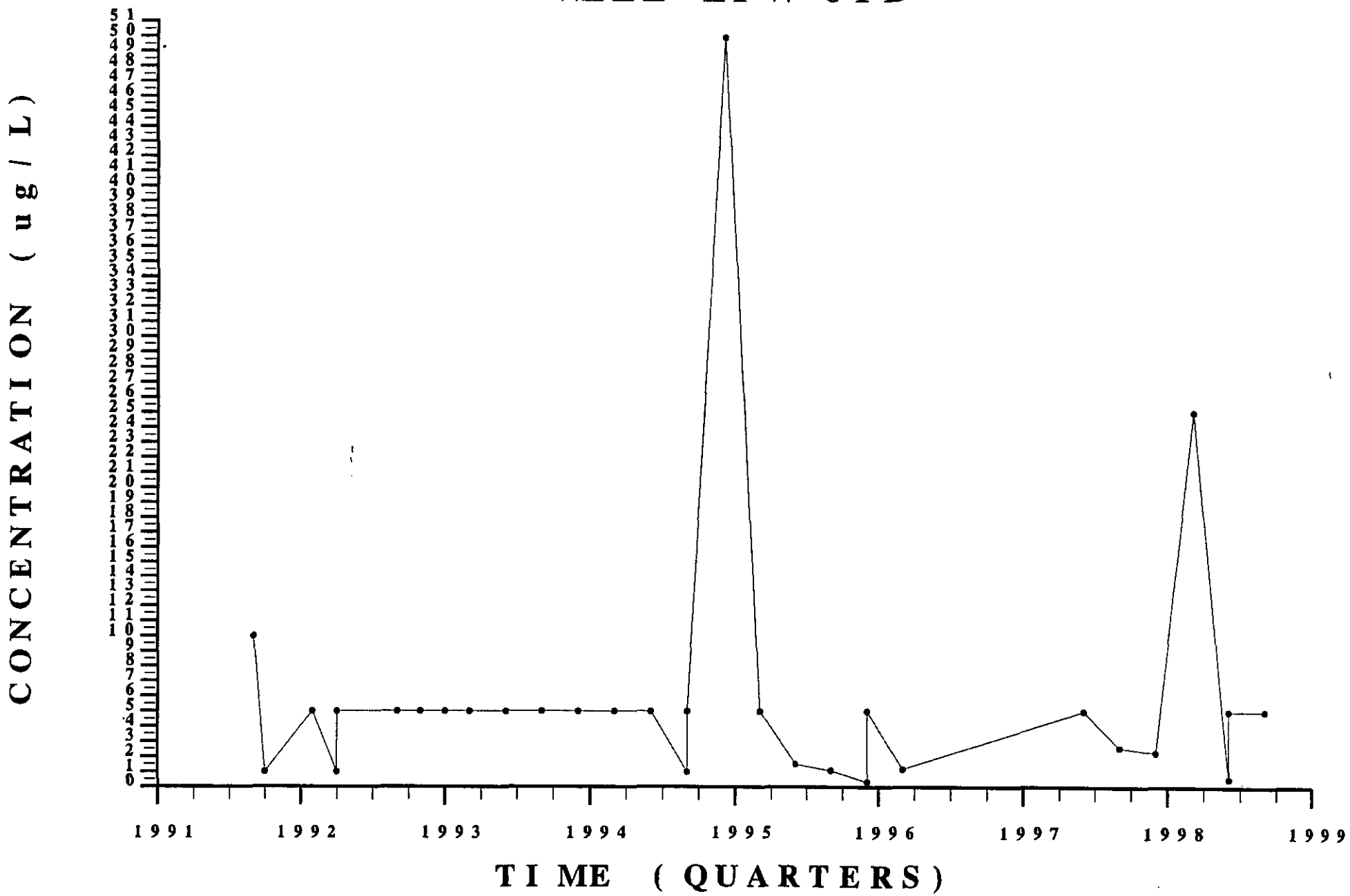
WELL LFW 61D


CONCENTRATION (ug/L)
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

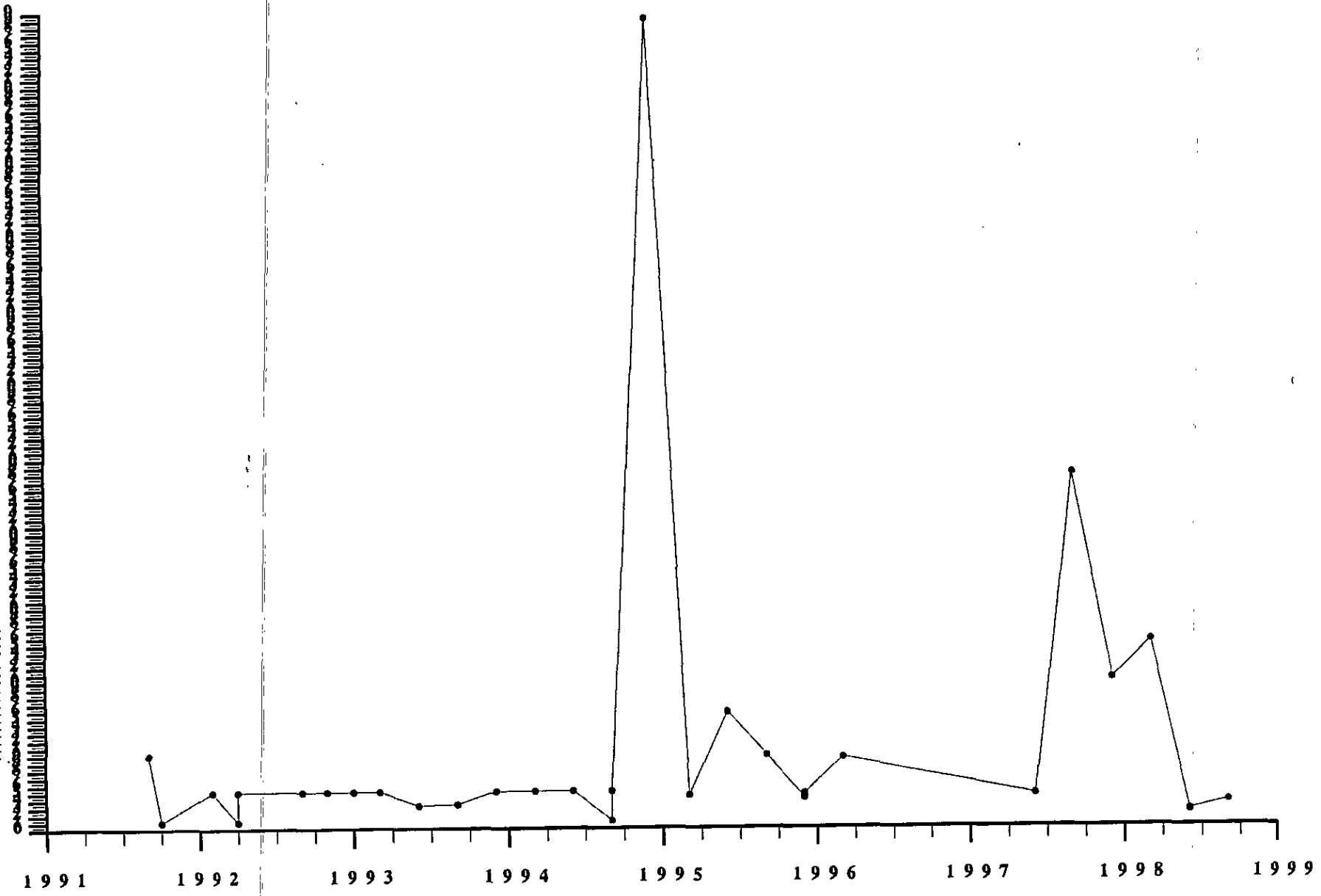
1,4-DICHLOROBENZENE
WELL LFW 61D



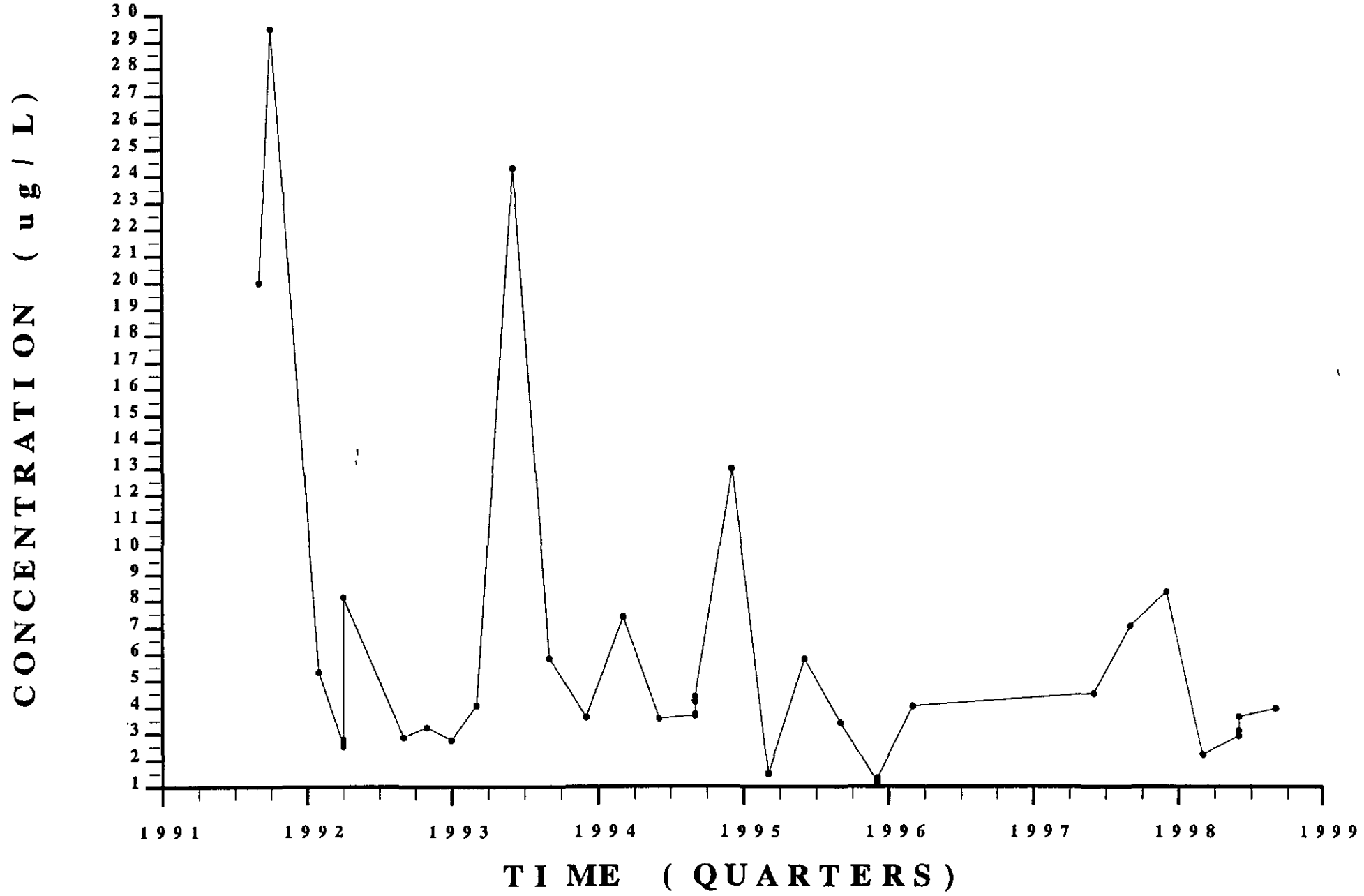
WELL LFW 61D


CONCENTRATION (ug / L)
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

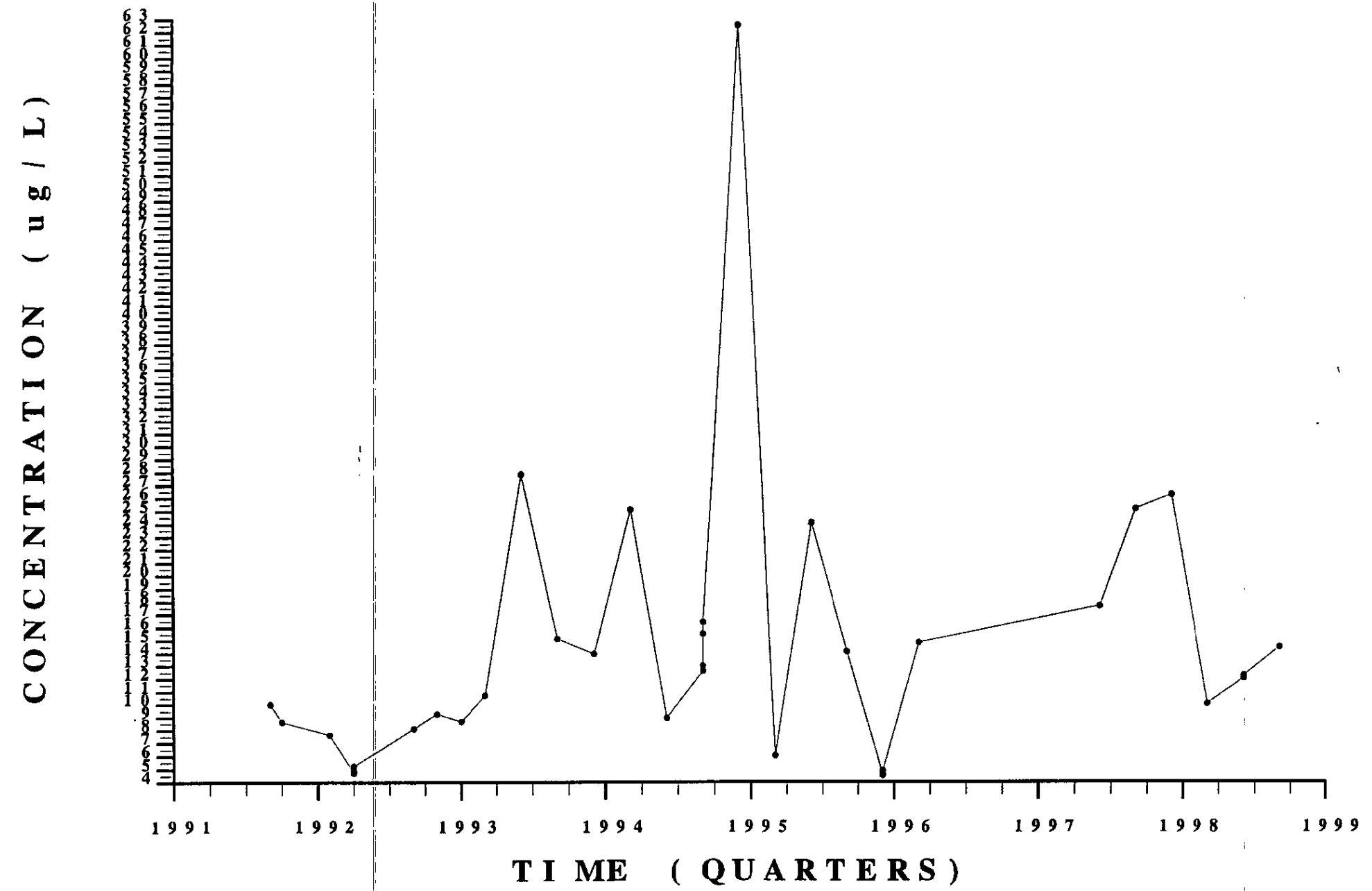
ETHYLBENZENE
WELL LFW 61D



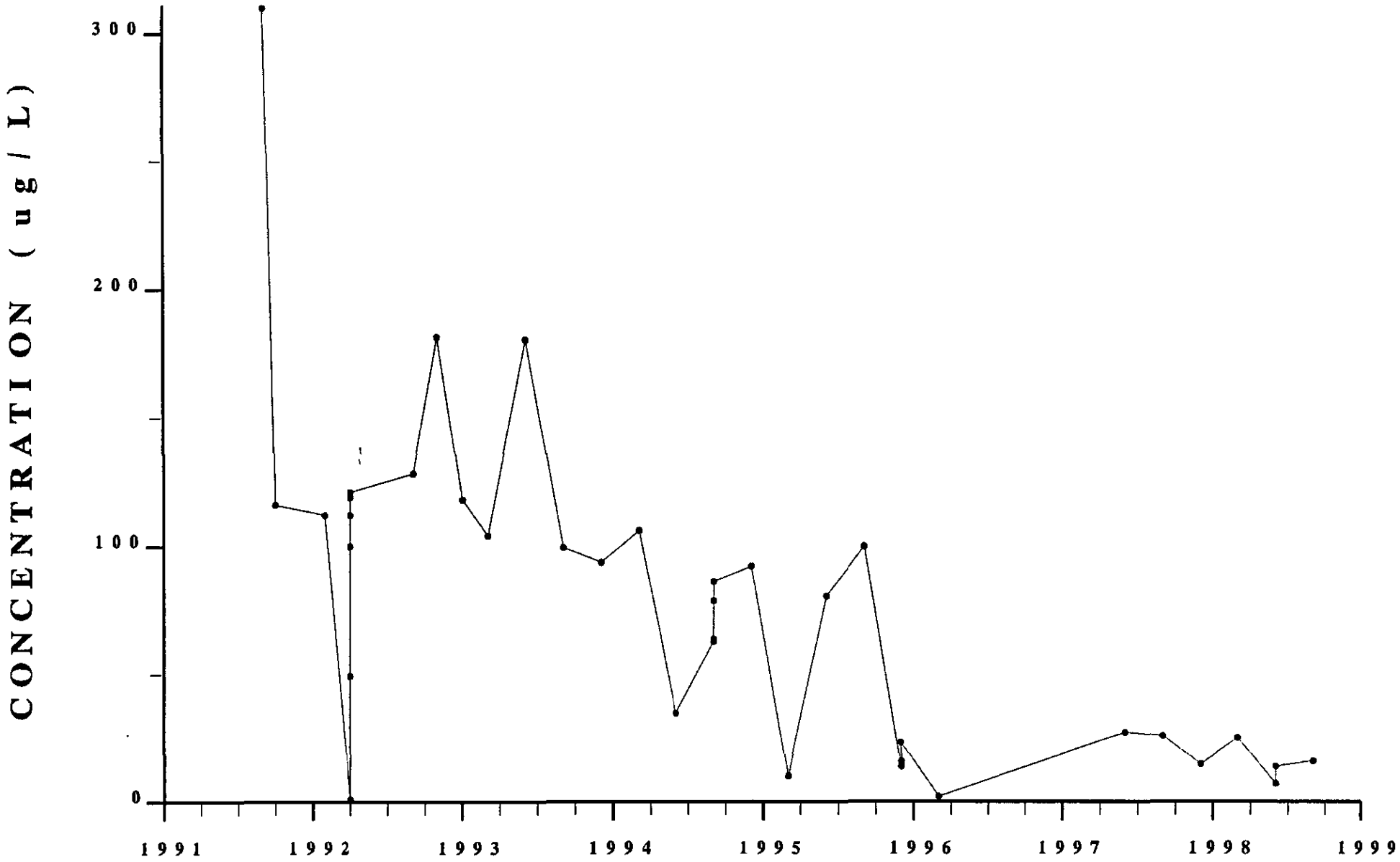
WELL LFW 61D


CONCENTRATION (ug/L)
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

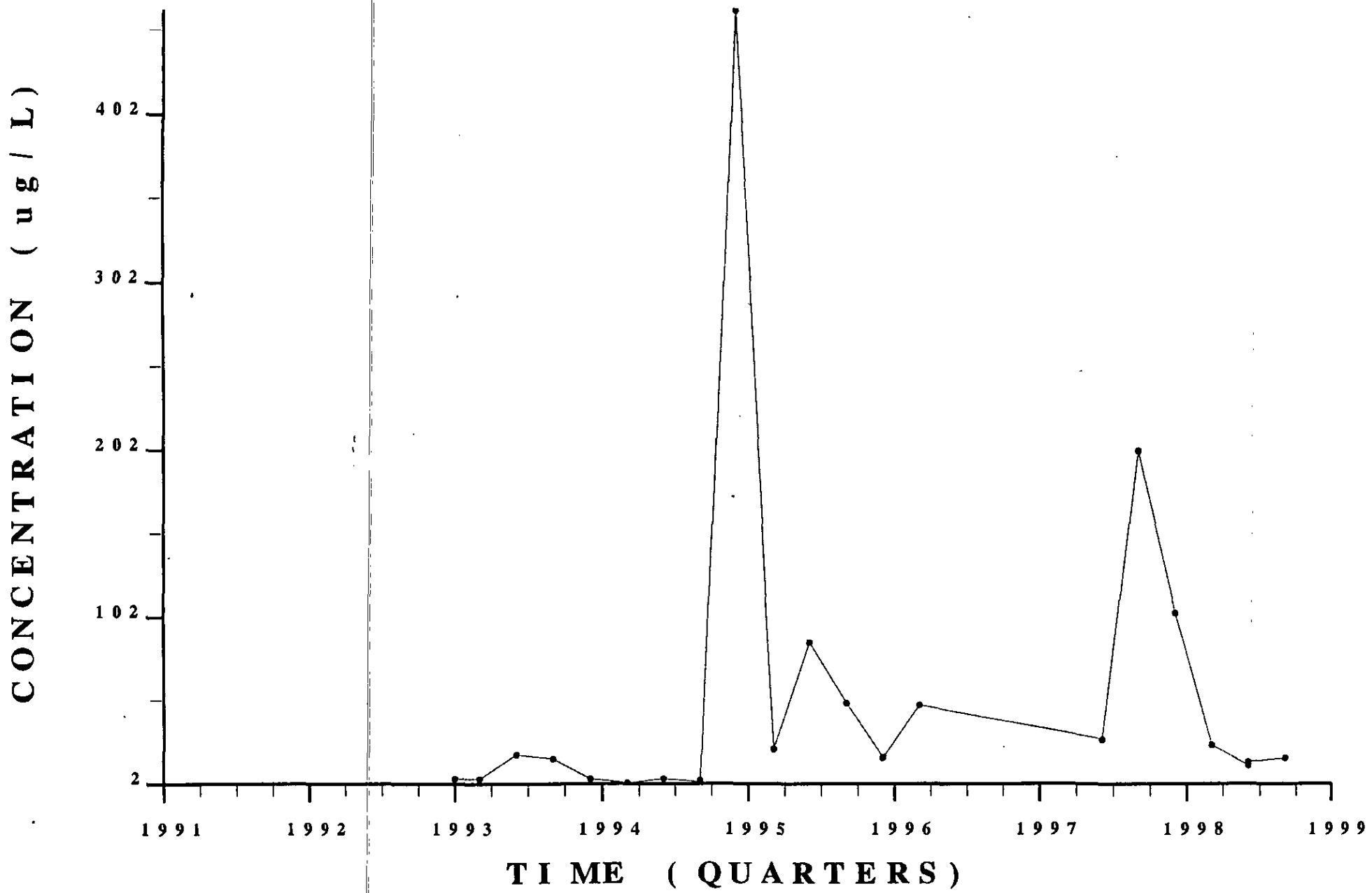
WELL LFW 61D


CONCENTRATION (ug/L)
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

WELL LFW 61D


CONCENTRATION (ug/L)
300
200
100
0
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

WELL LFW 61D


CONCENTRATION (ug/L)
402
302
202
102
2
1991
1992
1993
1994
1995
1996
1997
1998
1999
TIME (QUARTERS)

Appendix G

Hydrographs

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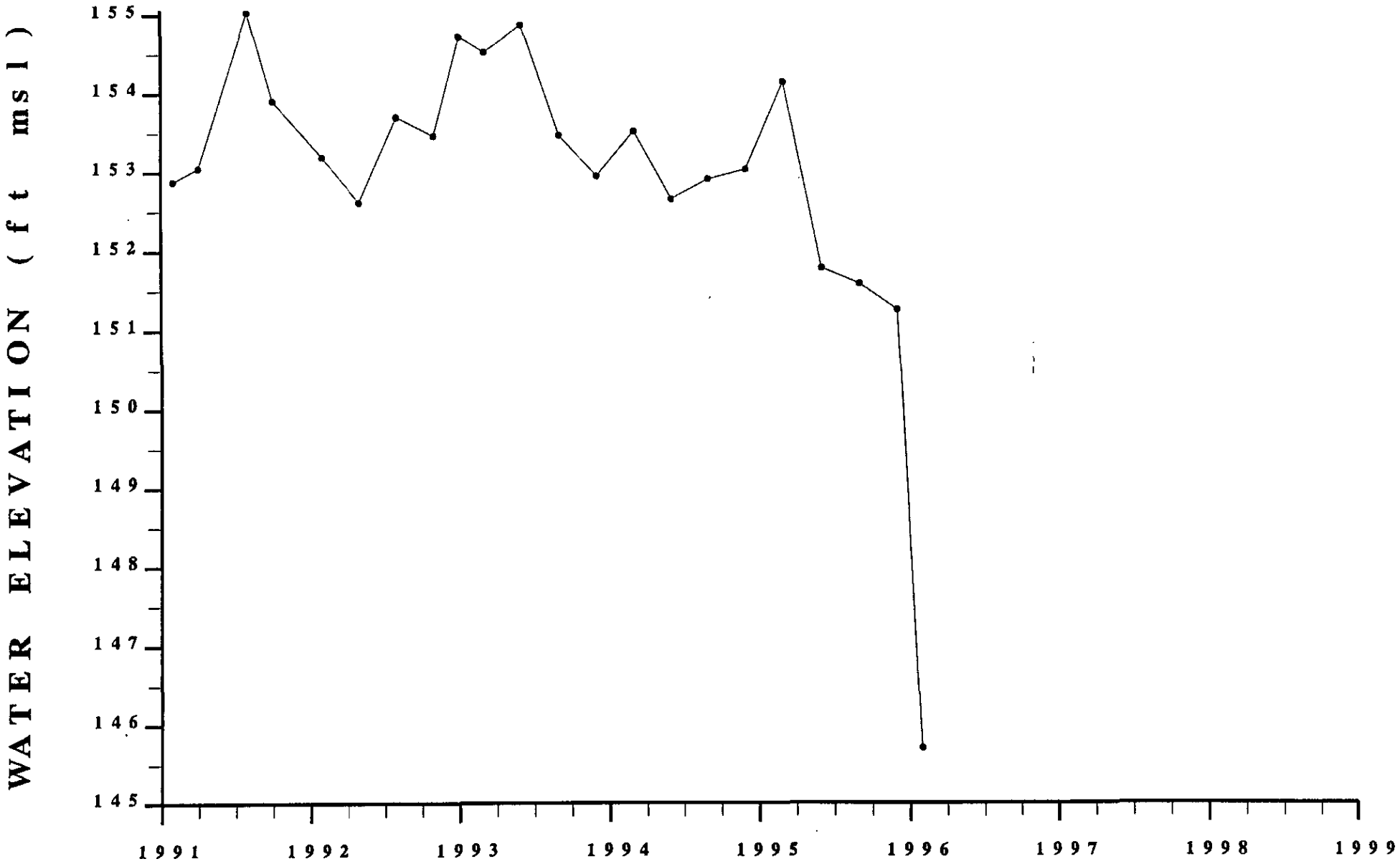
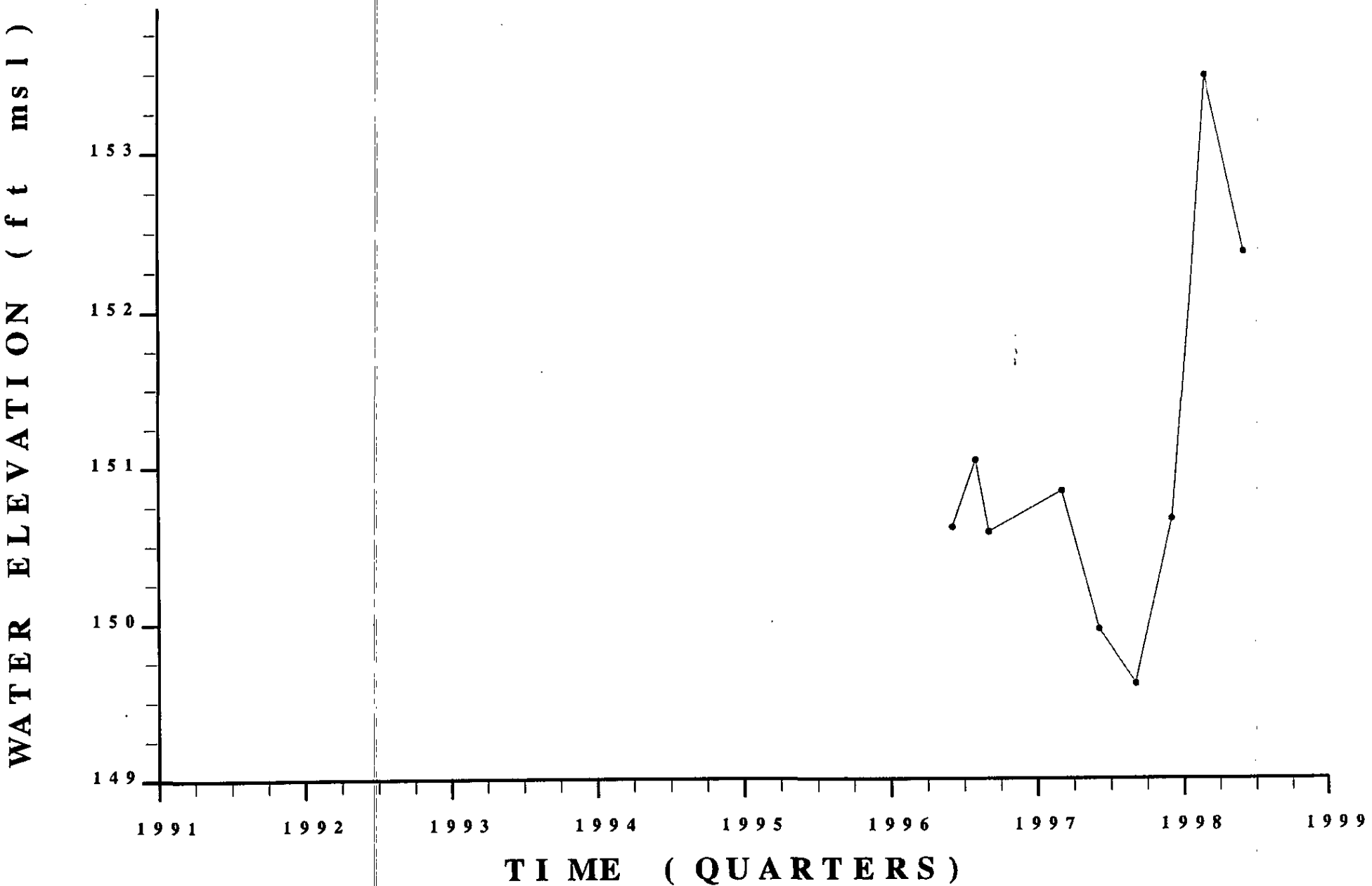
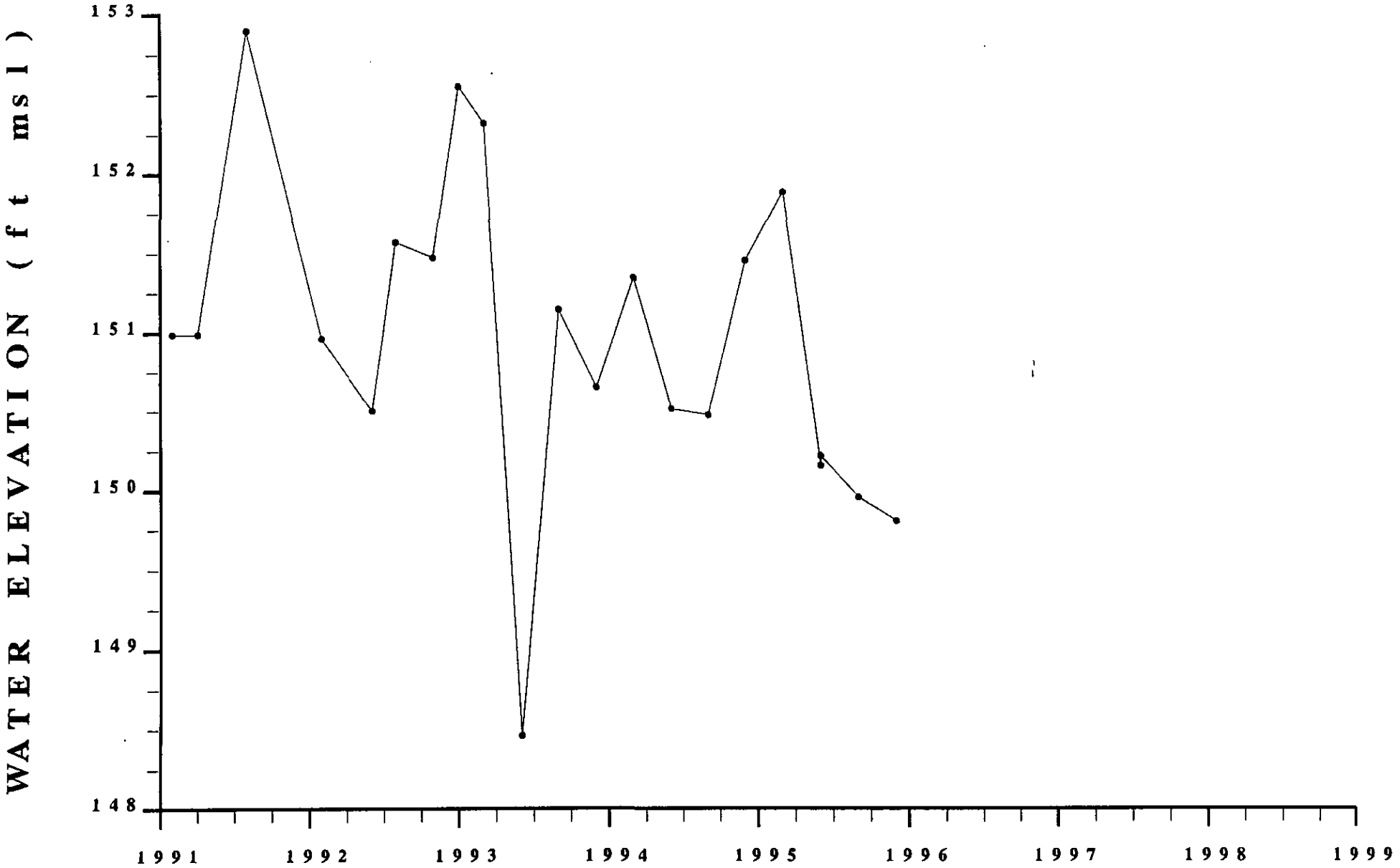
HYDROGRAPH
WELL LFW 6



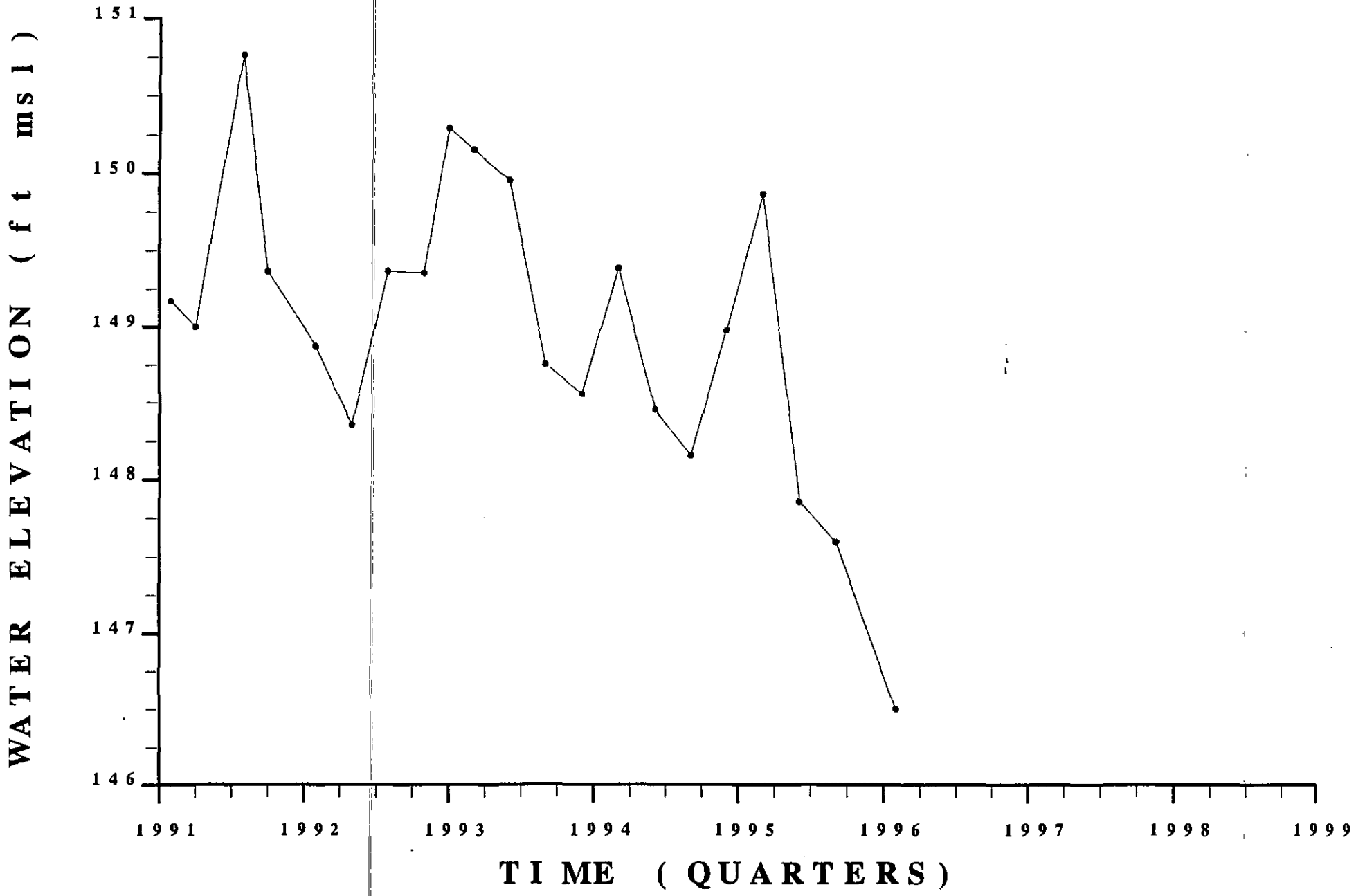
HYDROGRAPH
WELL LFW 6R



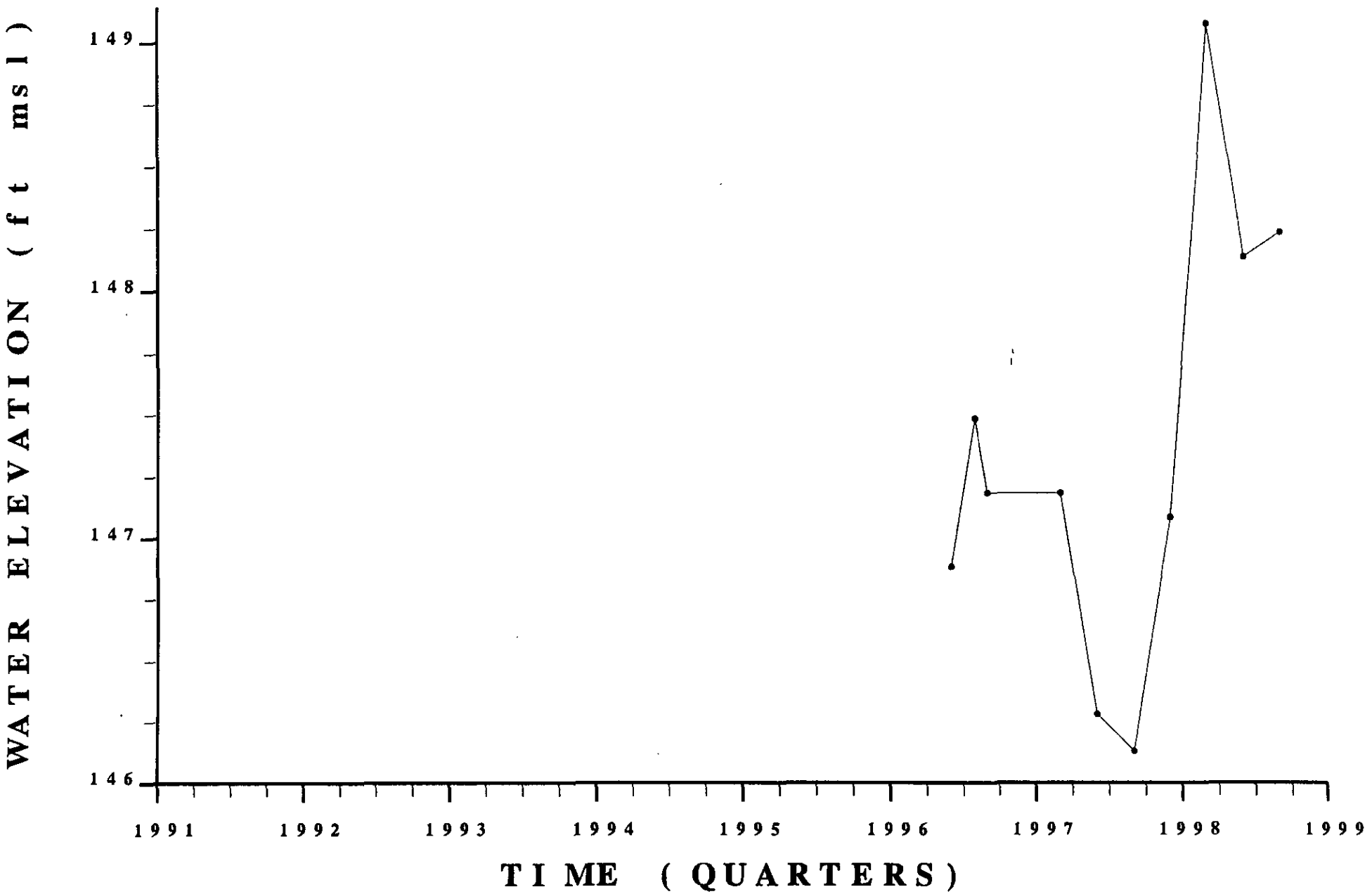
HYDROGRAPH
WELL LFW 7



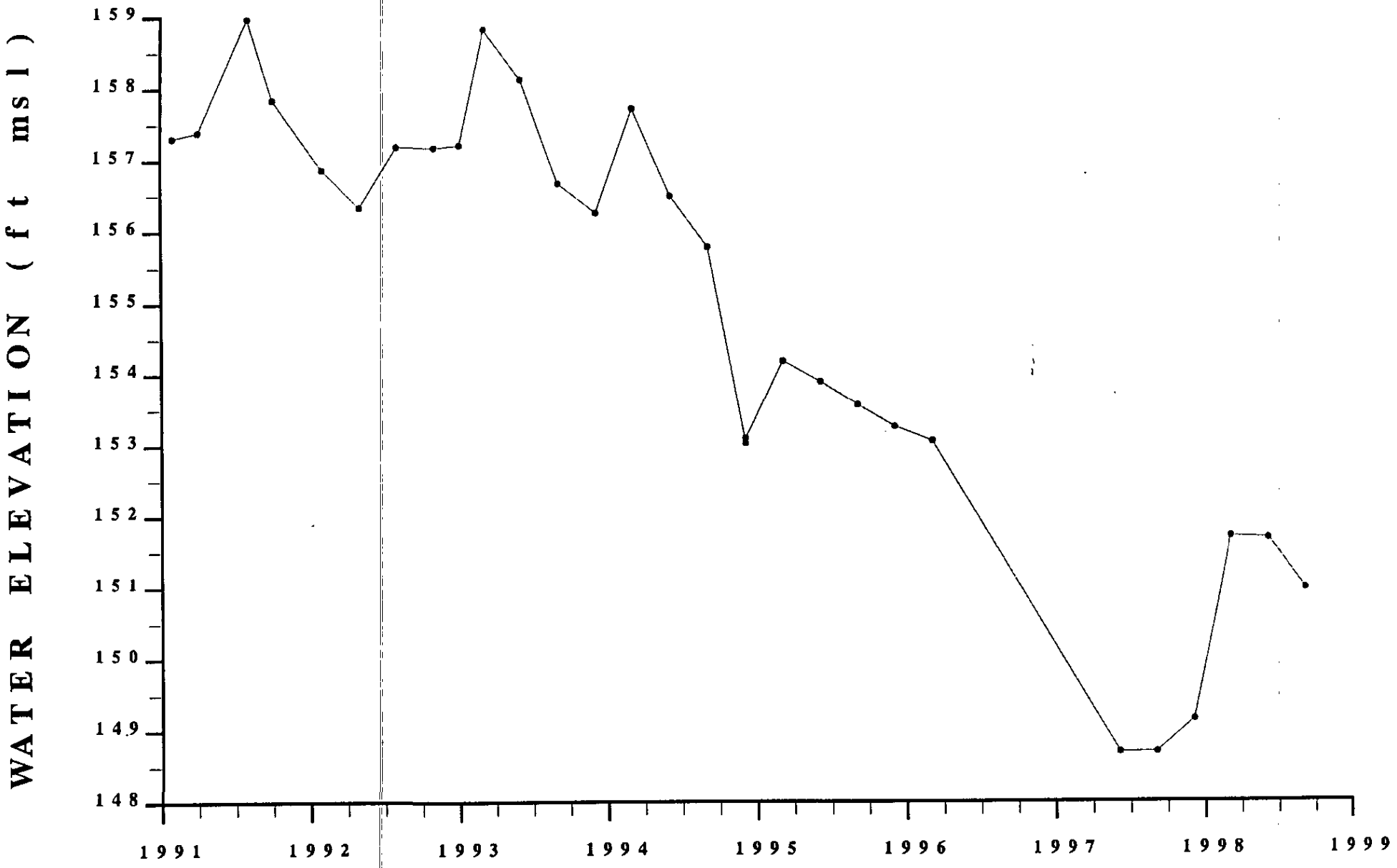
HYDROGRAPH
WELL LFW 8



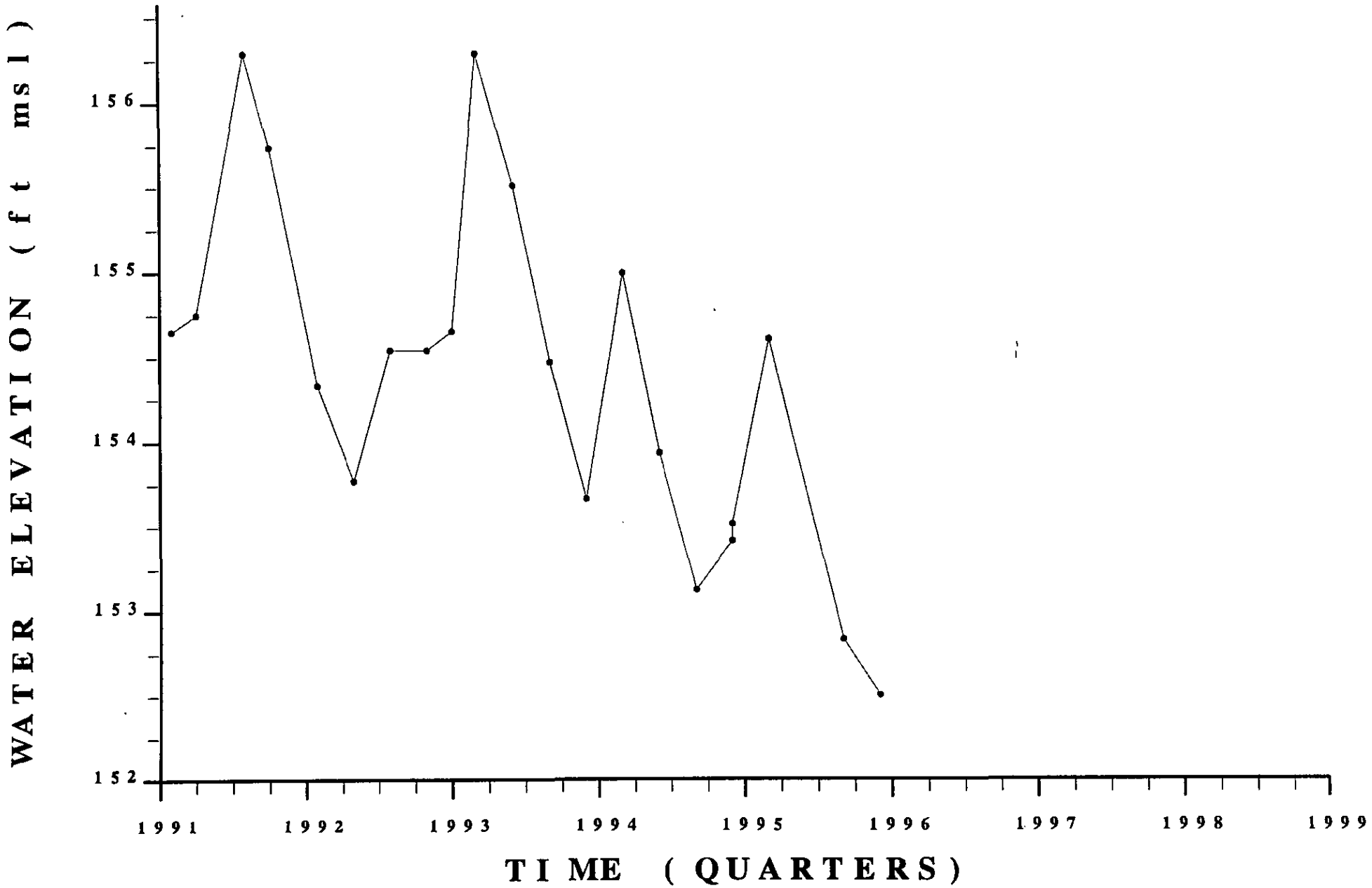
HYDROGRAPH
WELL LFW 8R



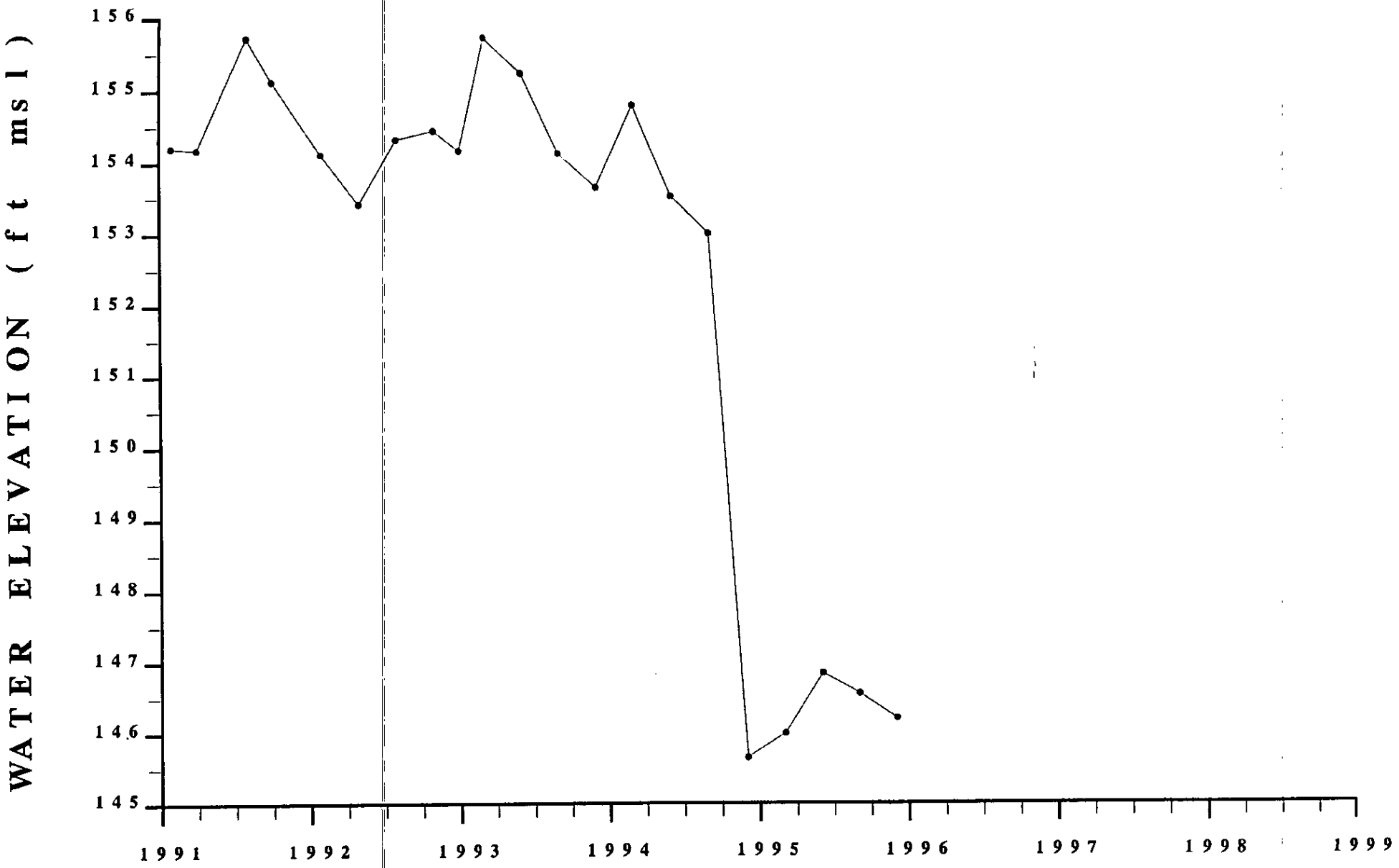
HYDROGRAPH
WELL LFW 10A



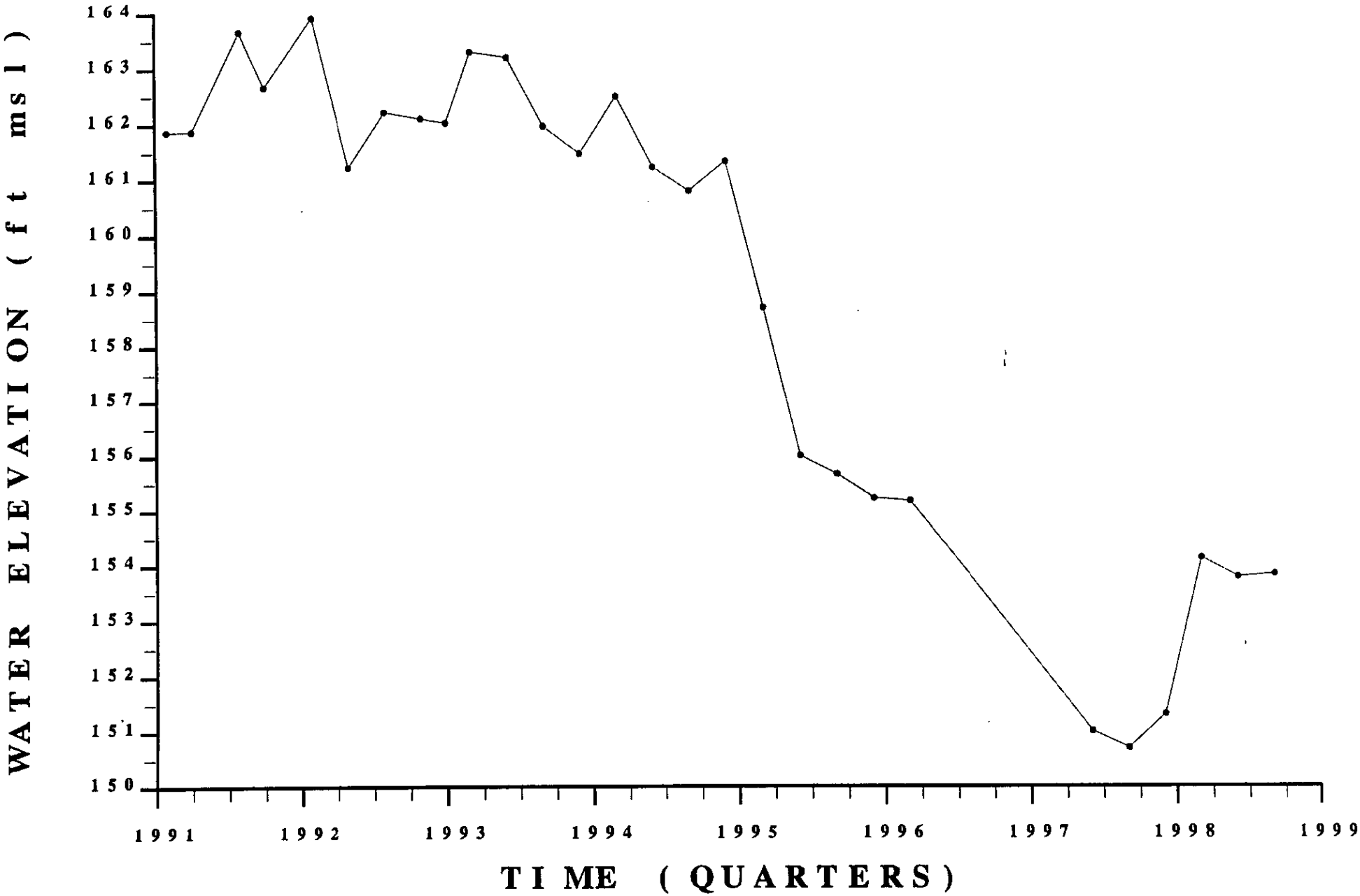
HYDROGRAPH
WELL LFW 16



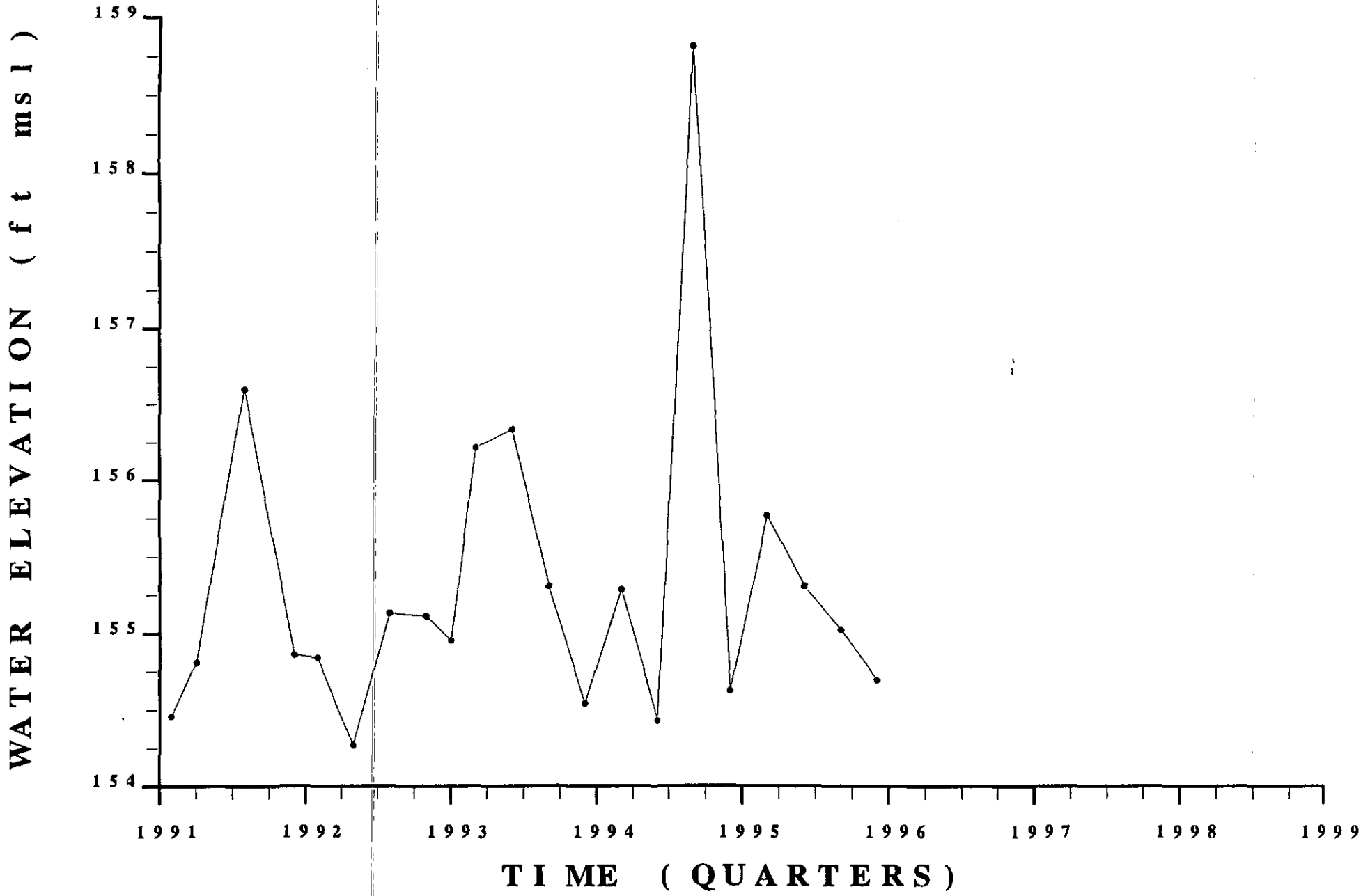
HYDROGRAPH
WELL LFW 17



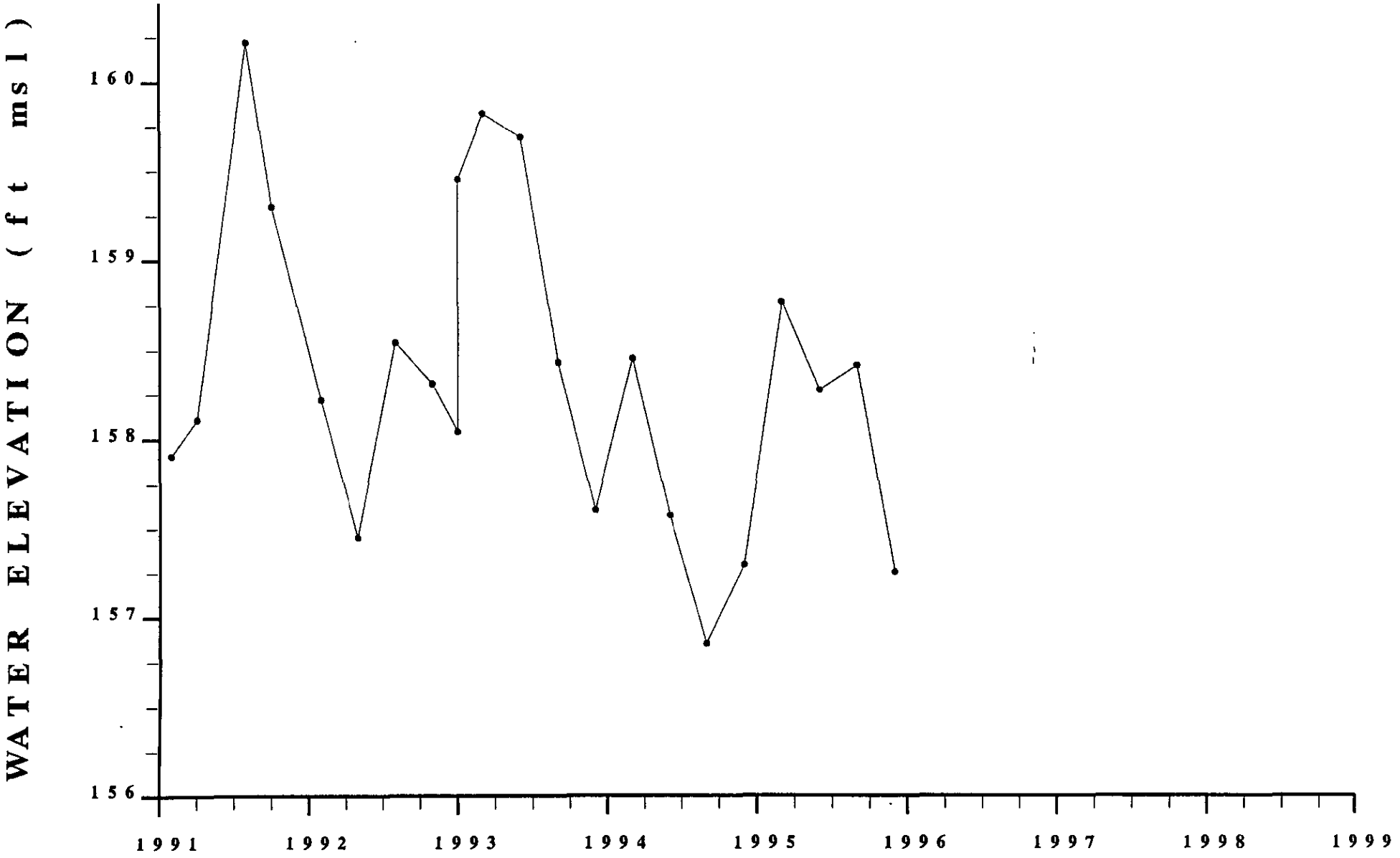
HYDROGRAPH
WELL LFW 18



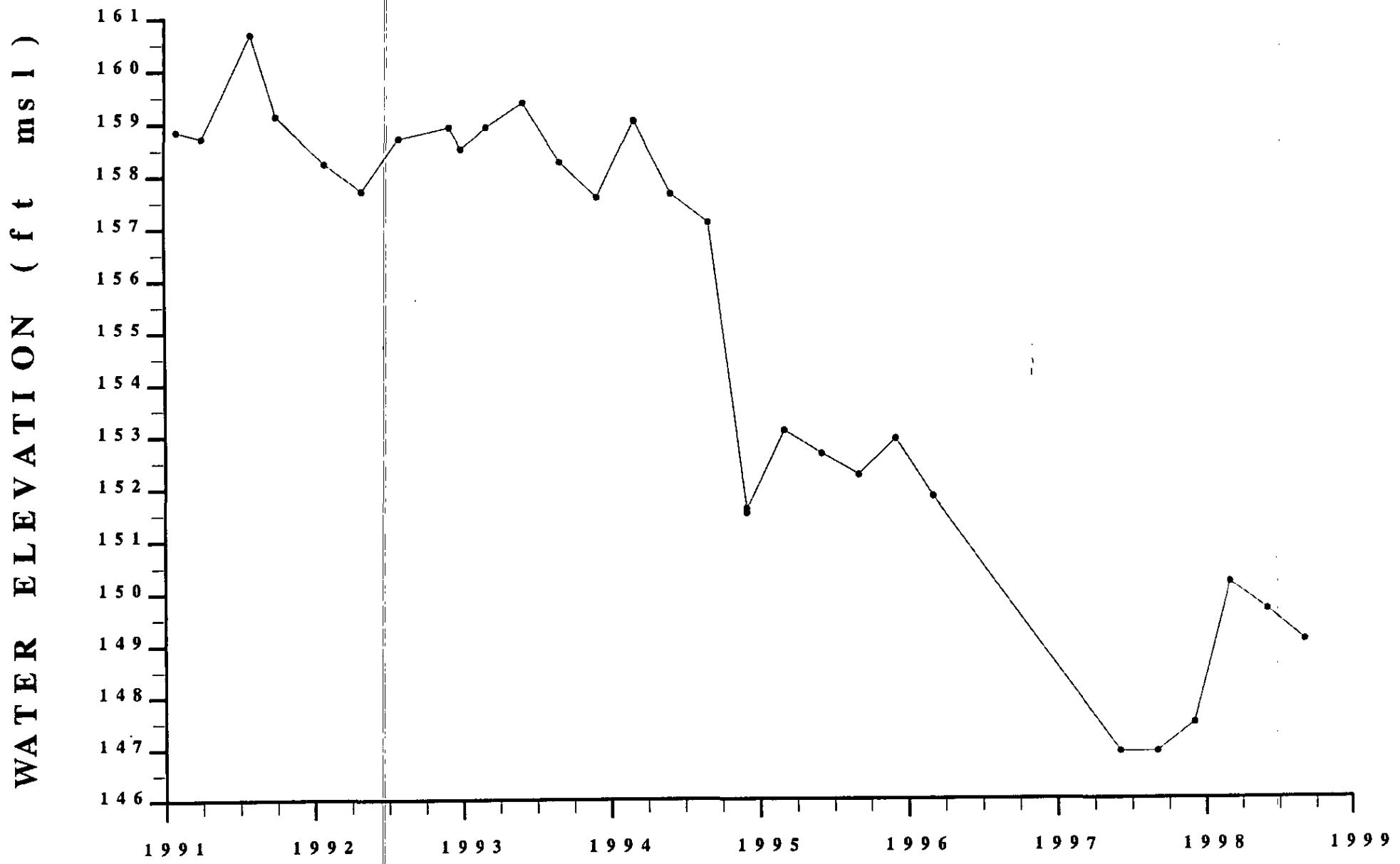
HYDROGRAPH
WELL LFW 19



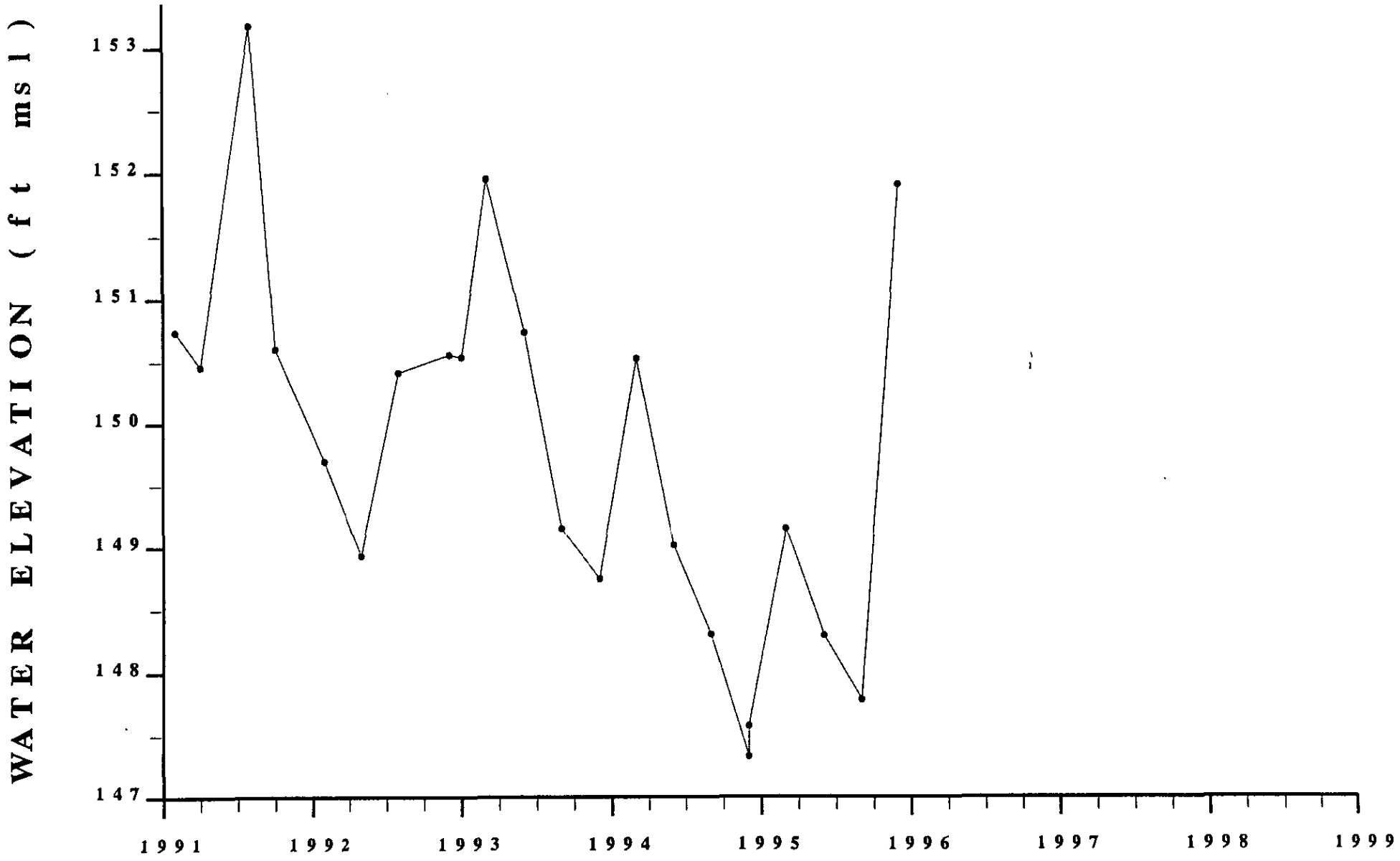
HYDROGRAPH
WELL LFW 20



HYDROGRAPH
WELL LFW 21



HYDROGRAPH
WELL LFW 22



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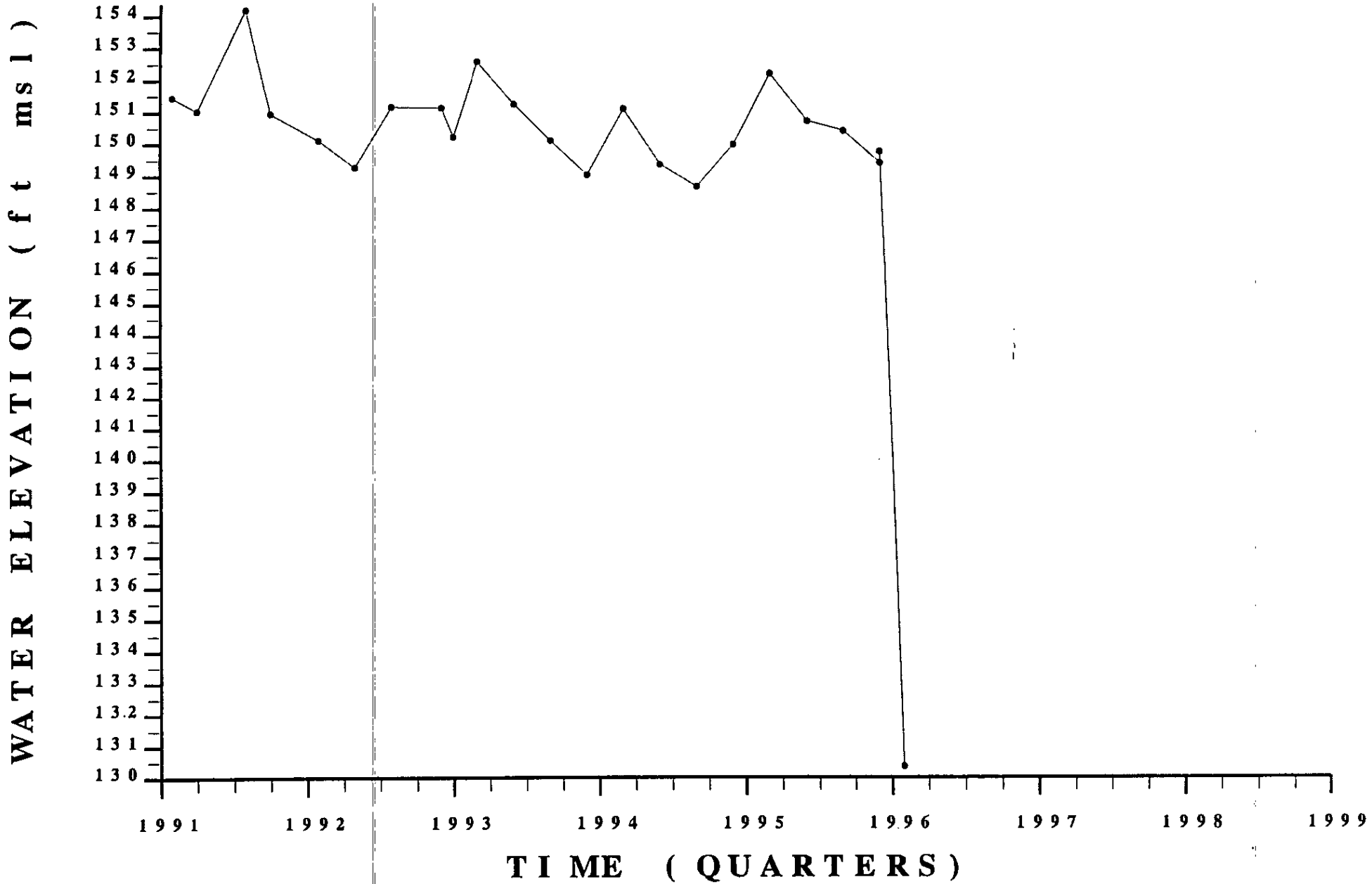
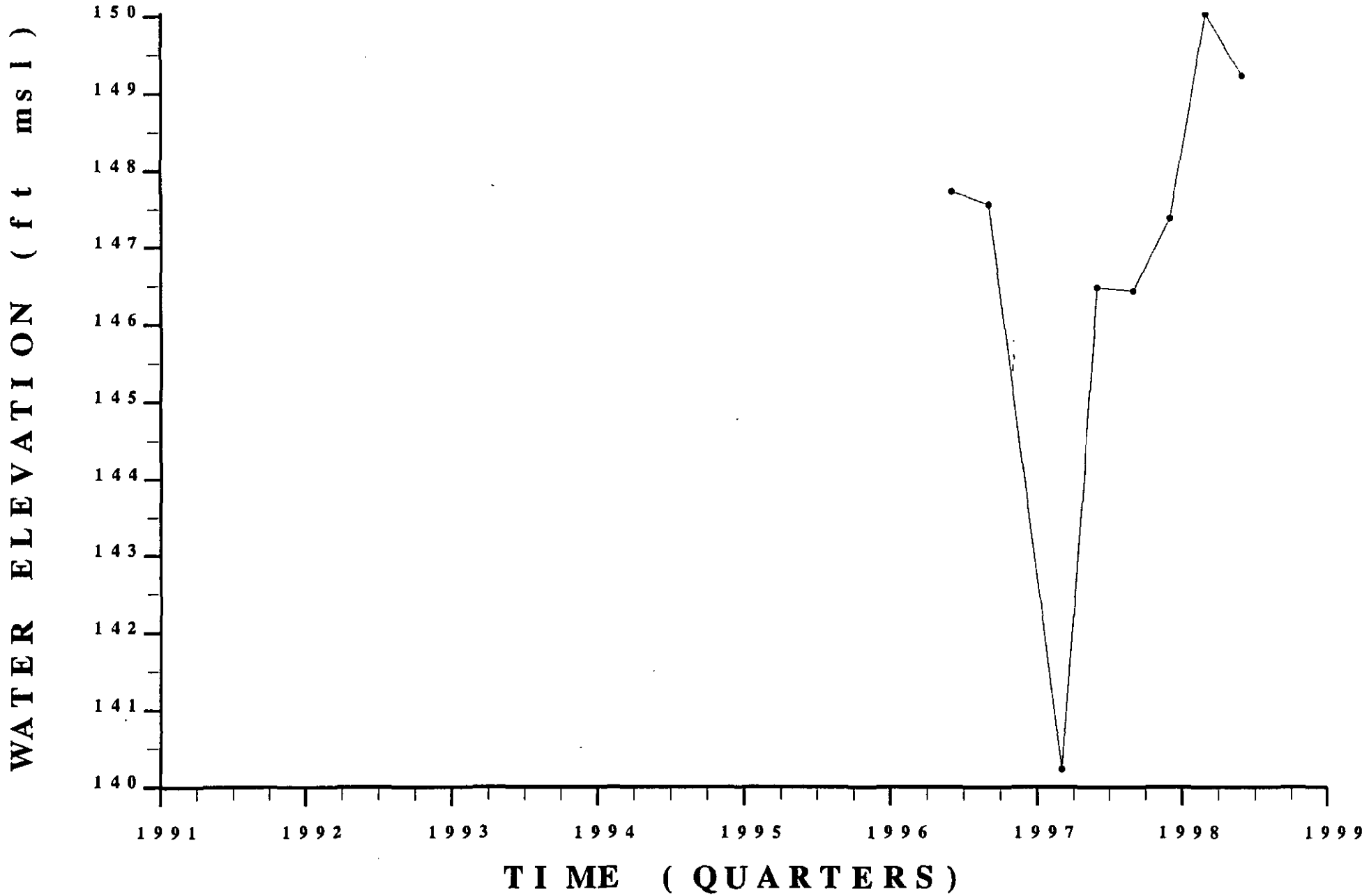
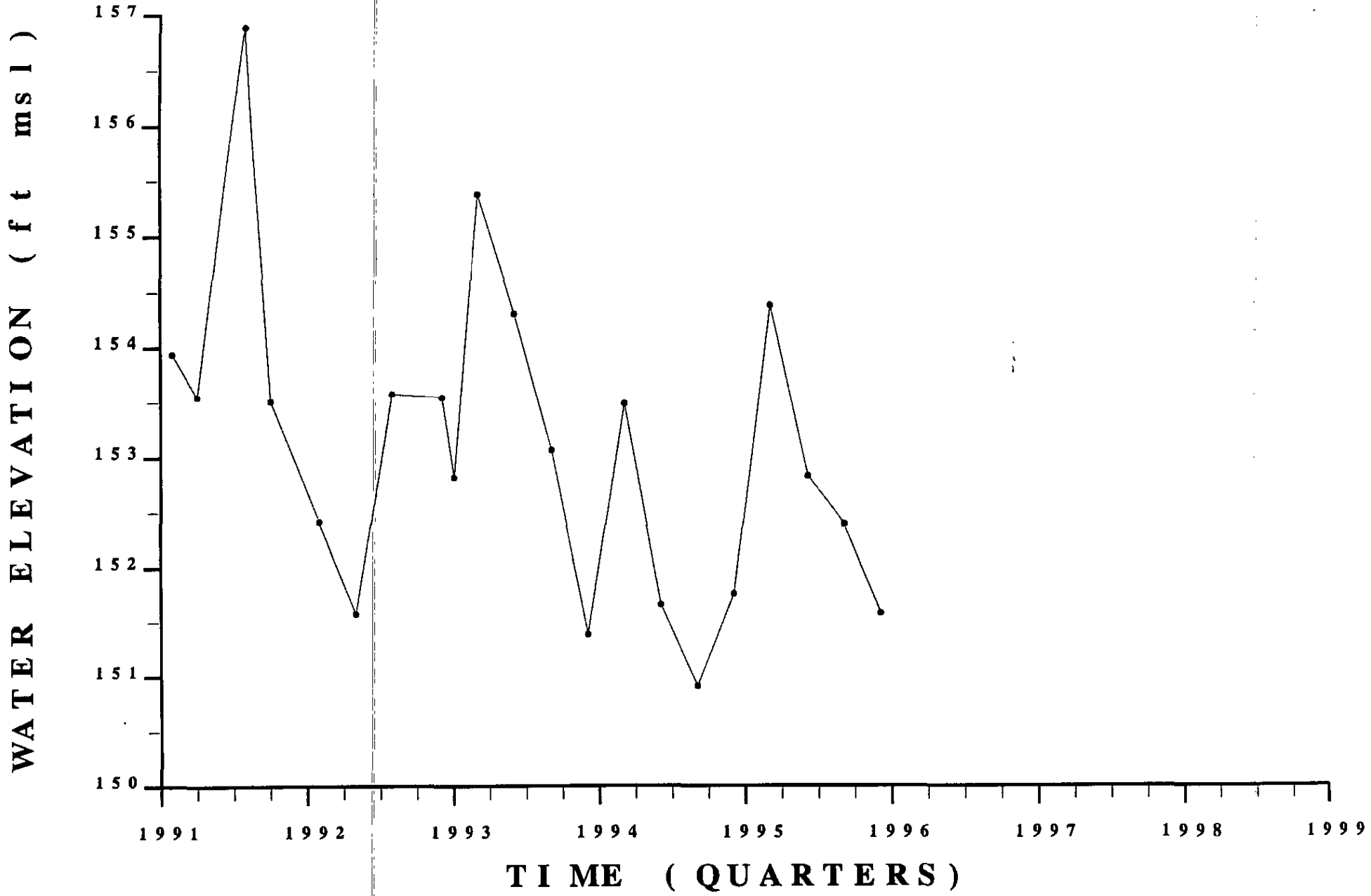
WELL LFW 23



HYDROGRAPH
WELL LFW 23R



HYDROGRAPH
WELL LFW 24



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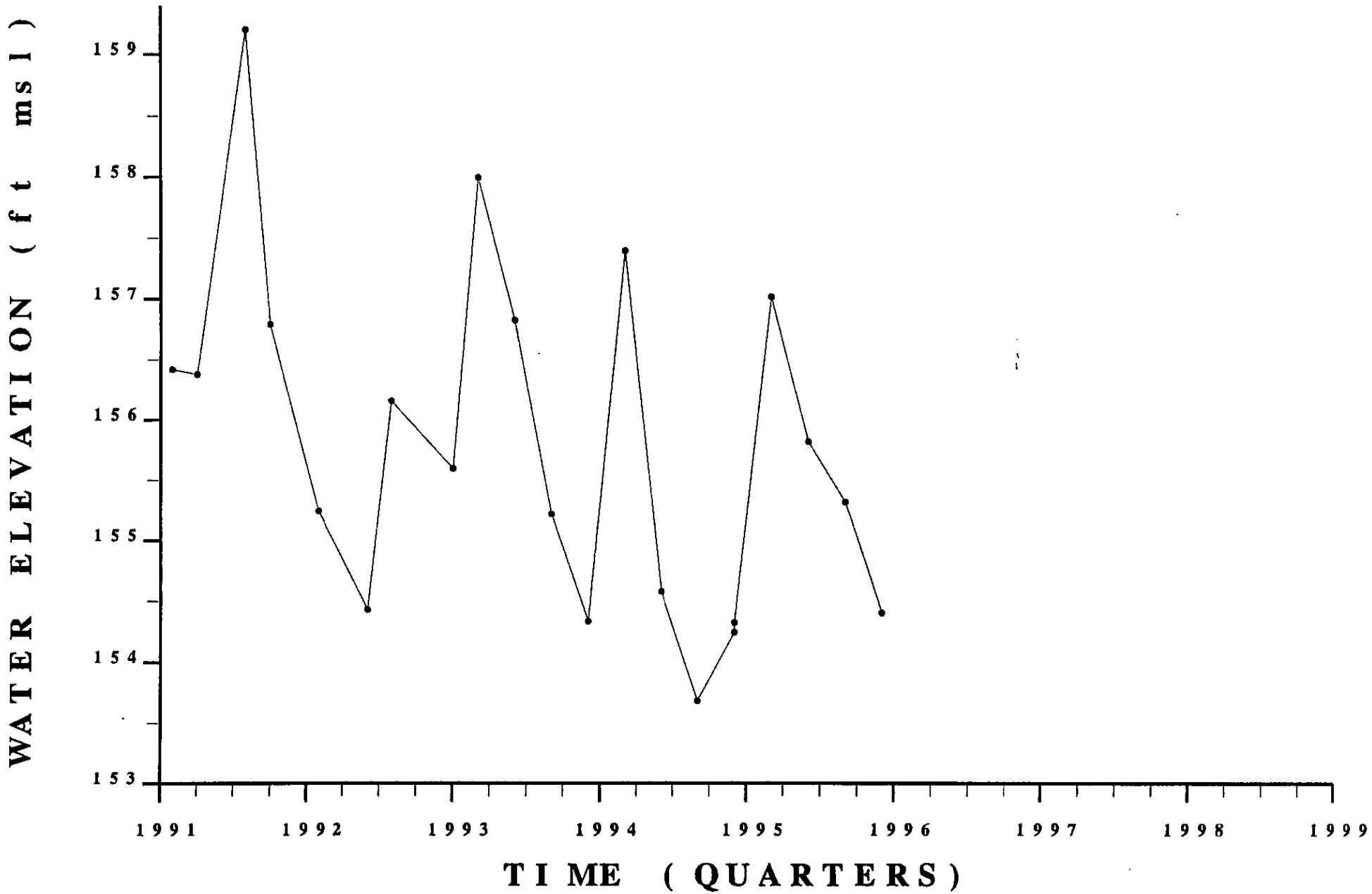
WELL LFW 25



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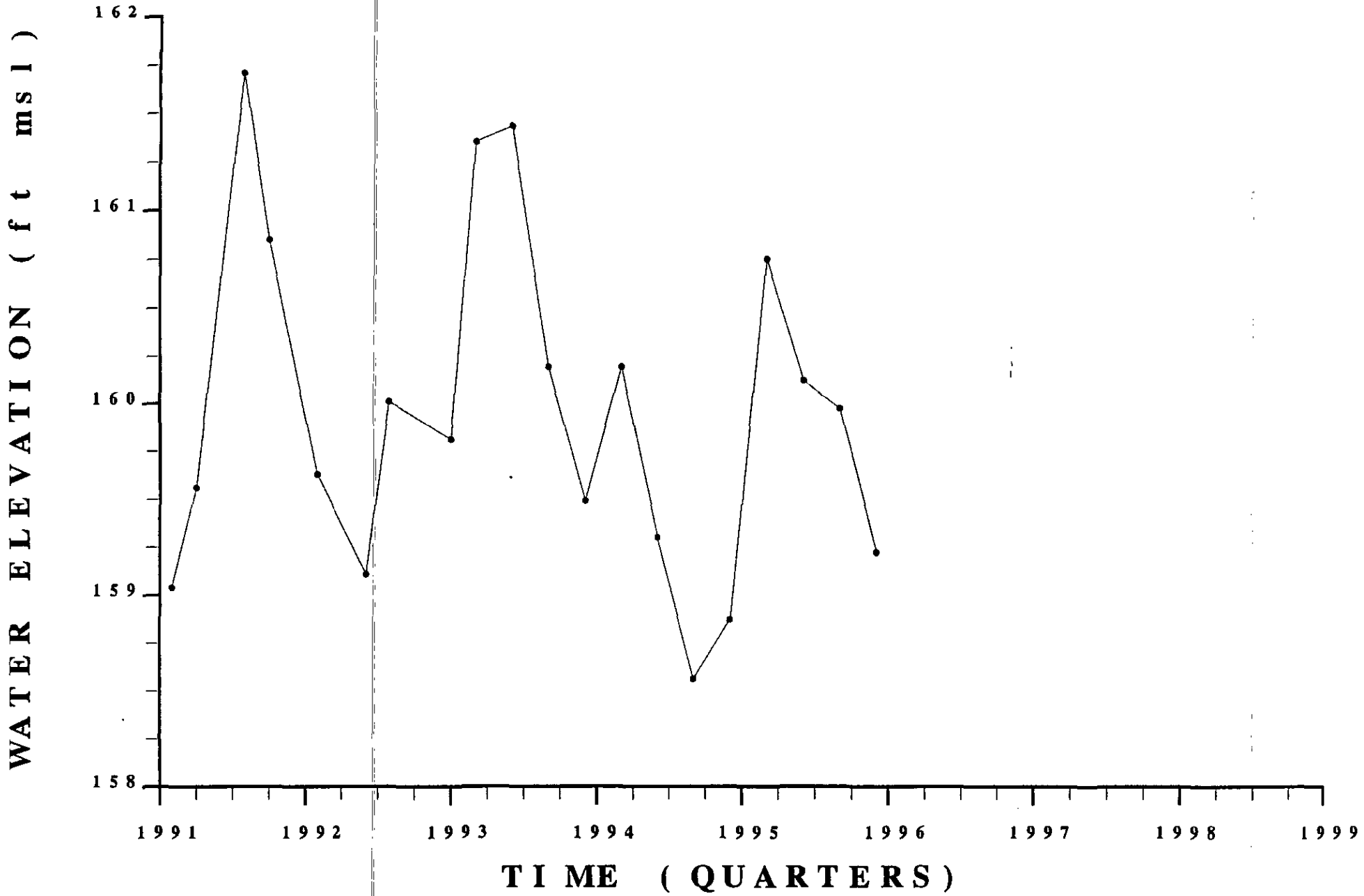
WELL LFW 26



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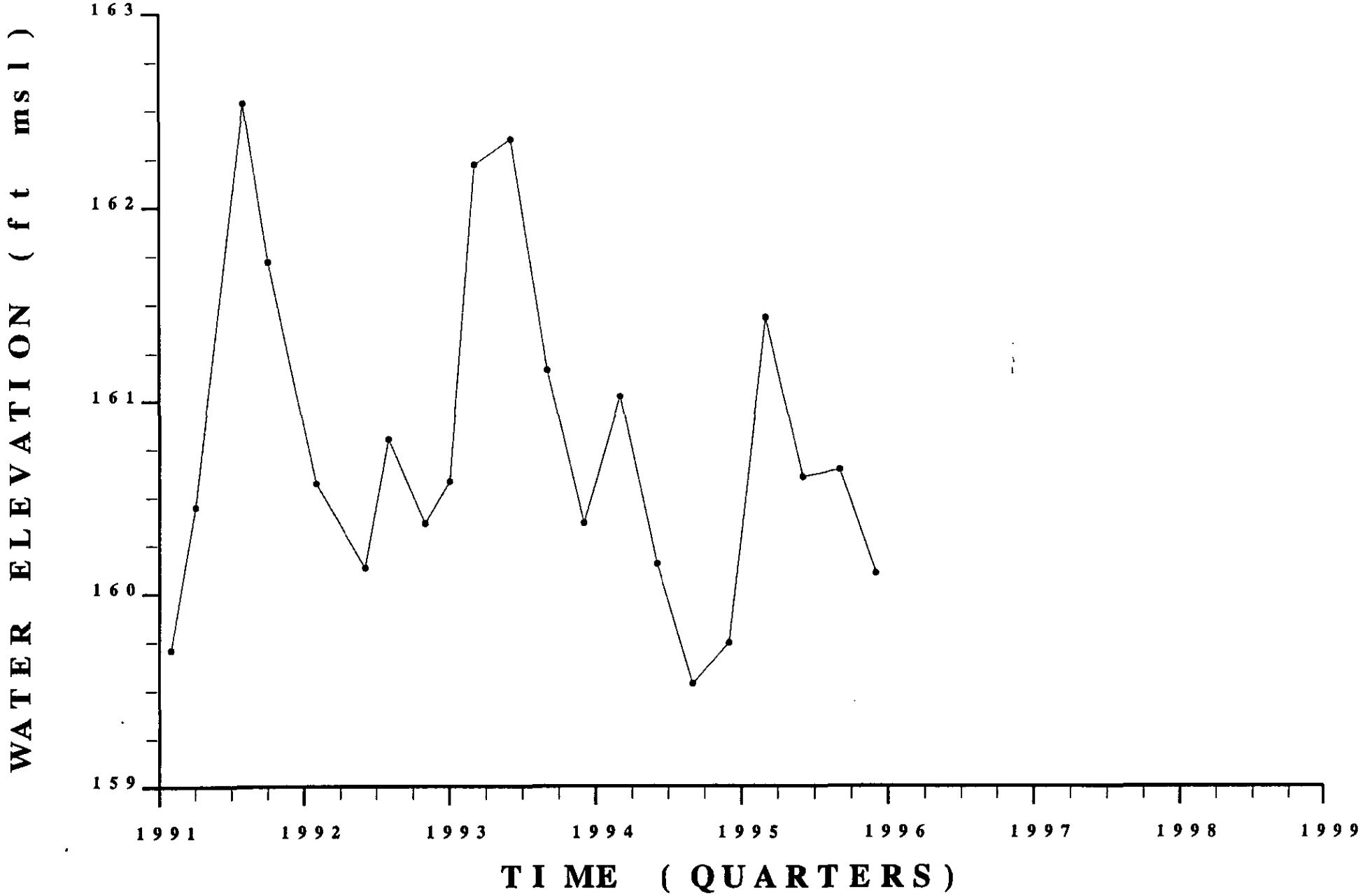

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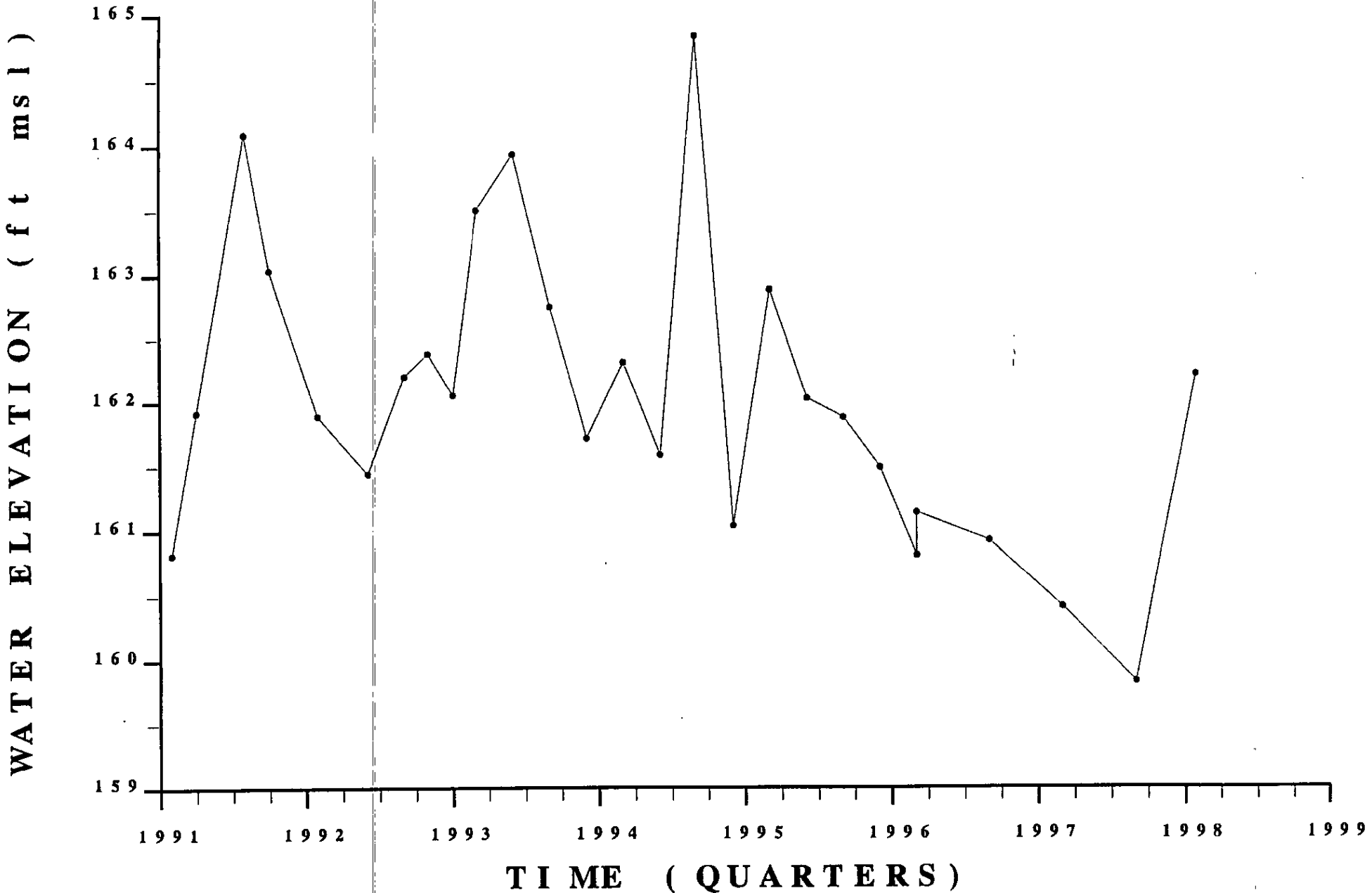
WELL LFW 28



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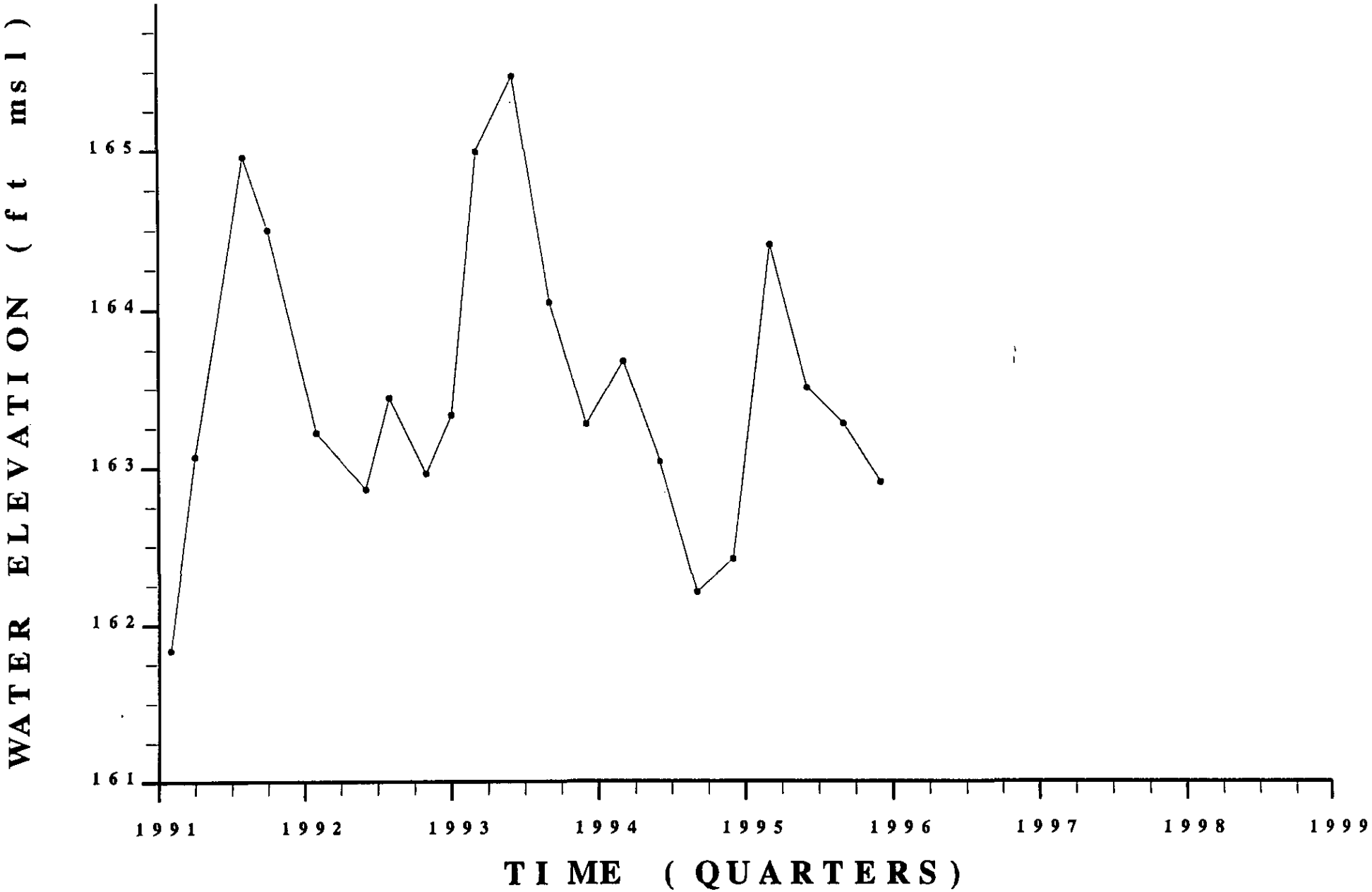
WELL LFW 29



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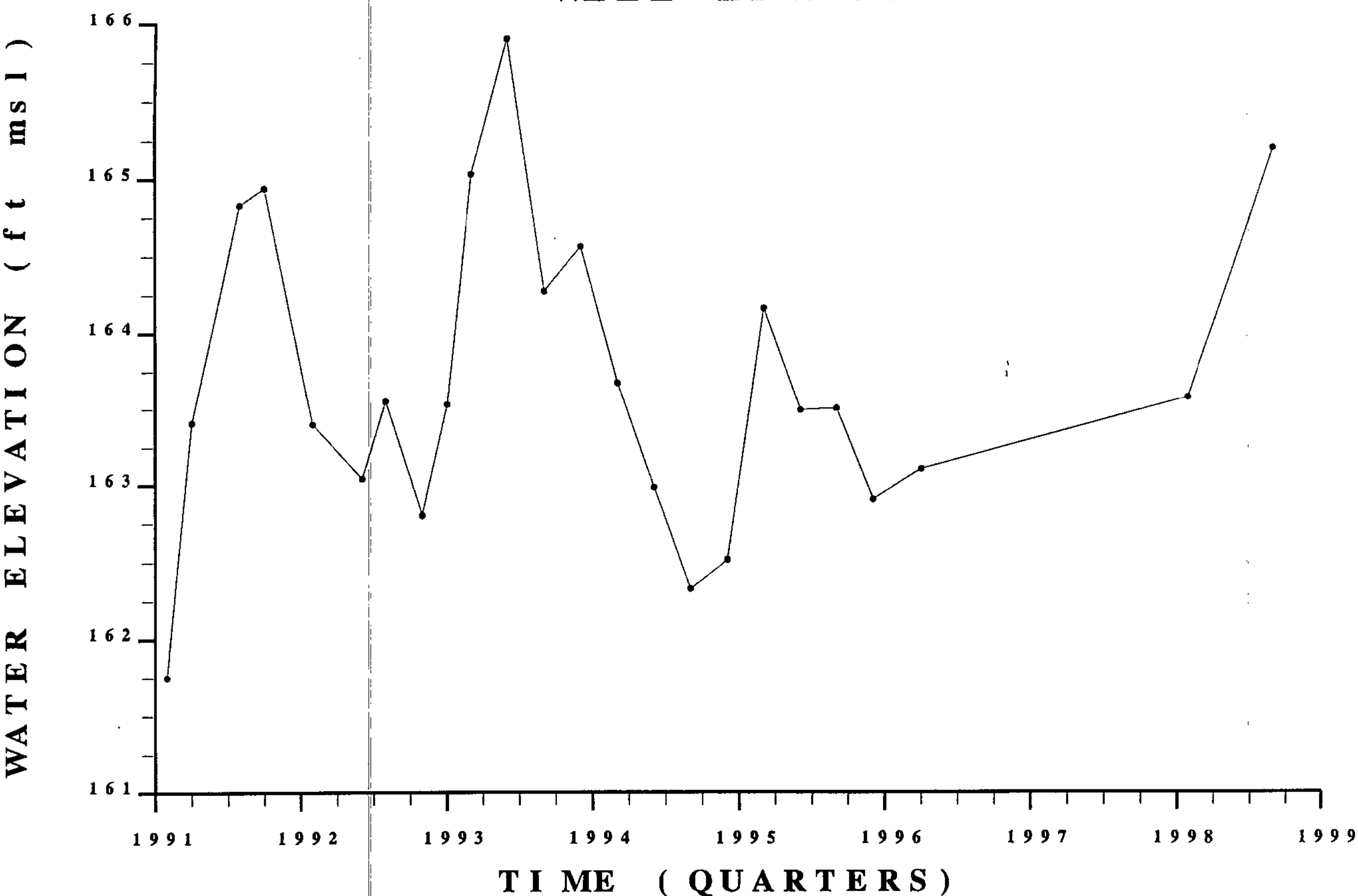

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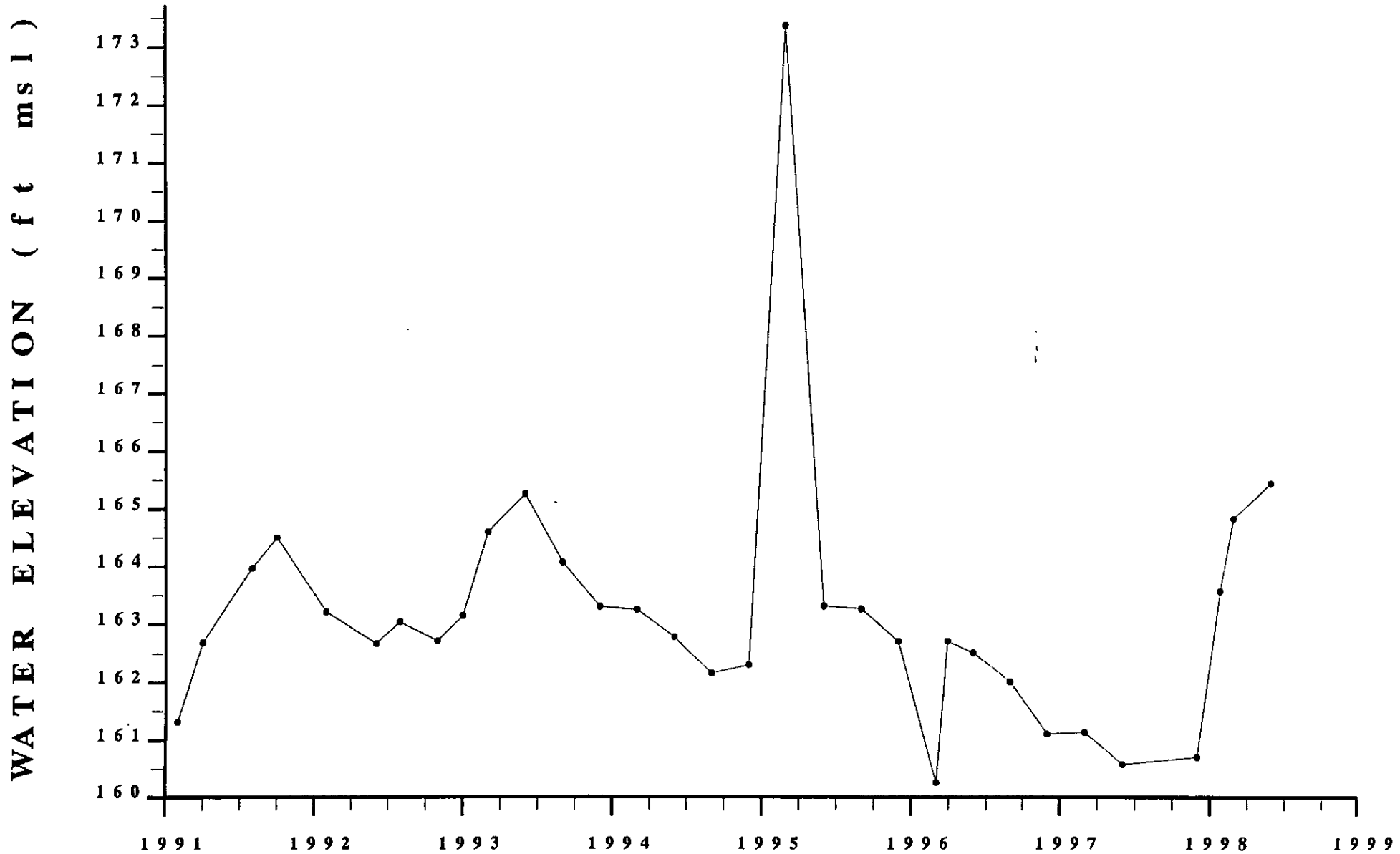
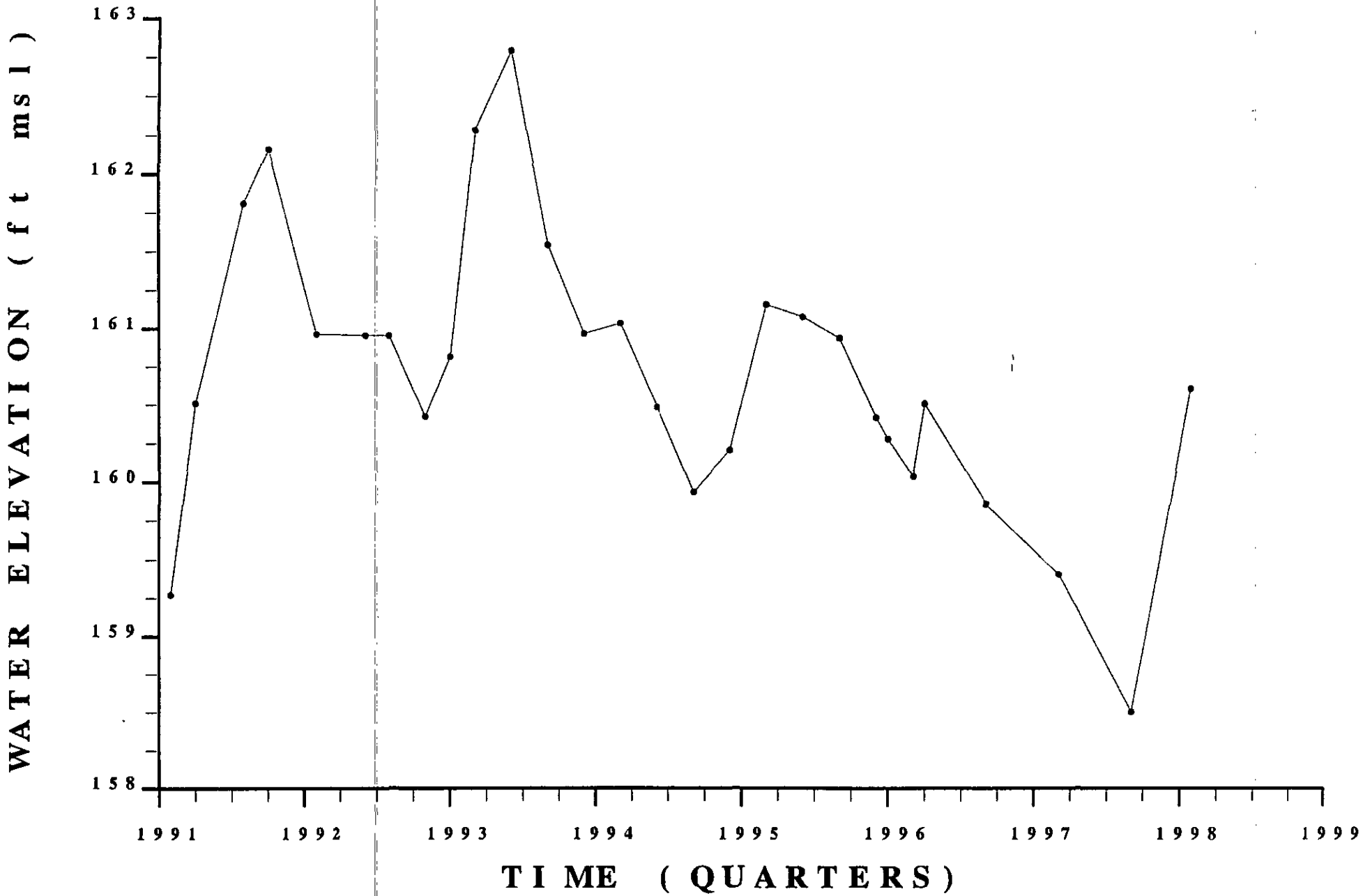
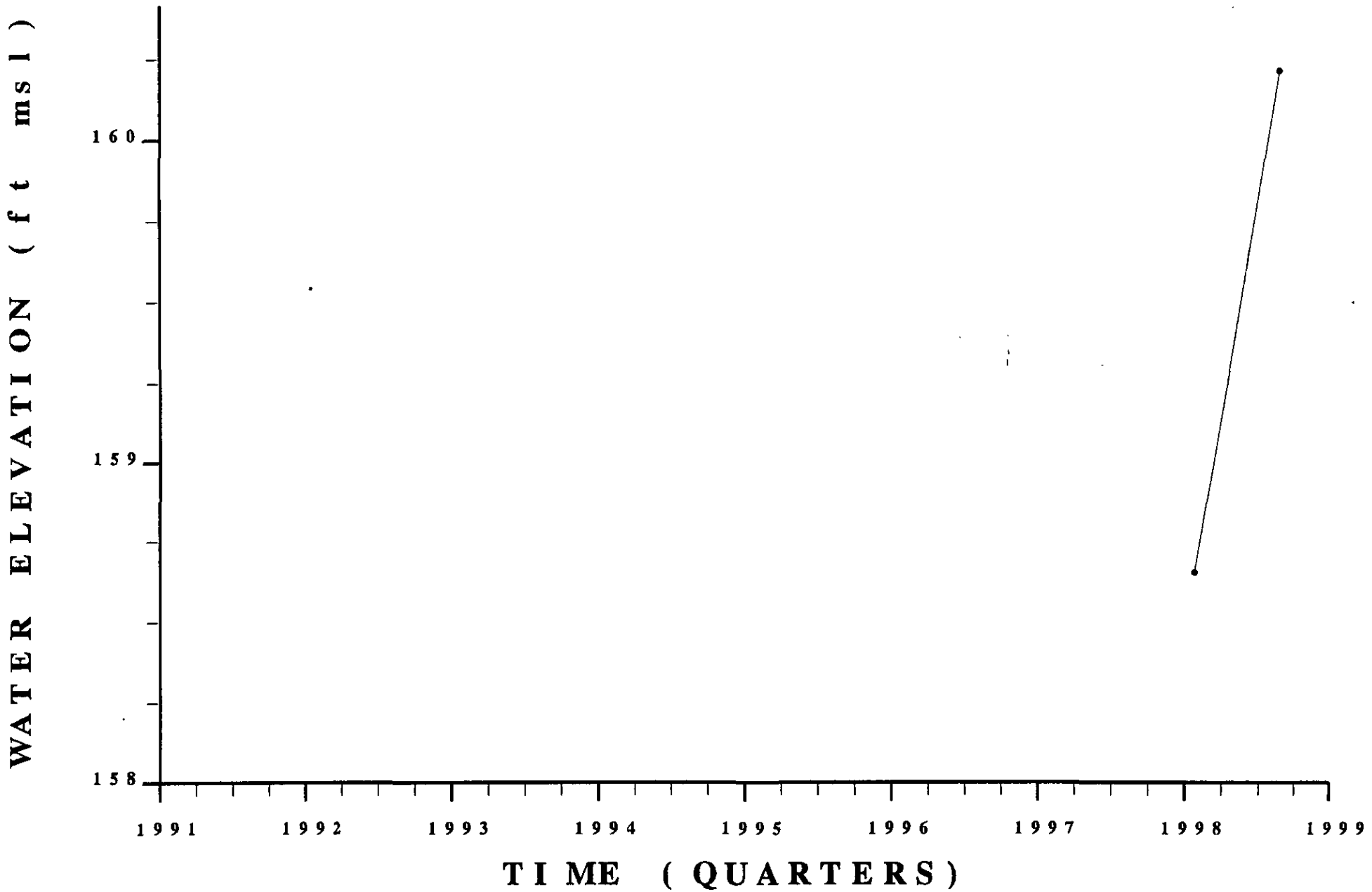
WELL LFW 31



HYDROGRAPH
WELL LFW 32



HYDROGRAPH
WELL LFW 32C



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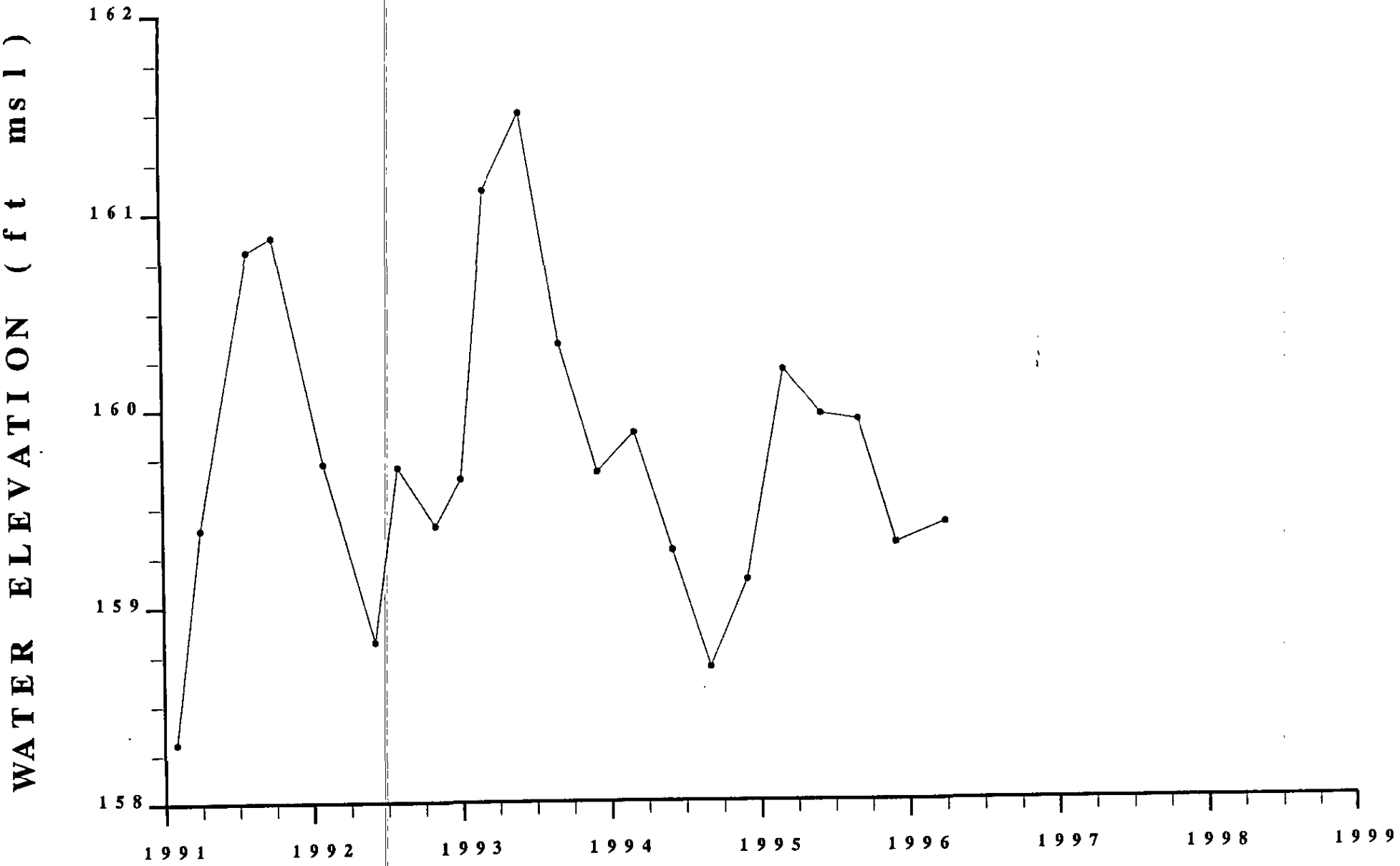
WELL LFW 33



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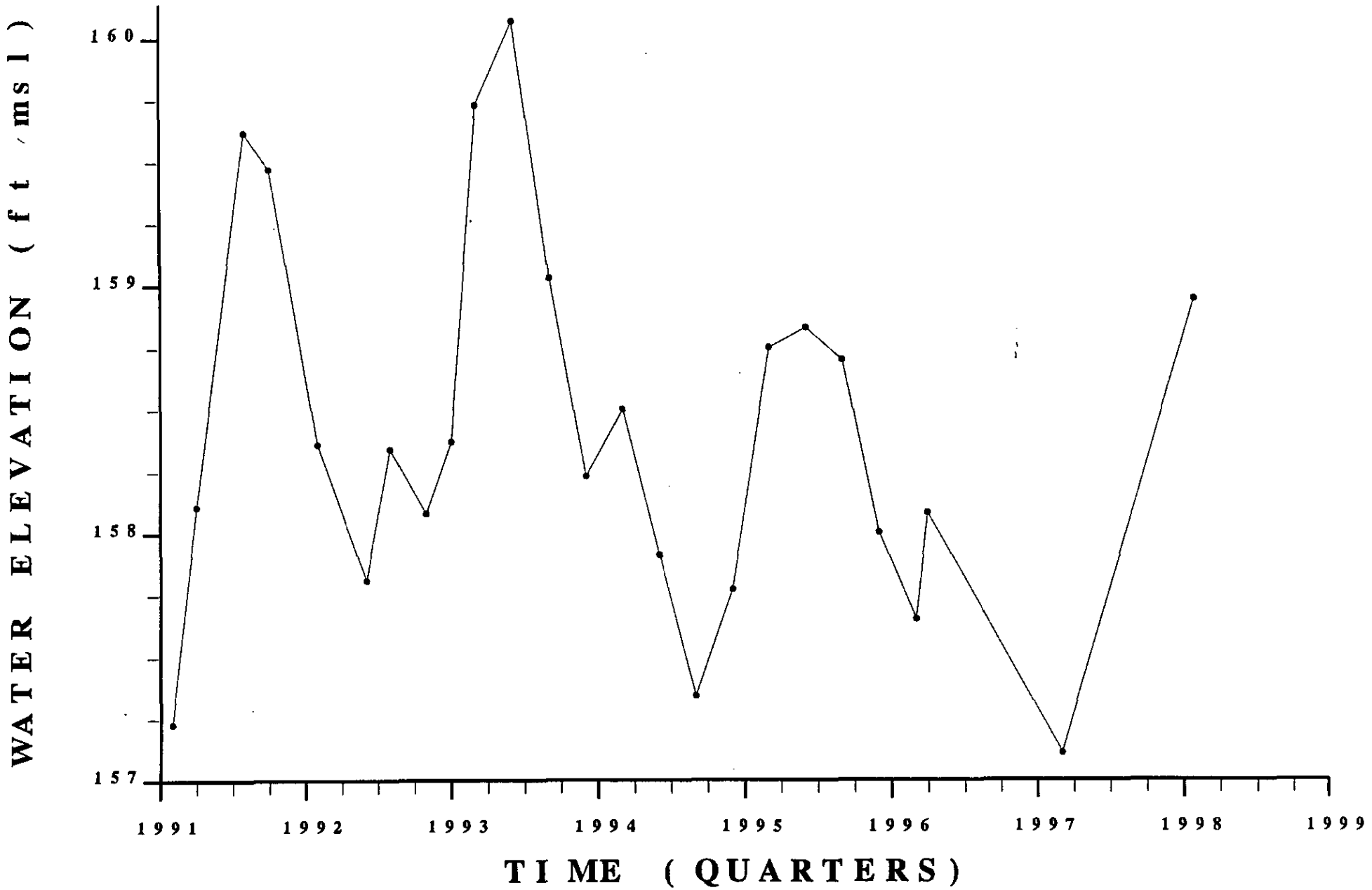
WELL LFW 34



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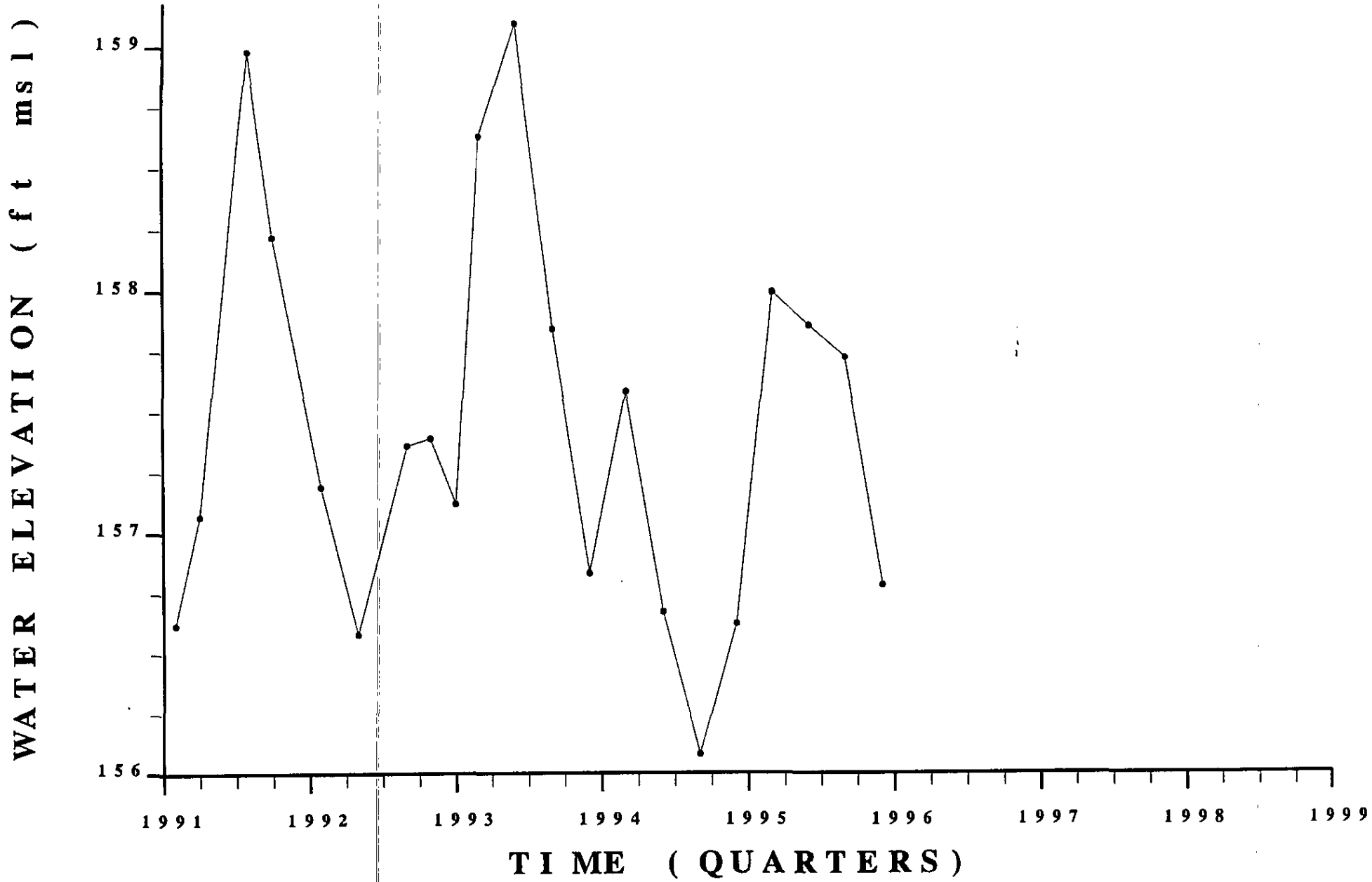
WELL LFW 35



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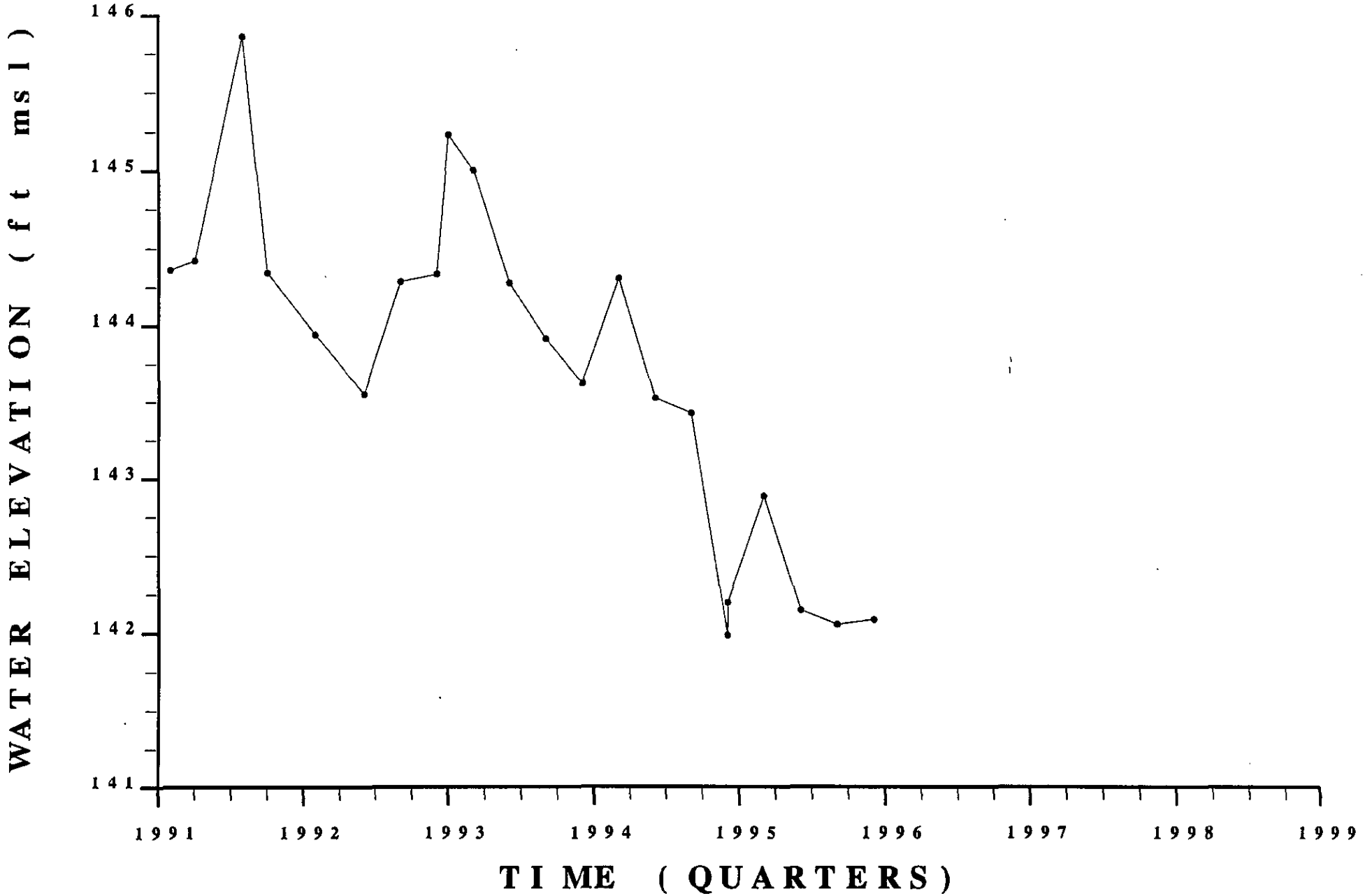
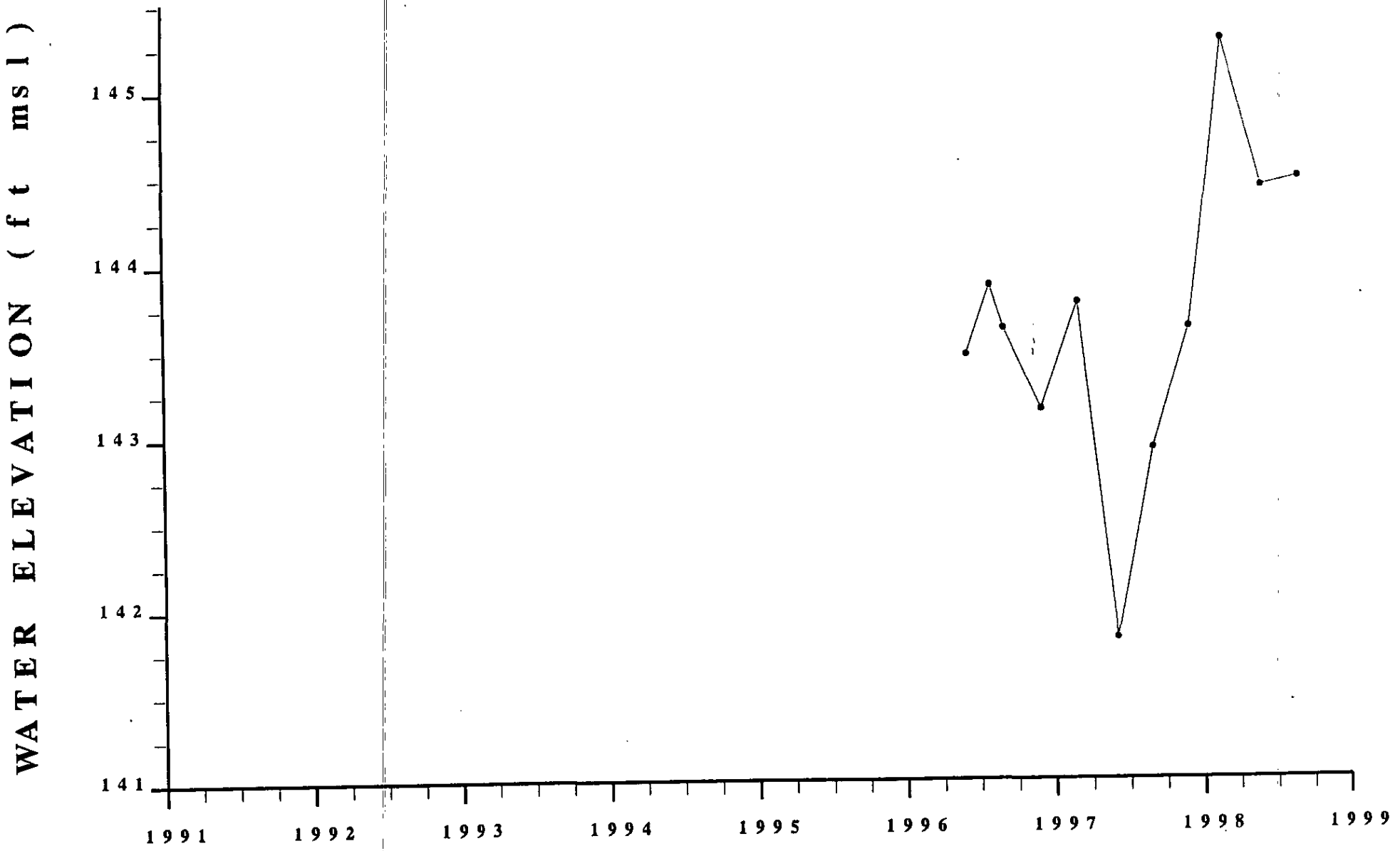
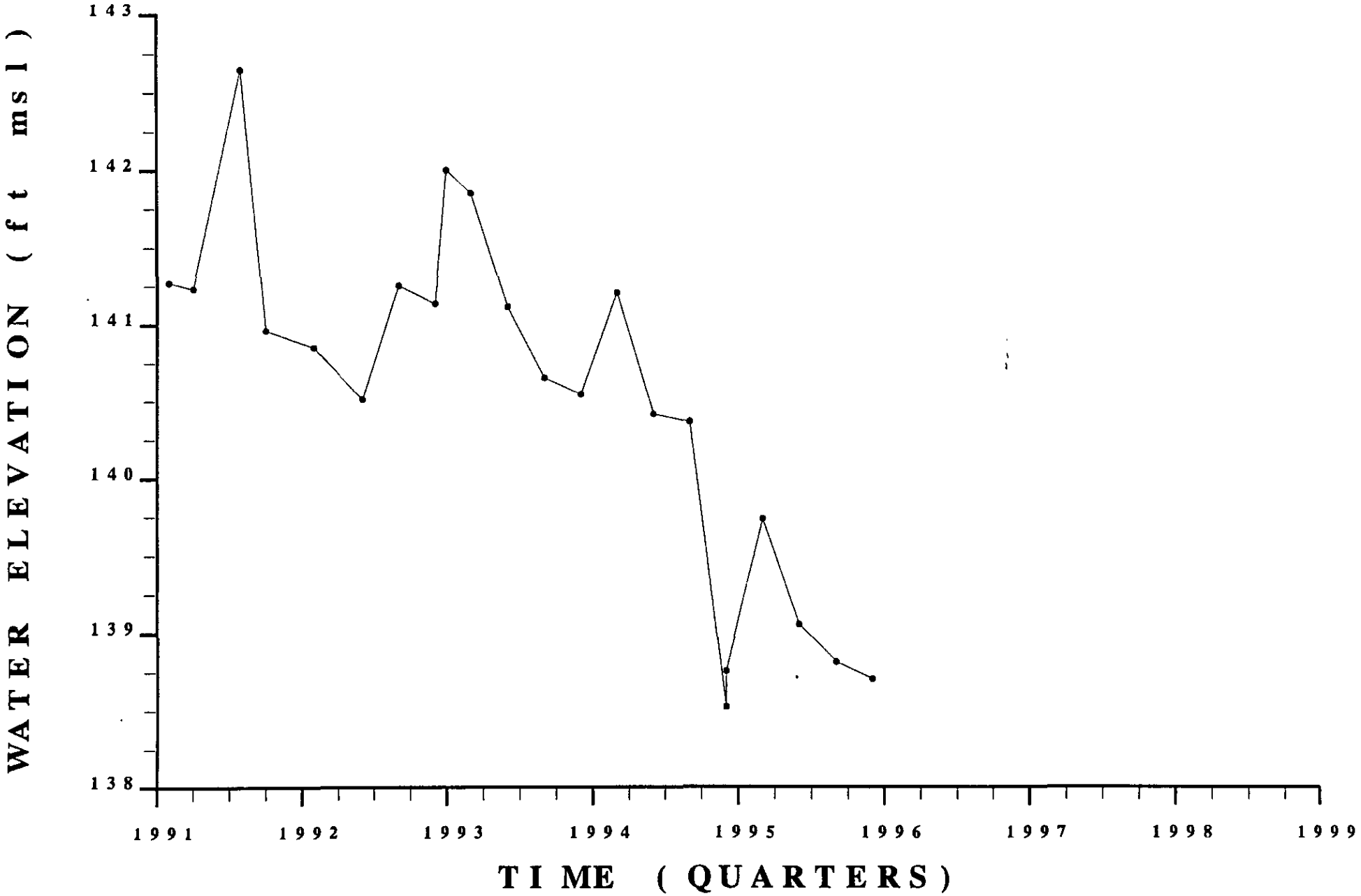
WELL LFW 36



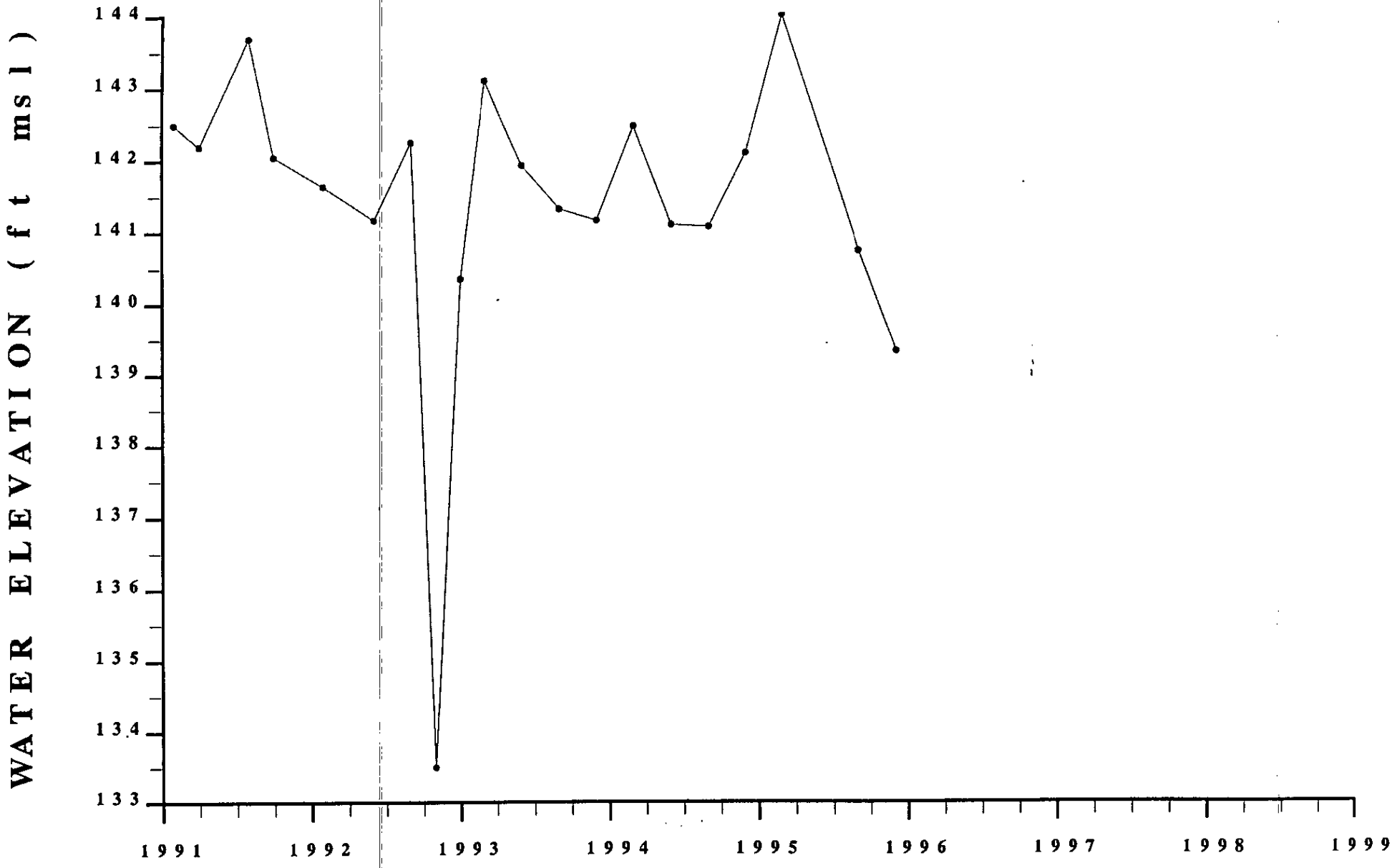
HYDROGRAPH
WELL LFW 36R



HYDROGRAPH
WELL LFW 37



HYDROGRAPH
WELL LFW 38



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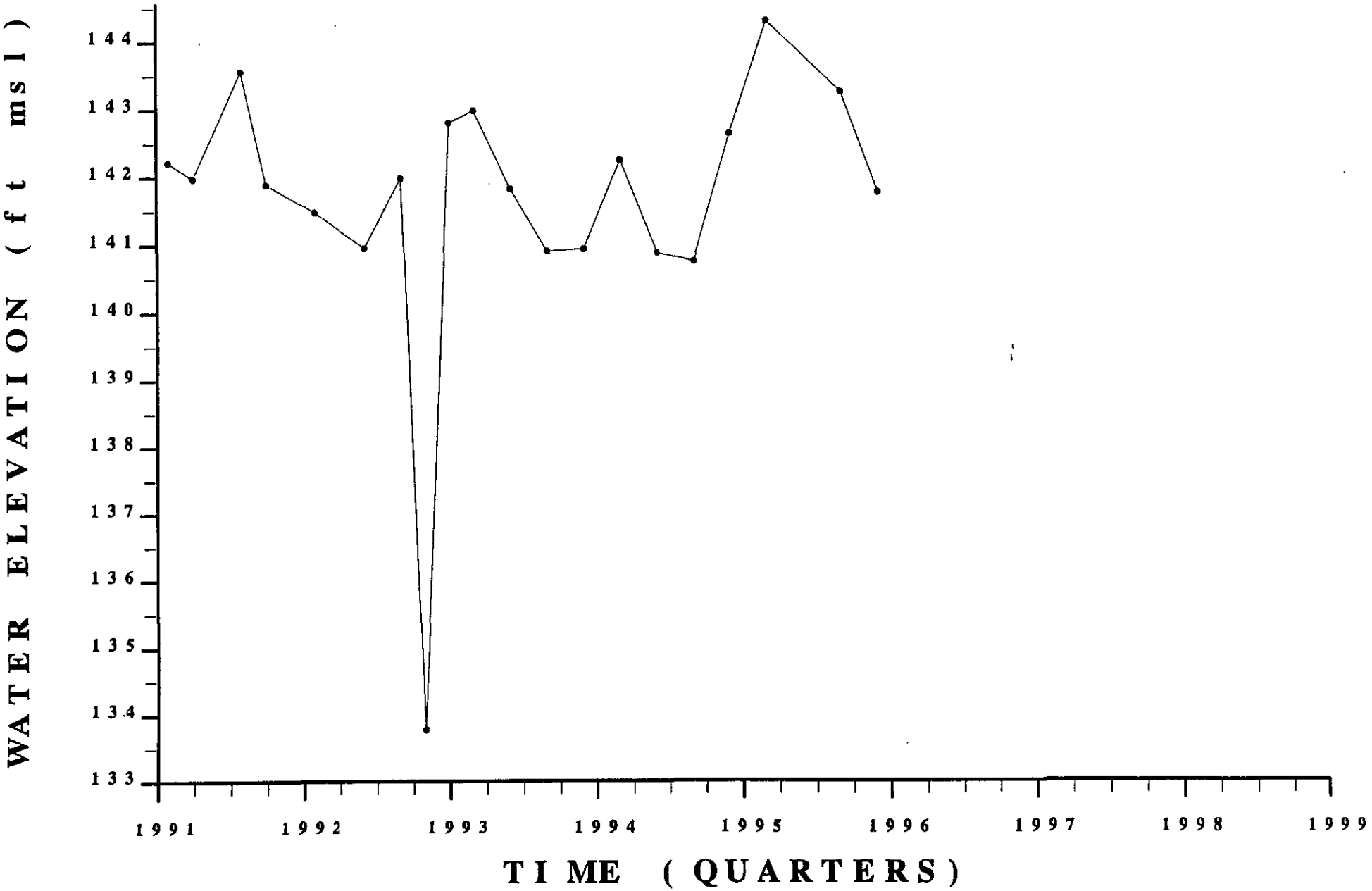
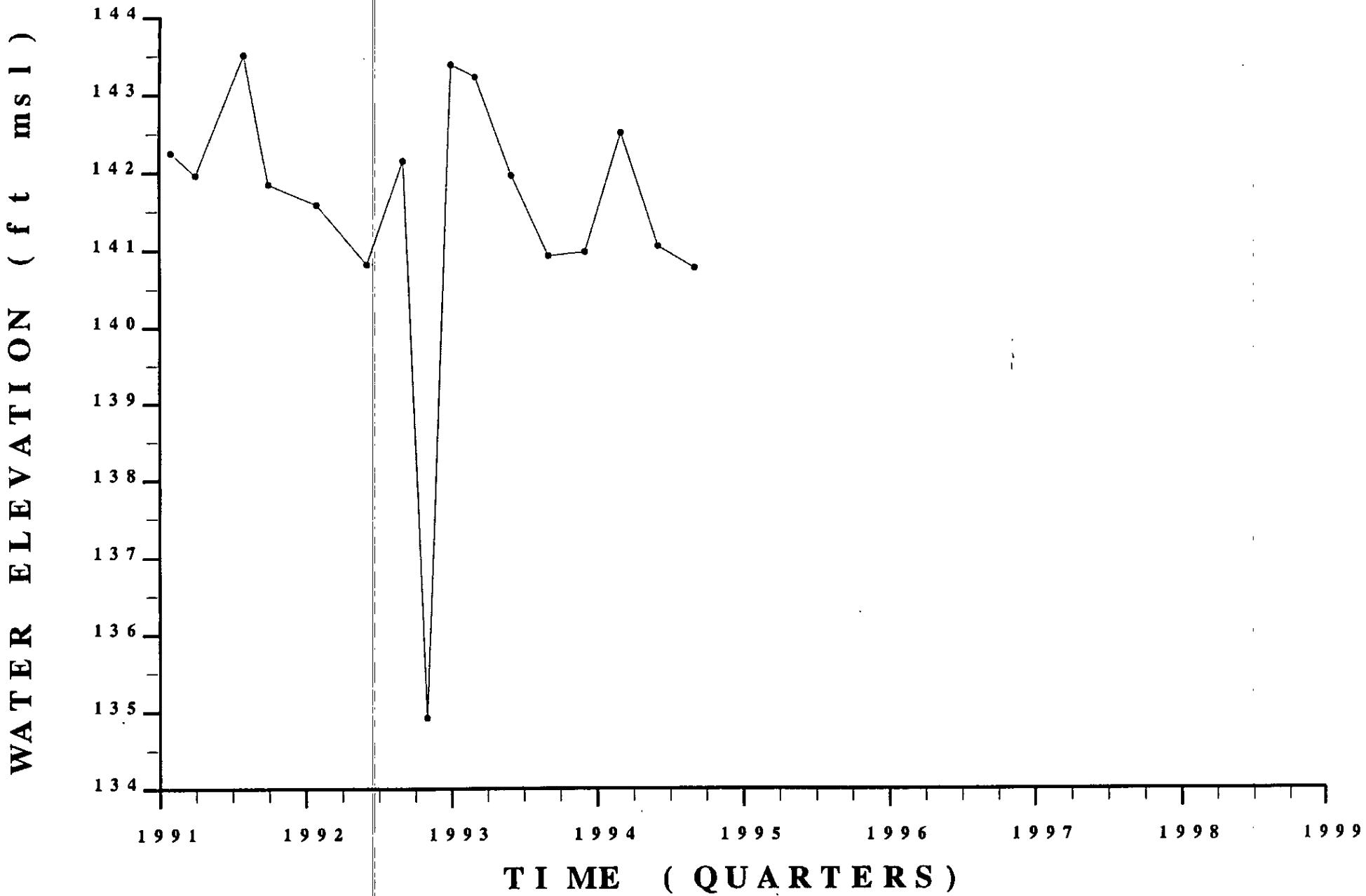
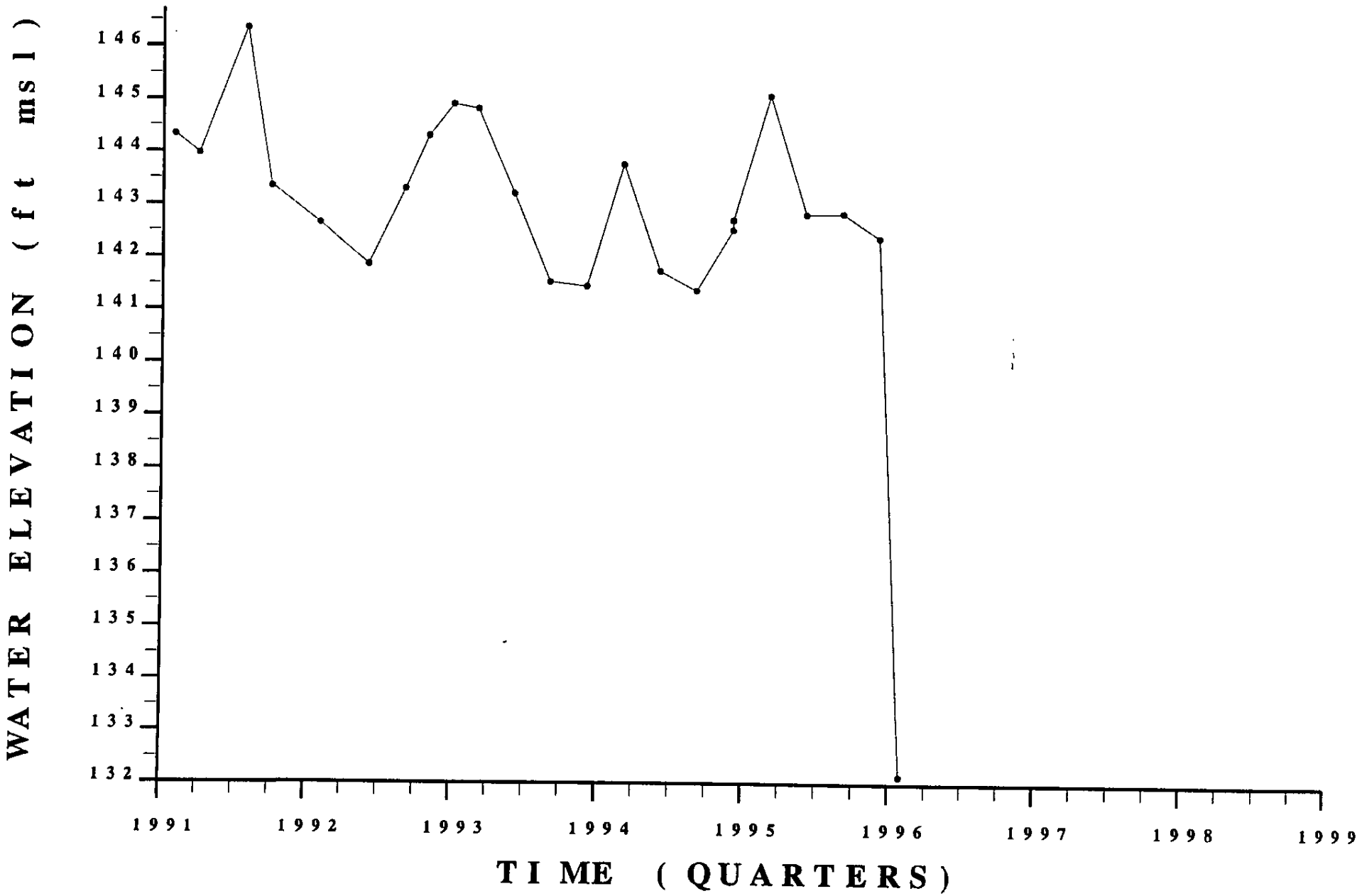
WELL LFW 39



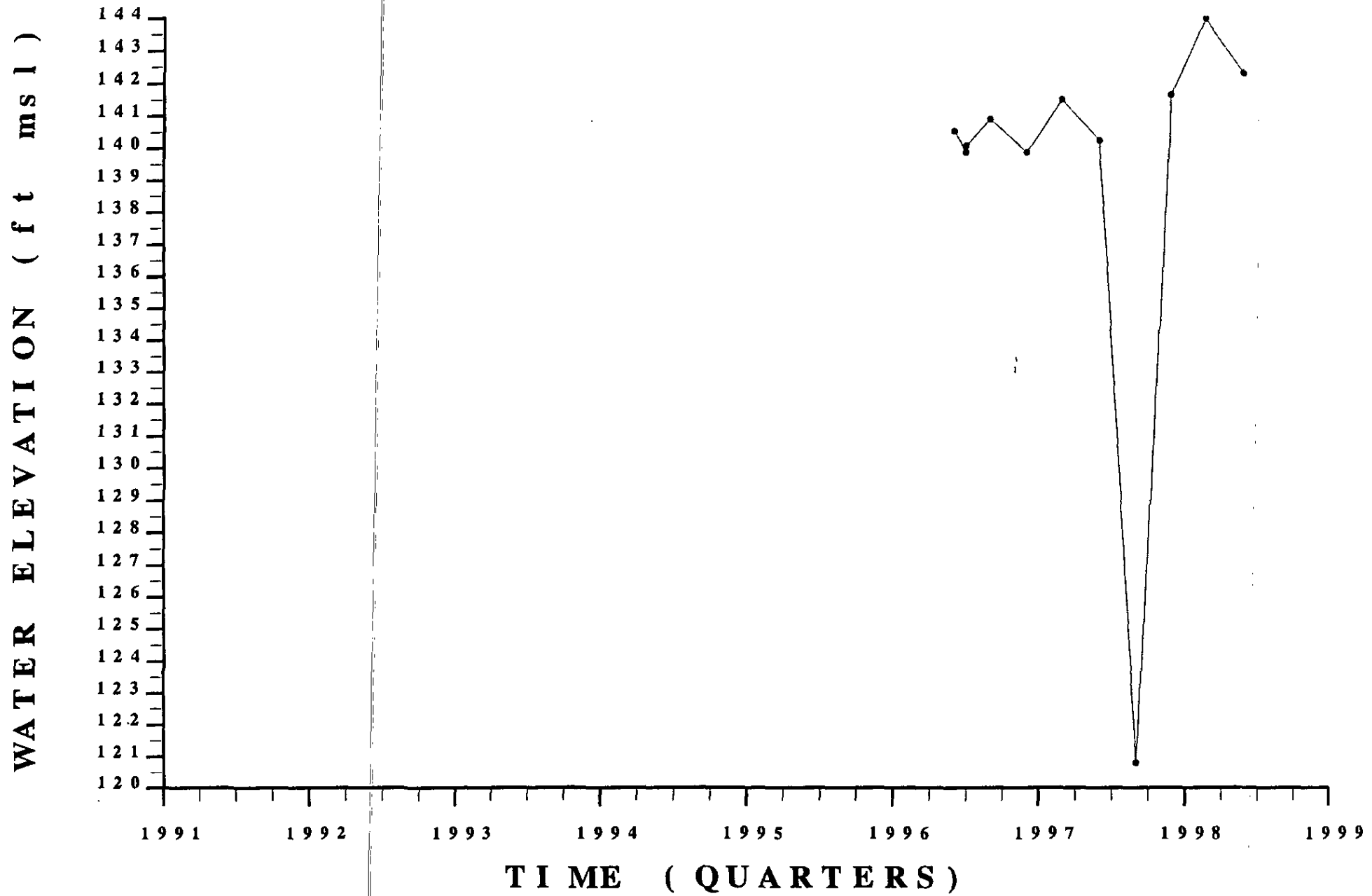
HYDROGRAPH
WELL LFW 40



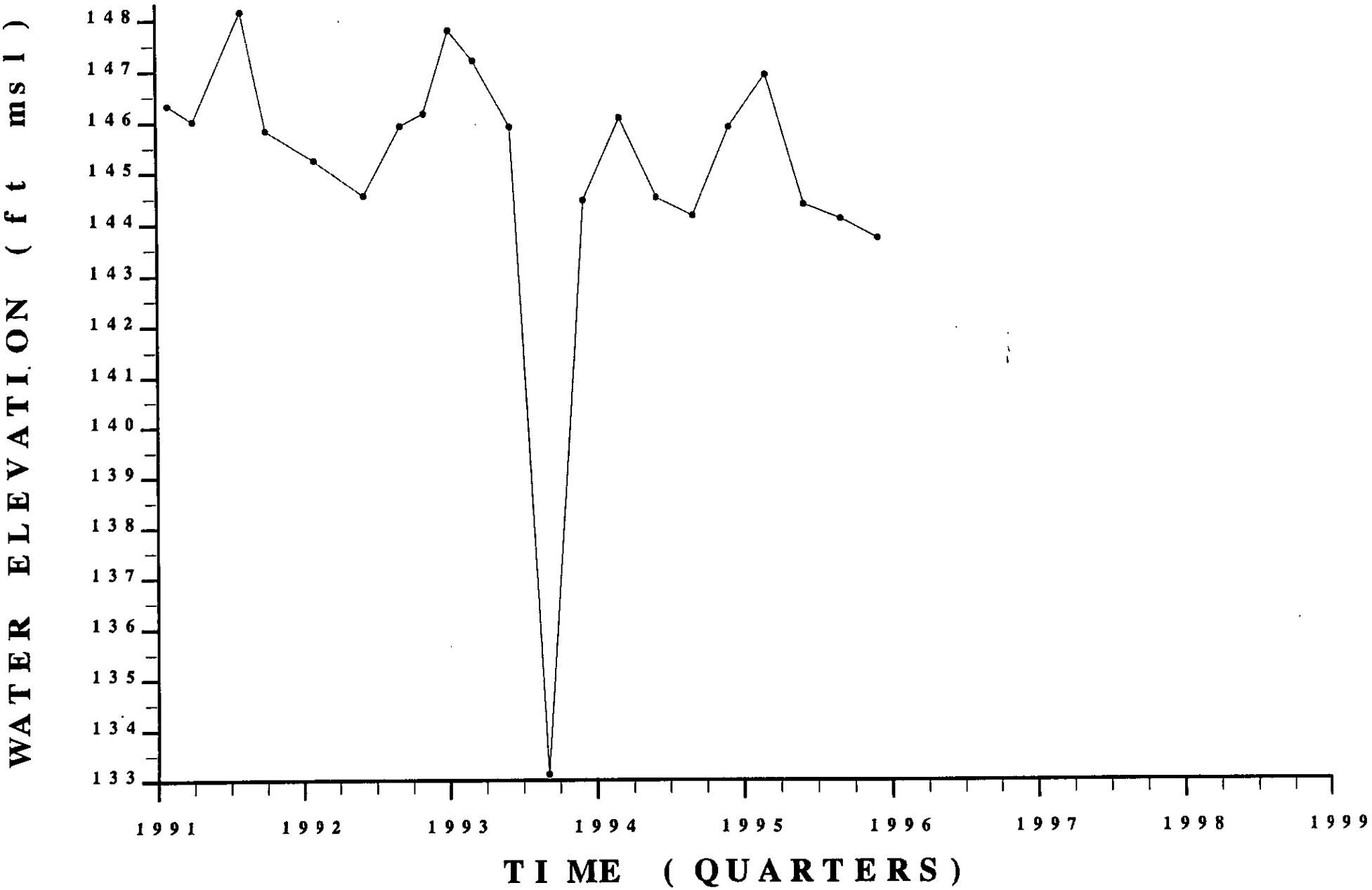
HYDROGRAPH
WELL LFW 41



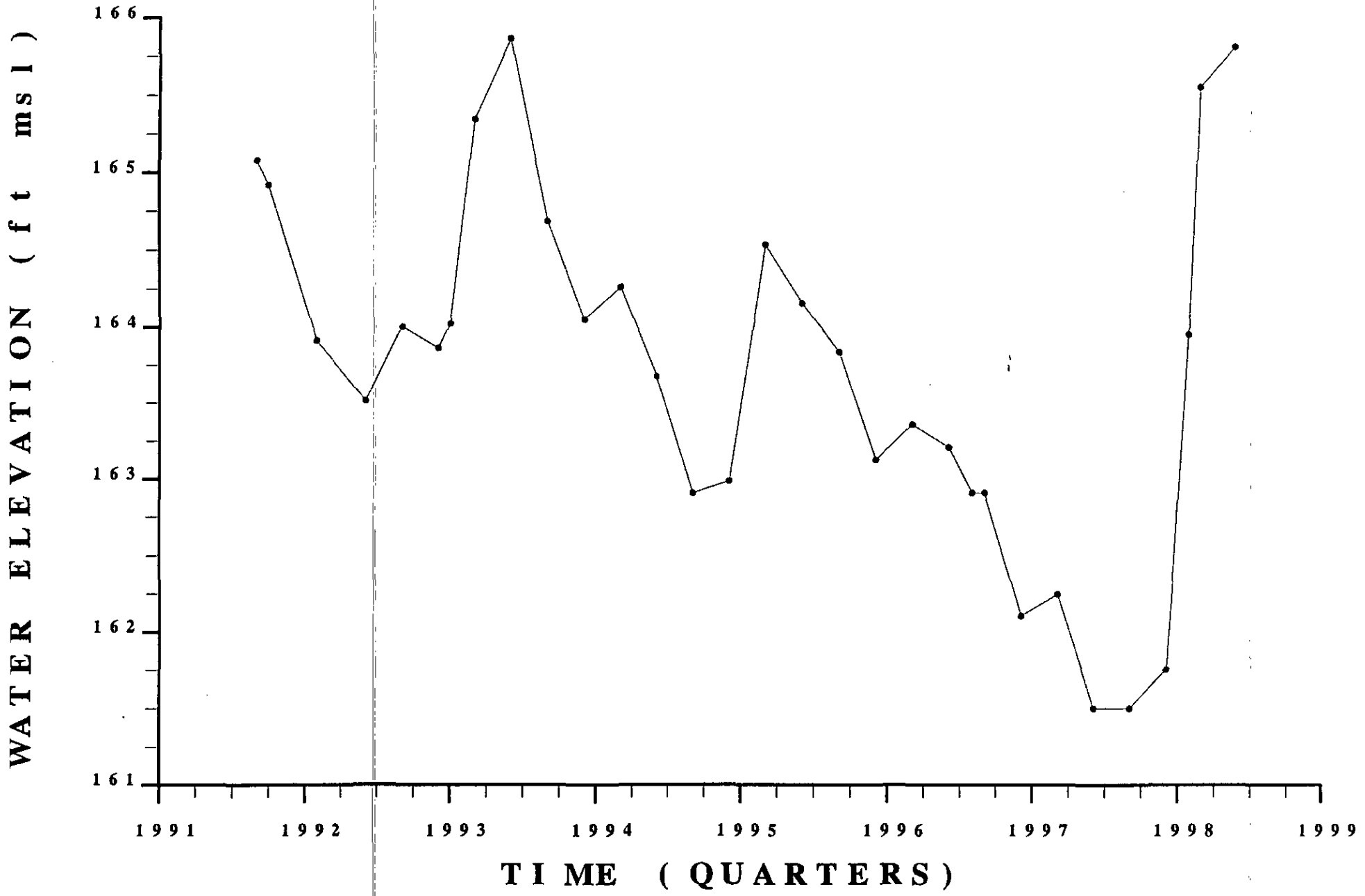
HYDROGRAPH
WELL LFW 41R



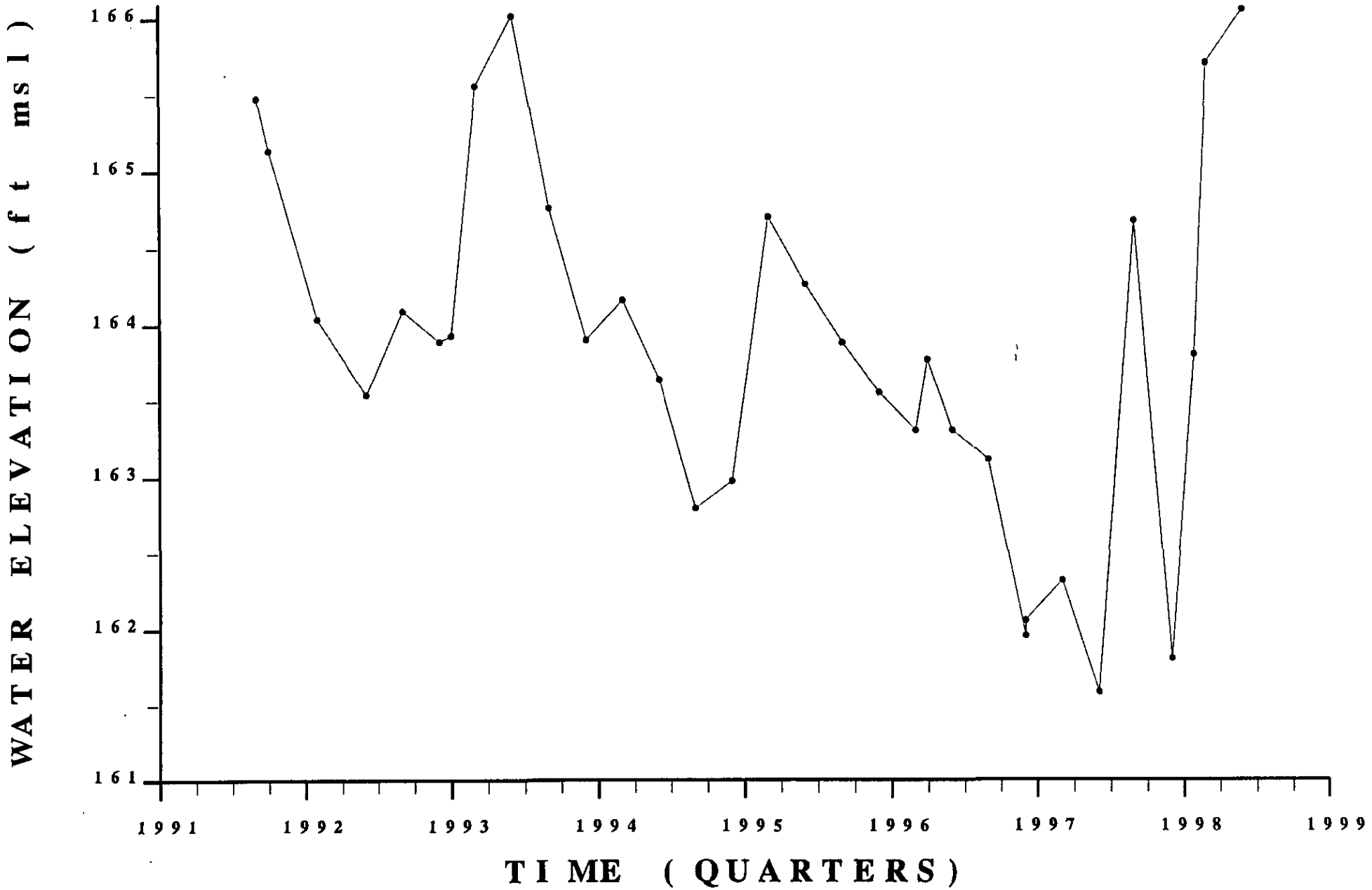
HYDROGRAPH
WELL LFW 42



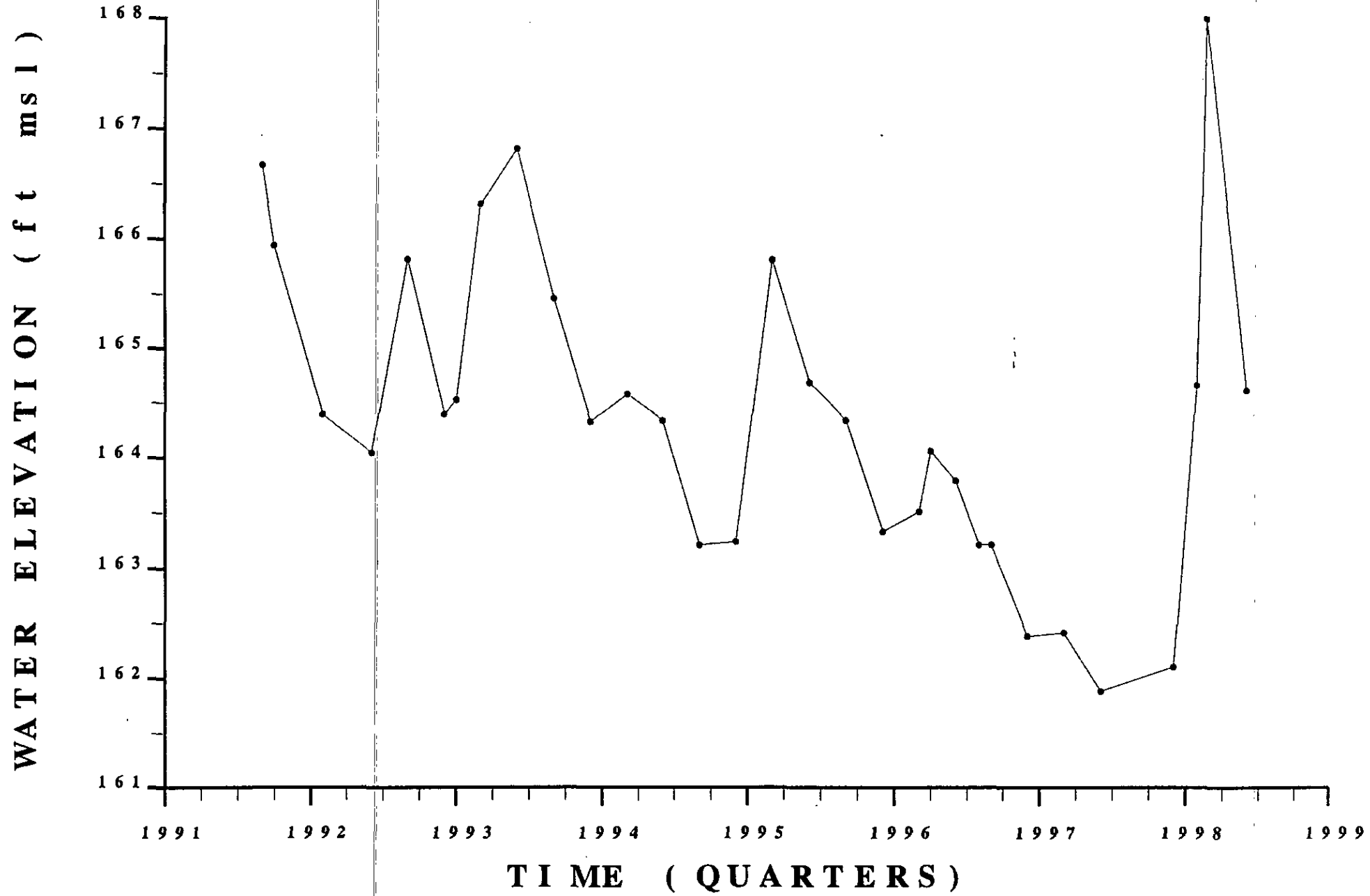
HYDROGRAPH
WELL LFW 43B



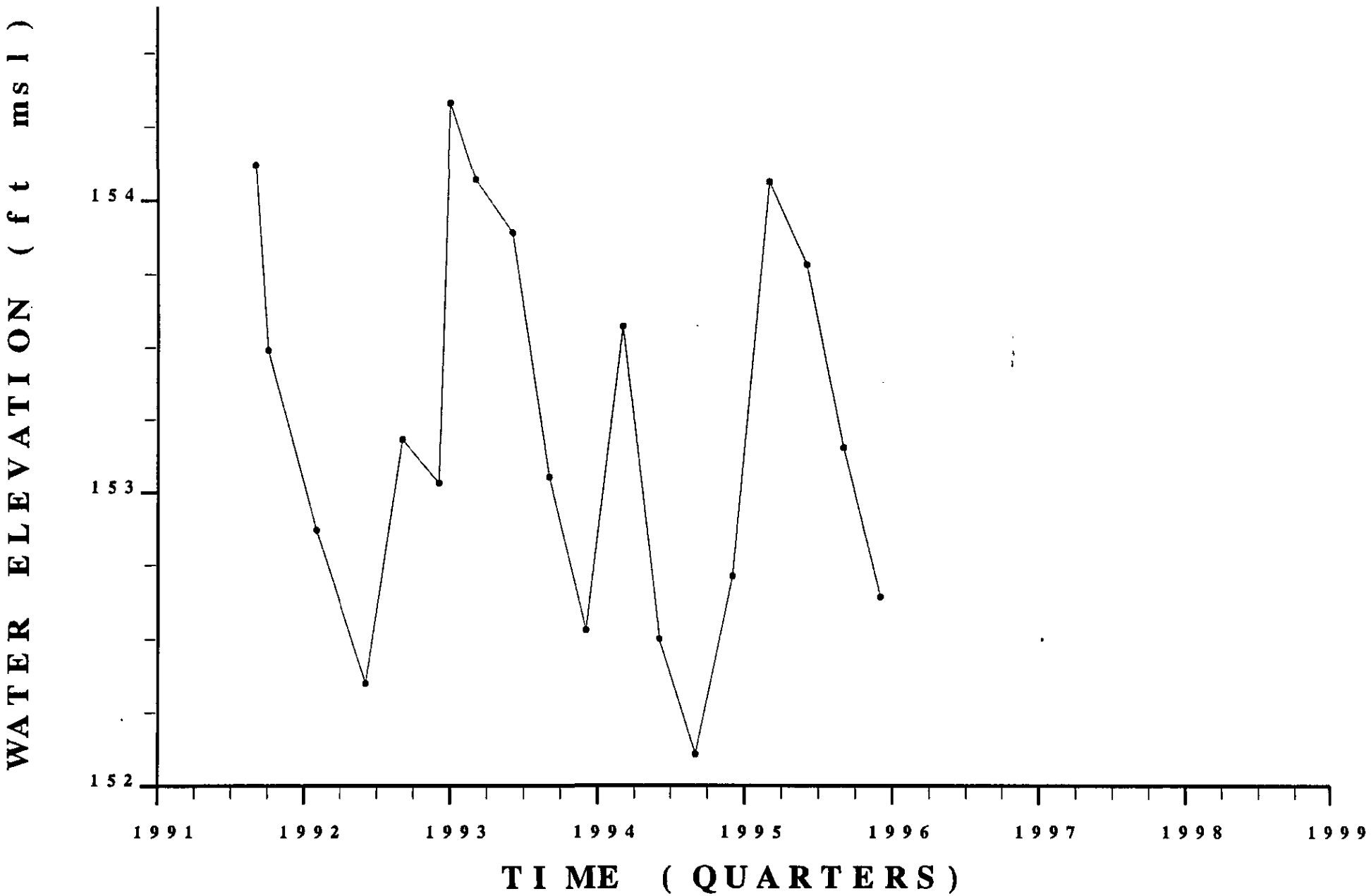
HYDROGRAPH
WELL LFW 43C



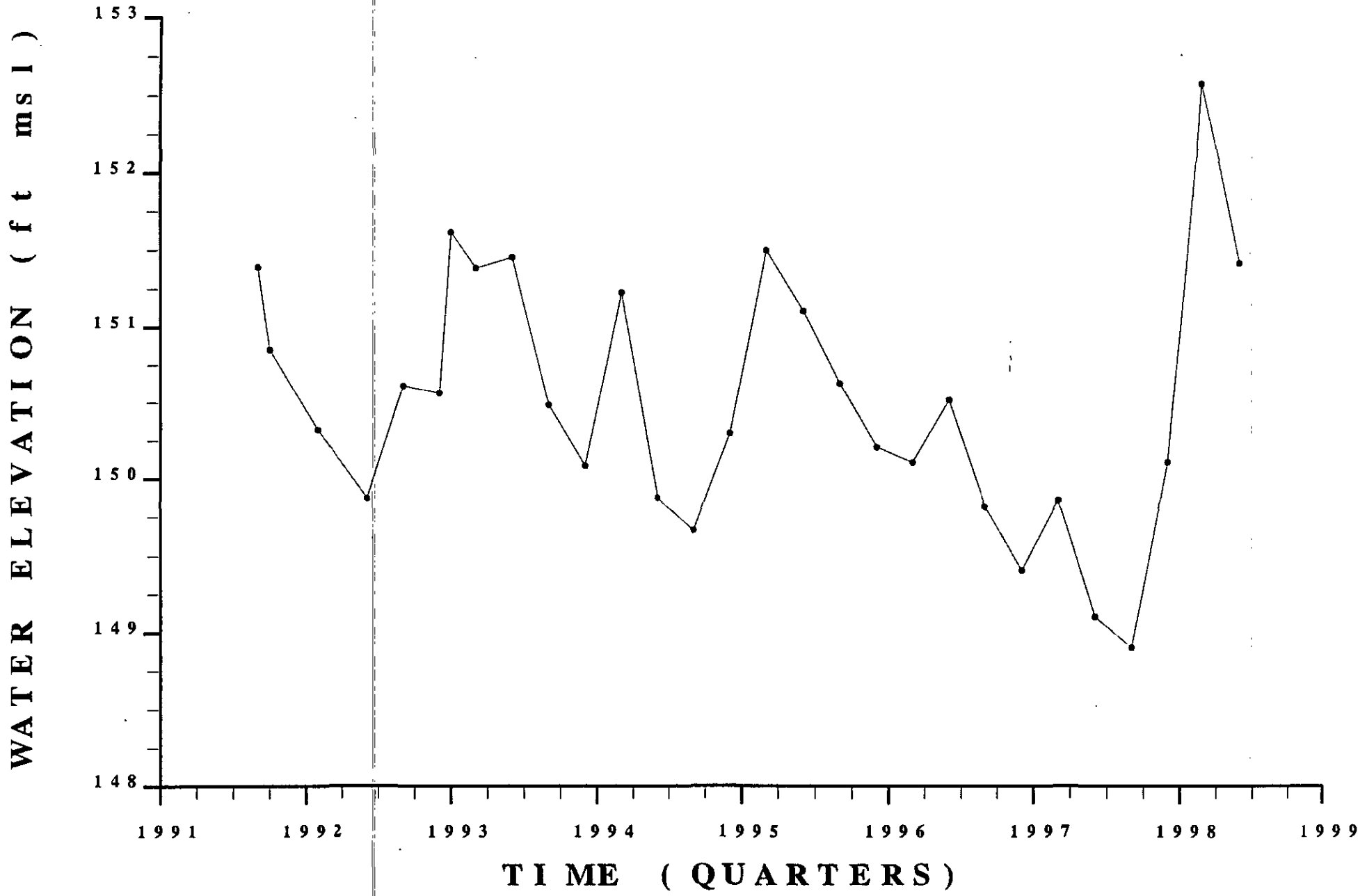
HYDROGRAPH
WELL LFW 43D



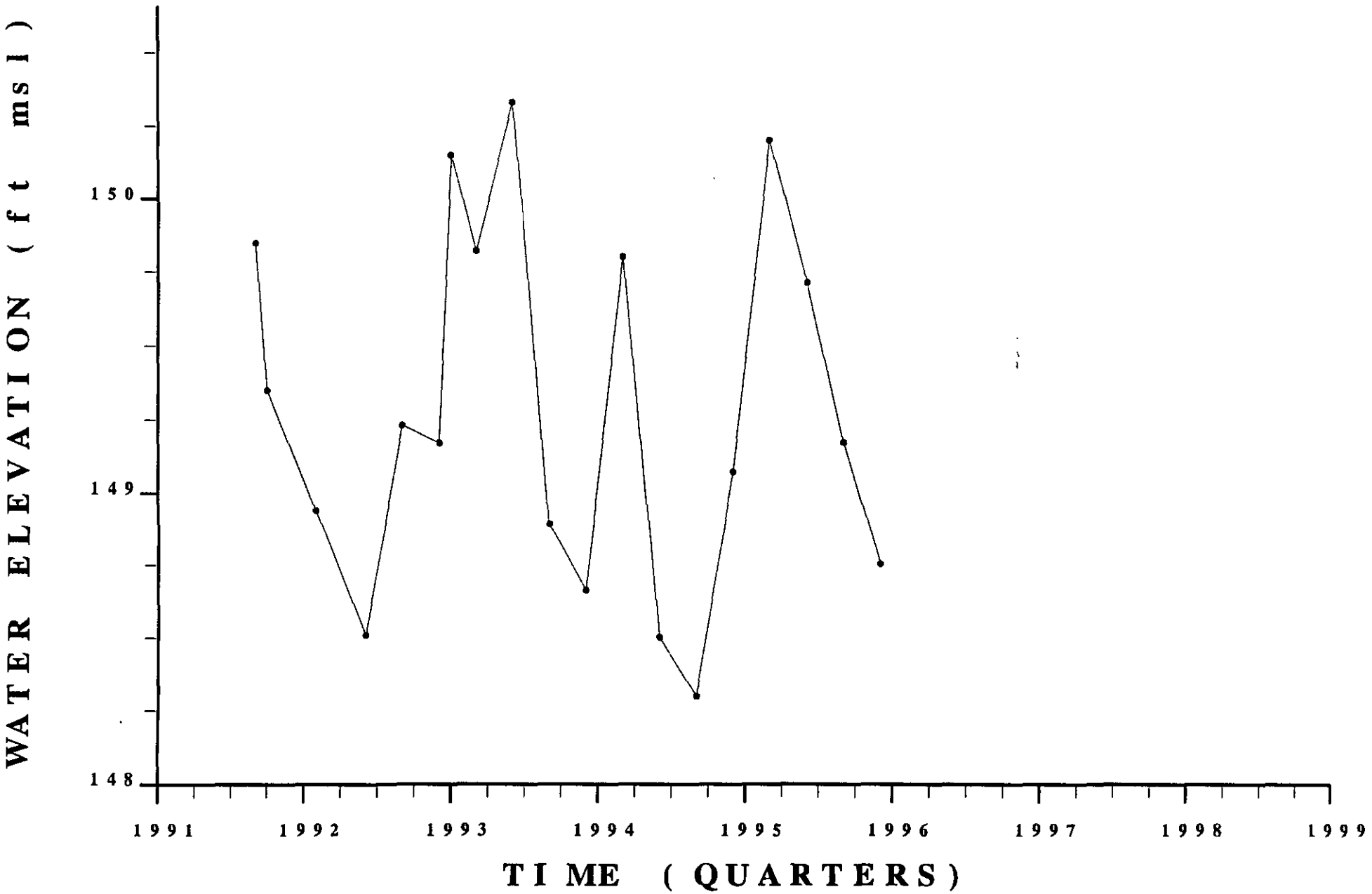
HYDROGRAPH
WELL LFW 44D



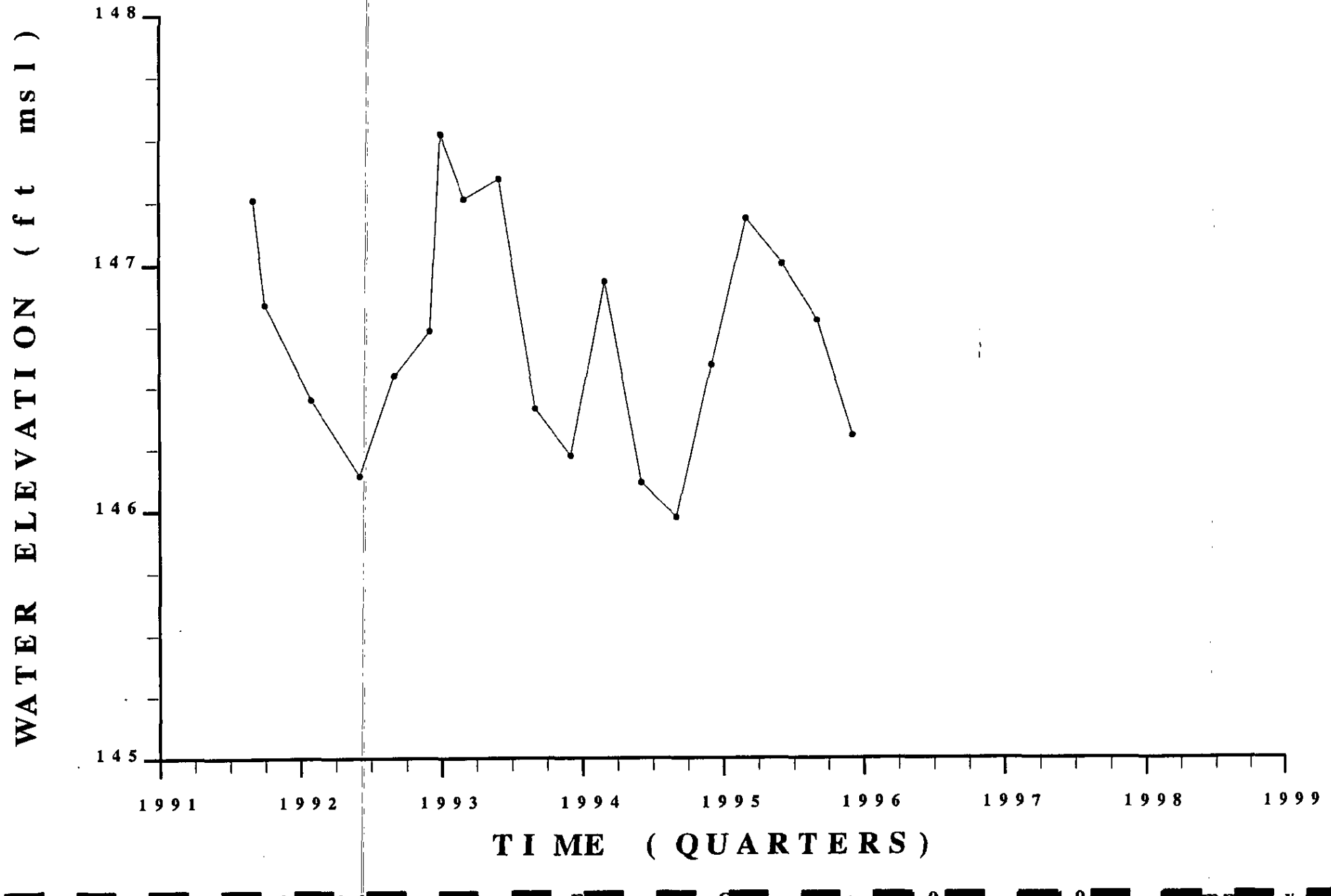
HYDROGRAPH
WELL LFW 45D



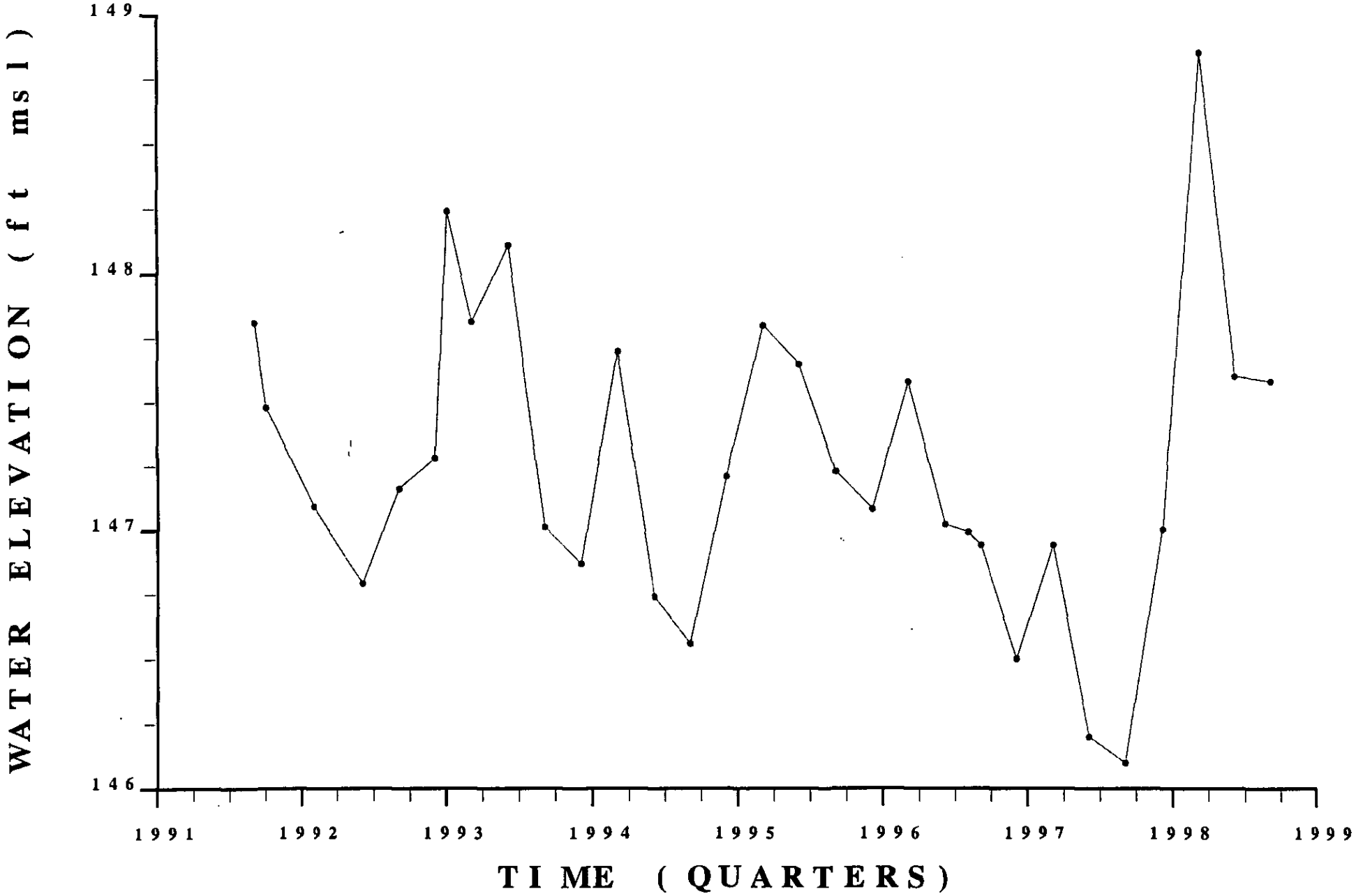
HYDROGRAPH
WELL LFW 46D



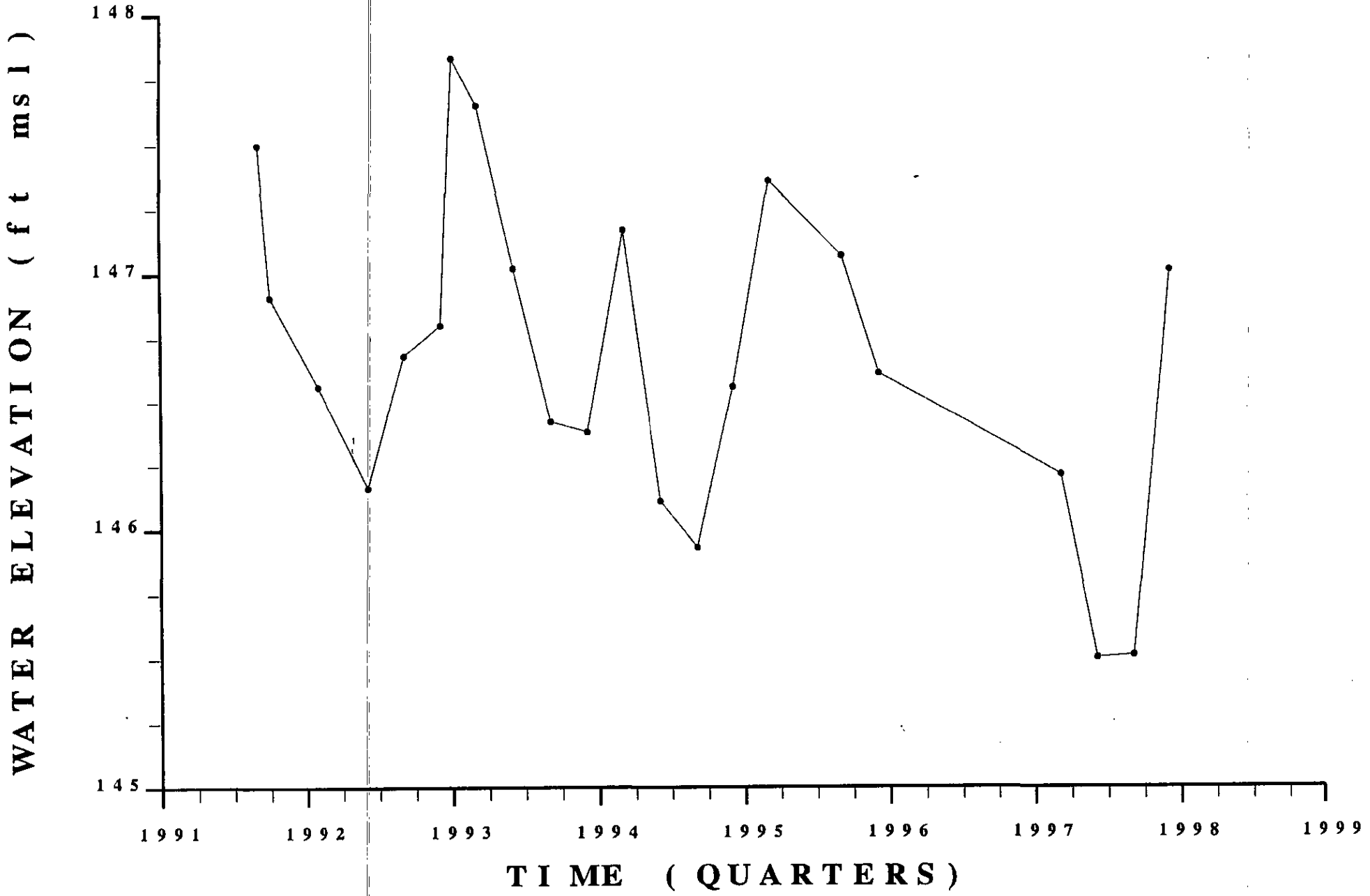
HYDROGRAPH
WELL LFW 47C



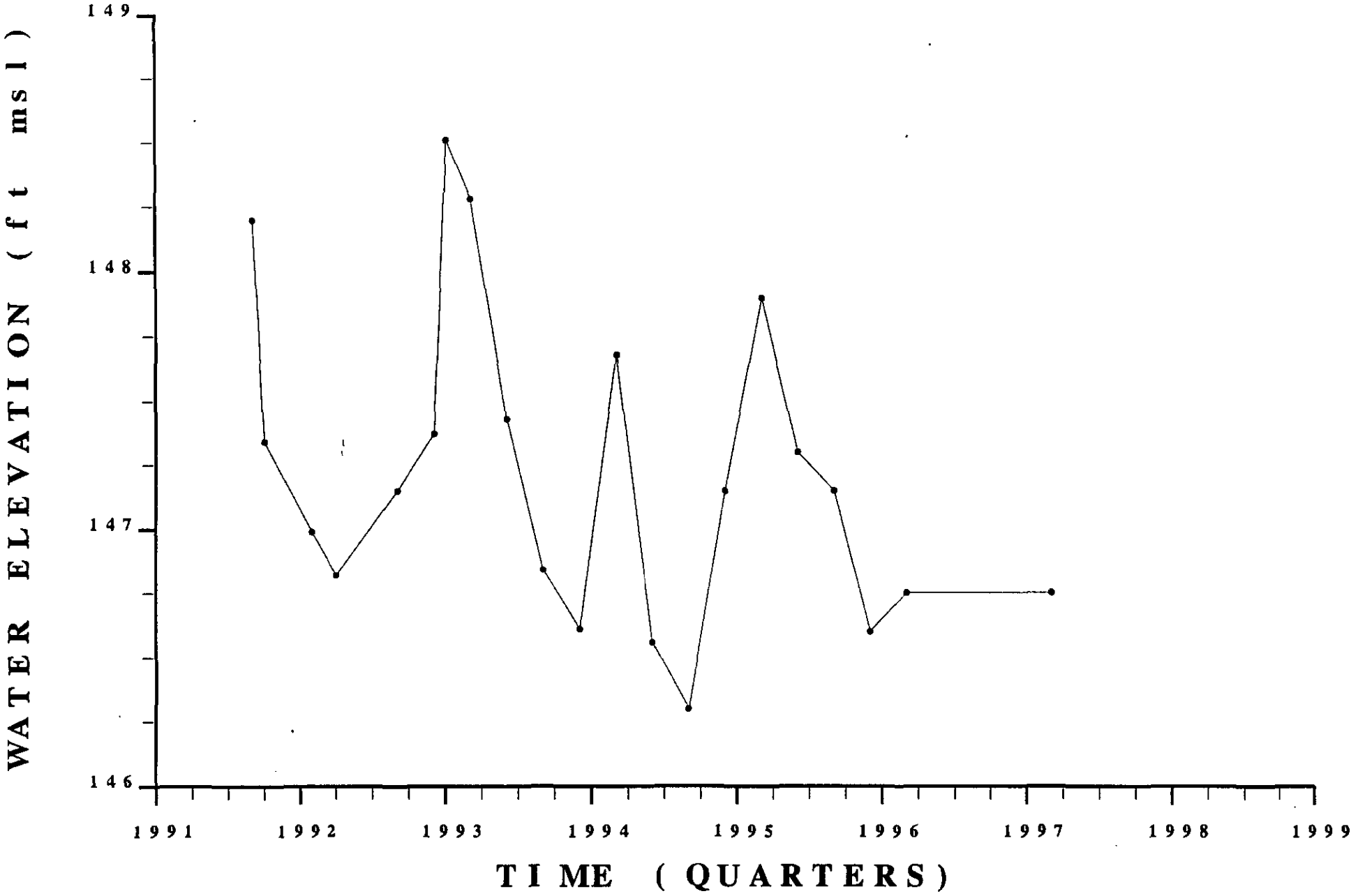
HYDROGRAPH
WELL LFW 47D



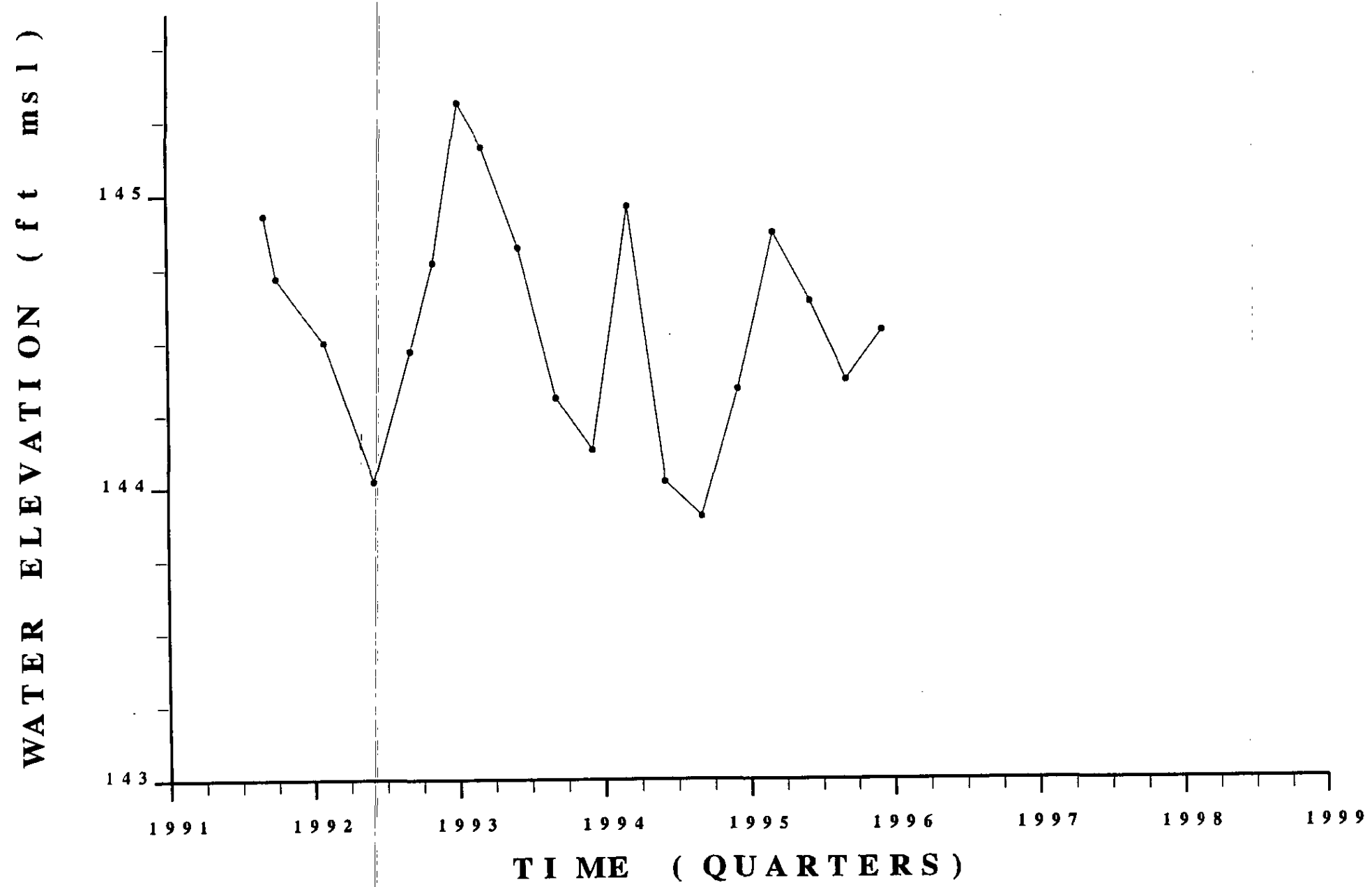
HYDROGRAPH
WELL LFW 48C



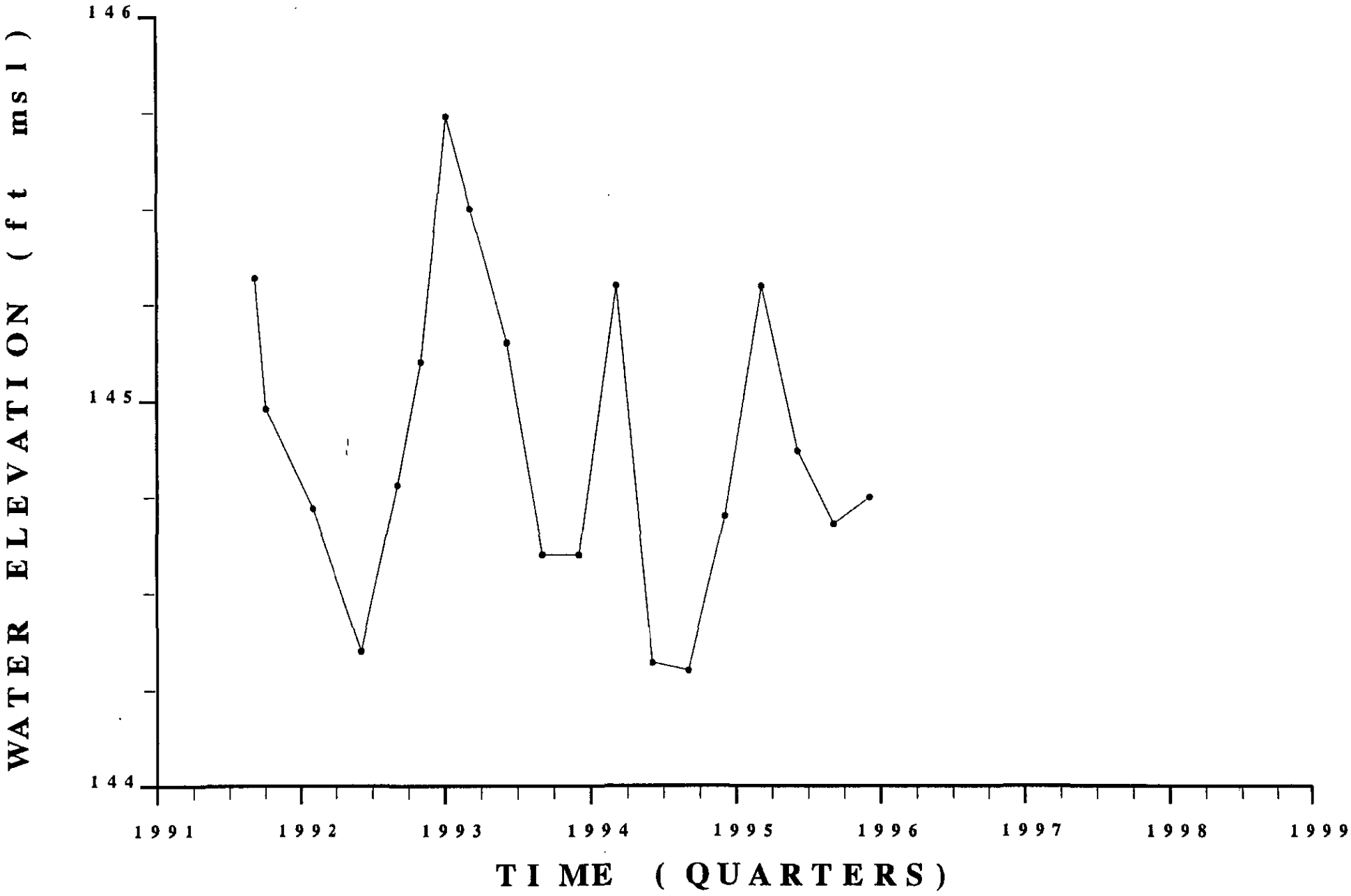
HYDROGRAPH
WELL LFW 48D



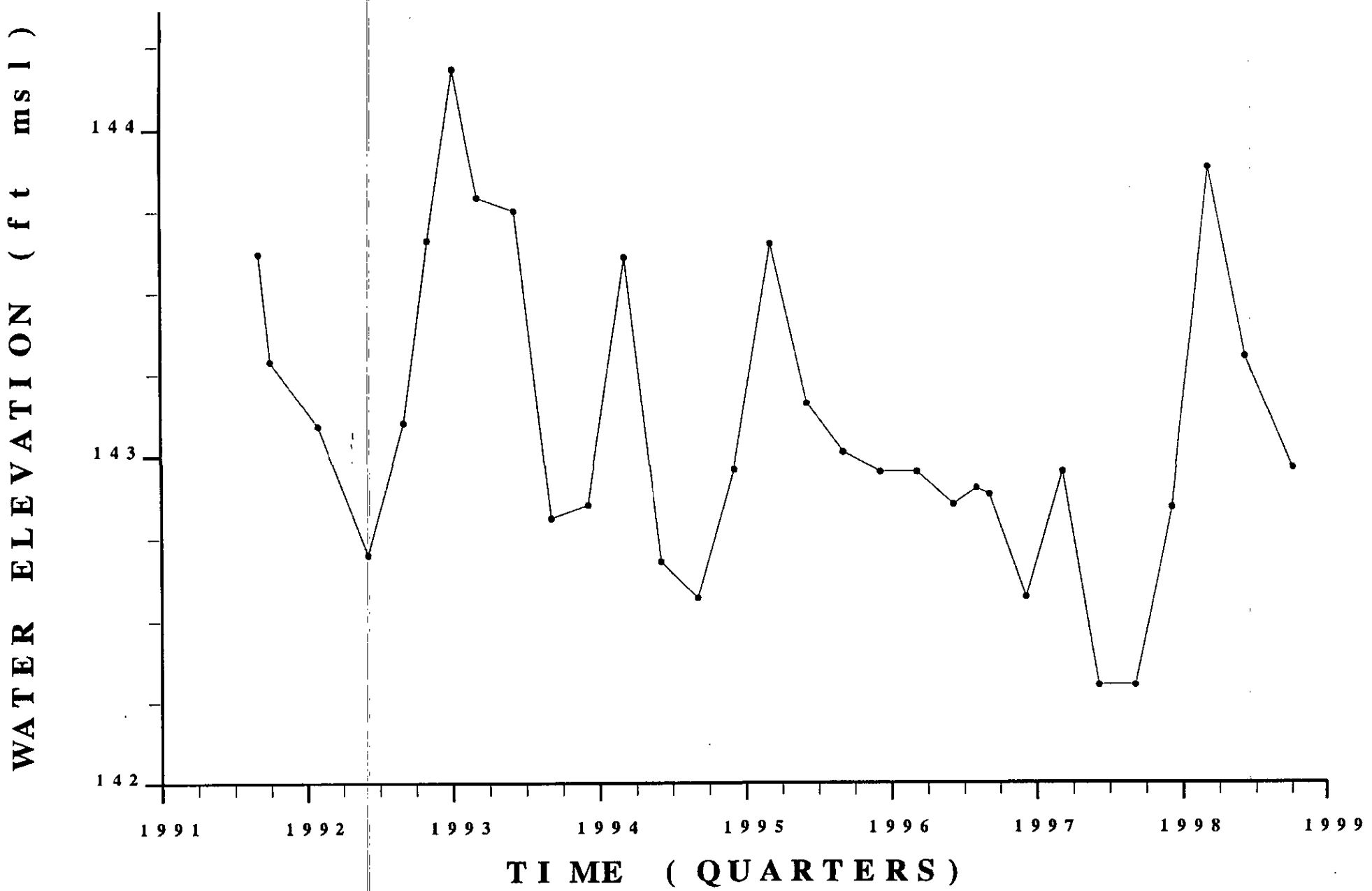
HYDROGRAPH
WELL LFW 55C



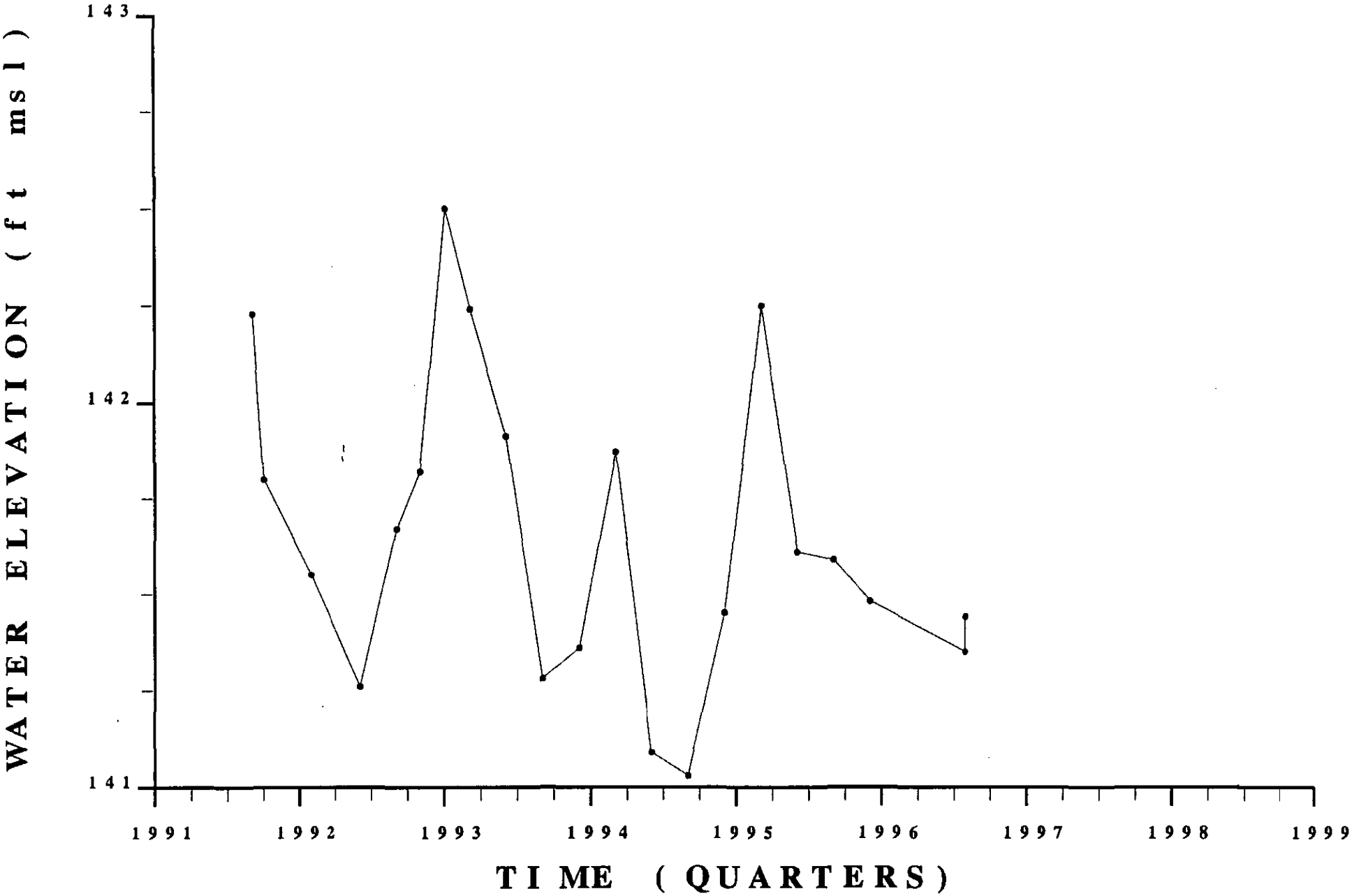
HYDROGRAPH
WELL LFW 55D



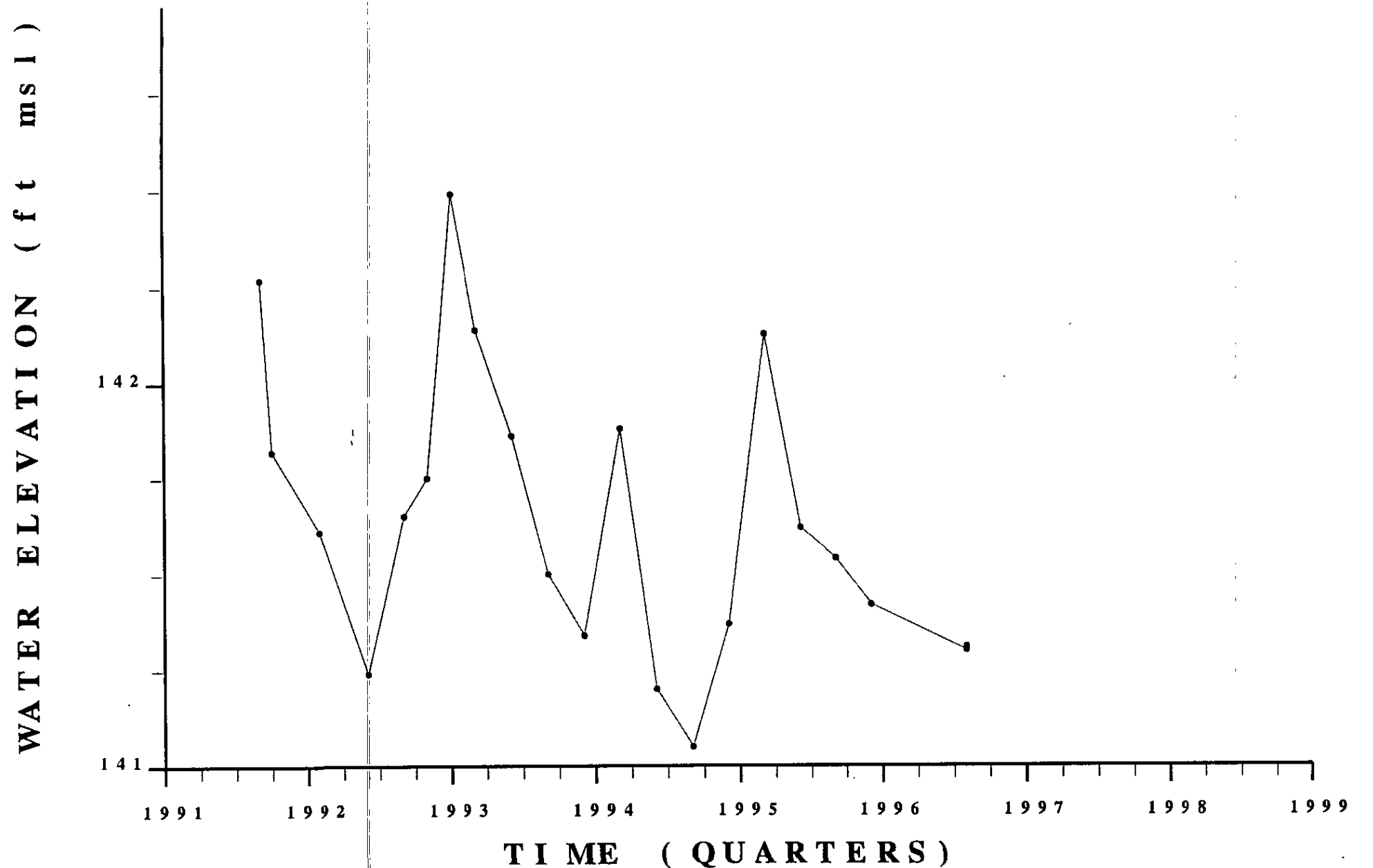
HYDROGRAPH
WELL LFW 56D



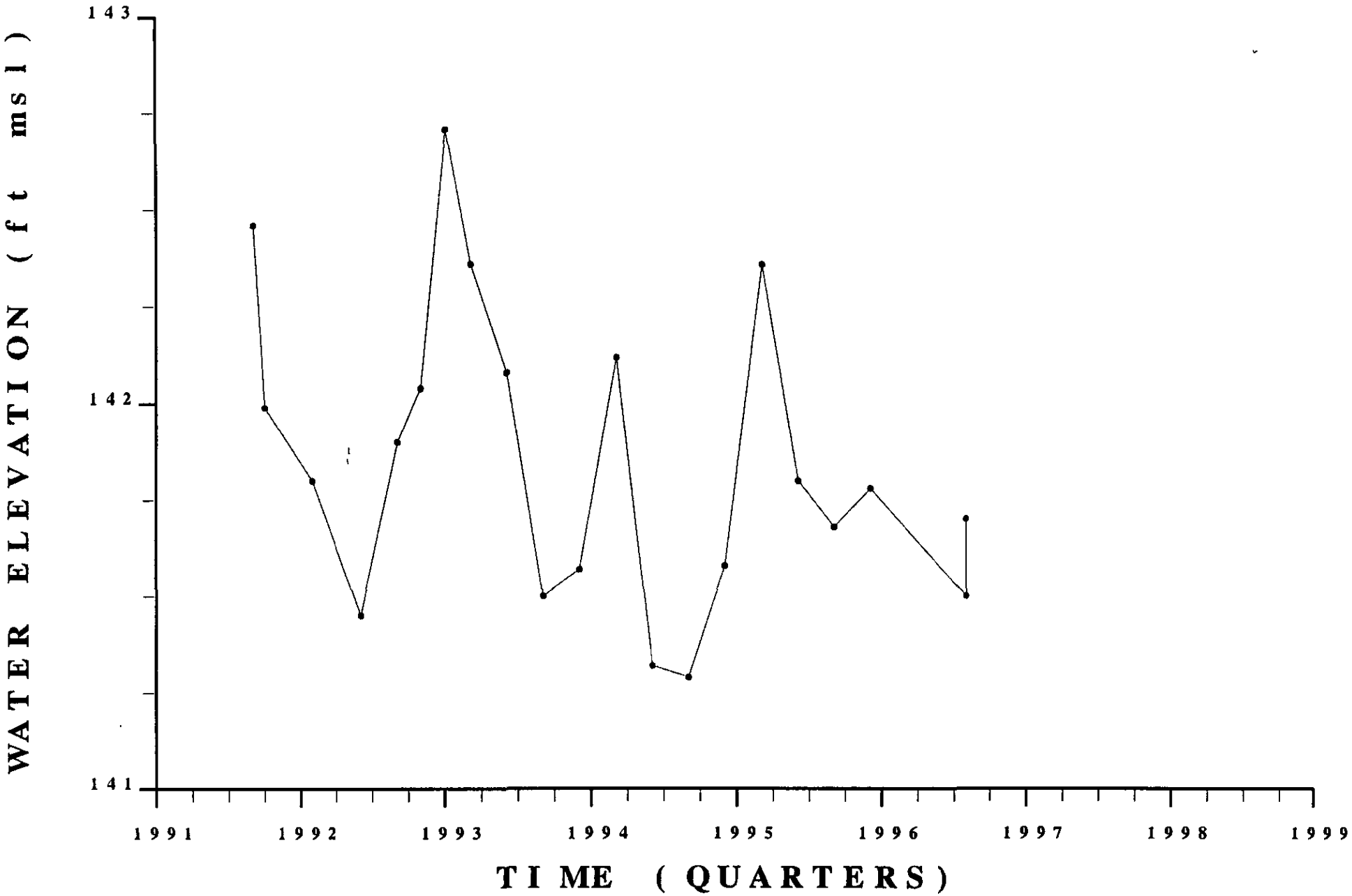
HYDROGRAPH
WELL LFW 57B



HYDROGRAPH
WELL LFW 57C



HYDROGRAPH
WELL LFW 57D



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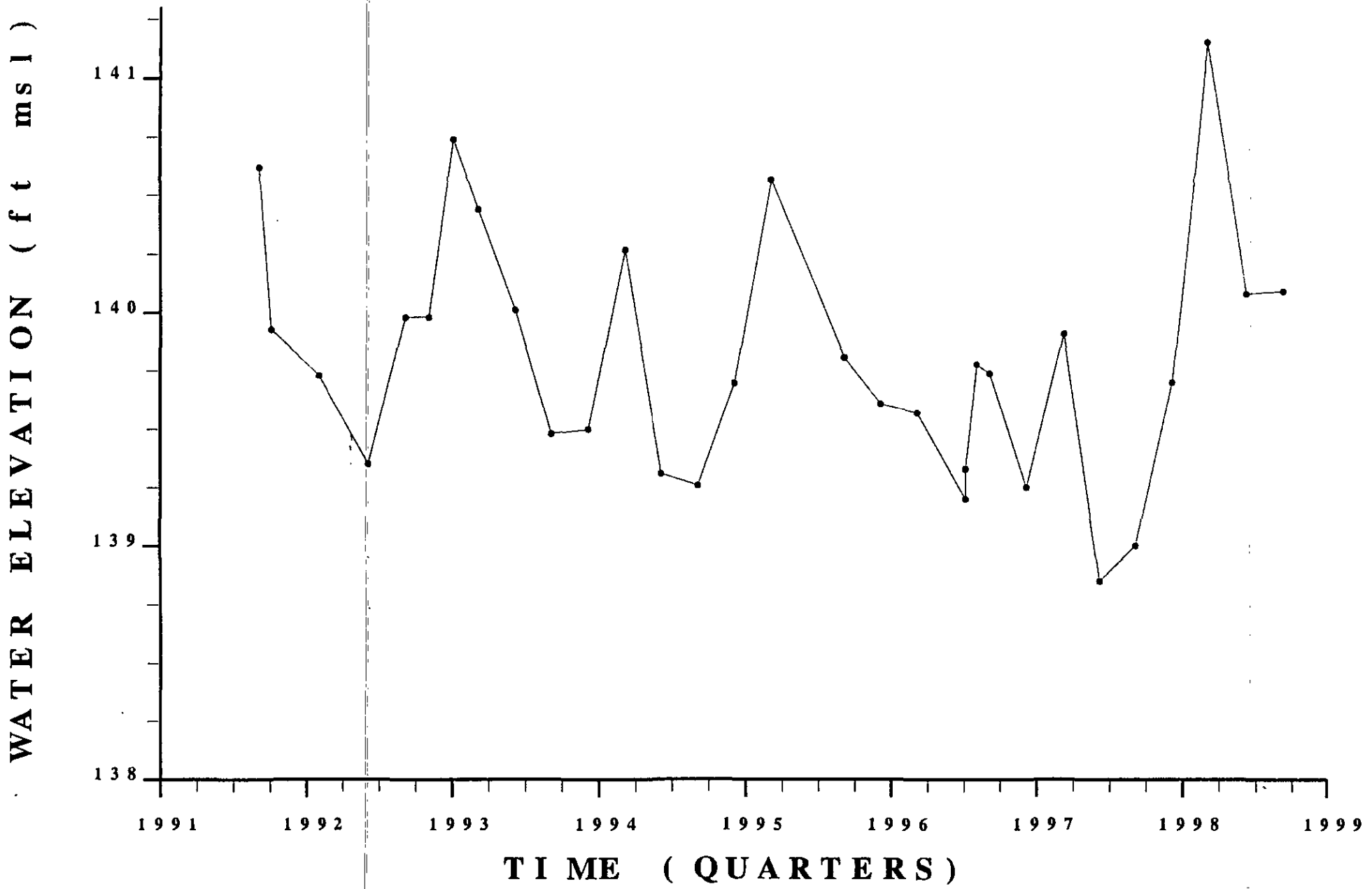
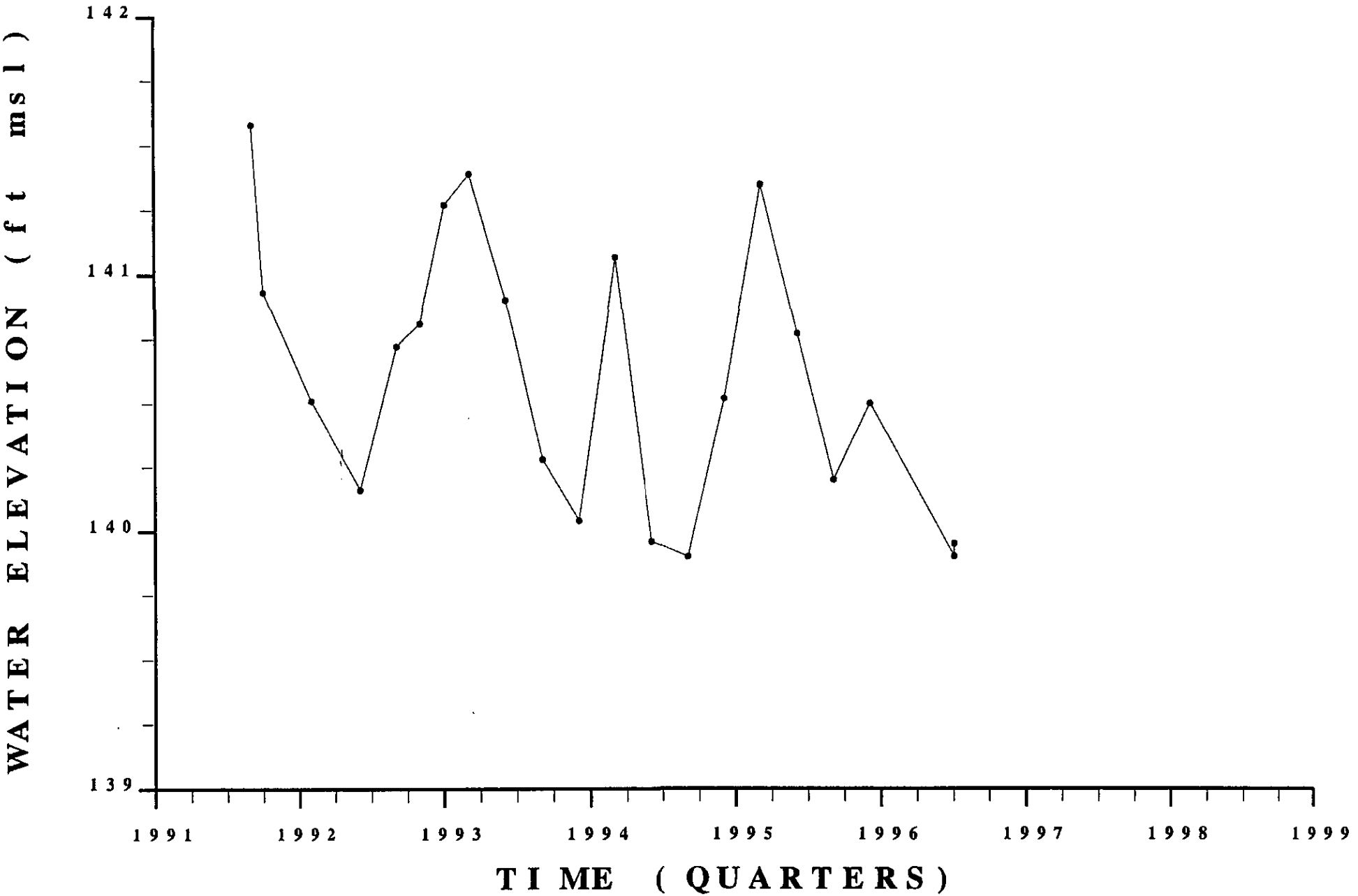
WELL LFW 58D



HYDROGRAPH
WELL LFW 59B



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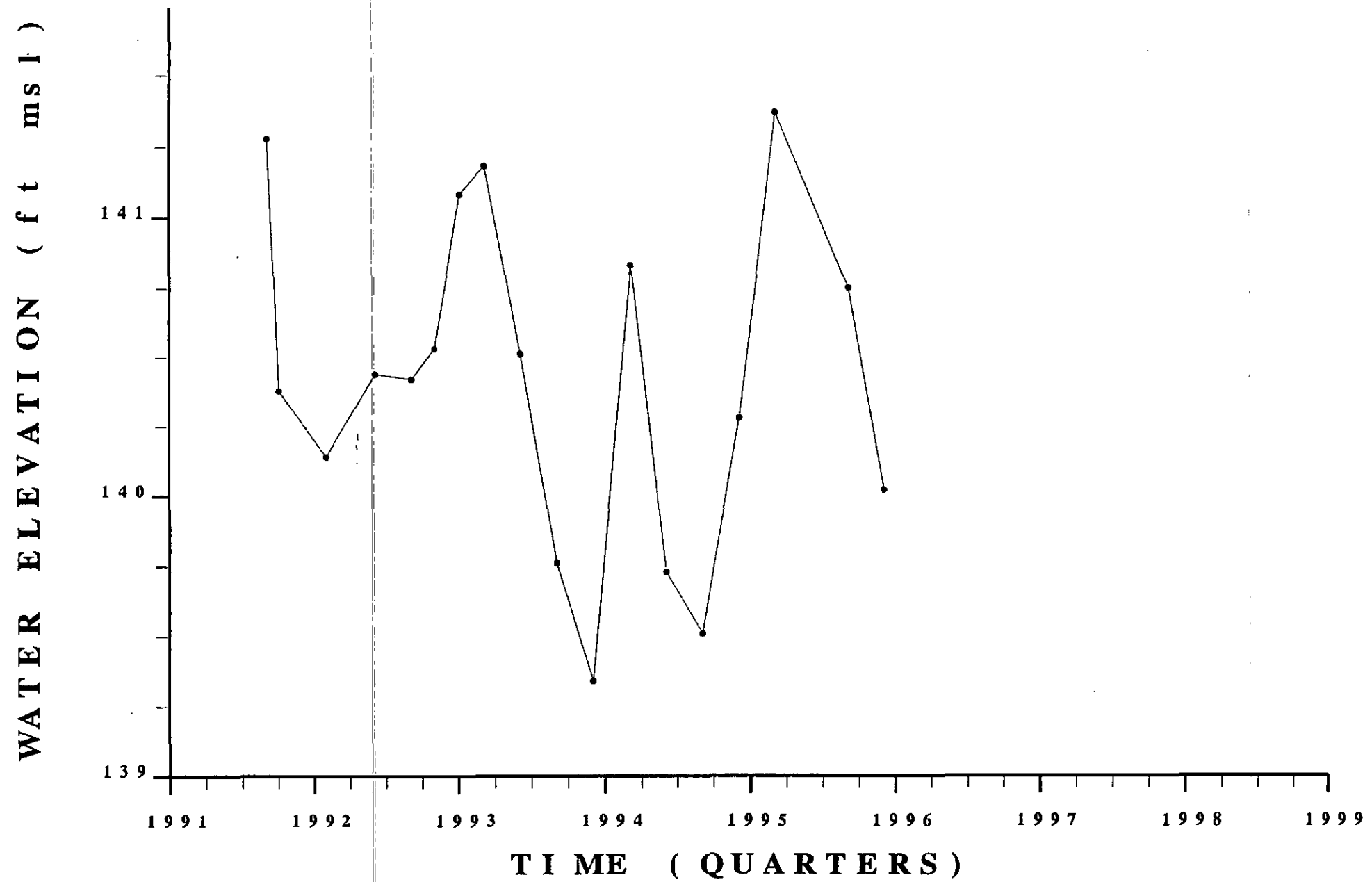
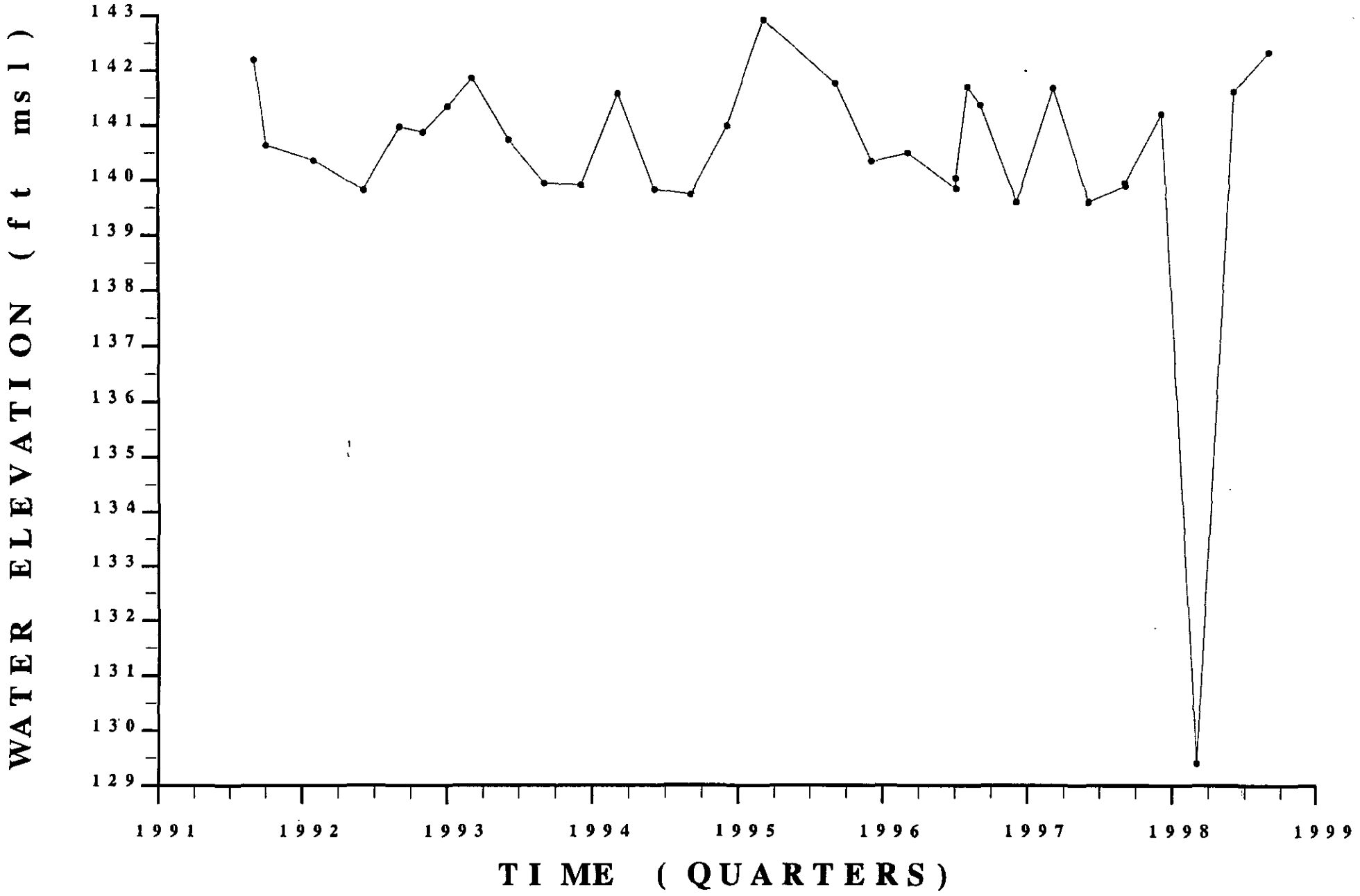
WELL LFW 59C



HYDROGRAPH
WELL LFW 59D



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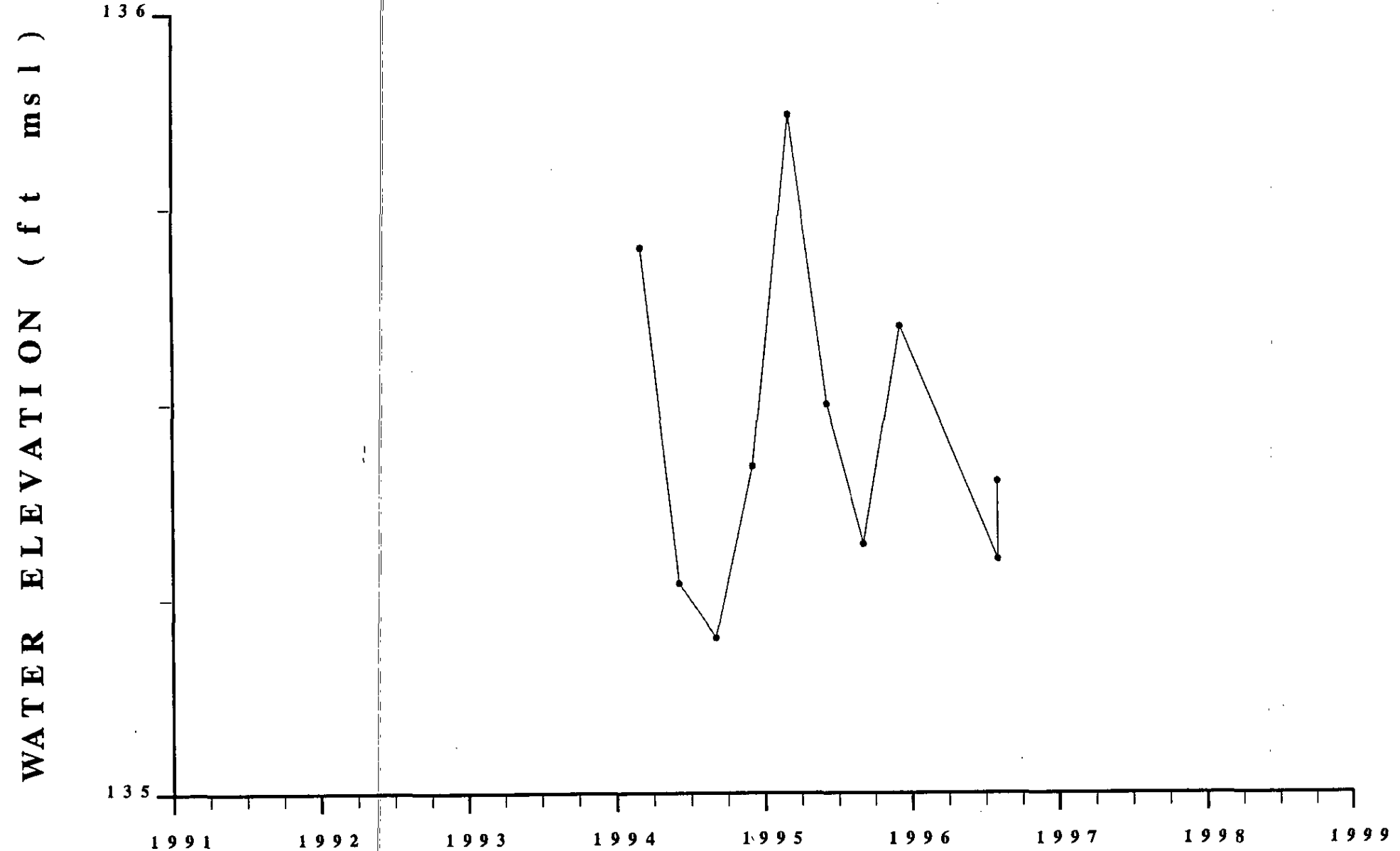

HYDROGRAPH
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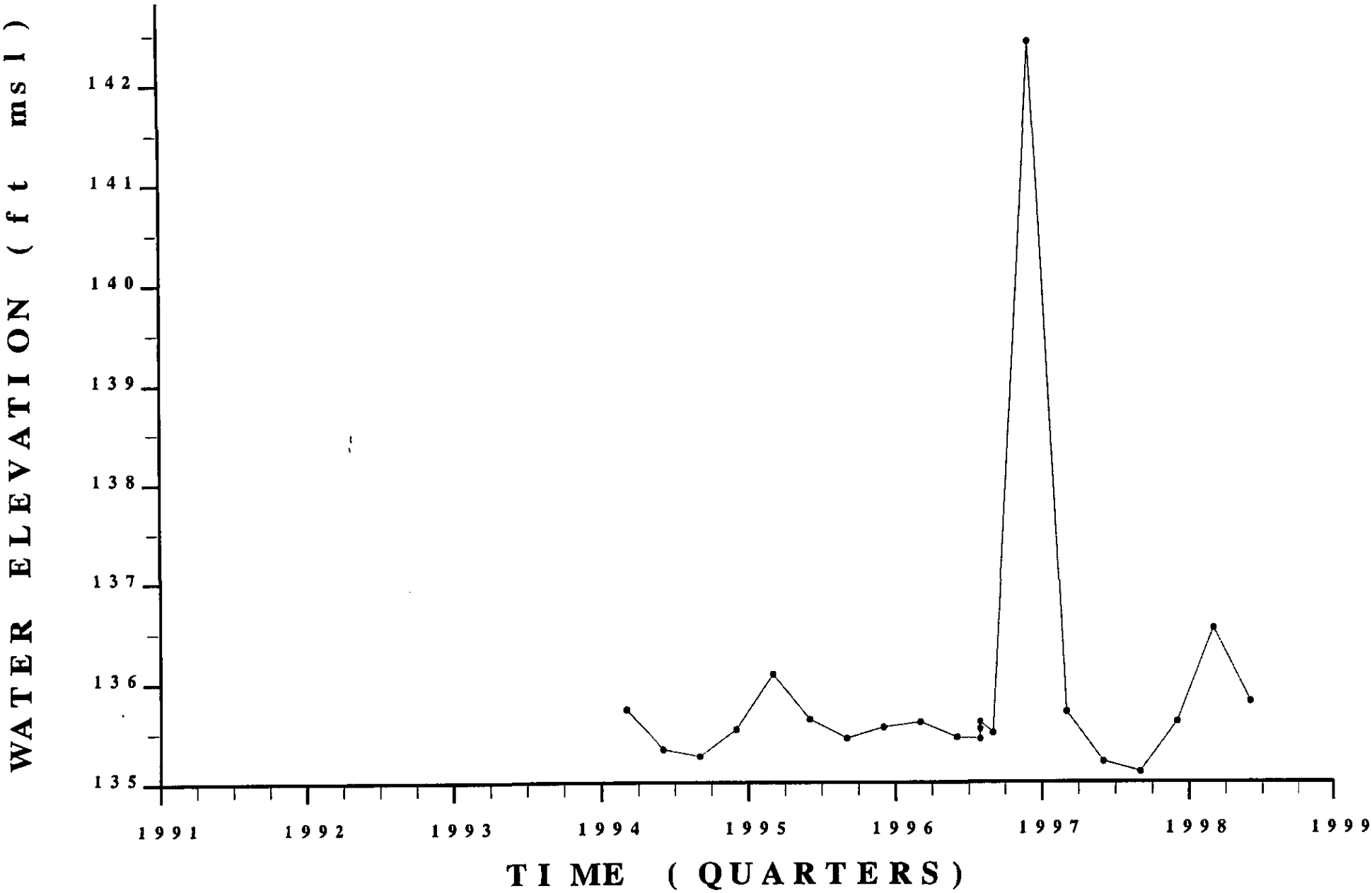

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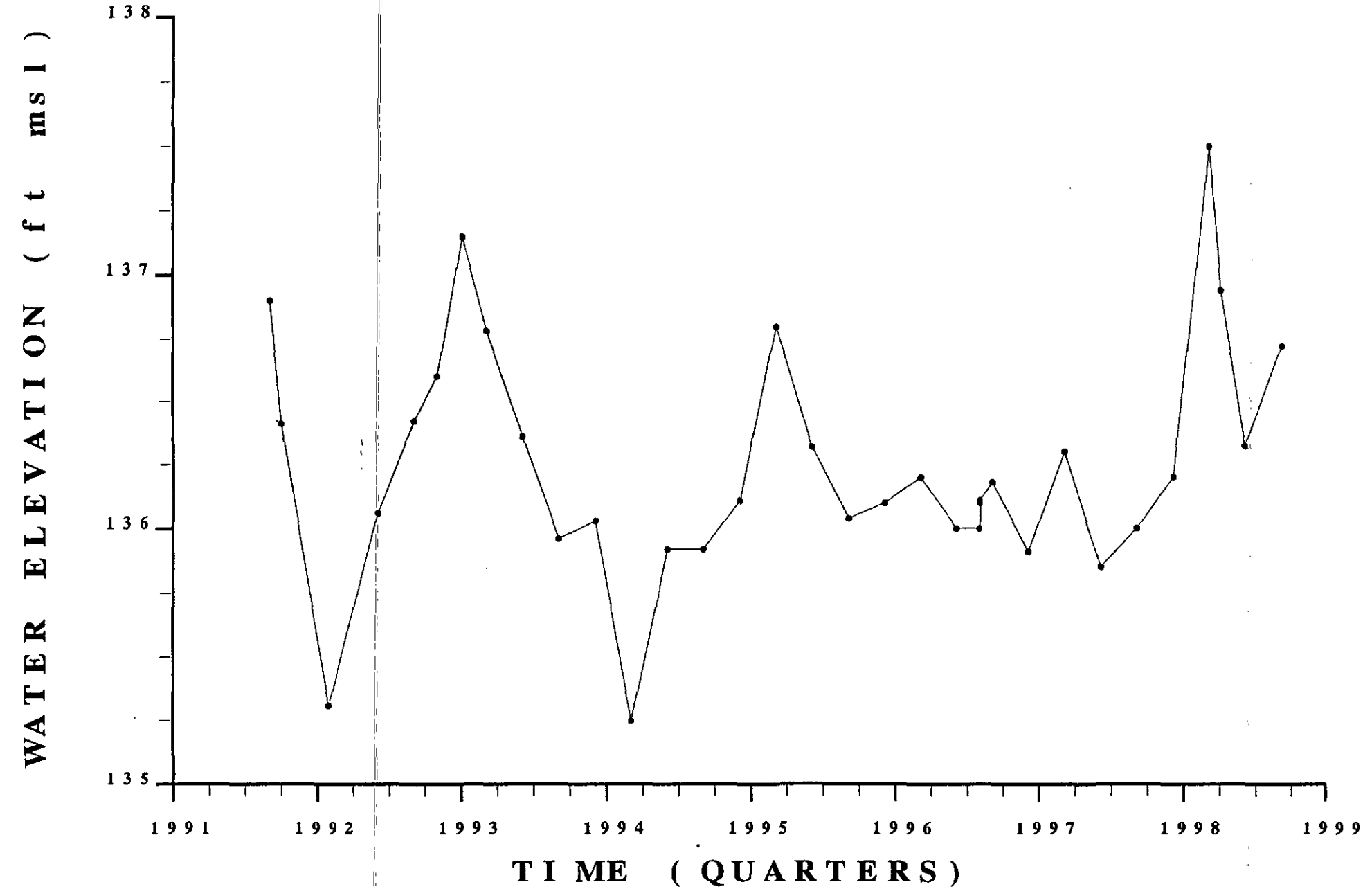

HYDROGRAPH
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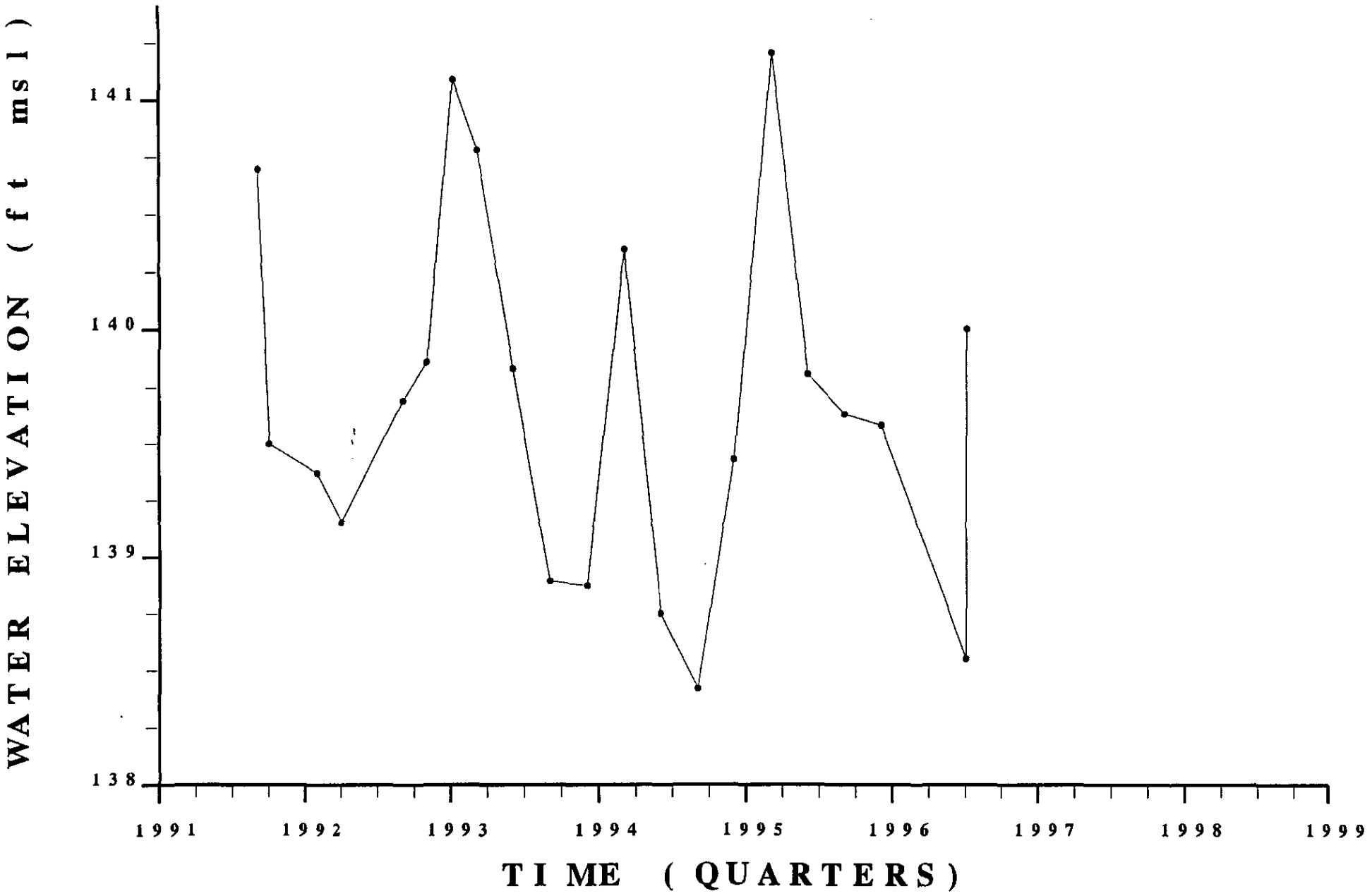

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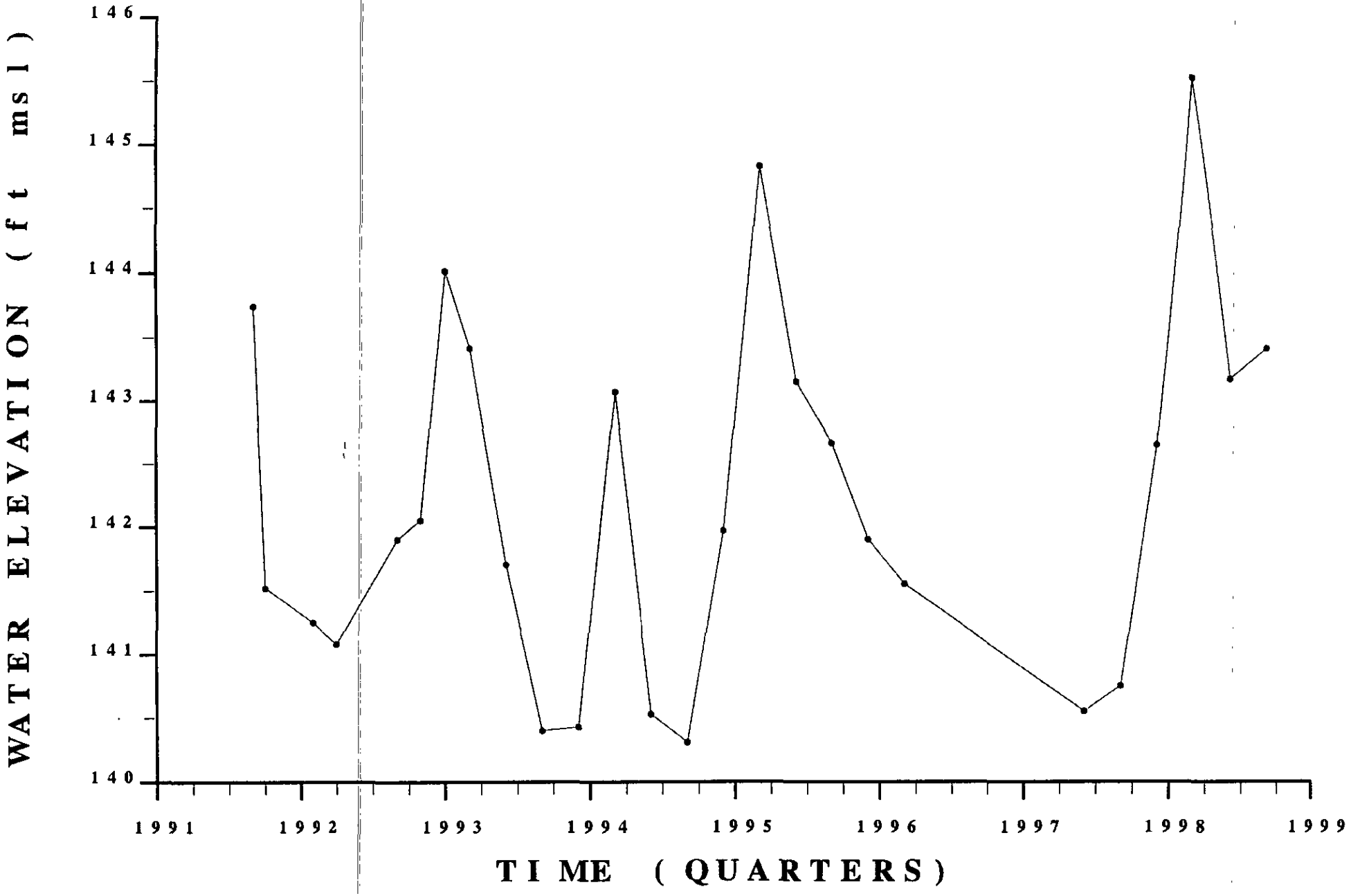

HYDROGRAPH
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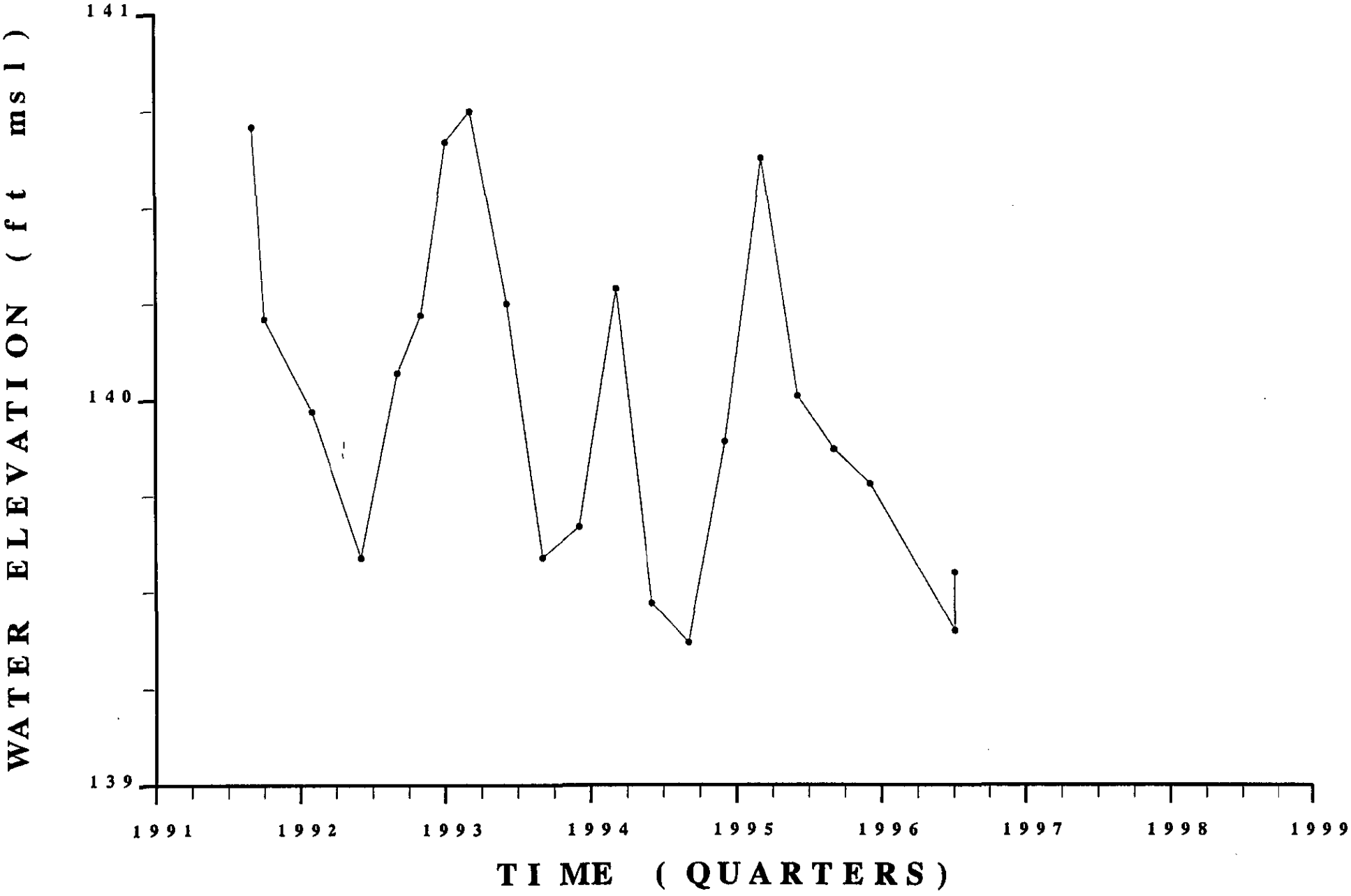

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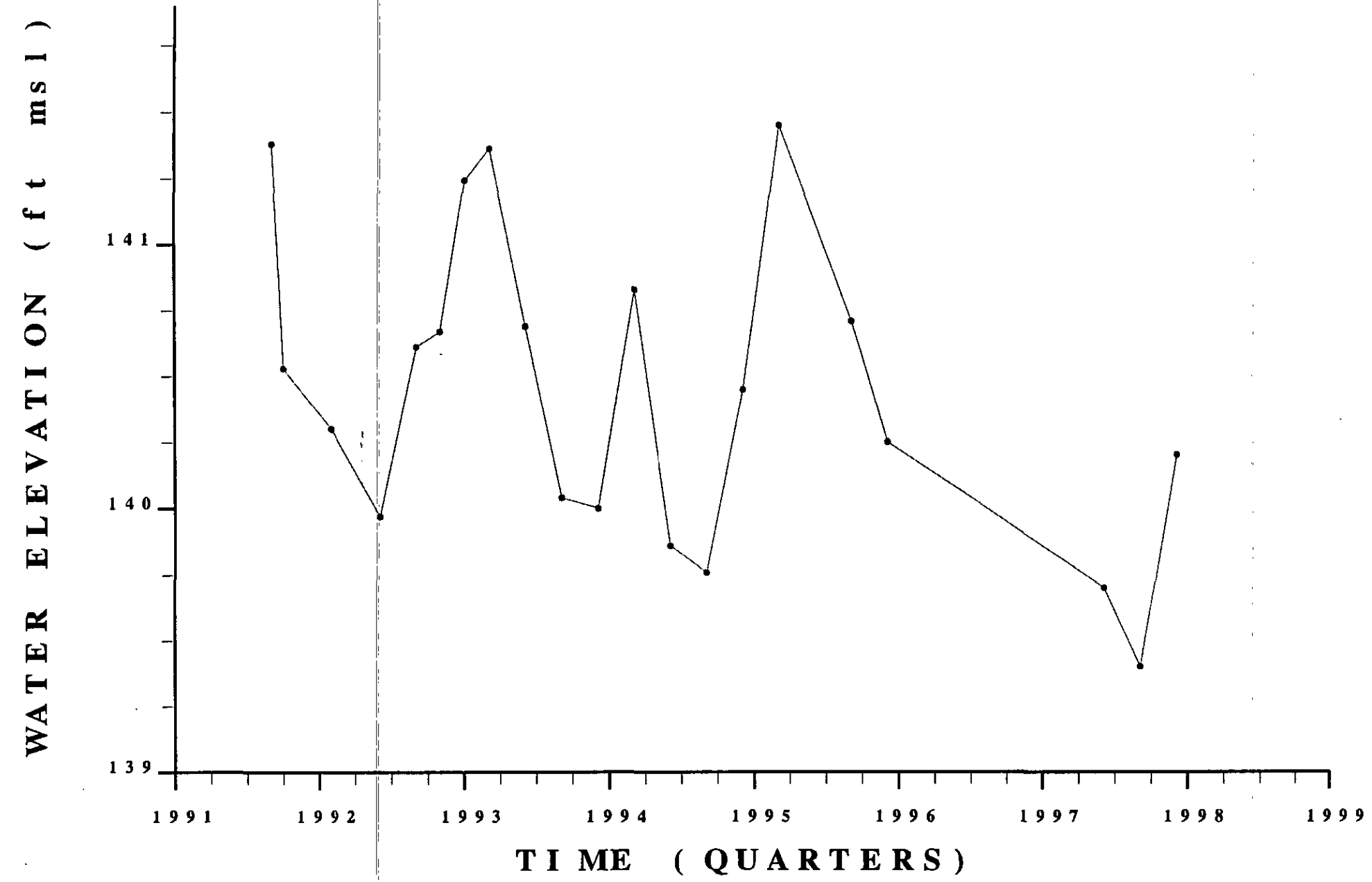

HYDROGRAPH
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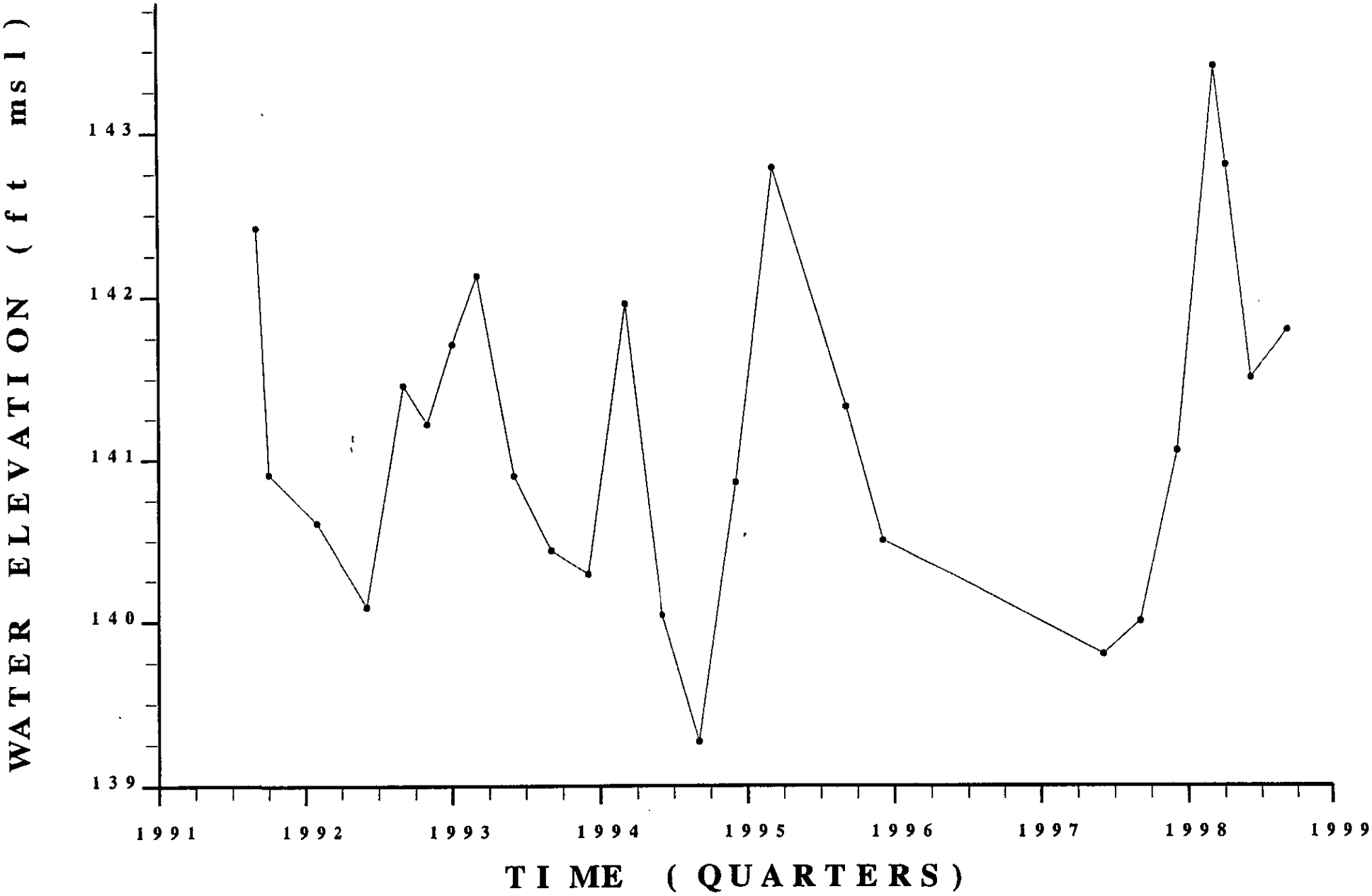

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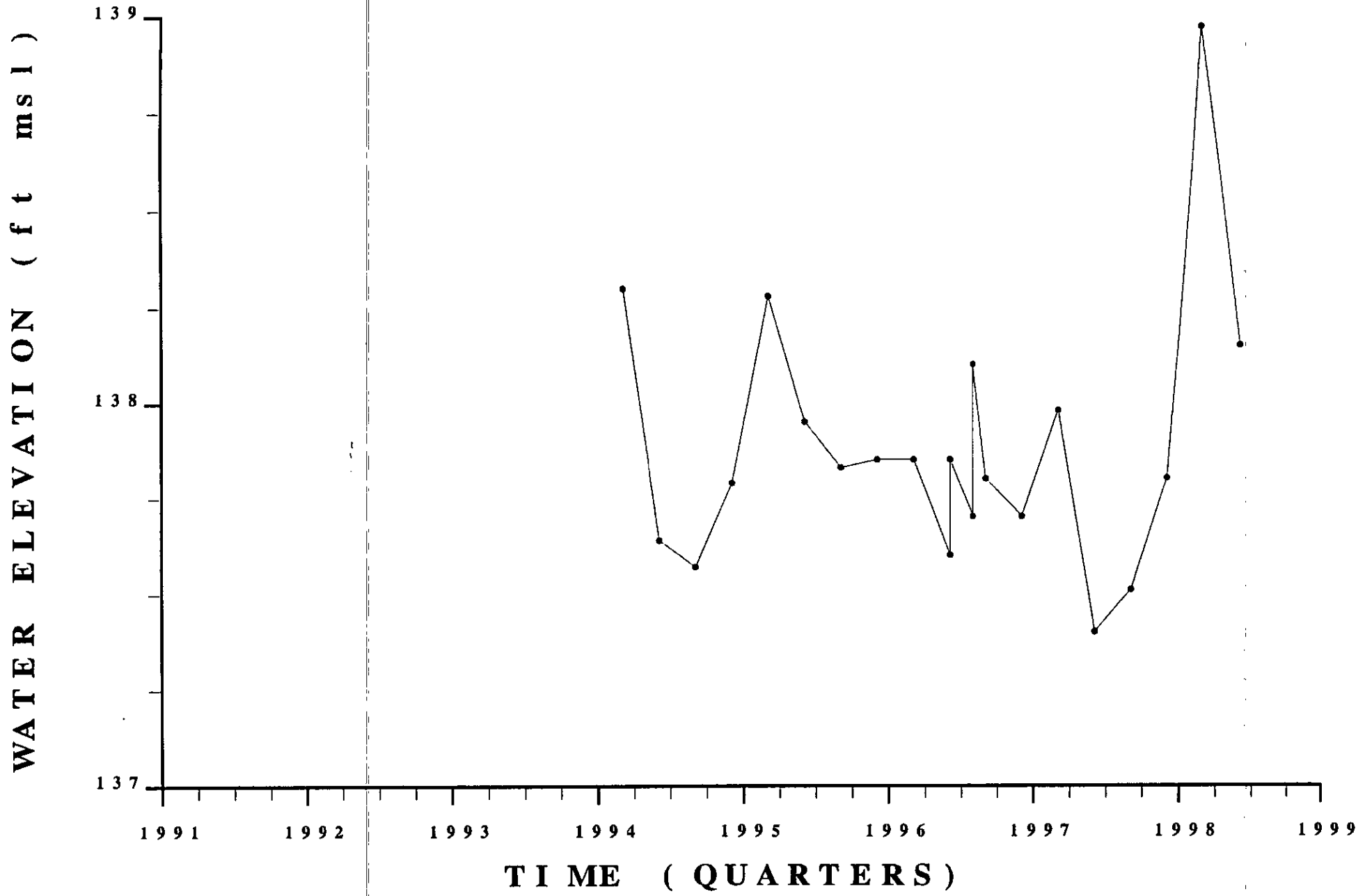

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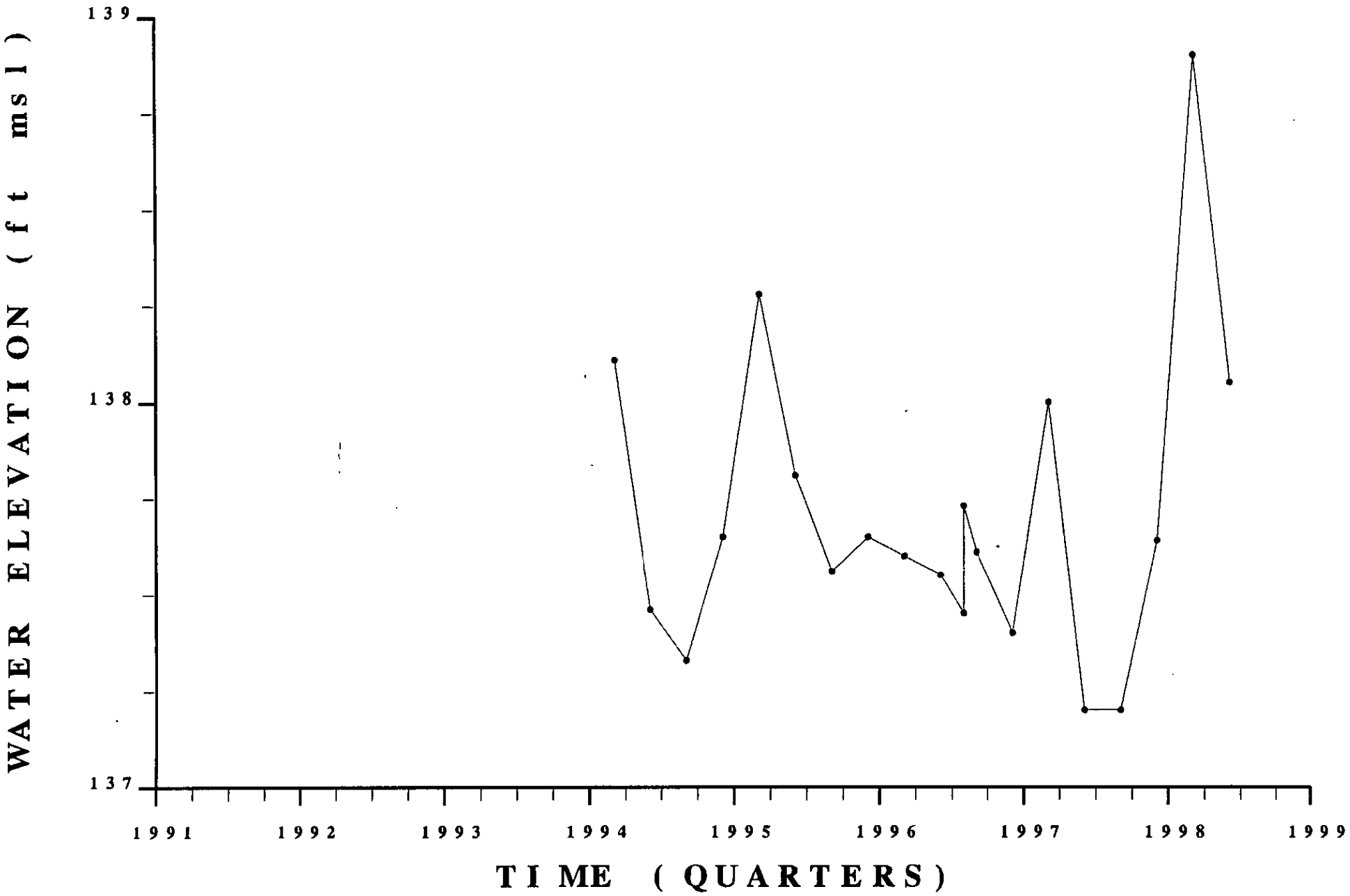

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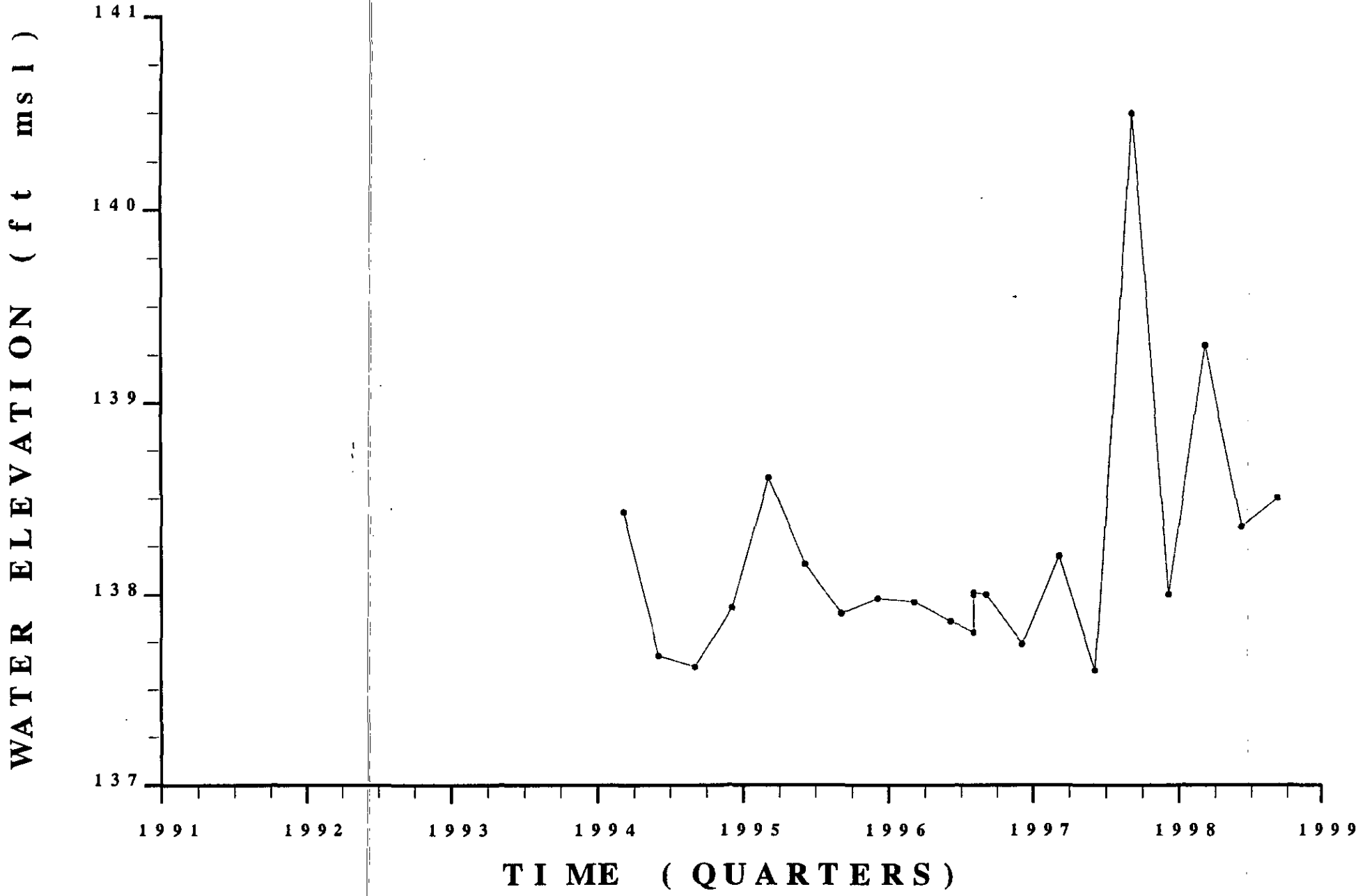

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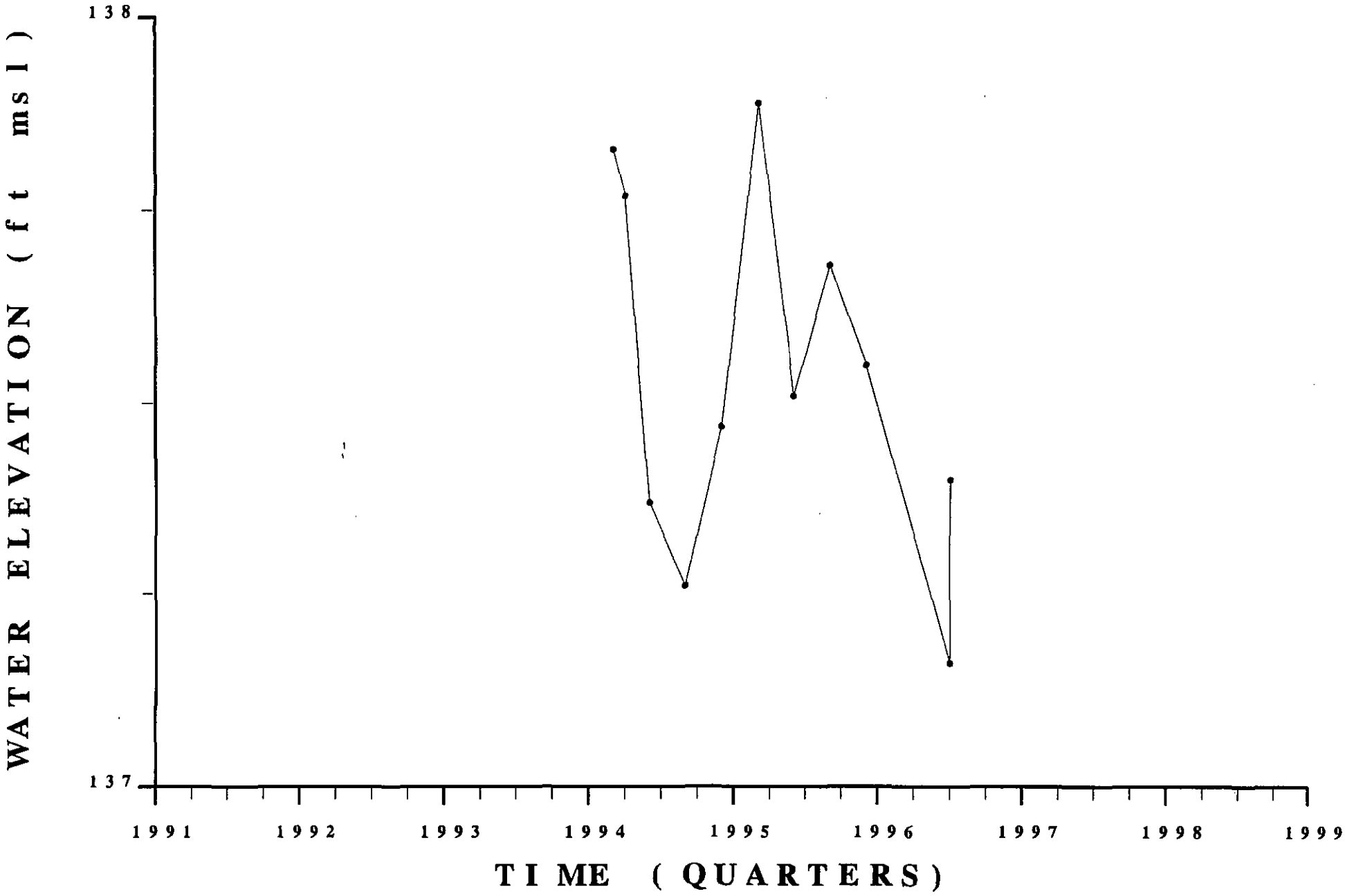

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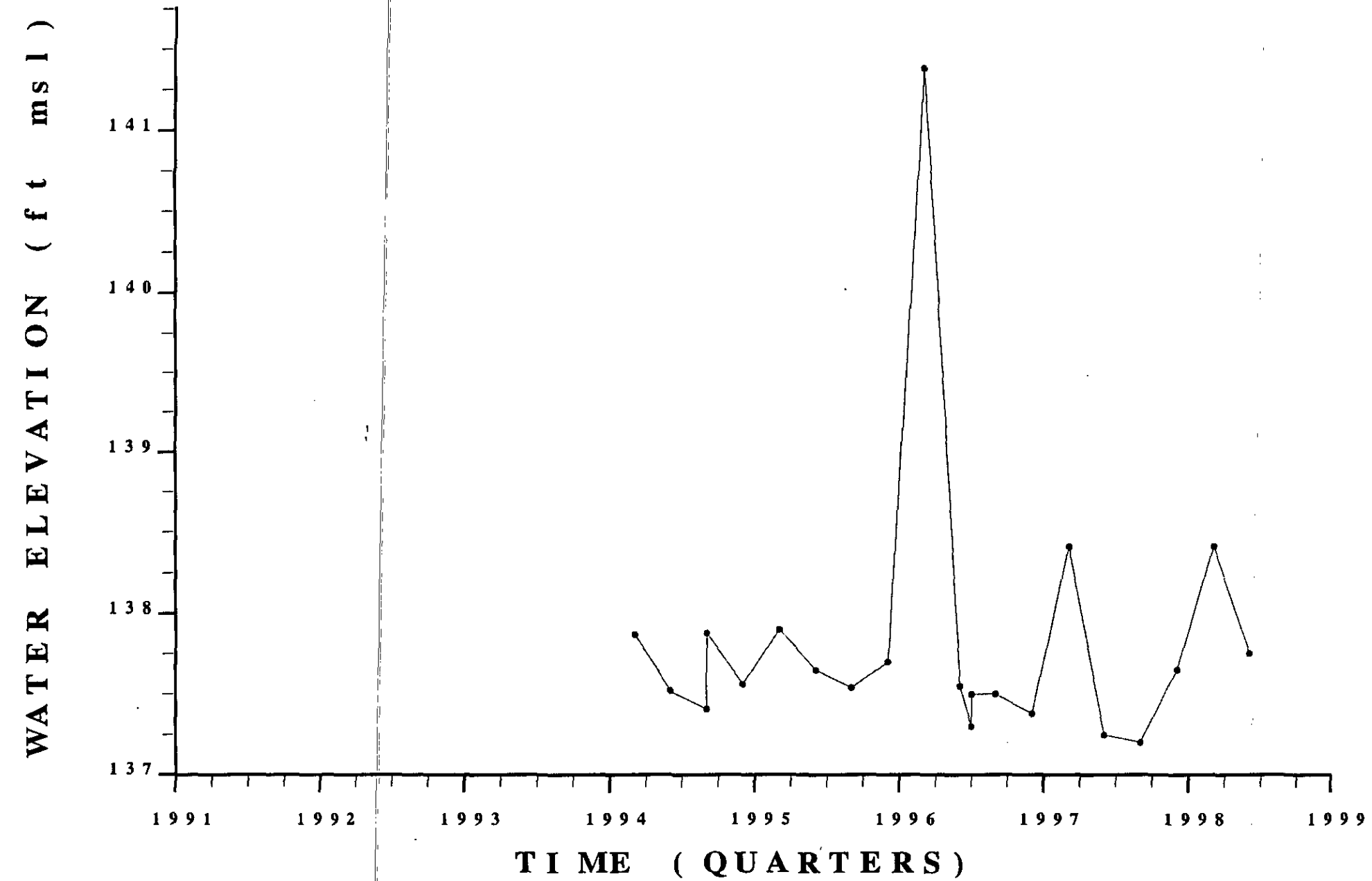

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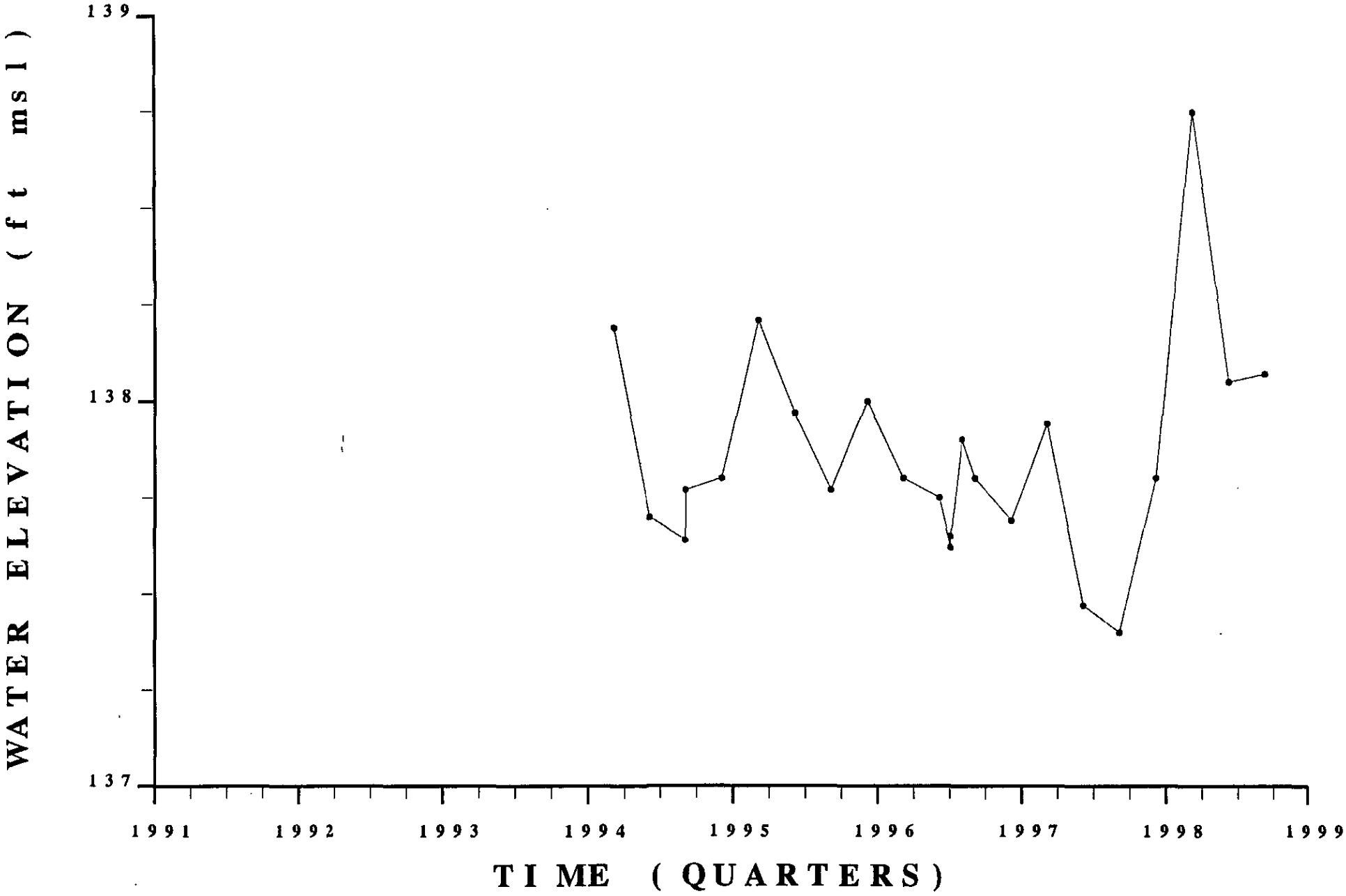

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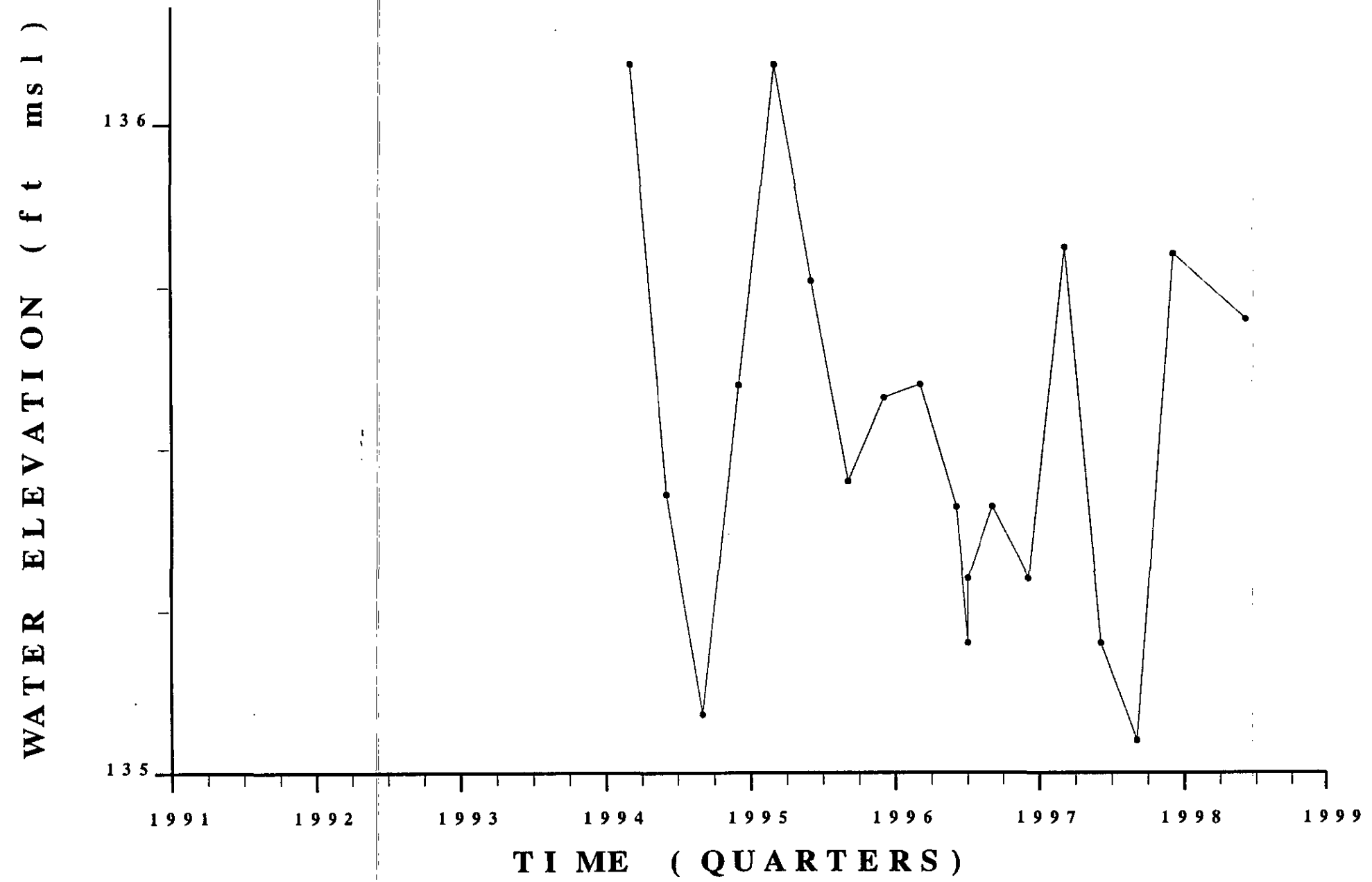

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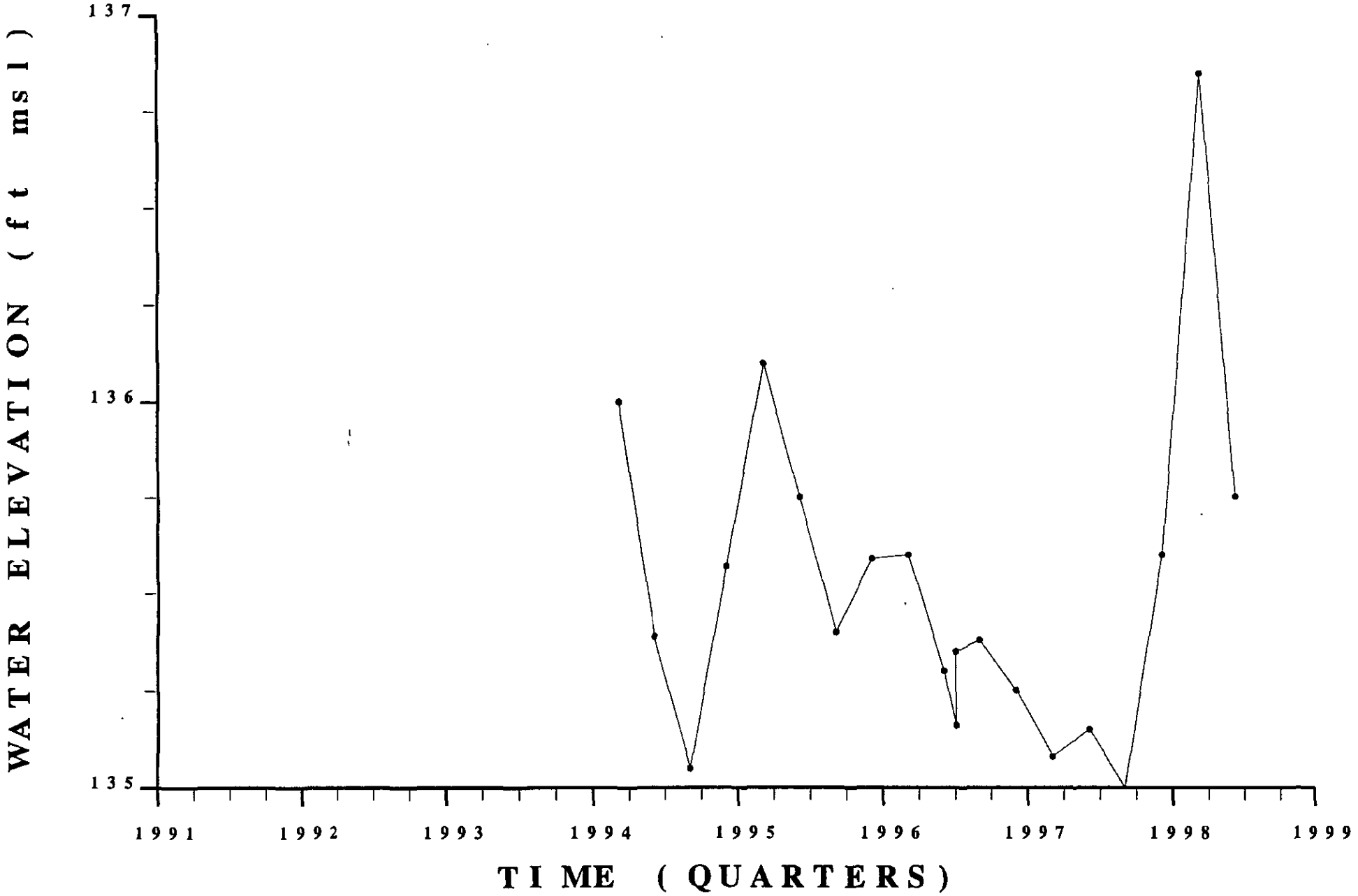

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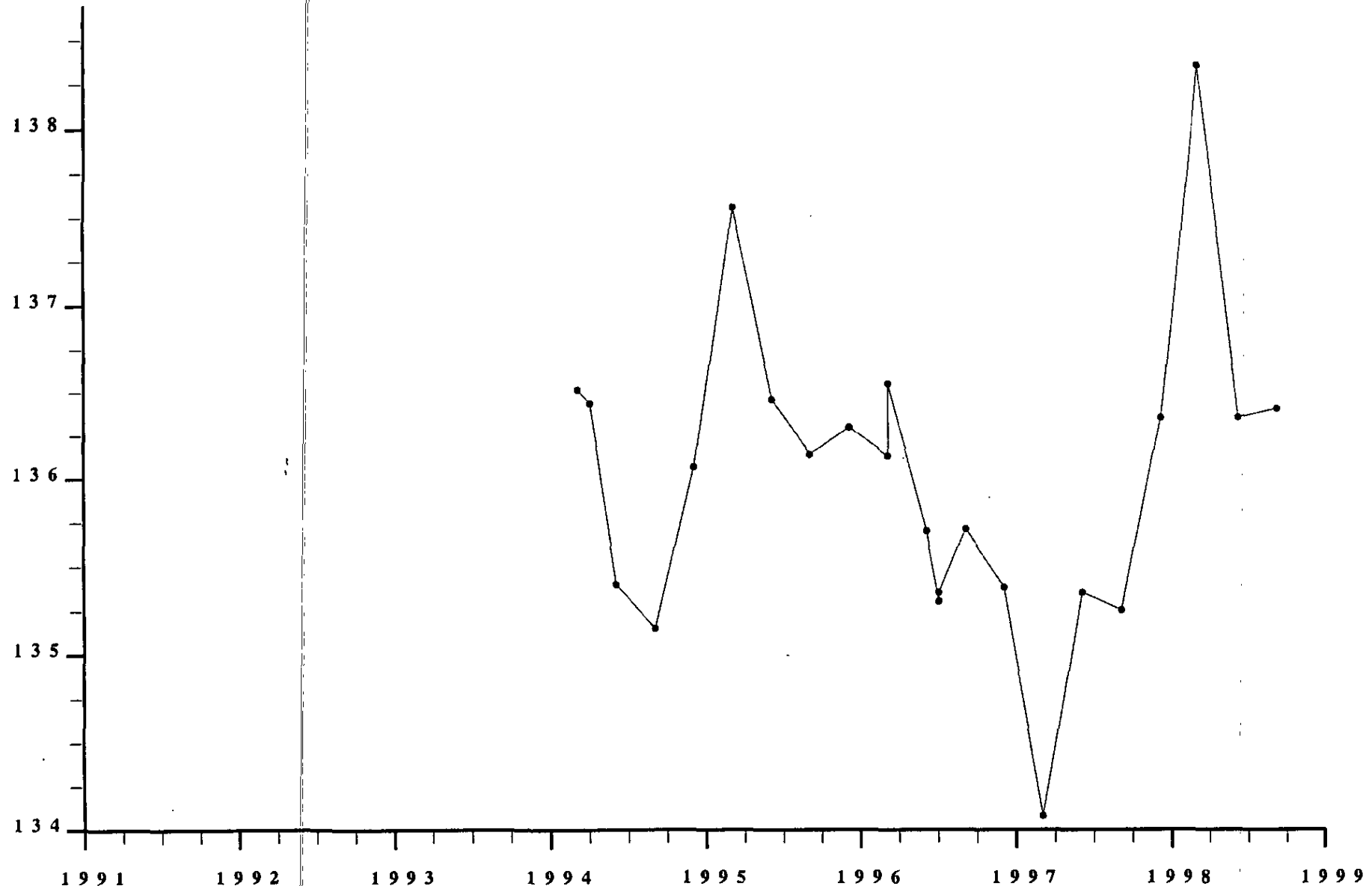

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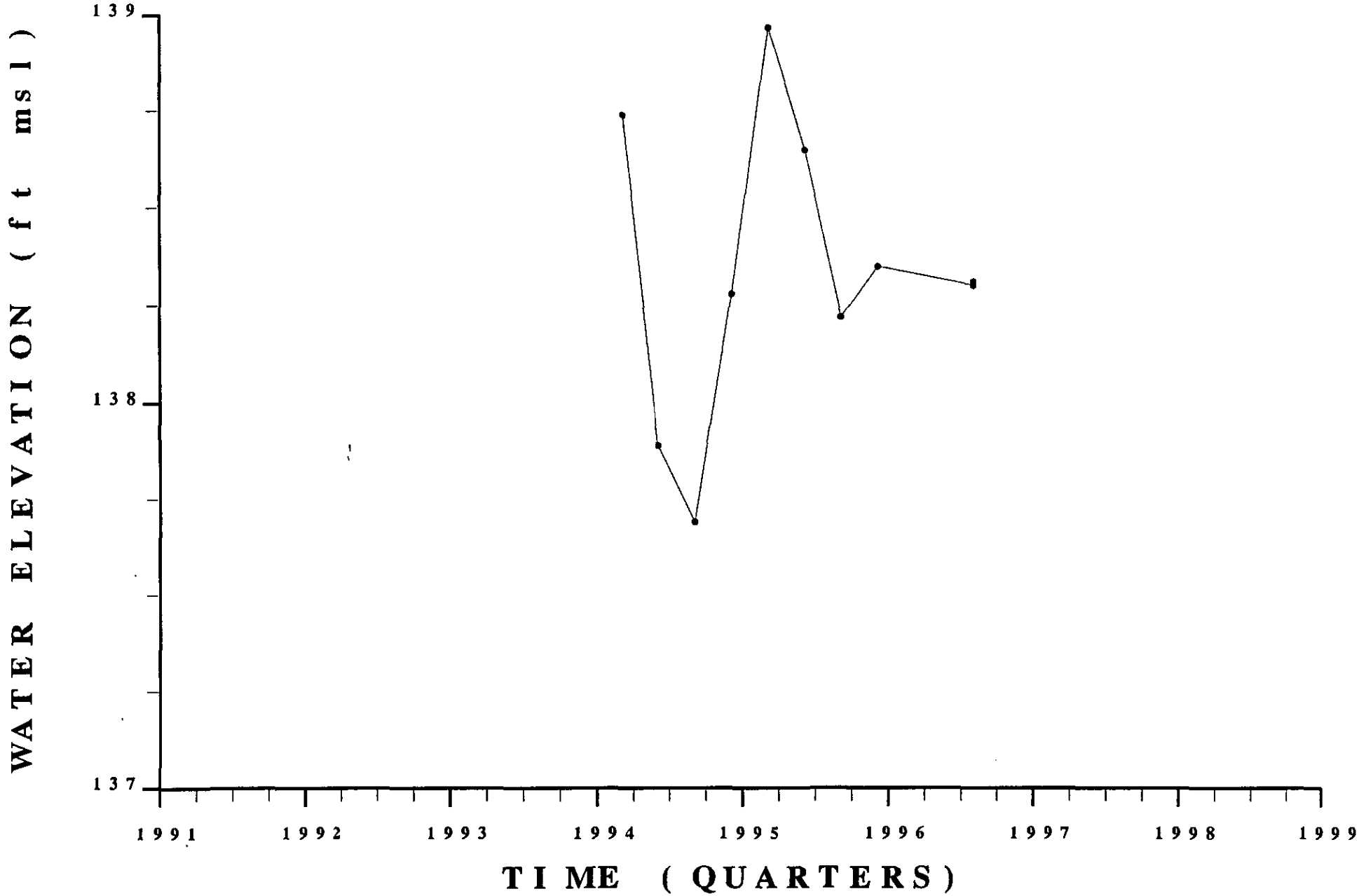

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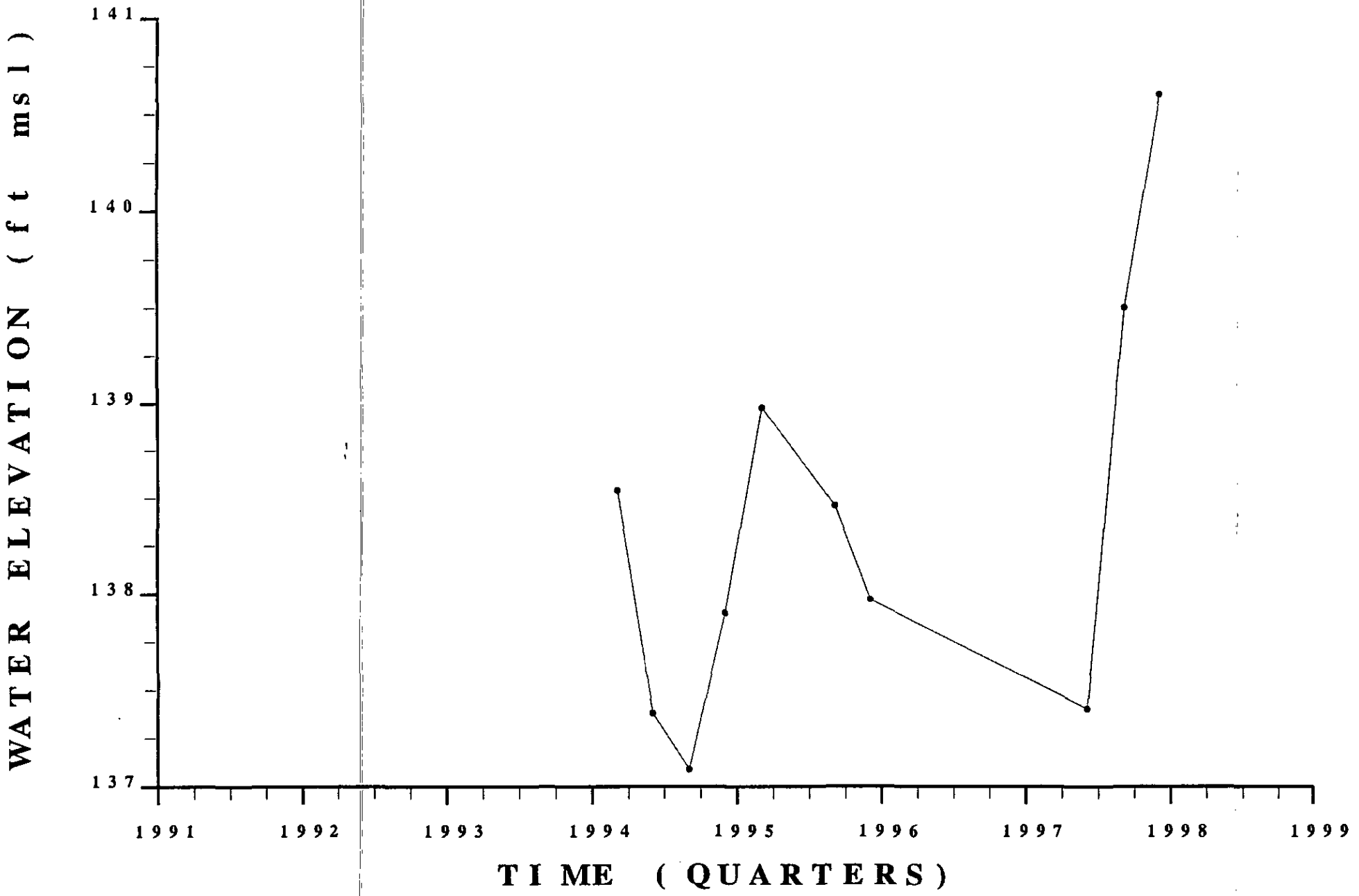

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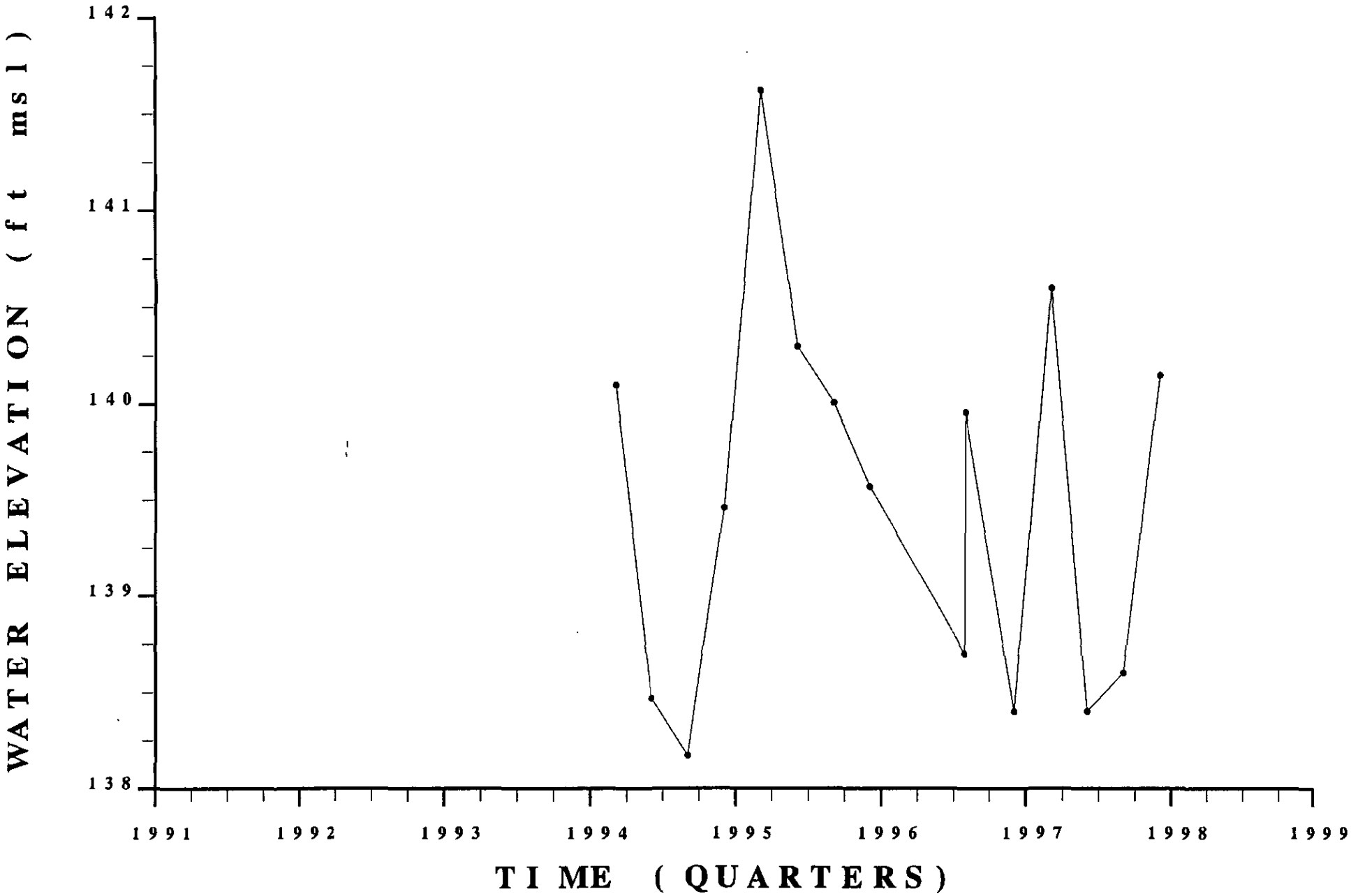

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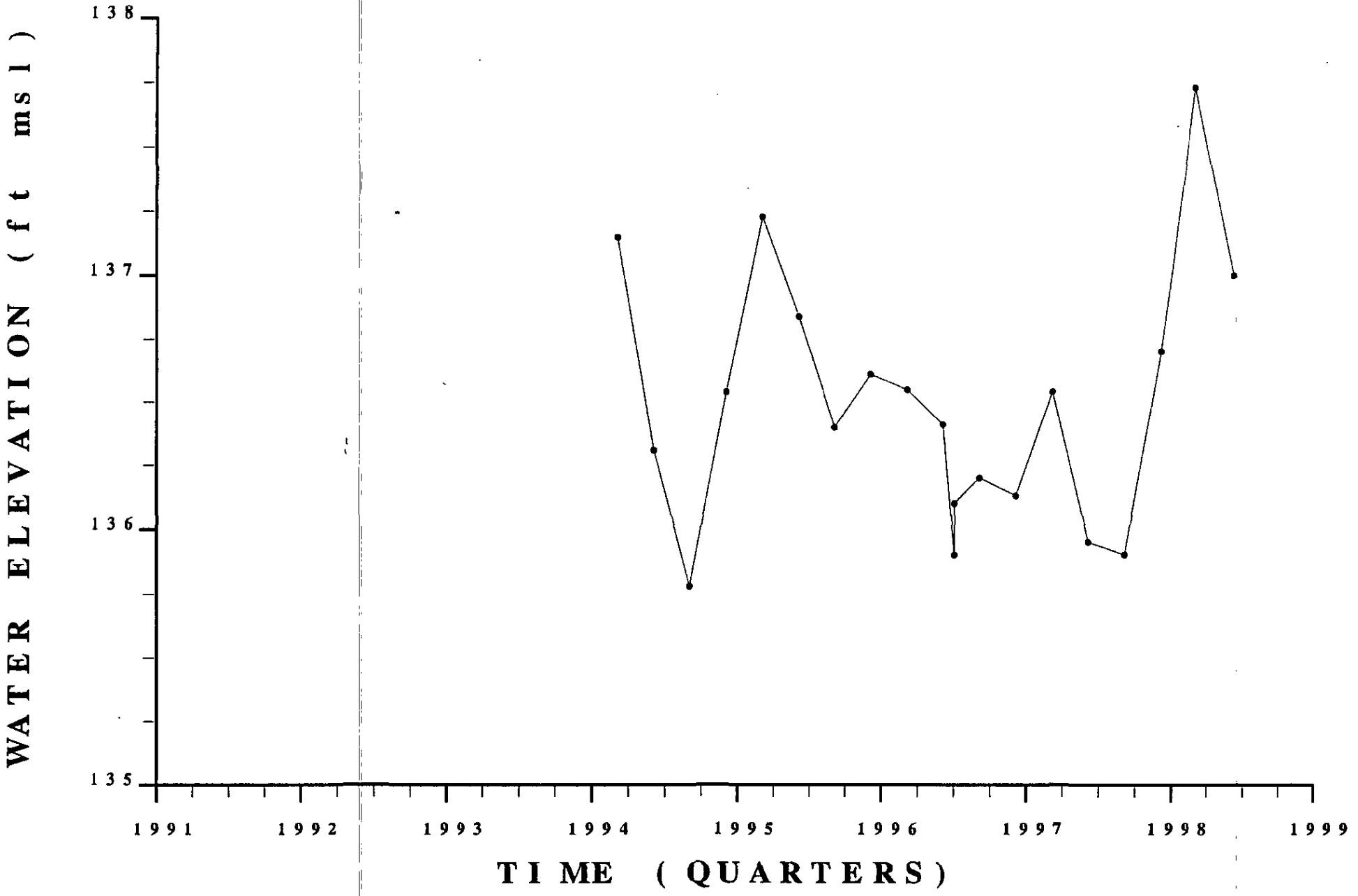

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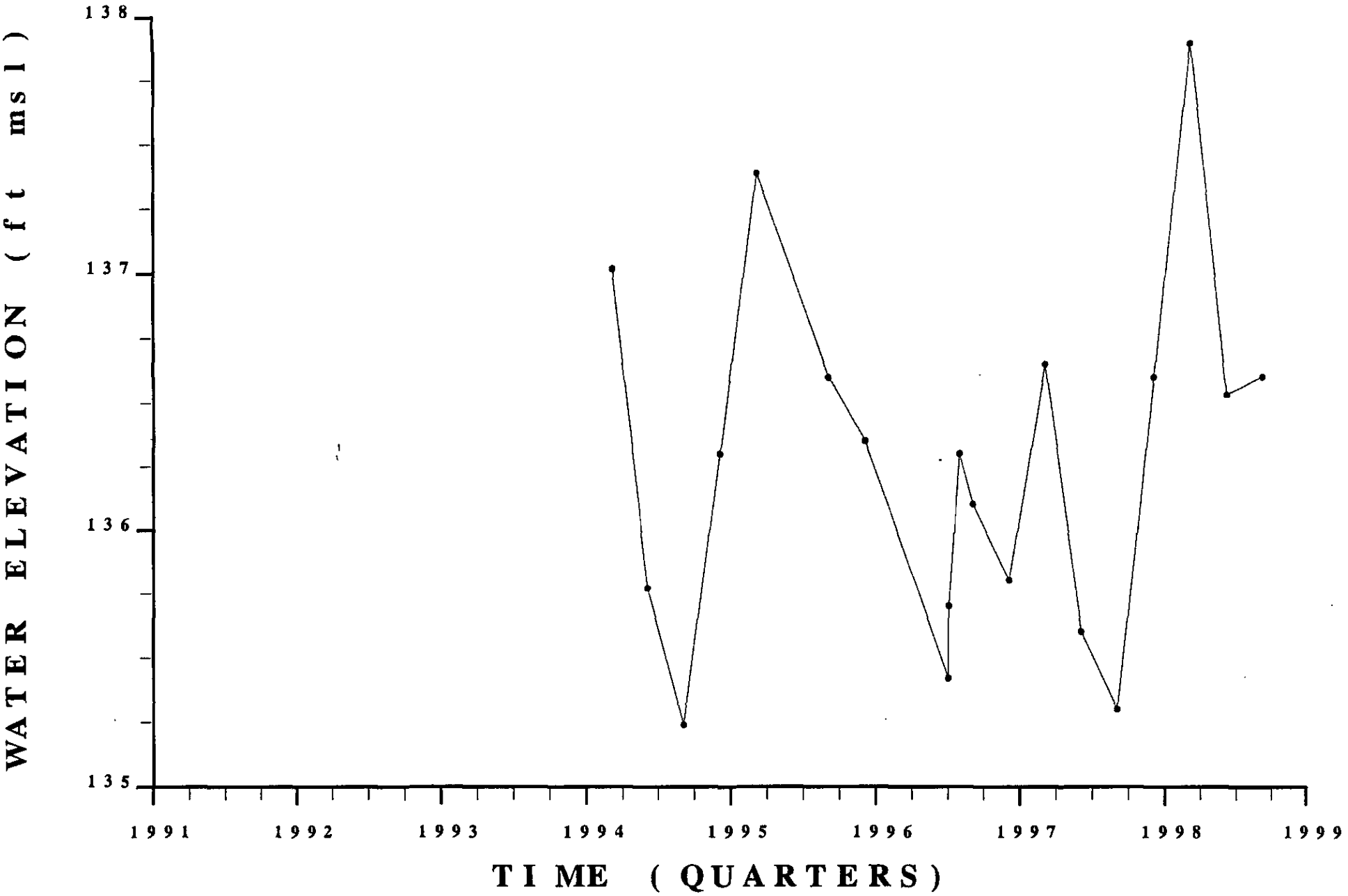

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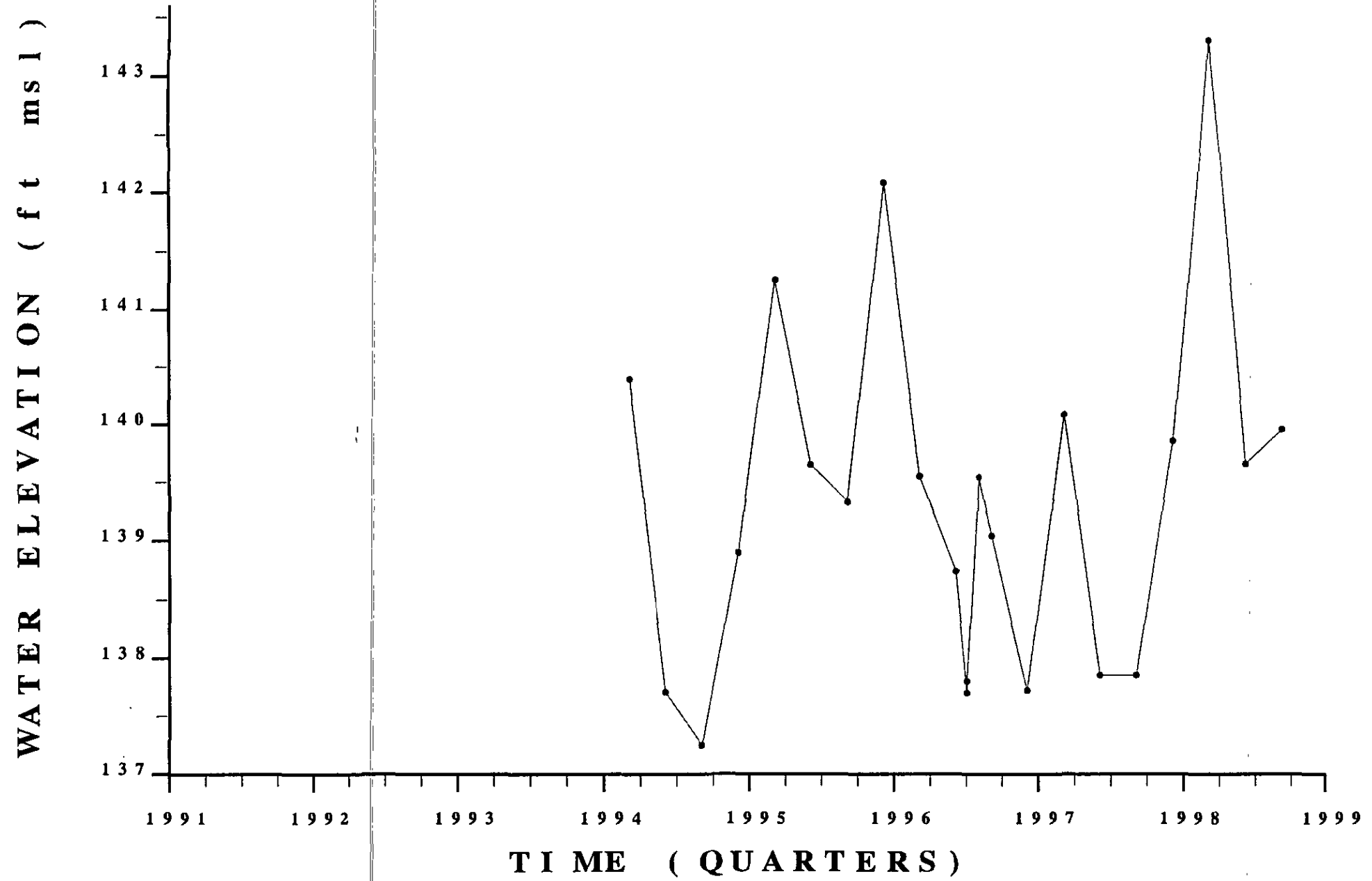

HYDROGRAPH
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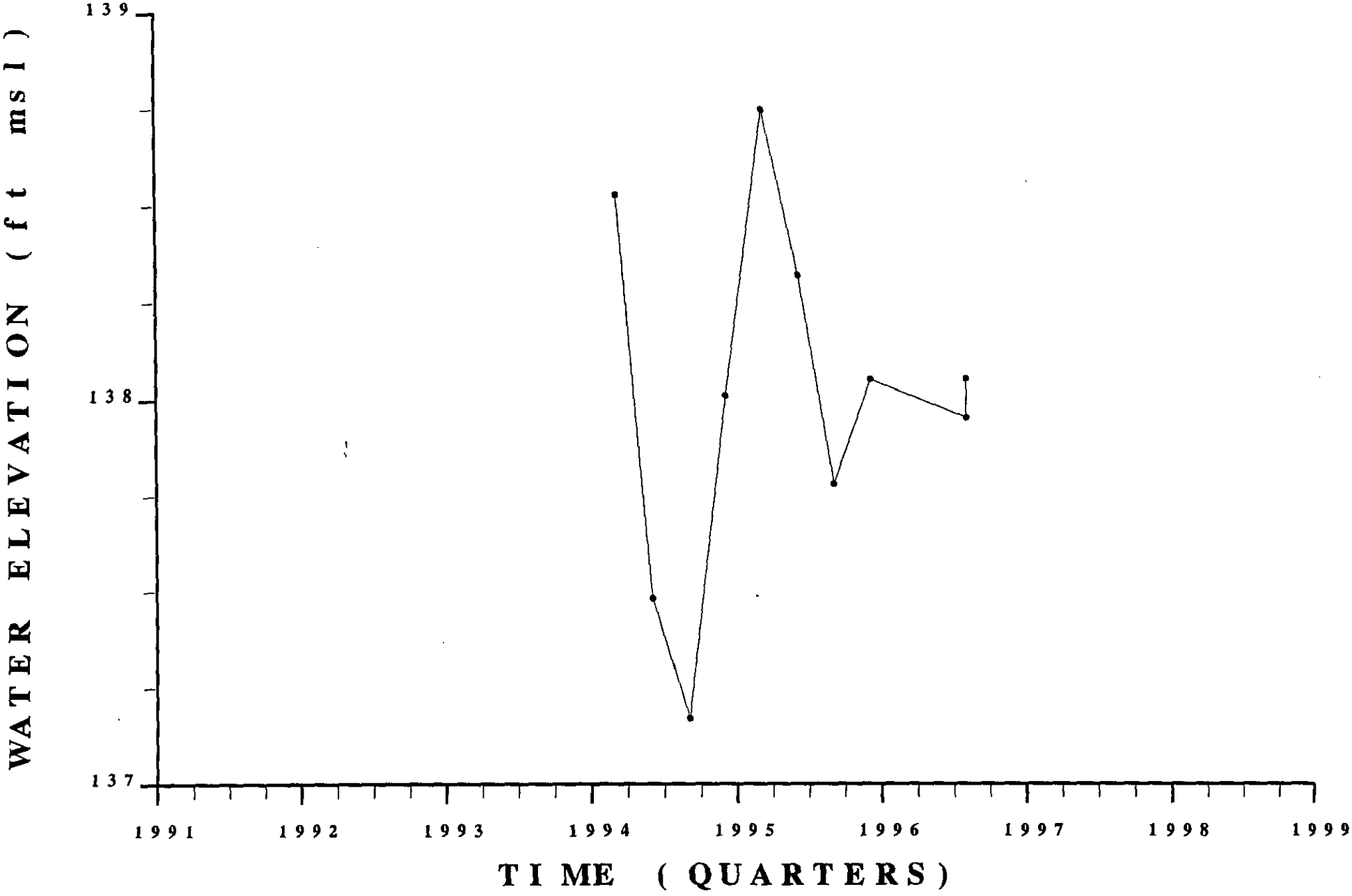

HYDROGRAPH
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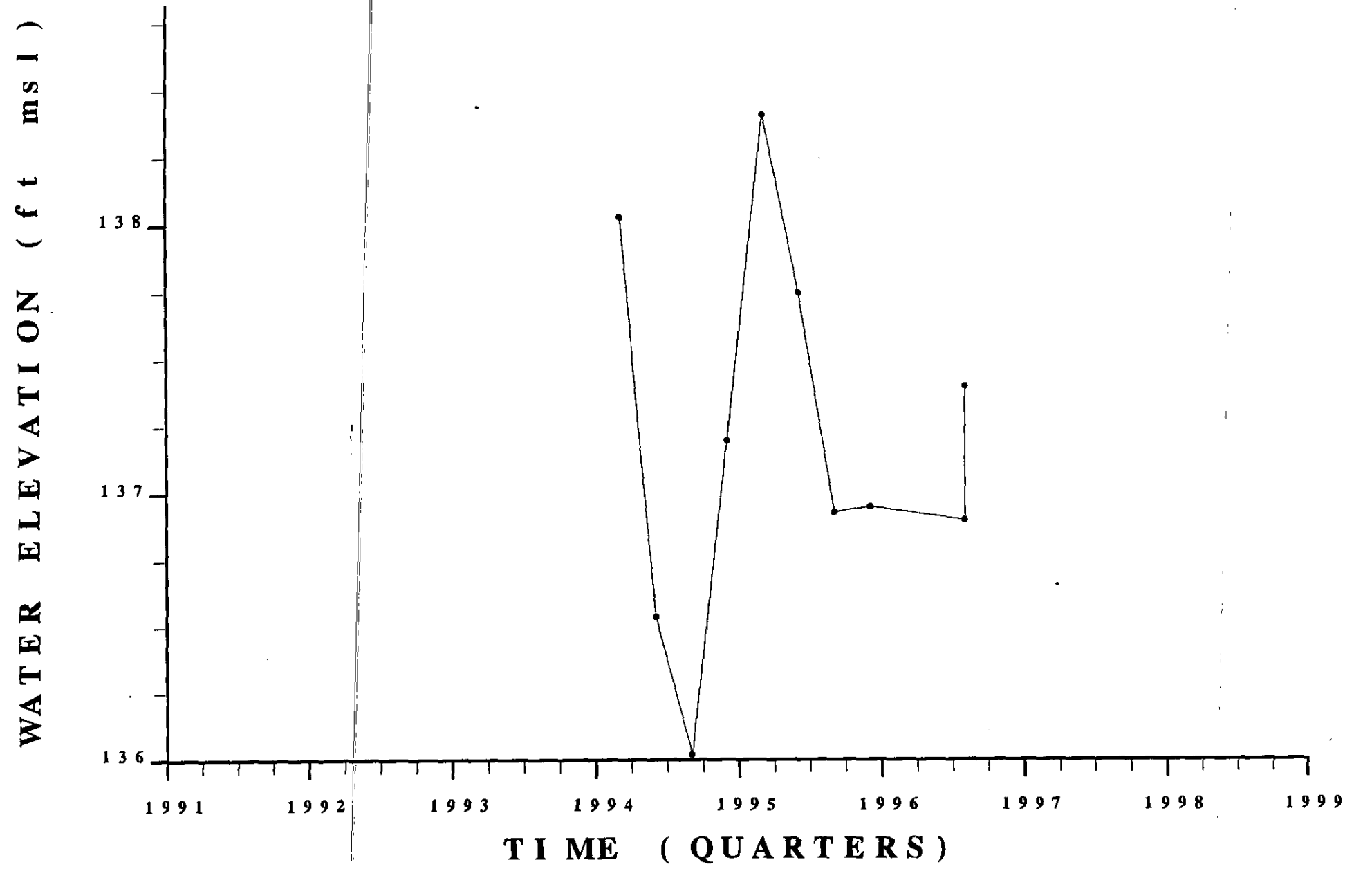

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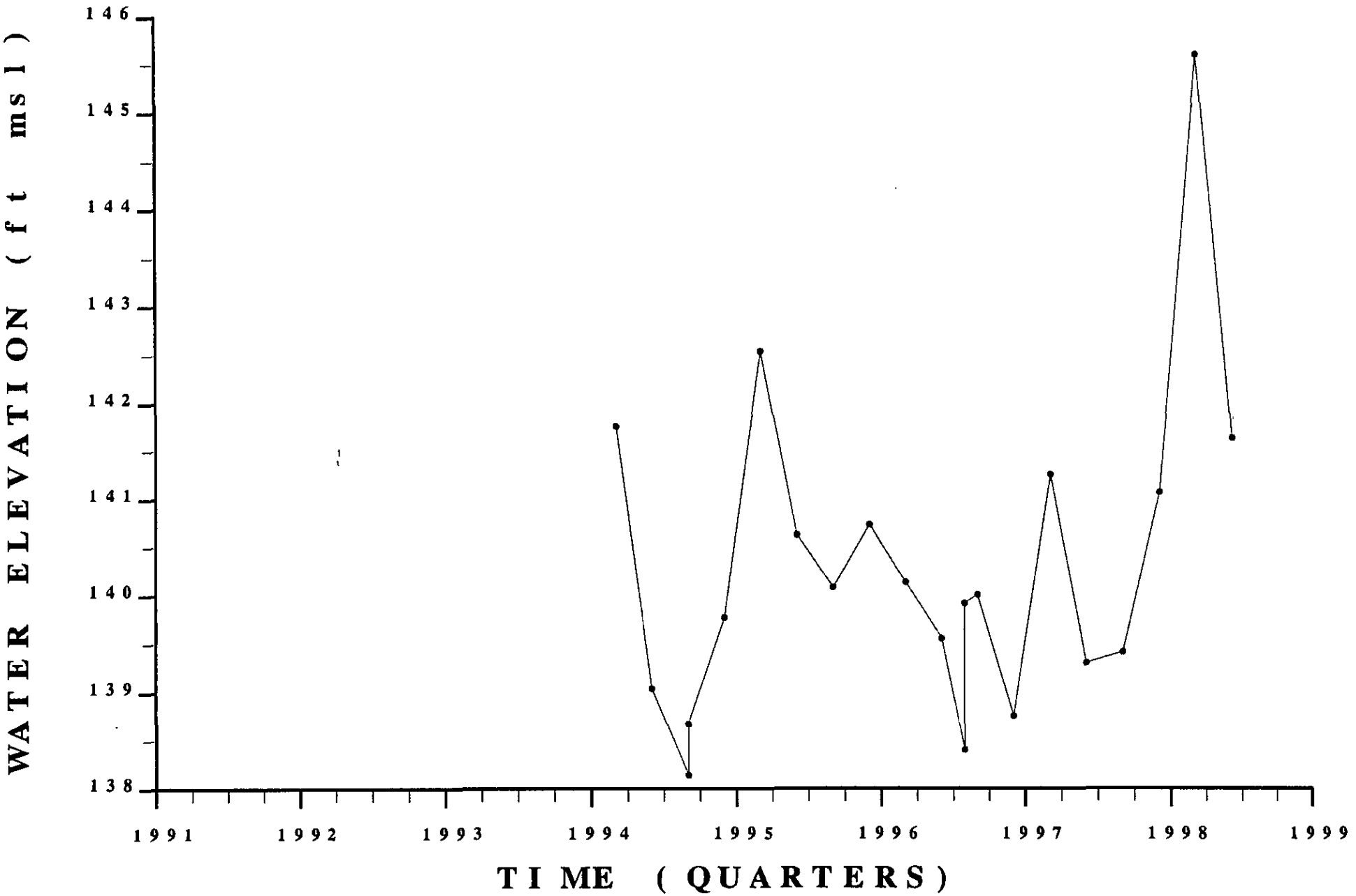

HYDROGRAPH
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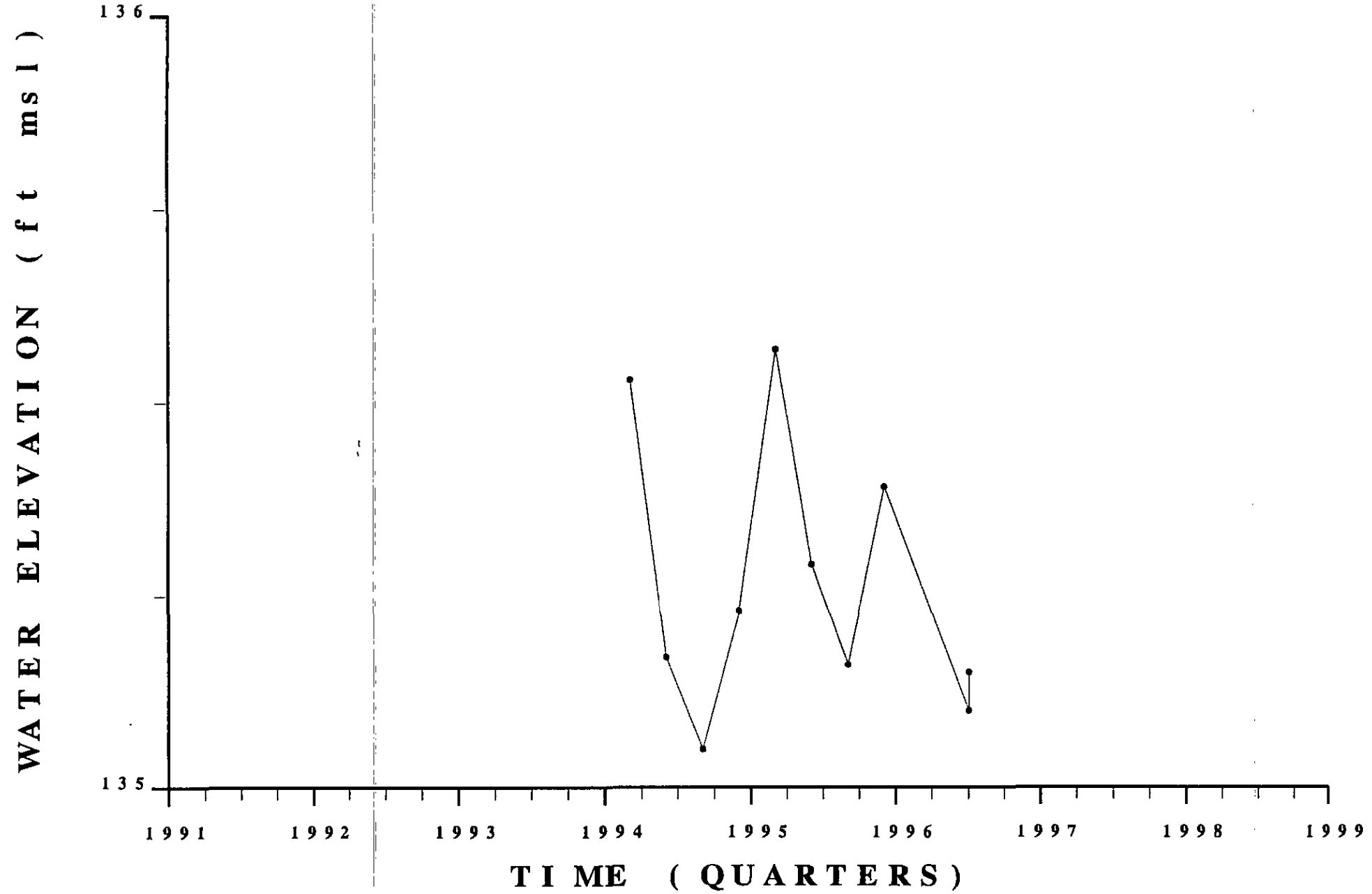

HYDROGRAPH
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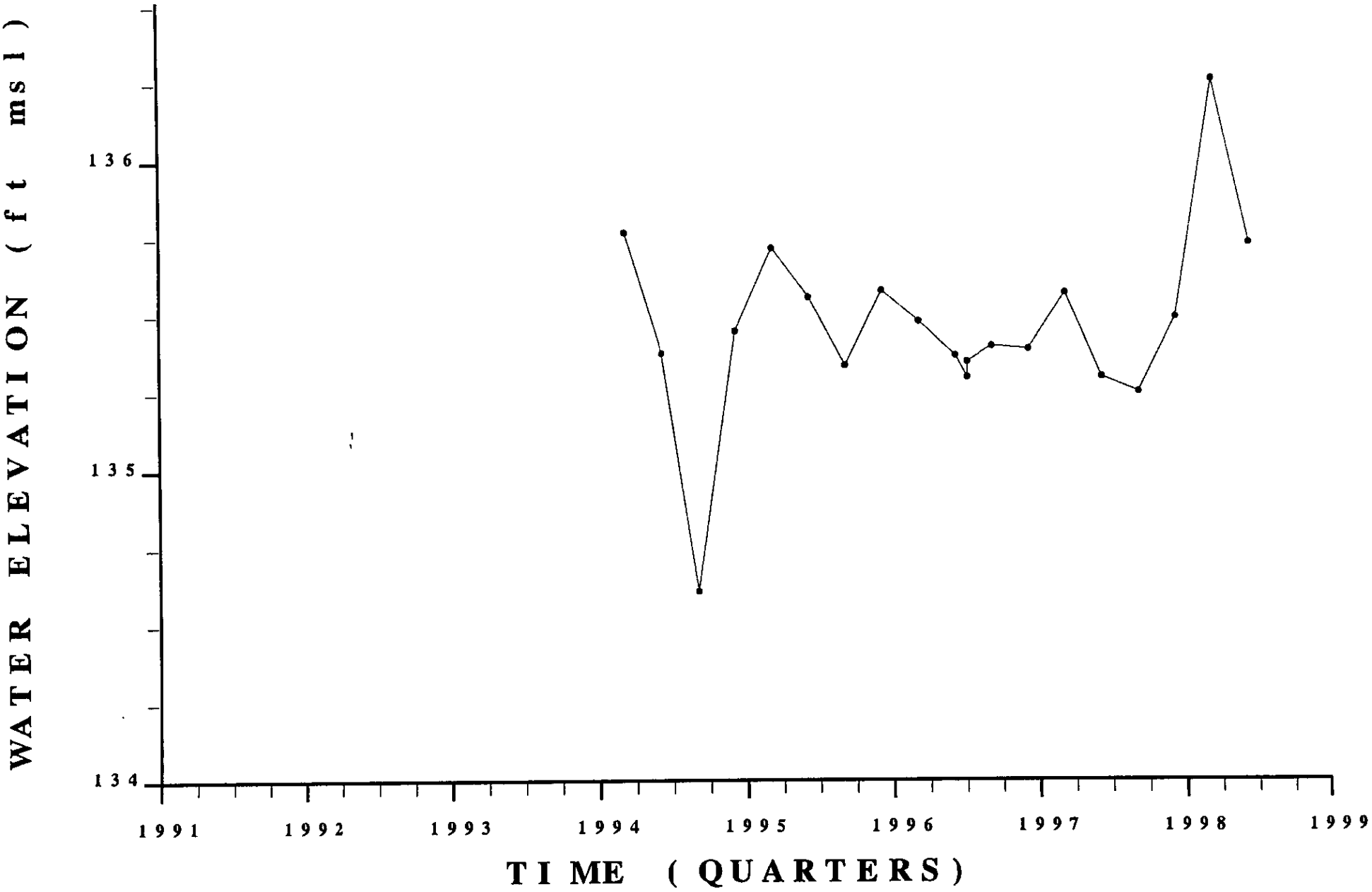

HYDROGRAPH
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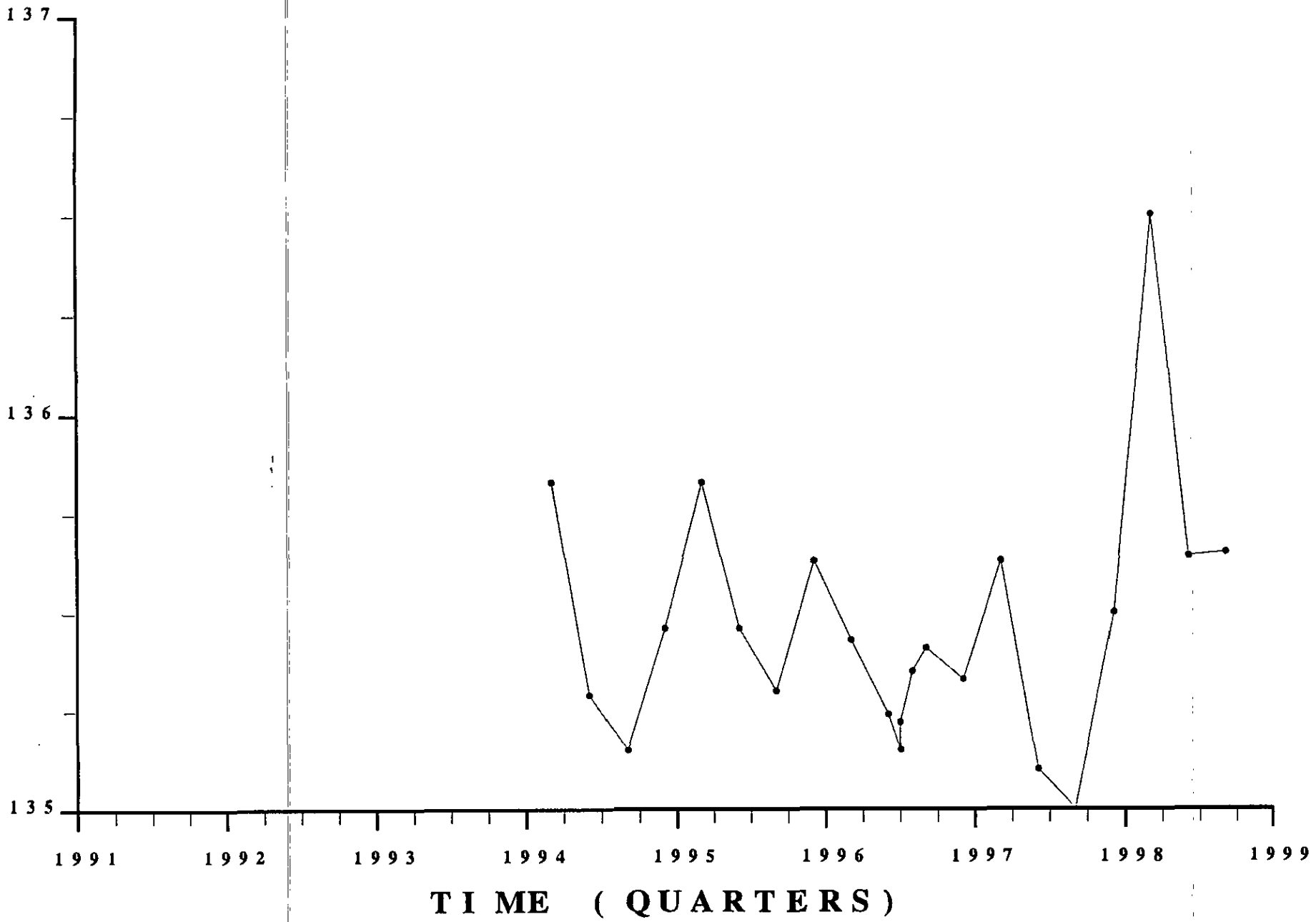
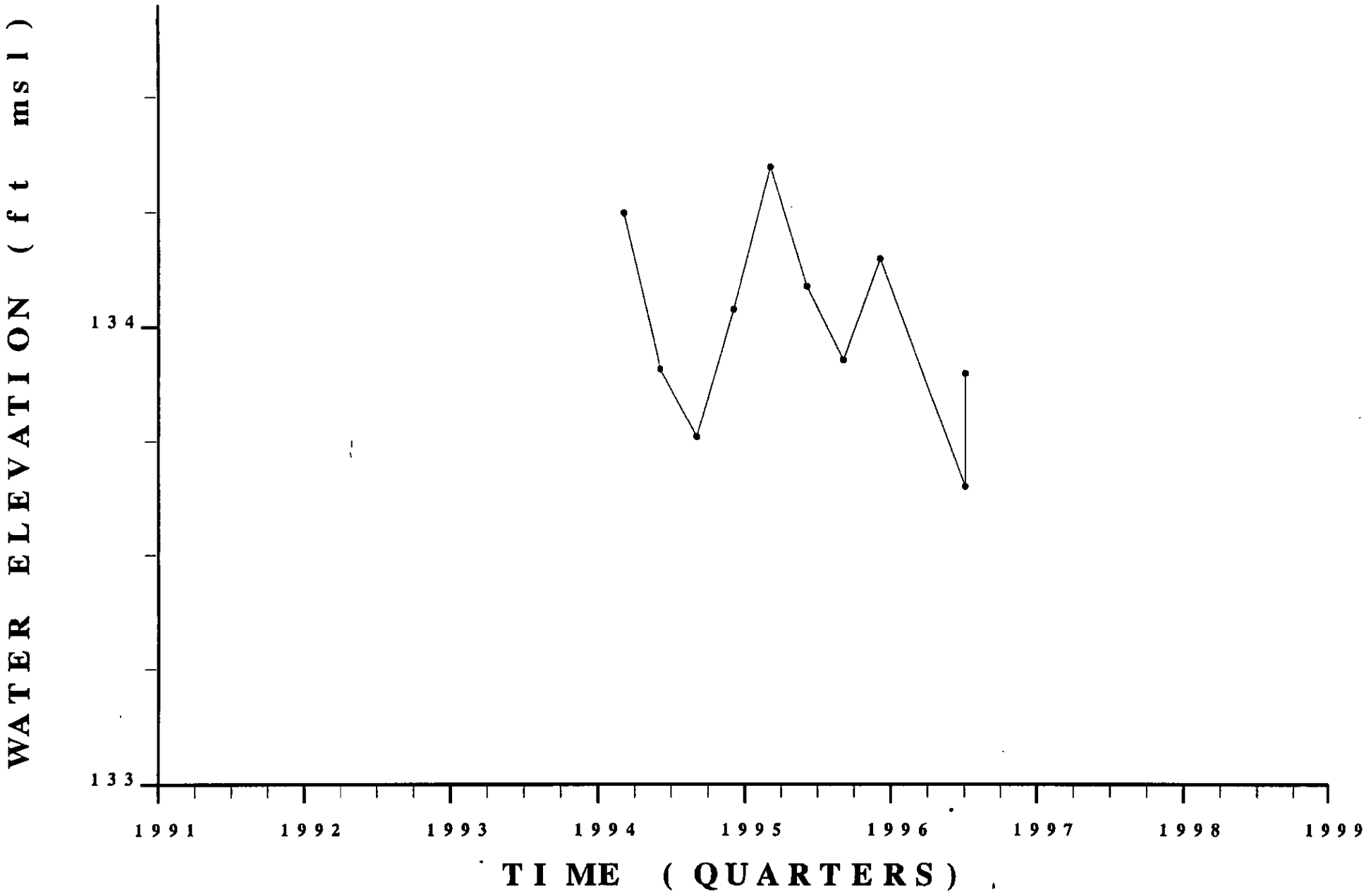
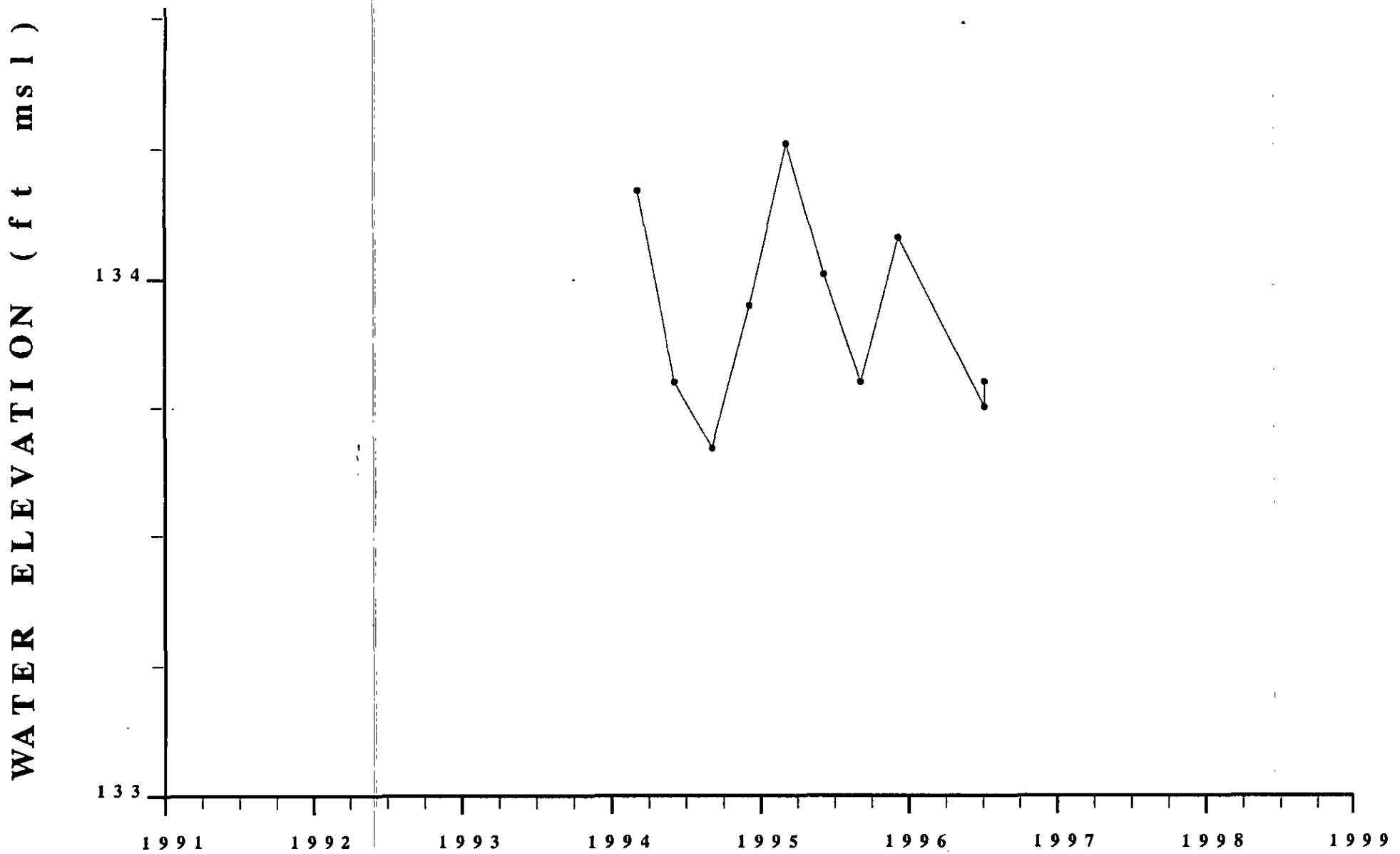


HYDROGRAPH
WELL LFW 70B



HYDROGRAPH
WELL LFW 70C



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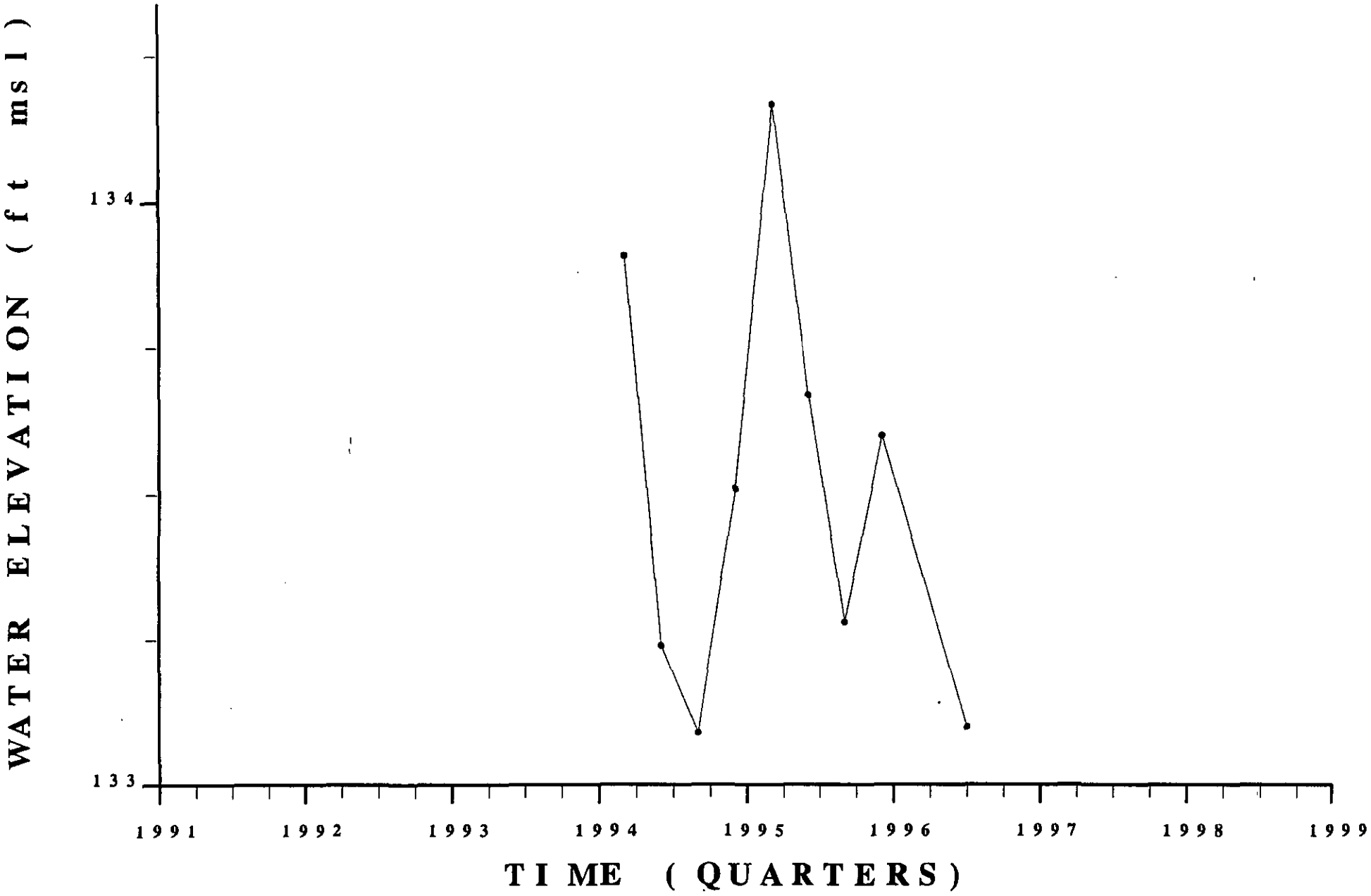

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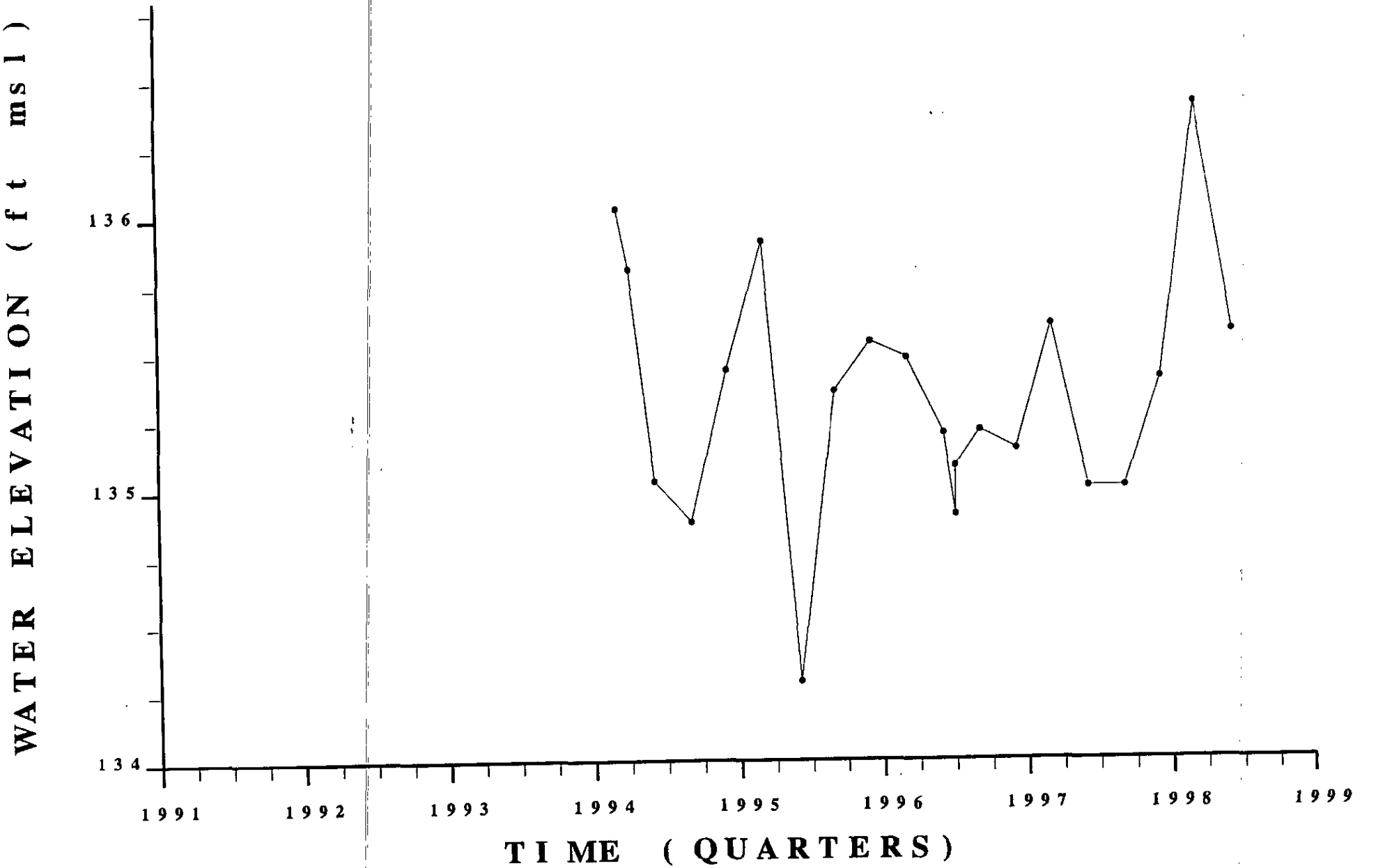
WELL LFW 71B



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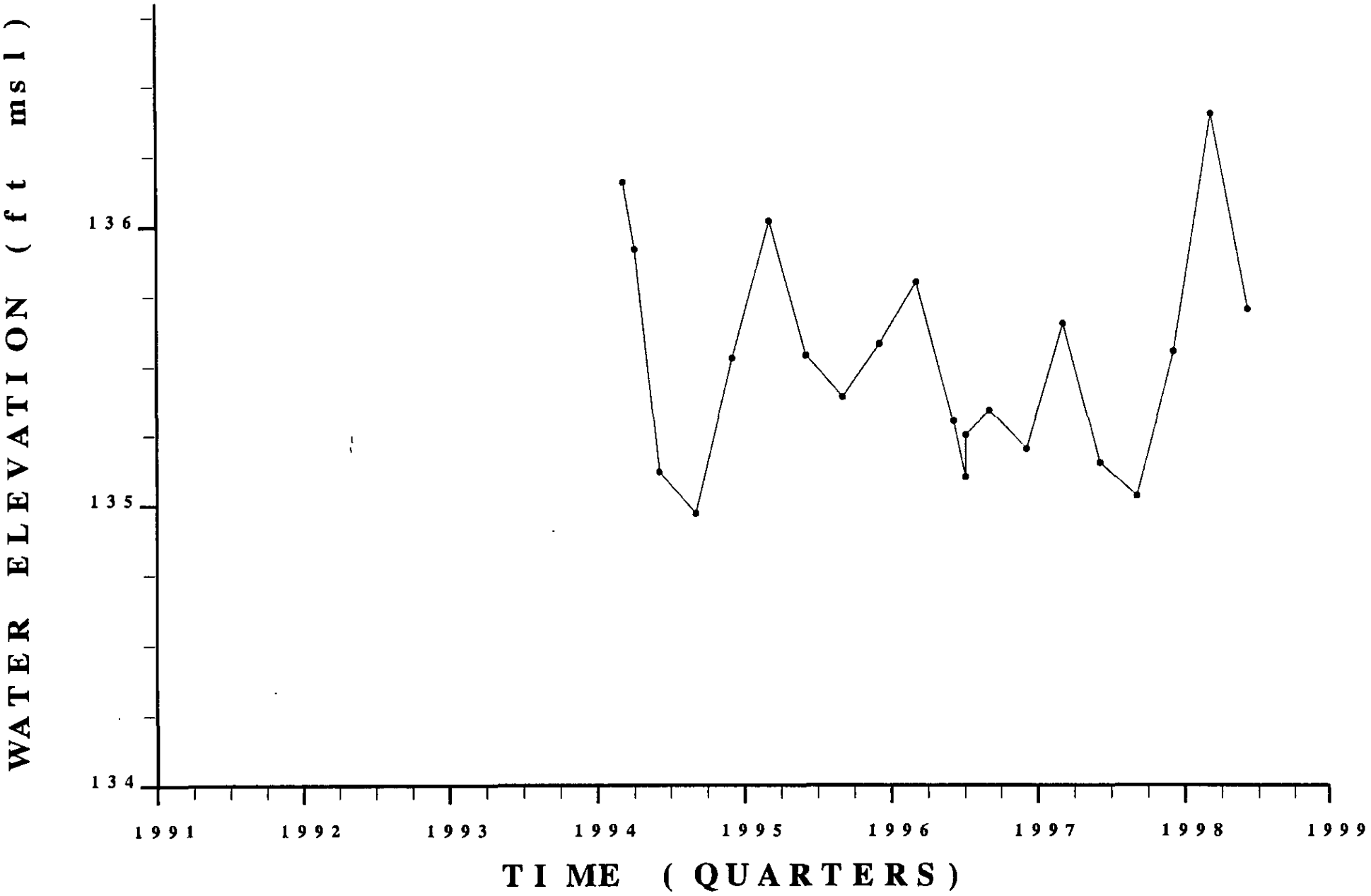
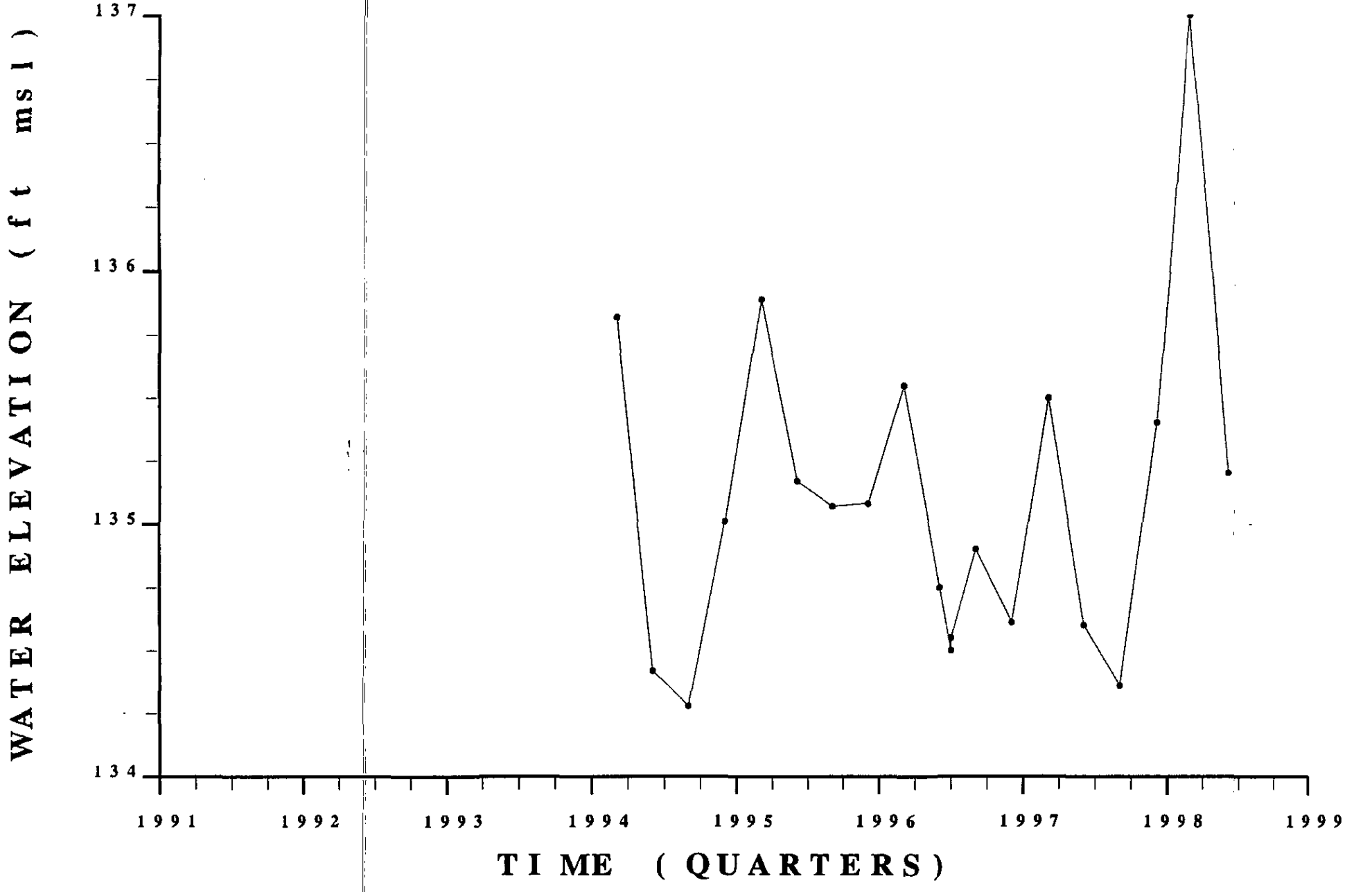
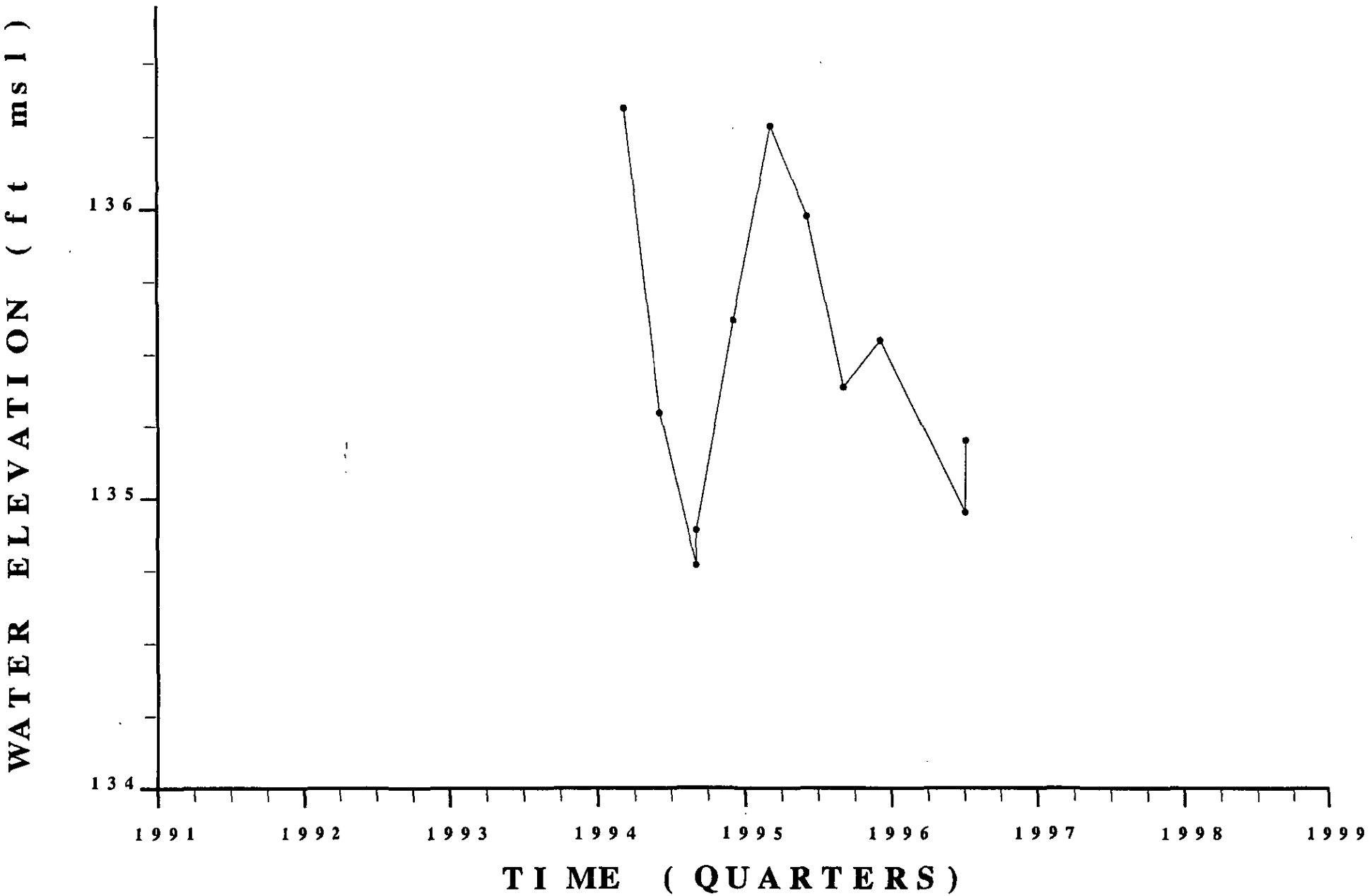


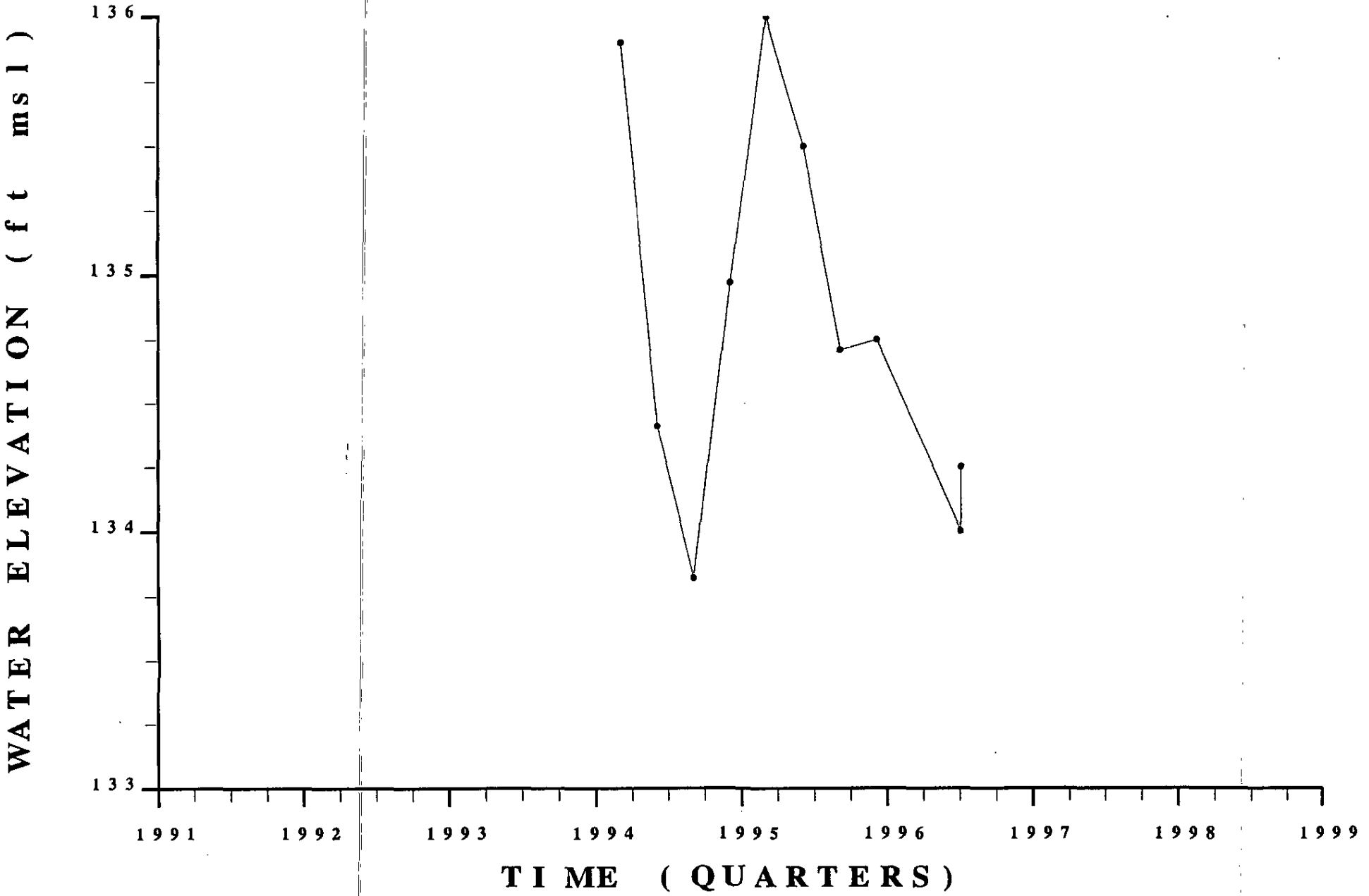
HYDROGRAPH
WELL LFW 71D



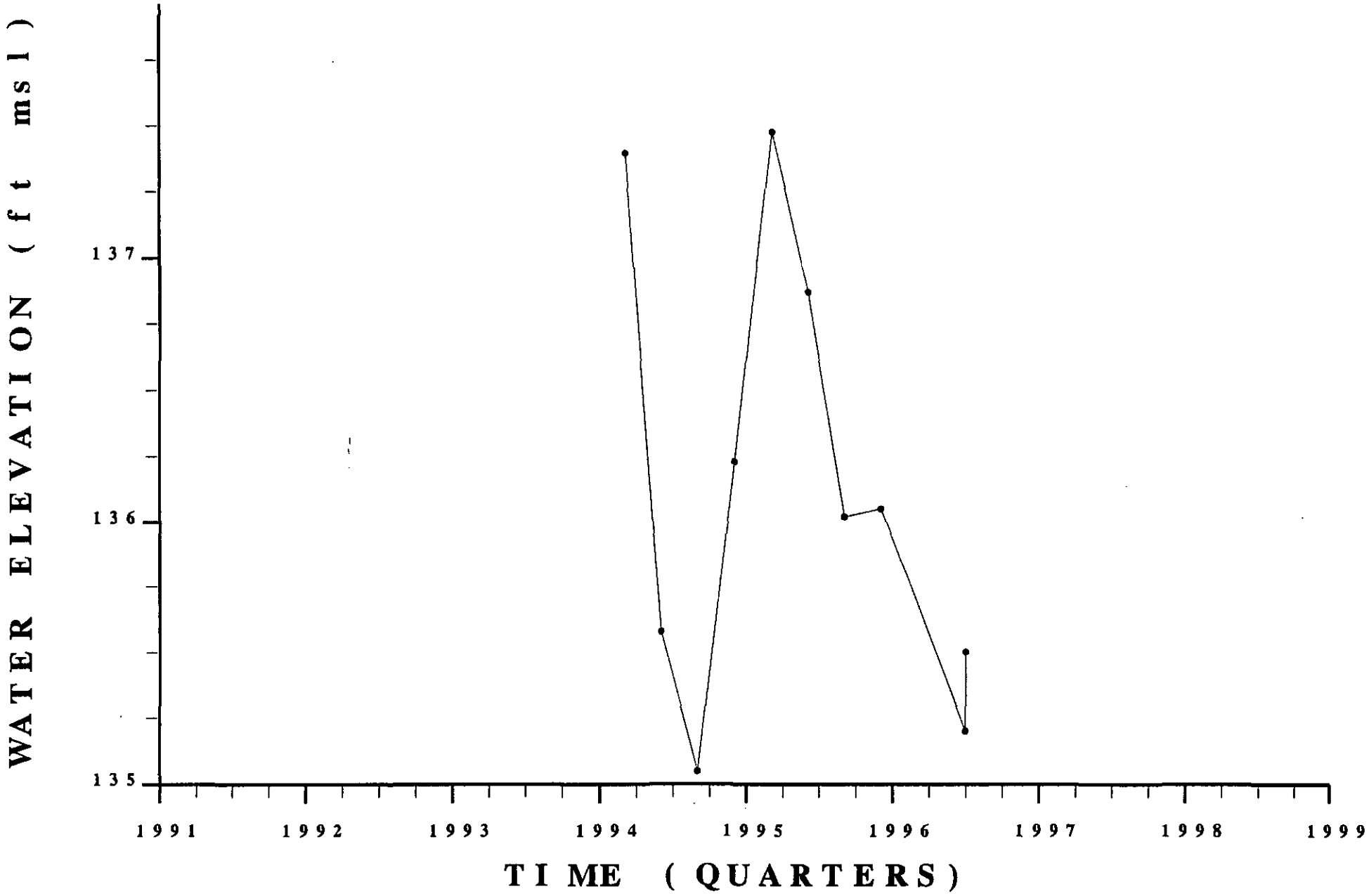
HYDROGRAPH
WELL LFW 72B



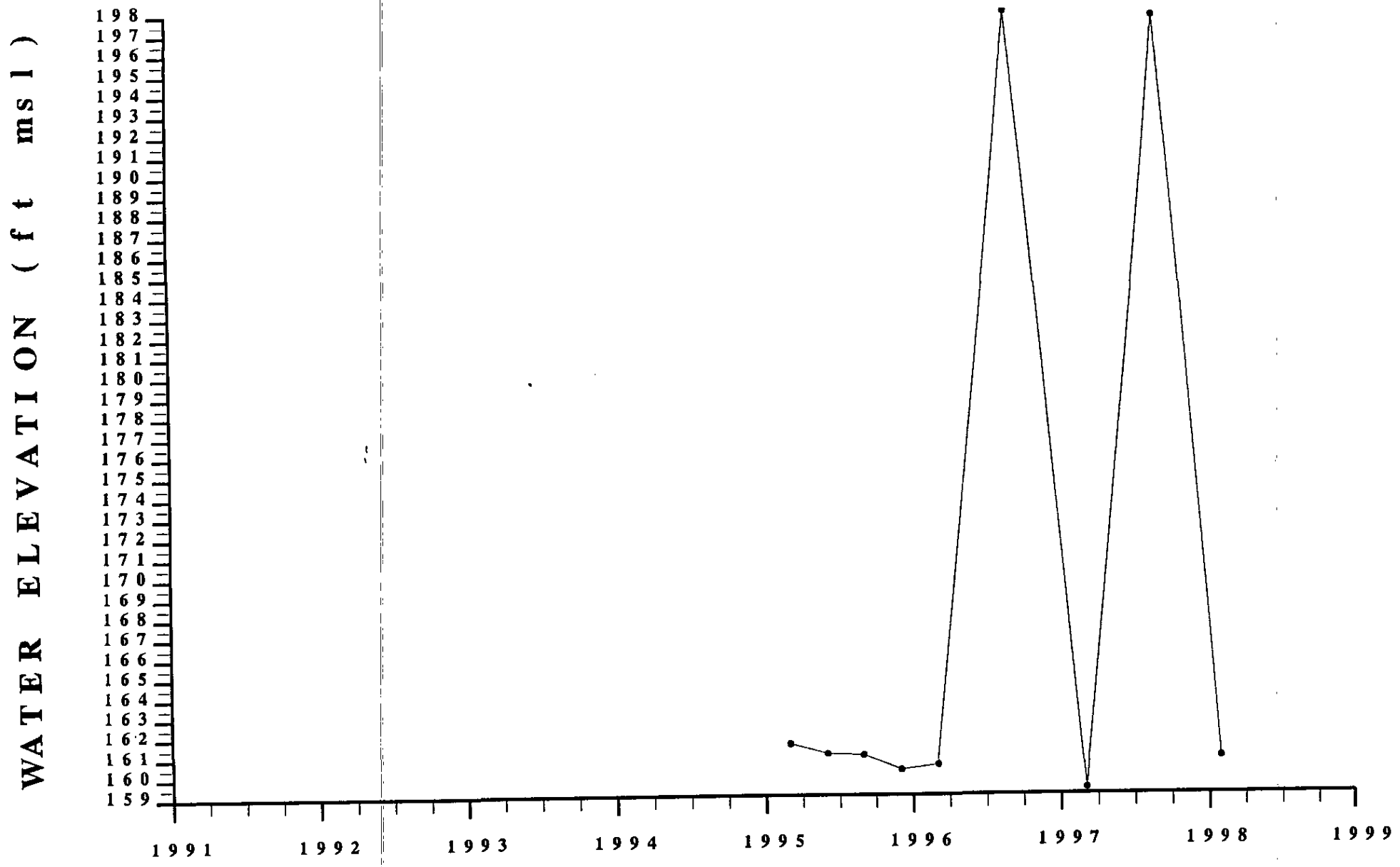
HYDROGRAPH
WELL LFW 72C



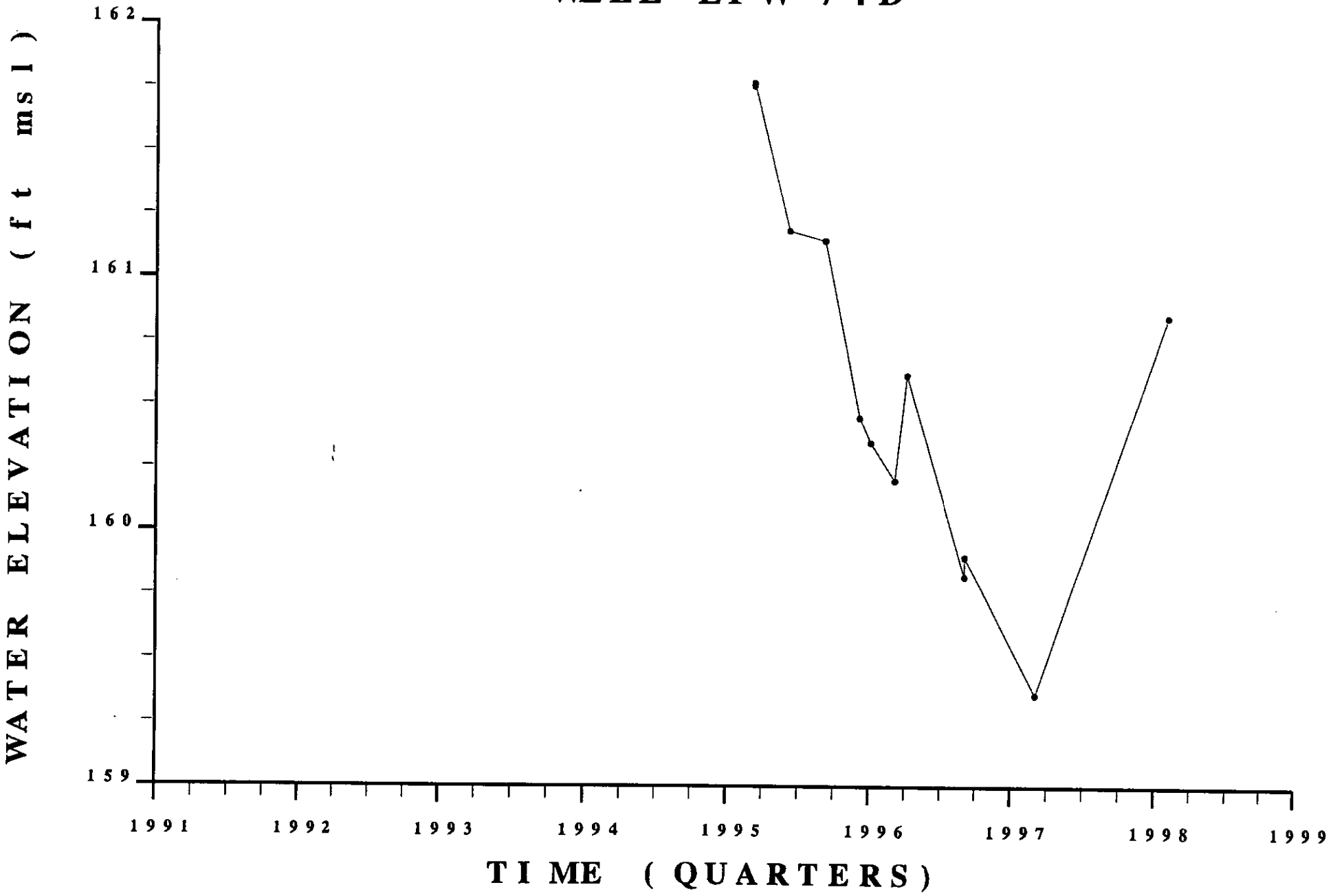
HYDROGRAPH
WELL LFW 72D



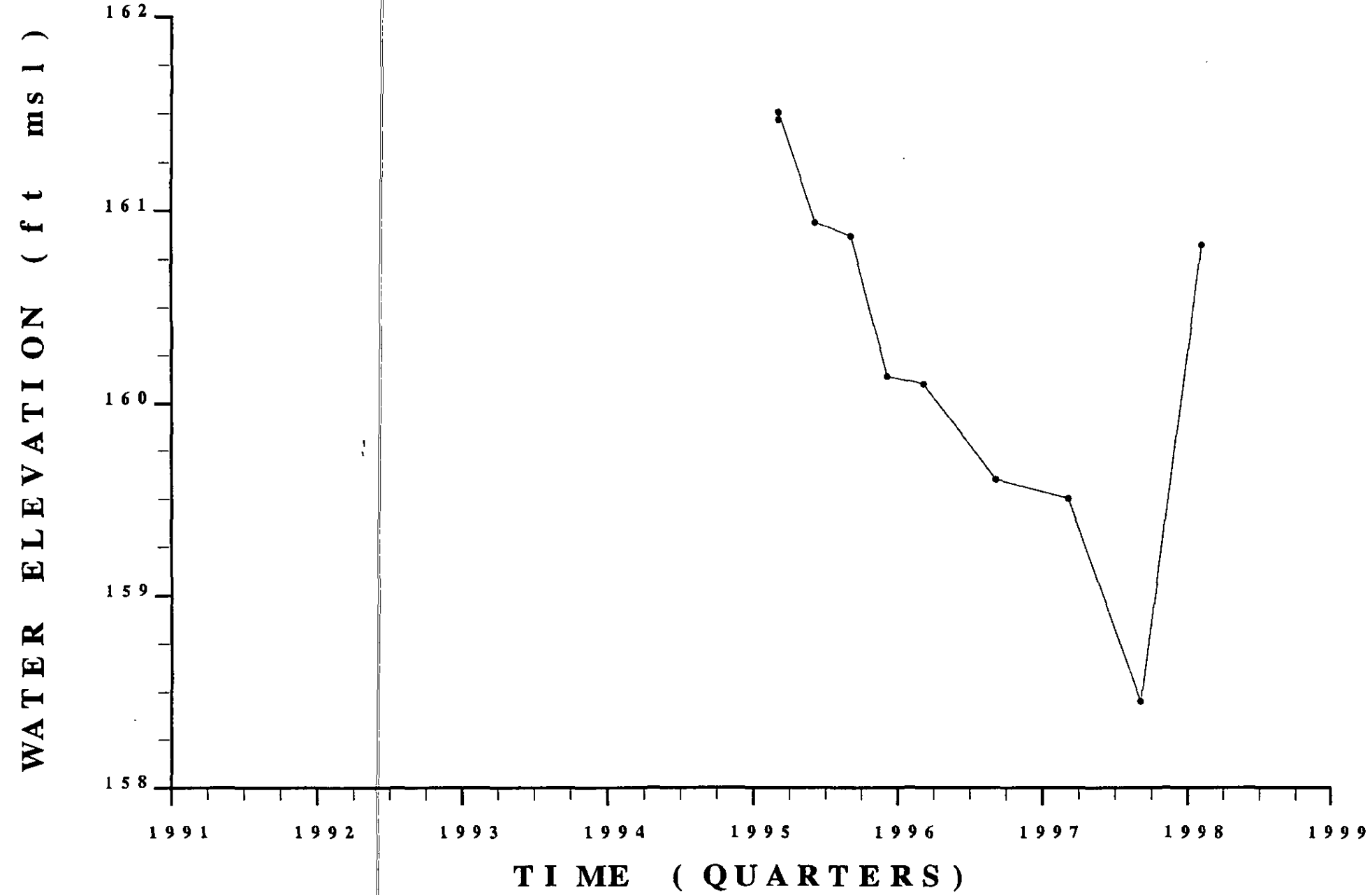
HYDROGRAPH
WELL LFW 74C



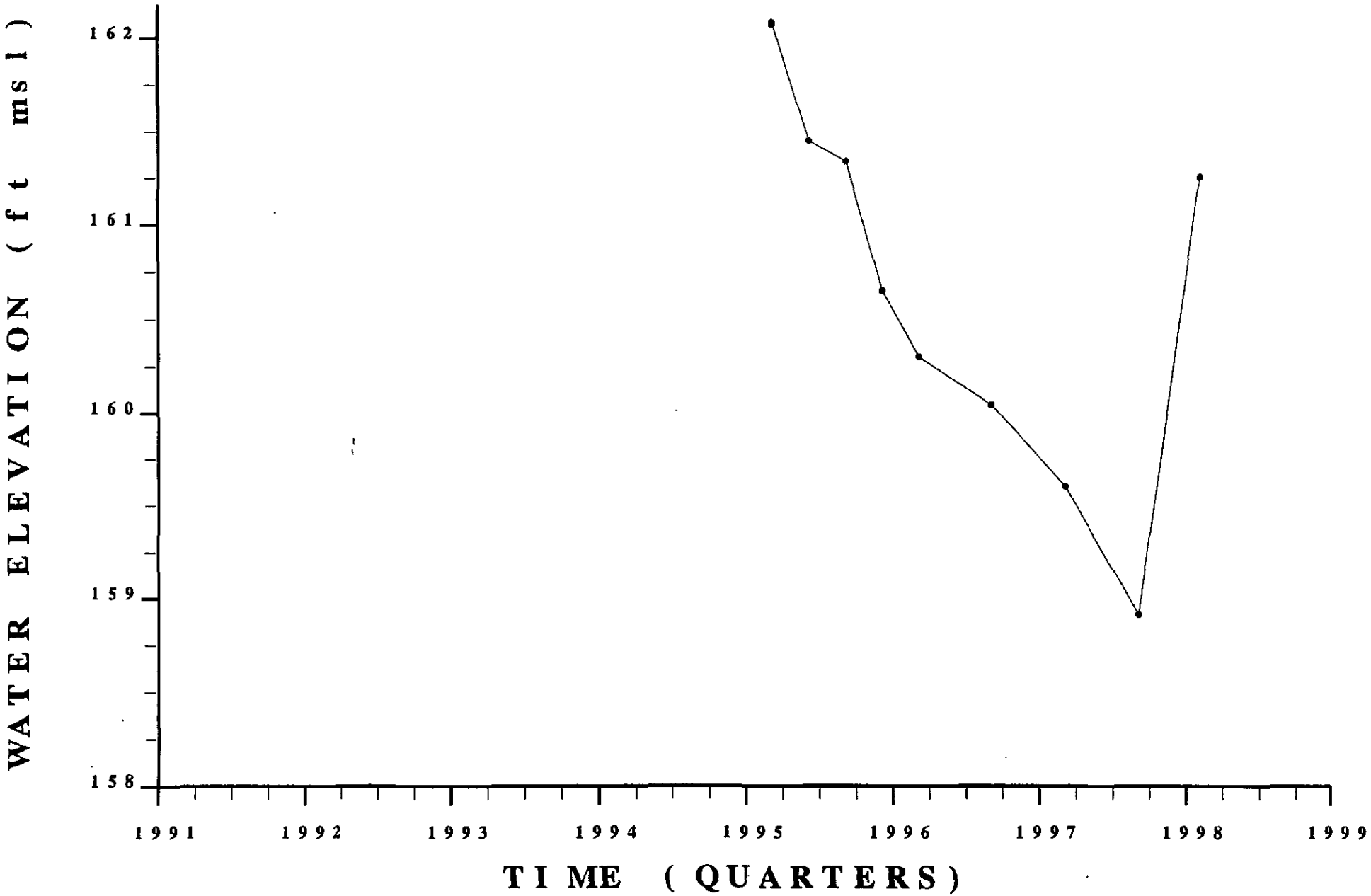
HYDROGRAPH
WELL LFW 74D



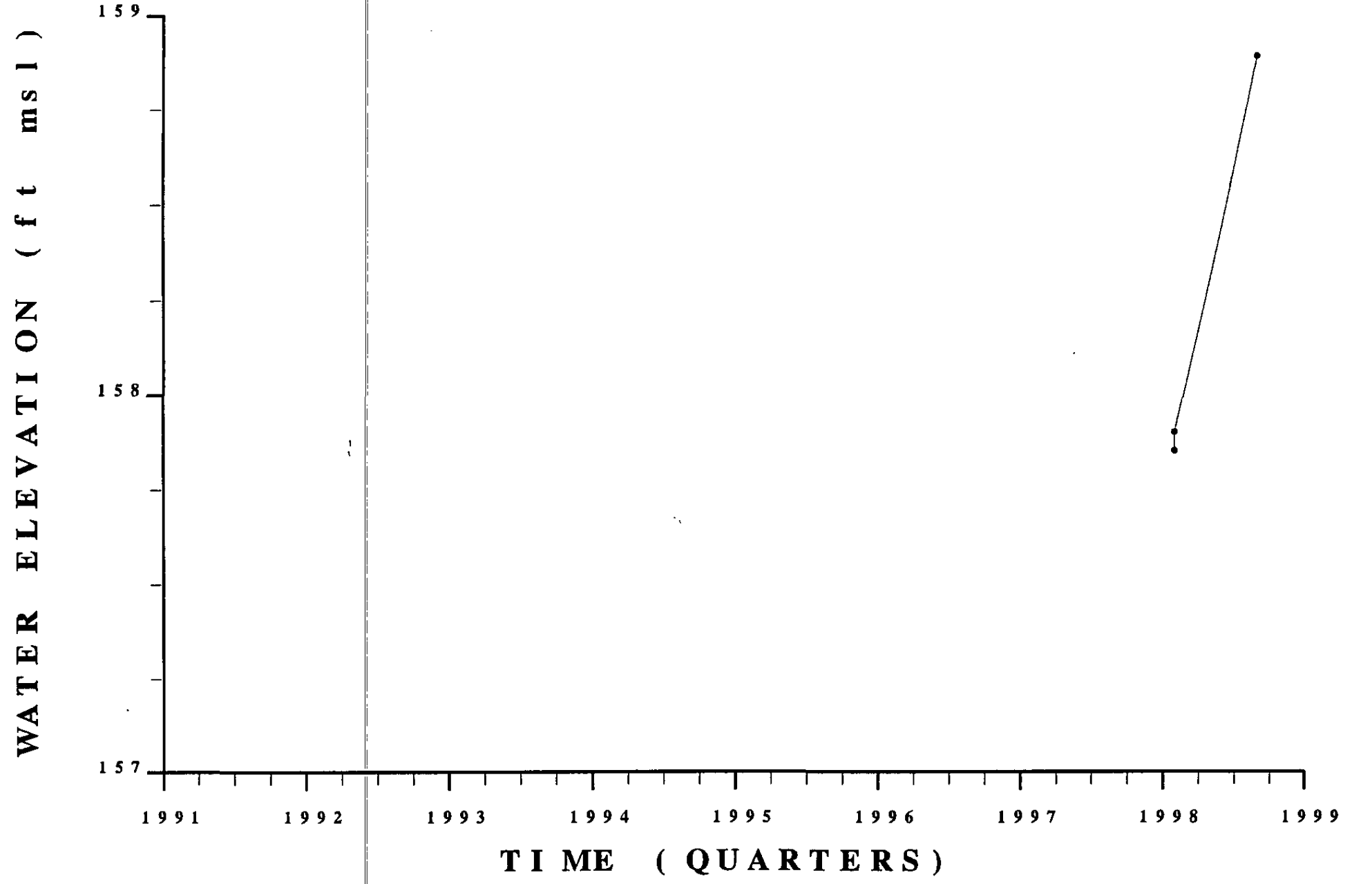
HYDROGRAPH
WELL LFW 75C



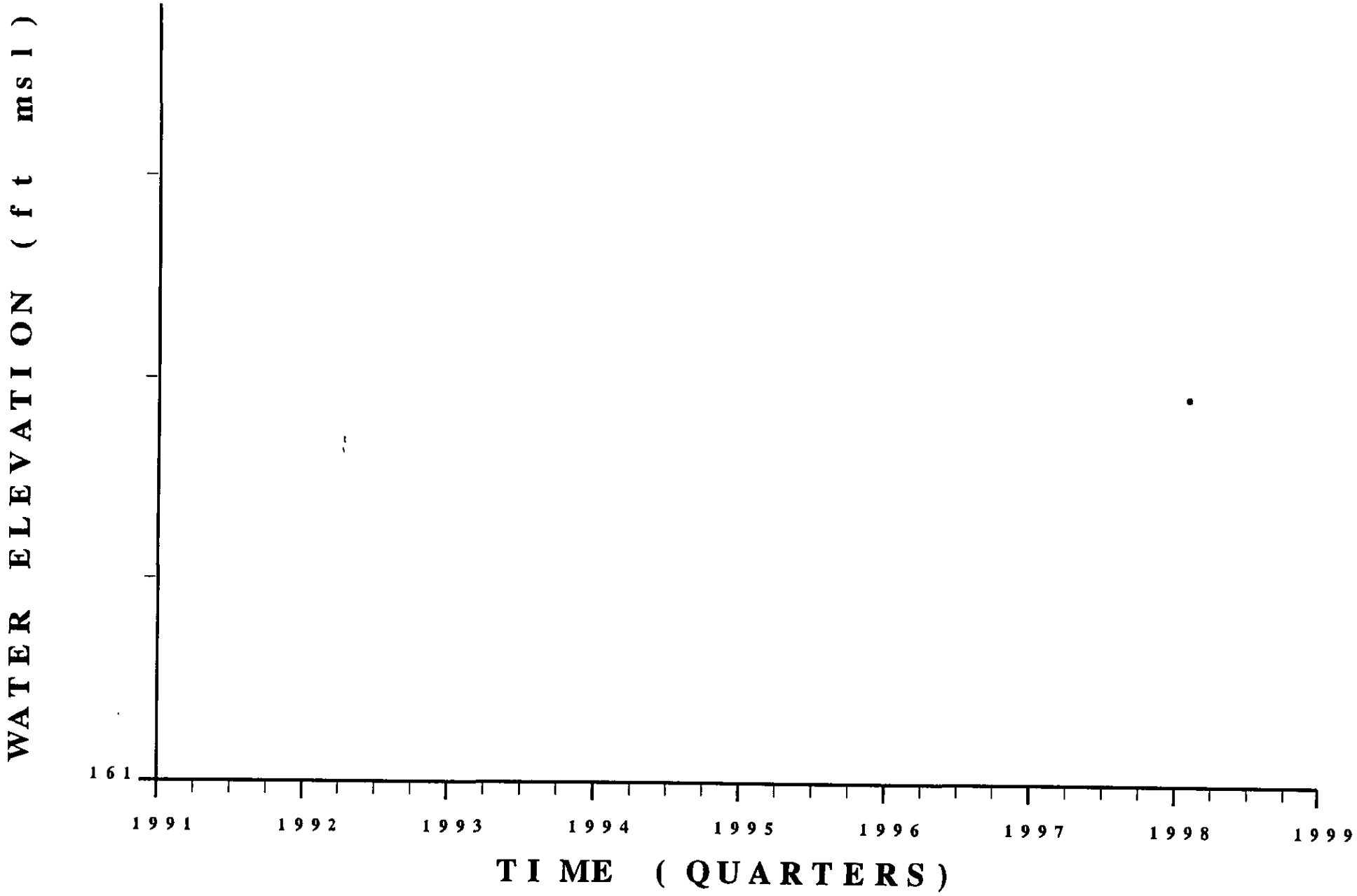
HYDROGRAPH
WELL LFW 75D



HYDROGRAPH
WELL LFW 76



HYDROGRAPH
WELL LFW 77



HYDROGRAPH
WELL LFW 78