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SANITARY LANDFILL GROUNDWATER MONITORING REPORT (U)

THIRD and FOURTH QUARTERS 2000
AND 2000 SUMMARY

Publication Date: February 2001

Key Words
LFW wells
Chloroethene (vinyl chloride)
Trichloroethylene

Authorized Derivative Classifier /
Reviewing Official

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Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

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Abstract

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

Chloroethene (vinyl chloride) and trichloroethylene were the most widespread constituent exceeding the Final Primary Drinking Water Standards during the calendar year 2000. 1,4-Dichlorobenzene, benzene, dichloromethane (methylene chloride), gross alpha, lead (total recoverable) mercury (total recoverable), thallium (total recoverable), and tritium also exceeded standards in one or more wells.

The groundwater flow direction in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill is to the southeast (universal transverse Mercator coordinates). The flow rate at this unit was approximately 118.3 ft/year during first quarter 2000 and 114.4 ft/year during fourth quarter 2000.

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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 requirements of the South Carolina Department of Health and Environmental Control (SCDHEC) Domestic Waste Permit DWP-087A and the Sanitary Landfill Groundwater Qquality Assessment Plan.

A maximum of forty wells of the LFW series monitored the groundwater quality in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill during the calendar year 2000. These wells were 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 the year 2000.

During the year 2000, samples analyzed from the monitoring wells, exhibited levels of 1,4-Dichlorobenzene, benzene, chloroethene (vinyl chloride), dichloromethane (methylene chloride), gross alpha, lead (total recoverable), mercury (total recoverable), thallium (total recoverable), trichloroethylene, and tritium that exceeded their Primary Drinking Water Standards (PDWS).

Chloroethene (vinyl chloride), and trichloroethylene were the most widespread constituents exceeding standards during 2000. Chloroethene (vinyl chloride) occurred in concentrations that exceeded its final PDWS in 9 wells during the year. Trichloroethylene occurred in concentrations that exceeded its final PDWS in 7 wells during the year. Gross alpha occurred in concentrations that exceeded its final PDWS in 6 wells during the year. Mercury (total recoverable) occurred in concentrations that exceeded its final PDWS in 4 wells during the year. Benzene occurred in concentrations that exceeded its final PDWS in 3 wells during the year. 1,4-Dichlorobenzene, dichloromethane (methylene chloride), lead (total recoverable), thallium (total recoverable) and tritium were elevated in 1 LFW well. These results are similar to the results for 1999.

The groundwater flow direction in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill is to the southeast (universal transverse Mercator coordinates) toward Upper Three Runs Creek. Estimated flow rates in this aquifer were 118.3 ft/year during first quarter 2000 and 114.4 ft/year during fourth quarter 2000. The direction and flow rates are similar to direction and flow rates recorded during 1999.

A biosparging system was constructed in 1997-1998 to address trichloroethylene and chloroethene (vinyl chloride) contamination in shallow groundwater at the Sanitary Landfill. The biosparging system stimulates the degradation of contaminants by providing nutrients and energy sources with the use of two horizontal injection wells. The system began operation in October 1999, and has been operating on two-week injection cycles since that time. An evaluation of biosparging system performance indicates that the system is effective in treating both the trichloroethylene and chloroethene (vinyl chloride) plumes.

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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 investigations, 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 main 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.
- Bio-remediation operation activities began in August 1999.
- The 2000 Part B Permit Renewal Application for the Sanitary Landfill Post Closure, Vol. XXIII, Rev. 0 was submitted March 30, 2000.

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 March 2000 for first quarter 2000, during June for second quarter 2000, during September for third quarter 2000 and during November for fourth quarter 2000.

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 2000, 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*. The 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 copper and lead (Appendix A)
- SRS flagging criteria (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 determine if groundwater quality meets 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 forty wells of the LFW series monitored groundwater quality in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill (Figure 2, Appendix C) during 2000. 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, forty 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 LFW-43. Wetland piezometers (LFP series) are also shown in Figure 2.

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 2000, no wells were abandoned or replaced.

Table D-2 (Appendix D) lists the number of well volumes purged from each of the LFW series wells during each quarter in 2000 and provides samples codes (I, P, X, etc. [see Appendix D]) that describes unusual sampling events. Although not all wells were sampled during every quarter, there were no unusual sampling events recorded in 2000. Mechanical failure was the reason for missing sampling events.

Microbial Characterization of Sanitary Landfill Groundwater

Comprehensive analysis of specific microbial populations and characterization of the metabolic activity of microbial communities can be an effective tool to predict the bioremediation potential of a natural system. These analyses can enable monitoring the activity of specific microorganisms in reducing and/or removing harmful groundwater contaminants. Total microbial population densities in seepline sediment samples were determined by the Acridine Orange Direct Count (AODC) Method. The AODC technique enumerates all present bacteria including live, dead, aerobic and anaerobic. Microbiological enumeration of methanotrophic bacteria was accomplished by the most probable number (MPN) technique with methane as the sole carbon source and fluorescent antibodies (FAs). No discernible trends were seen for 3 of the 4 time points. The microbiological, physical, and chemical data collected are presented in Tables G-1 to G-3 in Appendix G.

Biosparging of the Sanitary Landfill Area

A biosparging system was constructed in 1997-98 to address trichloroethylene (TCE) and vinyl chloride (VC) contamination in shallow groundwater at the SLF. The biosparging system stimulates the degradation of contaminants by providing nutrients and energy sources with the use of two horizontal injection wells. The system began operation in October of 1999, and has been operating on two-week injection cycles since that time. An evaluation of biosparging system performance indicates that the system is effective in treating both the TCE and VC plumes. In fact, TCE concentrations have diminished to less than the MCL (5 µg/l) in all but one of the wells monitored, and VC has been effectively treated in the southwestern portion of the Sanitary Landfill.

However, recent groundwater data show that the central region of the SLF is a primary VC source area. The existing VC plume will move downgradient beyond the influence of the VC treatment well. As a result, the greatest limitation of the biosparging system is the location of the horizontal well used for VC treatment. At the present VC plume configuration, the horizontal well used for TCE reduction is in the best position for capturing and treating the VC plume. Plans are underway to reconfigure the TCE horizontal well for VC treatment.

Table 1 below contains the volume of sparged air and volume/lbs of nutrients for SLH-1 (Figure 12). The volume of triethyle phosphate (TEP) is in ml while everything else is in standard cubic feet/minute (SCFM).

TABLE-1: Volume of Air and Nutrients Sparged into SLH-1

Month	Air	Methane	Nitrous Oxide	TEP
January (SCFM)	1405800	9028.8	180	54.8 (ml)
(lbs)		305.54	24.66	9.18
February (SCFM)	600600	4012.8	80	28.8 (ml)
(lbs)		180.24	10.96	4.08
March (SCFM)	1138500	6876	130	46.8 (ml)
(lbs)		309.12	17.81	6.63
April (SCFM)	1378145	5728	120	43.2 (ml)
(lbs)		157.76	16.44	6.12
May (SCFM)	1764000	5728	100	36 (ml)
(lbs)		157.76	13.7	5.1
June (SCFM)	1735200	5728	130	46.8 (ml)
(lbs)		157.76	17.81	6.63
July (SCFM)	1346400	5728	85	30.6 (ml)
(lbs)		157.76	11.645	4.335
August (SCFM)	1324800	6876.8	125	45 (ml)
(lbs)		309.12	17.125	6.375
September (SCFM)	1273800	8025	160	57.6 (ml)
(lbs)		360.47	21.91	8.15
October (SCFM)	1897500	12289.2	245	88.2 (ml)
(lbs)		552	33.58	12.51
November (SCFM)	1263900	8151	162.5	58.5 (ml)
(lbs)		366.11	22.26	8.29
December (SCFM)	1240800	8276.4	165	59.4 (ml)
(lbs)		371.74	22.6	8.42
TOTAL (SCFM)	16369445	86448	1682.5	595.7 (ml)
(lbs)		3385.38	230.5	85.82

Table 2 below contains the volume of air sparged into SLH-2 (Figure 12) in SCFM. No nutrients are injected in SLH-2.

Table-2: Volume of Air Sparged into SLH-2

MONTH	Volume of Air (SCFM)
January 2000	1725300
February 2000	737100
March 2000	1397250
April 2000	1547100
May 2000	1984500
June 2000	1952100
July 2000	1514700
August 2000	1497600
September 2000	1447500
October 2000	2156250
November 2000	1436250
December 2000	1410000

Biosparge Well Piezometer Readings

Vibrating wire piezometers have been used to monitor the changes in pore fluid pressures at lateral distances of 25 to 75 ft from the well alignment. Locations of these piezometers are shown on Figure 12. This type of piezometer is very effective in response time, accuracy, and stability. Value readings are obtained with a portable readout box. The values are then used in a calibration equation that has been determined for each piezometer. Compressor performance data is also collected during the piezometer reading period and can be correlated with piezometer response. The elevation of each piezometer corresponds to the elevation of the well at a given location.

During performance testing and production sparging pore fluid pressure changes were definitively monitored up to 75 ft from the well alignment. Pressure values at a distance of 75 ft indicate that pore fluid pressures are affected at a greater distance than this. Pressures, temperatures, and change values during peak injection flows are tabulated below (Table-3) for the initial production startup on May 5, 1999.

TABLE 3: Pressure Values at the SLH Wells (Figure 12).

	Well SLH-1		Well SLH-2	
Peak Compressor Flow	245 scfm		270 scfm	
	Pressure (psi)	Temperature (°F)	Pressure (psi)	Temperature (°F)
Compressor Header	16.0	71.5	15.0	73.5
Well Header	16.0		15.0	
Well Terminus	12.8		12.0	
SLH-3P (S = 50 ft)	15.2 Δ = +1.9	68.0 Δ = -0.2		
SLH-4P (S = 25 ft)	14.8 Δ = +1.6	68.2 Δ = +0.4		
SLH-5P (S = 75 ft)	no data	71.4 Δ = +3.6		
SLH-6P (S = 50 ft)	14.2 Δ = +1.2	69.1 Δ = +1.1		
SLH-7P (S = 50 ft)			13.2 Δ = +0.5	67.3 Δ = +0.2
SLH-8P (S = 25 ft)			11.8 Δ = +0.3	66.6 Δ = 0.0
SLH-9P (S = 75 ft)			11.4 Δ = +0.2	66.6 Δ = +0.6
SLH-10 (S = 50 ft)			10.7 Δ = +0.1	66.6 Δ = -0.6

Note:S = lateral distance from well alignment to piezometer (Figure 12).
D **= relative change in temperature or pressure**
Shaded boxes are information that are not applicable

Subsequent startups on May 20, 1999 and on June 14, 1999 showed similar changes in piezometer pressures and similar trends in the pressure change curves for all piezometers. Present monitoring of the piezometric pressures is performed as required throughout the year.

Modifications to Operation

From March 20, 2000 through August 7, 2000, only 8 bottles of methane were injected into the system and nutrients were not injected for the entire 8 hours. Due to the low temperatures generated during methane injection, 8 of the 16 bottles connected to the methane header were left empty and used as pressure reducers for the remaining 8 bottles. The pressure on the methane header was required to remain below 1000 psi to ensure temperatures required by the equipment rating were not maitained.

Summary of Downtime

February 21, 2000: No injections took place due to discovery of low temperatures generated during methane injections. Temperatures below the rating for the piping and other equipment on the methane line were generated due to the expansion of methane from the cylinders (2100 psi) through the line regulator (30 psi).

May 29, 2000: Air was injected for 27 hours before being shut down. No nutrients were injected. The check valve and solenoid valve on the methane line were leaking by and pressure from the air system was seen on the methane line pressure gauges. The system was shut down until this problem was resolved.

August 21, 2000: the air flow rates for each well were reduced as follows:

SLH-1	220 SCFM from 240 SCFM
SLH-2	250 SCFM from 270 SCFM

Analytical Results Exceeding Final Primary Drinking Water Standards

Results for analytes that exceeded the final PDWS (Appendix A) during each quarter in 2000 are summarized in Table D-1 (Appendix D) and described in the following text. The text includes the maximum level for each constituent following the well in which it was detected.

During first quarter 2000, 16 of the 40 LFW wells contained elevated constituents.

- 1,4-Dichlorobenzene was elevated in one well: LFW62D with a maximum concentration of 85 µg/L
- Benzene was elevated in 2 wells, LFW 62D (maximum concentration at 19 µg/L) and 67C.
- Chloroethene (vinyl chloride) was elevated in 8 wells: LFW 8R, 10A, 21, 36R, 62D, 63D, 64D, and 67C (maximum concentration at 110 µg/L).
- Gross Alpha was elevated in well LFW 69C with a maximum activity level of 16 pCi/L.
- Mercury (total recoverable) was elevated in 3 wells LFW 45D, 58D, and 60D (maximum concentration of 2.32 µg/L).
- Trichloroethylene was elevated in 7 wells: LFW 58D, 59D, 60D, 61D, 62D, 65D, and 67D (maximum concentration at 13 µg/L).
- Tritium was elevated in well LFW10A with a maximum activity of 53 pCi/mL.

During second quarter 2000, 13 of the 40 LFW wells contained elevated constituents.

- Chloroethene (vinyl chloride) was elevated in 7 wells: LFW 8R, 10A, 21, 36R, 64D, 67C (maximum concentration at 85 µg/L), and 69D.
- Gross Alpha was elevated in 3 wells: LFW 18, 23R, and 64C with a maximum activity of 22.6 pCi/L.
- Mercury (total recoverable) was elevated in well LFW 60D with a maximum concentration of 2.21 µg/L.
- Trichloroethylene was elevated in 3 wells: LFW 60D, 65D, and 67D (maximum concentration at 8.3 µg/L).
- Tritium was elevated in well LFW 10A with a maximum activity level of 71.9 pCi/mL.

During third quarter 2000, 3 of the 40 LFW wells contained elevated constituents.

- Dichloromethane (methylene chloride) was elevated in well LFW 58D with a maximum concentration of 6.4 µg/L.
- Thallium (total recoverable) was elevated in well LFW 43D with a maximum concentration of 10.1 µg/L.
- Tritium was elevated in well LFW 10A, with a maximum activity level of 56.6 pCi/mL.

During fourth quarter 2000, 14 of the 40 LFW wells contained elevated constituents.

- Benzene was elevated in well LFW10A, with a maximum concentration of 6.9 µg/L.
- Chloroethene (vinyl chloride) was elevated in 7 wells: LFW 8R, 10A, 21 (maximum concentration at 77 µg/L), 36R, 64D, 67C, and 69D.
- Gross alpha was elevated in 4 wells: LFW 8R, 23R, 64C, and 67B (maximum activity of 43.4 pCi/mL).
- Lead (total recoverable) was elevated in well LFW 68C (maximum concentration of 398 µg/L).
- Mercury (total recoverable) was elevated in well LFW 6R with a maximum concentration of 2.32 µg/L.
- Trichloroethylene was elevated in 2 wells: LFW 59D and 65D (maximum concentration at 5.6 µg/L).
- Tritium was elevated at well LFW 10A with a maximum activity of 74.9 pCi/L.

Table D-2 (Appendix D) shows the results during each quarter of 2000 for all of the constituents. 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.

Concentration maps of chloroethene, trichloroethylene, and mercury for first and fourth quarters 2000 are presented in Figures 3 through 8 (Appendix C).

Time-Trend Data

Appendix E presents time series plots for constituents that exceeded PDWS in selected wells in the Sanitary Landfill through fourth quarter 2000.

Water Levels

Hydrographs showing the water elevations through time for wells at the Sanitary Landfill are provided in Appendix F. The average water elevations in the Steed Pond Aquifer (Water Table) for each quarter of 1999 and 2000 are presented below.

Average Water Elevations at the Sanitary Landfill

Quarter	1999 Average Water Elevation (ft msl)	2000 Average Water Elevation (ft msl)
First	144.2	148.3
Second	145.4	144.1
Third	145.5	145.2
Fourth	145.3	143.1

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 2000, 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 rates 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 2000 was estimated as follows (Figure 9, Appendix C):

$$\frac{10}{0.20} \times \frac{27}{4018} = 0.324 \text{ ft/day}$$

$$0.335 \text{ ft/day} \times 365 \text{ days} \approx 118.3 \text{ ft/year}$$

The approximate groundwater flow rate in the Steed Pond Aquifer (Water Table) during fourth quarter 2000 is estimated as follows (Figure 10, Appendix C):

$$\frac{10}{0.20} \times \frac{26}{4146} = 0.314 \text{ ft/day}$$

$$0.362 \text{ ft/day} \times 365 \text{ days} \approx 114.4 \text{ ft/year}$$

Upgradient versus Downgradient Results

Wells LFW 43B, 43C, and 43D, at the northern end of the Sanitary Landfill (Figure 2), are designated upgradient wells for the Steed Pond Aquifer (Water Table). Thallium exceeded its final PDWS during the third quarter period in well LFW 43D.

During year 2000, samples analyzed from the downgradient monitoring wells, exhibited levels of 1,4-Dichlorobenzene, benzene, chloroethene (vinyl chloride), dichloromethane (methylene chloride), gross alpha, lead (total recoverable), mercury (total recoverable), trichloroethylene, and tritium that exceeded their Primary Drinking Water Standards (PDWS).

Wells LFW 28, 31, 32, 74C, 74D, 75C, 75D, 76 and 78 are also 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 40 well monitoring network. However, information provided by these wells is germane to the groundwater monitoring scheme for the Sanitary Landfill.

2000 Summary

During first quarter 2000, 14 of the 40 wells (Interim Sanitary Landfill included) contained levels of 1,4-Dichlorobenzene, benzene, chloroethene (vinyl chloride), gross alpha, mercury (total recoverable), trichloroethylene, and tritium, that exceeded the final PDWS in the groundwater beneath the Sanitary Landfill. Elevated levels of chloroethene (vinyl chloride) occurred most frequently. Chloroethene (vinyl chloride), exceeded its PDWS in 8 wells, with the highest concentration in well LFW67C at 110 ug/L.

Elevated levels of chloroethene (vinyl chloride), gross alpha, mercury (total recoverable), trichloroethylene, and tritium, exceeded their final PDWS in one or more of 13 wells at the Sanitary Landfill during second quarter 2000. Chloroethene (vinyl chloride) exceeded its PDWS in 7 wells, with the highest concentration in well LFW67C at 85 ug/L.

During third quarter 2000, 3 of the 40 LFW wells contained levels of dichloromethane (methylene chloride), thallium (total recoverable), and tritium, that exceeded the final PDWS in the groundwater beneath the Sanitary Landfill.

Elevated levels of benzene, chloroethene (vinyl chloride), gross alpha, lead (total recoverable), mercury (total recoverable), trichloroethylene, and tritium exceeded the final PDWS in 14 wells for the fourth quarter. Chloroethene (vinyl chloride) exceeded its PDWS in 7 wells with the highest concentration in well LFW 21 at 77 ug/L.

The analytical results for 2000 are similar to the results for 1999. One of the constituents gross alpha exceeded the final PDWS in the upgradient wells LFW43B, 43C, and 43D.

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 2000 was estimated to be approximately 118.3 ft/year and during fourth quarter 2000, it was estimated at approximately 114.4 ft/year. Flow directions during 2000 were very similar to 1999 findings.

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APPENDIX A

PRIMARY DRINKING WATER STANDARDS

Table A-1. Final Primary Drinking Water Standards

Analyte	Unit	Limit	Applicable Standard
1,1,1-Trichloroethane	µg/L	200	Final PDWS (EPA, 1998a)
1,1,2-Trichloroethane	µg/L	5	Final PDWS (EPA, 1998a)
1,1-Dichloroethylene	µg/L	7	Final PDWS (EPA, 1998a)
1,2,4-Trichlorobenzene	µg/L	70	Final PDWS (EPA, 1998a)
1,2-Dibromo-3-chloropropane	µg/L	0.2	Final PDWS (EPA, 1998a)
1,2-Dibromoethane	µg/L	0.05	Final PDWS (EPA, 1998a)
1,2-Dichlorobenzene	µg/L	600	Final PDWS (EPA, 1998a)
1,2-Dichloroethane	µg/L	5	Final PDWS (EPA, 1998a)
1,2-Dichloropropane	µg/L	5	Final PDWS (EPA, 1998a)
1,4-Dichlorobenzene	µg/L	75	Final PDWS (EPA, 1998a)
2,3,7,8-TCDD	µg/L	0.014	Final PDWS (EPA, 1998a)
2,4,5-TP (Silvex)	µg/L	50	Final PDWS (EPA, 1998a)
2,4-Dichlorophenoxyacetic acid	µg/L	70	Final PDWS (EPA, 1998a)
2-sec-Butyl-4,6-dinitrophenol	g/L	7	Final PDWS (EPA, 1998a)
Alachlor	µg/L	2	Final PDWS (EPA, 1998a)
Aldicarb	µg/L	3	Final PDWS (EPA, 1998a)
Aldicarb sulfone	µg/L	2	Final PDWS (EPA, 1998a)
Aldicarb sulfoxide	µg/L	4	Final PDWS (EPA, 1998a)
Antimony	µg/L	6	Final PDWS (EPA, 1998a)
Antimony, dissolved	µg/L	6	Final PDWS (EPA, 1998a)
Antimony, total recoverable	µg/L	6	Final PDWS (EPA, 1998a)
Arsenic	µg/L	50	Final PDWS (EPA, 1998a)
Arsenic, dissolved	µg/L	50	Final PDWS (EPA, 1998a)
Arsenic, total recoverable	µg/L	50	Final PDWS (EPA, 1998a)
Asbestos	Fibers/L	7,000,000	Final PDWS (EPA, 1998a)
Atrazine	µg/L	3	Final PDWS (EPA, 1998a)
Barium	µg/L	2,000	Final PDWS (EPA, 1998a)
Barium, dissolved	µg/L	2,000	Final PDWS (EPA, 1998a)
Barium, total recoverable	µg/L	2,000	Final PDWS (EPA, 1998a)
Benzene	µg/L	5	Final PDWS (EPA, 1998a)
Benzo[*a*]pyrene	µg/L	0.2	Final PDWS (EPA, 1998a)

Table A-1. Final Primary Drinking Water Standards (cont.)

Analyte	Unit	Limit	Applicable Standard
Beryllium	µg/L	4	Final PDWS (EPA, 1998a)
Beryllium, dissolved	µg/L	4	Final PDWS (EPA, 1998a)
Beryllium, total recoverable	µg/L	4	Final PDWS (EPA, 1998a)
Bis(2-ethylhexyl) phthalate	µg/L	6	Final PDWS (EPA, 1998a)
Bromodichloromethane	µg/L	100	Final PDWS (EPA, 1998a)
Bromoform	µg/L	100	Final PDWS (EPA, 1998a)
Cadmium	µg/L	5	Final PDWS (EPA, 1998a)
Cadmium, dissolved	µg/L	5	Final PDWS (EPA, 1998a)
Cadmium, total recoverable	µg/L	5	Final PDWS (EPA, 1998a)
Carbofuran	µg/L	40	Final PDWS (EPA, 1998a)
Carbon tetrachloride	µg/L	5	Final PDWS (EPA, 1998a)
Chlordane	µg/L	2	Final PDWS (EPA, 1998a)
Chlorobenzene	µg/L	100	Final PDWS (EPA, 1998a)
Chloroethene (Vinyl chloride)	µg/L	2	Final PDWS (EPA, 1998a)
Chloroform	µg/L	100	Final PDWS (EPA, 1998a)
Chromium	µg/L	100	Final PDWS (EPA, 1998a)
Chromium, dissolved	µg/L	100	Final PDWS (EPA, 1998a)
Chromium, total recoverable	µg/L	100	Final PDWS (EPA, 1998a)
cis-1,2-Dichloroethylene	µg/L	70	Final PDWS (EPA, 1998a)
Copper	µg/L	1,000	Final PDWS (SCDHEC, 1981)
Copper, dissolved	µg/L	1,000	Final PDWS (SCDHEC, 1981)
Copper, total recoverable	µg/L	1,000	Final PDWS (SCDHEC, 1981)
Cyanide	µg/L	200	Final PDWS (EPA, 1998a)
Dalapon	g/L	200	Final PDWS (EPA, 1998a)
Di(2-ethylhexyl) adipate	µg/L	400	Final PDWS (EPA, 1998a)
Dibromochloromethane	µg/L	100	Final PDWS (EPA, 1998a)
Dichloromethane	µg/L	5	Final PDWS (EPA, 1998a)
Diquat dibromide	µg/L	20	Final PDWS (EPA, 1998a)
Endothall	µg/L	100	Final PDWS (EPA, 1998a)
Endrin	µg/L	2	Final PDWS (EPA, 1998a)
Ethylbenzene	µg/L	700	Final PDWS (EPA, 1998a)
Fluoride	µg/L	4,000	Final PDWS (EPA, 1998a)
Glyphosate	µg/L	700	Final PDWS (EPA, 1998a)

Table A-1. Final Primary Drinking Water Standards (cont.)

Analyte	Unit	Limit	Applicable Standard
Gross alpha	µCi/mL	1.50E-08	Final PDWS (EPA, 1998a)
Heptachlor	µg/L	0.4	Final PDWS (EPA, 1998a)
Heptachlor epoxide	µg/L	0.2	Final PDWS (EPA, 1998a)
Hexachlorobenzene	µg/L	1	Final PDWS (EPA, 1998a)
Hexachlorocyclopentadiene	µg/L	50	Final PDWS (EPA, 1998a)
Lead	µg/L	50	Final PDWS (SCDHEC, 1981)
Lead, dissolved	µg/L	50	Final PDWS (SCDHEC, 1981)
Lead, total recoverable	µg/L	50	Final PDWS (SCDHEC, 1981)
Lindane	µg/L	0.2	Final PDWS (EPA, 1998a)
Mercury	µg/L	2	Final PDWS (EPA, 1998a)
Mercury, dissolved	µg/L	2	Final PDWS (EPA, 1998a)
Mercury, total recoverable	µg/L	2	Final PDWS (EPA, 1998a)
Methoxychlor	µg/L	40	Final PDWS (EPA, 1998a)
Nickel	µg/L	100	Final PDWS (EPA, 1998a)
Nickel, dissolved	µg/L	100	Final PDWS (EPA, 1998a)
Nickel, total recoverable	µg/L	100	Final PDWS (EPA, 1998a)
Nitrate as nitrogen	µg/L	10,000	Final PDWS (EPA, 1998a)
Nitrate-nitrite as nitrogen	µg/L	10,000	Final PDWS (EPA, 1998a)
Nitrite as nitrogen	µg/L	1,000	Final PDWS (EPA, 1998a)
Oxamyl	µg/L	200	Final PDWS (EPA, 1998a)
PCB 1016	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1221	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1232	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1242	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1248	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1254	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1260	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1262	µg/L	0.5	Final PDWS (EPA, 1998a)
Pentachlorophenol	µg/L	1	Final PDWS (EPA, 1998a)
Picloram	µg/L	500	Final PDWS (EPA, 1998a)
Selenium	µg/L	50	Final PDWS (EPA, 1998a)
Selenium, dissolved	µg/L	50	Final PDWS (EPA, 1998a)
Selenium, total recoverable	µg/L	50	Final PDWS (EPA, 1998a)

Table A-1. Final Primary Drinking Water Standards (cont.)

Analyte	Unit	Limit	Applicable Standard
Simazine	µg/L	4	Final PDWS (EPA, 1998a)
Strontium-89/90✪	µCi/mL	8.00E-09	Final PDWS (EPA, 1998a)
Strontium-90	µCi/mL	8.00E-09	Final PDWS (EPA, 1998a)
Styrene	µg/L	100	Final PDWS (EPA, 1998a)
Tetrachloroethylene	µg/L	5	Final PDWS (EPA, 1998a)
Thallium	µg/L	2	Final PDWS (EPA, 1998a)
Thallium, dissolved	µg/L	2	Final PDWS (EPA, 1998a)
Thallium, total recoverable	µg/L	2	Final PDWS (EPA, 1998a)
Toluene	µg/L	1,000	Final PDWS (EPA, 1998a)
Total coliform	N/A	0	Final PDWS (EPA, 1998a)
Toxaphene	µg/L	3	Final PDWS (EPA, 1998a)
trans-1,2-Dichloroethylene	µg/L	100	Final PDWS (EPA, 1998a)
Trichloroethylene	µg/L	5	Final PDWS (EPA, 1998a)
Tritium	µCi/mL	2.00E-05	Final PDWS (EPA, 1998a)
Xylenes	µg/L	10000	Final PDWS (EPA 1998a)

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Appendix B

Flagging Criteria

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Flagging Criteria

Analyte concentrations in the data tables are compared to flagging level 2 as provided in the following table. Beginning first quarter 1992, flagging criteria were established for constituents being analyzed as part of the WSRC Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) Groundwater Monitoring Program, except for certain aesthetic constituents, indicator parameters, major cations, and common laboratory contaminants and cleaners. If the result exceeded the Flag 2 limit, a "> Flag 2" value was placed in the "Filt." column of the data table.

The Flag 2 criterion for a constituent was set as the EPA final primary drinking water standard, the EPA proposed primary drinking water standard, or the EPA secondary drinking water standard for that constituent. If a constituent did not have a drinking water standard, the Flag 2 criterion was set as 10 times a recently published 90th percentile detection limit obtained by one of the primary laboratories.

The following acronyms are used as abbreviated sources in the flagging criteria table. Complete information concerning documents cited can be found in the **References** section of this report.

APHA ¾ American Public Health Association.

APHA Method ¾ A specific analytical method for testing constituent levels in a sample as established by the APHA, American Water Works Association, and Water Pollution Control Federation. See American Public Health Association et al. in **References**.

EPA ¾ U.S. Environmental Protection Agency.

EPA Method ¾ A specific analytical method for testing constituent levels. Descriptions of these methods can be found in the EPA publications *Methods for Chemical Analysis of Water and Wastes* (1983) and *Test Methods for Evaluating Solid Waste* (1986b) and in the 1991 *Code of Federal Regulations*, Title 40, Part 136. See Environmental Protection Agency in **References**.

EPD/EMS ¾ The Environmental Protection Department/Environmental Monitoring Section at the Savannah River Site.

PDWS ¾ Primary Drinking Water Standards.

SCDHEC ¾ South Carolina Department of Health and Environmental Control.

SDWS ¾ Secondary Drinking Water Standards.

Table B-1. EMS Flagging Limits / Drinking Water Standards

Analyte	Unit	Flag 2	Source†
Acenaphthene	µg/L	10.2	EPA Method 8270
Acenaphthylene	µg/L	10.2	EPA Method 8270
Acetone	µg/L	1,000	Set by EPD/EMS
Acetonitrile (Methyl cyanide)	µg/L	100	EPA Method 8240
Acetophenone	µg/L	170	EPA Method 8270
2-Acetylaminofluorene	µg/L	162	EPA Method 8270
Acrolein	µg/L	333	EPA Method 8240
Acrylonitrile	µg/L	500	EPA Method 8240
Actinium-228	µCi/mL	3.27E-06	Proposed PDWS (EPA, 1991c)
Alachlor	µg/L	2.0	Final PDWS (EPA, 1998a)
Aldicarb	µg/L	3.0	Final PDWS (EPA, 1998a)
Aldicarb sulfone	µg/L	2.0	Final PDWS (EPA, 1998a)
Aldicarb sulfoxide	µg/L	4.0	Final PDWS (EPA, 1998a)
Aldrin	µg/L	0.8	EPA Method 8080
Alkalinity (as $CaCO_3$)		No flag	Set by EPD/EMS
Allyl chloride	µg/L	833	EPA Method 8240
Aluminum	µg/L	50	SDWS (EPA, 1998b)
Aluminum, dissolved	µg/L	50	SDWS (EPA, 1998b)
Aluminum, total recoverable	µg/L	50	SDWS (EPA, 1998b)
Americium-241	µCi/mL	6.34E-09	Proposed PDWS (EPA, 1991c)
Americium-243	µCi/mL	6.37E-09	Proposed PDWS (EPA, 1991c)
4-Aminobiphenyl	µg/L	162	EPA Method 8270
Ammonia	µg/L	500	APHA Method 417B
Ammonia nitrogen	µg/L	1,000	EPA Method 350.1
Aniline	µg/L	162	EPA Method 8270
Anthracene	µg/L	10.2	EPA Method 8270
Antimony	µg/L	6.0	Final PDWS (EPA, 1998a)
Antimony, dissolved	µg/L	6.0	Final PDWS (EPA, 1998a)
Antimony, total recoverable	µg/L	6.0	Final PDWS (EPA, 1998a)
Antimony-124	µCi/mL	6.0E-08	Interim Final PDWS (EPA, 1977)
Antimony-125	µCi/mL	3.0E-07	Interim Final PDWS (EPA, 1977)
Aramite	µg/L	162	EPA Method 8270

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Arsenic	µg/L	50	Final PDWS (EPA, 1998a)
Arsenic, dissolved	µg/L	50	Final PDWS (EPA, 1998a)
Arsenic, total recoverable	µg/L	50	Final PDWS (EPA, 1998a)
Asbestos	Fibers/L	7,000,000	Final PDWS (EPA, 1998a)
Atrazine	µg/L	3.0	Final PDWS (EPA, 1998a)
Azobenzene	µg/L	100	EPA Method 625
Barium	µg/L	2,000	Final PDWS (EPA, 1998a)
Barium, dissolved	µg/L	2,000	Final PDWS (EPA, 1998a)
Barium, total recoverable	µg/L	2,000	Final PDWS (EPA, 1998a)
Barium-133	µCi/mL	1.52E-06	Proposed PDWS (EPA, 1991c)
Barium-140❖	µCi/mL	9.0E-08	Interim Final PDWS (EPA, 1977)
Benzene	µg/L	5.0	Final PDWS (EPA, 1998a)
alpha-Benzene hexachloride	µg/L	0.3	EPA Method 8080
beta-Benzene hexachloride	µg/L	0.5	EPA Method 8080
delta-Benzene hexachloride	µg/L	0.5	EPA Method 8080
Benzidine	µg/L	167	EPA Method 8270
Benzo[*a*]anthracene	µg/L	0.1	Proposed PDWS (EPA, 1990)
Benzo[*b*]fluoranthene	µg/L	0.2	Proposed PDWS (EPA, 1990)
Benzo[*k*]fluoranthene	µg/L	0.2	Proposed PDWS (EPA, 1990)
Benzoic acid	µg/L	10	PA Method 8270
Benzo[*g,h,i*]perylene	µg/L	10.2	EPA Method 8270
Benzo[*a*]pyrene	µg/L	0.2	Final PDWS (EPA, 1998a)
1,4-Benzoquinone	µg/L	100	EPA Method 8270
Benzyl alcohol	µg/L	10	EPA Method 8270
Beryllium	µg/L	4.0	Final PDWS (EPA, 1998a)
Beryllium, dissolved	µg/L	4.0	Final PDWS (EPA, 1998a)
Beryllium, total recoverable	µg/L	4.0	Final PDWS (EPA, 1998a)
Beryllium-7	µCi/mL	6.0E-06	Interim Final PDWS (EPA, 1977)
5-day Biochemical oxygen demand		No flag	Set by EPD/EMS
Bis(2-chloroethoxy) methane	µg/L	10.2	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	10.2	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	200	EPA Method 8270
Bis(chloromethyl) ether	µg/L	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate	µg/L	6.0	Final PDWS (EPA, 1998a)
Bismuth-214	µCi/mL	1.89E-05	Proposed PDWS (EPA, 1991c)

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Boron	µg/L	5,000	EPA Method 6010
Boron, dissolved	µg/L	5,000	EPA Method 6010
Boron, total recoverable	µg/L	5,000	EPA Method 6010
Bromide	µg/L	10,000	EPA Method 300.0
Bromobenzene	µg/L	50	EPA Method 8260
Bromochloromethane	µg/L	10	EPA Method 8260
Bromodichloromethane	µg/L	100	Final PDWS (EPA, 1998a)
Bromoform	µg/L	100	Final PDWS (EPA, 1998a)
Bromomethane	µg/L	20	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	10.2	EPA Method 8270
2-sec-Butyl-4,6-dinitrophenol	g/L	7.0	Final PDWS (EPA, 1998a)
n-Butylbenzene	µg/L	10	EPA Method 8260
sec-Butylbenzene	µg/L	10	EPA Method 8260
tert-Butylbenzene	µg/L	10	EPA Method 8260
Butylbenzyl phthalate		No flag	Set by EPD/EMS
Cadmium	µg/L	5.0	Final PDWS (EPA, 1998a)
Cadmium, dissolved	µg/L	5.0	Final PDWS (EPA, 1998a)
Cadmium, total recoverable	µg/L	5.0	Final PDWS (EPA, 1998a)
Calcium		No flag	Set by EPD/EMS
Calcium, dissolved		No flag	Set by EPD/EMS
Calcium, total recoverable		No flag	Set by EPD/EMS
Carbofuran	µg/L	40	Final PDWS (EPA, 1998a)
Carbon disulfide	µg/L	50	EPA Method 8240
Carbon tetrachloride	µg/L	5.0	Final PDWS (EPA, 1998a)
Carbon-14	µCi/mL	2.0E-06	Interim Final PDWS (EPA, 1977)
Carbonate		No flag	Set by EPD/EMS
Cerium-141❖	µCi/mL	3.0E-07	Interim Final PDWS (EPA, 1977)
Cerium-144	µCi/mL	2.61E-07	Proposed PDWS (EPA, 1991c)
Cesium-134❖	µCi/mL	8.13E-08	Proposed PDWS (EPA, 1991c)
Cesium-137	µCi/mL	2.0E-07	Interim Final PDWS (EPA, 1977)
Chemical Oxygen Demand		No flag	Set by EPD/EMS
Chlordane	µg/L	2.0	Final PDWS (EPA, 1998a)
alpha-Chlordane	µg/L	0.5	EPA Method 8080
gamma-Chlordane	µg/L	0.5	EPA Method 8080
Chloride	µg/L	250,000	SDWS (EPA, 1998b)
4-Chloroaniline	µg/L	10	EPA Method 8270

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Chlorobenzene	µg/L	100	Final PDWS (EPA, 1998a)
Chlorobenzilate	µg/L	162	EPA Method 8270
Chloroethane	µg/L	20	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	2.0	Final PDWS (EPA, 1998a)
Chloroethyl vinyl ether	µg/L	10	EPA Method 8240
2-Chloroethyl vinyl ether	µg/L	100	EPA Method 8240
Chloroform	µg/L	100	Final PDWS (EPA, 1998a)
4-Chloro-m-cresol	µg/L	10.2	EPA Method 8270
Chloromethane	µg/L	20	EPA Method 8240
2-Chloronaphthalene	µg/L	10.2	EPA Method 8240
2-Chlorophenol	µg/L	10.2	EPA Method 8270
4-Chlorophenyl phenyl ether	µg/L	10.2	EPA Method 8270
Chloroprene	µg/L	3,330	EPA Method 8240
2-Chlorotoluene	µg/L	50	EPA Method 8260
4-Chlorotoluene	µg/L	10	EPA Method 8260
Chromium	µg/L	100	Final PDWS (EPA, 1998a)
Chromium, dissolved	µg/L	100	Final PDWS (EPA, 1998a)
Chromium, total recoverable	µg/L	100	Final PDWS (EPA, 1998a)
Chromium-51❖	µCi/mL	6.0E-06	Interim Final PDWS (EPA, 1977)
Chrysene	µg/L	0.2	Proposed PDWS (EPA, 1990)
Cobalt	µg/L	100	EPA Method 6010
Cobalt, dissolved	µg/L	100	EPA Method 6010
Cobalt, total recoverable	µg/L	100	EPA Method 6010
Cobalt-57	µCi/mL	1.0E-06	Interim Final PDWS (EPA, 1977)
Cobalt-58	µCi/mL	9.0E-06	Interim Final PDWS (EPA, 1977)
Cobalt-60	µCi/mL	1.0E-07	Interim Final PDWS (EPA, 1977)
Color		No flag	Set by EPD/EMS
Copper	µg/L	1,000	Final PDWS (SCDHEC, 1981)
Copper, dissolved	µg/L	1,000	Final PDWS (SCDHEC, 1981)
Copper, total recoverable	µg/L	1,000	Final PDWS (SCDHEC, 1981)
Corrosivity		No flag	Set by EPD/EMS
m-Cresol (3-Methylphenol)	µg/L	100	EPA Method 8270
o-Cresol (2-Methylphenol)	µg/L	10	EPA Method 8270
p-Cresol (4-Methylphenol)	µg/L	120	EPA Method 8270

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Curium-242	µCi/mL	1.33E-07	Proposed PDWS (EPA, 1991c)
Curium-243	µCi/mL	8.30E-09	Proposed PDWS (EPA, 1991c)
Curium-243/244✪	µCi/mL	8.30E-09	Proposed PDWS (EPA, 1991c)
Curium-244	µCi/mL	9.84E-09	Proposed PDWS (EPA, 1991c)
Curium-245/246✪	µCi/mL	6.23E-09	Proposed PDWS (EPA, 1991c)
Curium-246	Ci/mL	6.27E-09	Proposed PDWS (EPA, 1991c)
Cyanide	µg/L	200	Final PDWS (EPA, 1998a)
Dalapon	g/L	200	Final PDWS (EPA, 1998a)
p,p'-DDD	µg/L	1.1	EPA Method 8080
p,p'-DDE	µg/L	0.5	EPA Method 8080
p,p'-DDT	g/L	1.7	EPA Method 8080
Diallate	µg/L	162	EPA Method 8270
Dibenz[*a*,*h*]anthracene	µg/L	0.3	Proposed PDWS (EPA, 1990)
Dibenzofuran	µg/L	10	EPA Method 8270
Dibromochloromethane	µg/L	100	Final PDWS (EPA, 1998a)
1,2-Dibromo-3-chloropropane	µg/L	0.2	Final PDWS (EPA, 1998a)
1,2-Dibromoethane	µg/L	0.05	Final PDWS (EPA, 1998a)
Dibromomethane	g/L	20	EPA Method 8240
Di-n-butyl phthalate		No flag	Set by EPD/EMS
1,2-Dichlorobenzene	µg/L	600	Final PDWS (EPA, 1998a)
1,3-Dichlorobenzene	µg/L	162	EPA Method 8270
1,4-Dichlorobenzene	µg/L	75	Final PDWS (EPA, 1998a)
3,3'-Dichlorobenzidine	µg/L	10.2	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	500	EPA Method 8240
Dichlorodifluoromethane	µg/L	20	EPA Method 8240
1,1-Dichloroethane	µg/L	20	EPA Method 8240
1,2-Dichloroethane	µg/L	5.0	Final PDWS (EPA, 1998a)
cis-1,2-Dichloroethylene	µg/L	70	Final PDWS (EPA, 1998a)
1,1-Dichloroethylene	µg/L	7.0	Final PDWS (EPA, 1998a)
1,2-Dichloroethylene	µg/L	50	EPA Method 8240
trans-1,2-Dichloroethylene	µg/L	100	Final PDWS (EPA, 1998a)
Dichloromethane	µg/L	5.0	Final PDWS (EPA, 1998a)
2,4-Dichlorophenol	µg/L	10.2	EPA Method 8270
2,6-Dichlorophenol	µg/L	167	EPA Method 8270
2,4-Dichlorophenoxyacetic acid	µg/L	70	Final PDWS (EPA, 1998a)

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
1,2-Dichloropropane	µg/L	5.0	Final PDWS (EPA, 1998a)
2,2-Dichloropropane	µg/L	10	EPA Method 8260
cis-1,3-Dichloropropene	µg/L	20	EPA Method 8240
trans-1,3-Dichloropropene	µg/L	20	EPA Method 8240
Dieldrin	µg/L	8.3	EPA Method 8080
Di(2-ethylhexyl) adipate	µg/L	400	Final PDWS (EPA, 1998a)
Diethyl phthalate		No flag	Set by EPD/EMS
Dimethoate	µg/L	162	EPA Method 8270
2,4-Dimethyl phenol	µg/L	10.2	EPA Method 8270
Dimethyl phthalate		No flag	Set by EPD/EMS
p-Dimethylaminoazobenzene	µg/L	162	EPA Method 8270
p-(Dimethylamino)ethylbenzene	µg/L	100	EPA Method 8270
7,12-Dimethylbenz[*a*]anthracene	µg/L	162	EPA Method 8270
3,3'-Dimethylbenzidine	µg/L	162	EPA Method 8270
a,a-Dimethylphenethylamine	µg/L	162	EPA Method 8270
1,3-Dinitrobenzene	µg/L	162	EPA Method 8270
2,4-Dinitrophenol	µg/L	102	EPA Method 8270
2,4-Dinitrotoluene	µg/L	1.0	EPA Method 8270
2,6-Dinitrotoluene	µg/L	1.0	EPA Method 8270
Di-n-octyl phthalate		No flag	Set by EPD/EMS
1,4-Dioxane	µg/L	1000	EPA Method 8270
Diphenylamine	µg/L	162	EPA Method 8270
1,2-Diphenylhydrazine	µg/L	167	EPA Method 8270
Diquat dibromide	µg/L	20	Final PDWS (EPA, 1998a)
Dissolved organic carbon	µg/L	21,000,000	EPA Method 9060
Disulfoton	µg/L	162	EPA Method 8270
Endosulfan I	µg/L	0.5	EPA Method 8080
Endosulfan II	µg/L	1.1	EPA Method 8080
Endosulfan sulfate	µg/L	1.1	EPA Method 8080
Endothall	µg/L	100	Final PDWS (EPA, 1998a)
Endrin	µg/L	2.0	Final PDWS (EPA, 1998a)
Endrin aldehyde	µg/L	1.7	EPA Method 8080
Endrin ketone		No flag	Set by EPD/EMS
Ethyl ether	µg/L	100	EPA Method 8260
Ethyl methacrylate	µg/L	5.0	EPA Method 8270
Ethyl methanesulfonate	µg/L	162	EPA Method 8270

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Ethylbenzene	µg/L	700	Final PDWS (EPA, 1998a)
Europium-152	µCi/mL	6.0E-08	Interim Final PDWS (EPA, 1977)
Europium-154	µCi/mL	2.0E-07	Interim Final PDWS (EPA, 1977)
Europium-155	µCi/mL	6.0E-07	Interim Final PDWS (EPA, 1977)
Famphur	µg/L	162	EPA Method 8270
Fluoranthene	µg/L	10.2	EPA Method 8270
Fluorene	µg/L	10.2	EPA Method 8270
Fluoride	µg/L	4,000	Final PDWS (EPA, 1998a)
Glyphosate	µg/L	700	Final PDWS (EPA, 1998a)
Gross alpha	µCi/mL	1.5E-08	Final PDWS (EPA, 1998a)
Heptachlor	µg/L	0.4	Final PDWS (EPA, 1998a)
Heptachlor epoxide	µg/L	0.2	Final PDWS (EPA, 1998a)
Heptachlorodibenzo-p-dioxins	µg/L	0.014	EPA Method 8280
1,2,3,4,6,7,8-HPCDD	µg/L	0.014	EPA Method 8280
Heptachlorodibenzo-p-furans	µg/L	0.016	EPA Method 8280
1,2,3,4,6,7,8-HPCDF	µg/L	0.016	EPA Method 8280
Hexachlorobenzene	µg/L	1.0	Final PDWS (EPA, 1998a)
Hexachlorobutadiene	µg/L	10	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	50	Final PDWS (EPA, 1998a)
Hexachlorodibenzo-p-dioxins	µg/L	0.016	EPA Method 8280
1,2,3,4,7,8-HXCDD	µg/L	0.021	EPA Method 8280
Hexachlorodibenzo-p-furans	µg/L	0.012	EPA Method 8280
1,2,3,4,7,8-HXCDF	µg/L	0.017	EPA Method 8280
Hexachloroethane	µg/L	1.0	EPA Method 8270
Hexachlorophene	µg/L	167	EPA Method 8270
Hexachloropropene	µg/L	162	EPA Method 8270
2-Hexanone	µg/L	100	EPA Method 8240
Indeno[1,2,3-*c*,*d*]pyrene	µg/L	1.0	EPA Method 8270
Iodine	µg/L	500	APHA Method 415A
Iodine-129	µCi/mL	1.0E-09	Interim Final PDWS (EPA, 1977)
Iodine-131❖	µCi/mL	3.0E-09	Interim Final PDWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	250	EPA Method 8240
Iron	µg/L	300	SDWS (EPA, 1998b)
Iron, dissolved	µg/L	300	SDWS (EPA, 1998b)
Iron, total recoverable	µg/L	300	SDWS (EPA, 1998b)
Iron-55❖	µCi/mL	2.0E-06	Interim Final PDWS (EPA, 1977)
Iron-59❖	µCi/mL	2.0E-07	Interim Final PDWS (EPA, 1977)

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Isobutyl alcohol	µg/L	1,669	EPA Method 8240
Isodrin	µg/L	162	EPA Method 8270
Isophorone	µg/L	10.2	EPA Method 8270
Isopropylbenzene	µg/L	10	EPA Method 8260
p-Isopropylbenzene	µg/L	10	EPA Method 8260
Isosafrole	µg/L	162	EPA Method 8270
Kepone	µg/L	162	EPA Method 8270
Lanthanum-140❖	µCi/mL	6.0E-08	Interim Final PDWS (EPA, 1977)
Lead	µg/L	50	Final PDWS (SCDHEC, 1981)
Lead, dissolved	µg/L	50	Final PDWS (SCDHEC, 1981)
Lead, total recoverable	µg/L	50	Final PDWS (SCDHEC, 1981)
Lead-212	µCi/mL	1.23E-07	Proposed PDWS (EPA, 1991c)
Lindane	µg/L	0.2	Final PDWS (EPA, 1998a)
Lithium	µg/L	250	EPA Method 6010
Lithium, dissolved	µg/L	250	EPA Method 6010
Lithium, total recoverable	µg/L	250	EPA Method 6010
Magnesium		No flag	Set by EPD/EMS
Magnesium, dissolved		No flag	Set by EPD/EMS
Magnesium, total recoverable		No flag	Set by EPD/EMS
Manganese	µg/L	50	SDWS (EPA, 1998b)
Manganese, dissolved	µg/L	50	SDWS (EPA, 1998b)
Manganese, total recoverable	µg/L	50	SDWS (EPA, 1998b)
Manganese-54	µCi/mL	3.0E-07	Interim Final PDWS (EPA, 1977)
Mercury	µg/L	2.0	Final PDWS (EPA, 1998a)
Mercury, dissolved	µg/L	2.0	Final PDWS (EPA, 1998a)
Mercury, total recoverable	µg/L	2.0	Final PDWS (EPA, 1998a)
Methacrylonitrile	µg/L	833	EPA Method 8240
Methapyrilene	µg/L	162	EPA Method 8270
Methoxychlor	µg/L	40	Final PDWS (EPA, 1998a)
Methyl ethyl ketone		No flag	Set by EPD/EMS
Methyl isobutyl ketone		No flag	Set by EPD/EMS
Methyl methacrylate	µg/L	100	EPA Method 8270
Methyl methanesulfonate	µg/L	162	EPA Method 8270
Methyl tert-butyl ether	µg/L	10	EPA Method 8260
3-Methylcholanthrene	µg/L	162	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	102	EPA Method 8270
2-Methylnaphthalene	µg/L	10	EPA Method 8270

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Molybdenum	µg/L	500	EPA Method 6010
Molybdenum, dissolved	µg/L	500	EPA Method 6010
Molybdenum, total recoverable	µg/L	500	EPA Method 6010
Naphthalene	µg/L	167	EPA Method 8270
1,4-Naphthoquinone	µg/L	162	EPA Method 8270
1-Naphthylamine	µg/L	162	EPA Method 8270
2-Naphthylamine	µg/L	162	EPA Method 8270
Neptunium-237	µCi/mL	7.06E-09	Proposed PDWS (EPA, 1991c)
Neptunium-239	µCi/mL	1.68E-06	Proposed PDWS (EPA, 1991c)
Nickel	µg/L	100	Final PDWS (EPA, 1998a)
Nickel, dissolved	µg/L	100	Final PDWS (EPA, 1998a)
Nickel, total recoverable	µg/L	100	Final PDWS (EPA, 1998a)
Nickel-59	µCi/mL	3.0E-07	Interim Final PDWS (EPA, 1977)
Nickel-63	µCi/mL	5.0E-08	Interim Final PDWS (EPA, 1977)
Niobium-95❖	µCi/mL	3.0E-07	Interim Final PDWS (EPA, 1977)
Nitrate as nitrogen	µg/L	10,000	Final PDWS (EPA, 1998a)
Nitrate-nitrite as nitrogen	µg/L	10,000	Final PDWS (EPA, 1998a)
Nitrite as nitrogen	µg/L	1,000	Final PDWS (EPA, 1998a)
m-Nitroaniline	µg/L	10	EPA Method 8270
o-Nitroaniline	µg/L	10	EPA Method 8270
p-Nitroaniline	µg/L	10	EPA Method 8270
Nitrobenzene	µg/L	10.2	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	1,000	EPA Method 351.2
2-Nitrophenol	g/L	10.2	EPA Method 8270
4-Nitrophenol	µg/L	10.2	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	162	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	162	EPA Method 8270
N-Nitrosodiethylamine	µg/L	162	EPA Method 8270
N-Nitrosodimethylamine	µg/L	167	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	10.2	EPA Method 8270
N-Nitrosodipropylamine	µg/L	10.2	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	162	EPA Method 8270
N-Nitrosomorpholine	µg/L	162	EPA Method 8270
N-Nitrosopiperidine	µg/L	162	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	162	EPA Method 8270
5-Nitro-o-toluidine	µg/L	162	EPA Method 8270

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Nonvolatile beta	µCi/mL	5.0E-08	Interim Final PDWS (EPA, 1977)
Octachlorodibenzo-p-dioxins	µg/L	0.017	EPA Method 8280
Octachlorodibenzo-p-furans	µg/L	0.013	EPA Method 8280
Odor		No flag	Set by EPD/EMS
Oil & grease	µg/L	16,700	EPA Method 413.1
Oxamyl	µg/L	200	Final PDWS (EPA, 1998a)
Parathion	µg/L	0.8	EPA Method 8080
Parathion methyl	µg/L	0.8	EPA Method 8080
PCB 1016	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1221	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1232	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1242	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1248	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1254	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1260	µg/L	0.5	Final PDWS (EPA, 1998a)
PCB 1262	µg/L	0.5	Final PDWS (EPA, 1998a)
Pentachlorobenzene	µg/L	162	EPA Method 8270
Pentachlorodibenzo-p-dioxins	µg/L	0.016	EPA Method 8280
1,2,3,7,8-PCDD	µg/L	0.015	EPA Method 8280
Pentachlorodibenzo-p-furans	µg/L	0.017	EPA Method 8280
1,2,3,7,8-PCDF	µg/L	0.017	EPA Method 8280
Pentachloroethane	µg/L	162	EPA Method 8270
Pentachloronitrobenzene	µg/L	162	EPA Method 8270
Pentachlorophenol	µg/L	1.0	Final PDWS (EPA, 1998a)
pH	pH	10	Set by EPD/EMS
pH	pH	3.0	Set by EPD/EMS
Phenacetin	g/L	162	EPA Method 8270
Phenanthrene	µg/L	10.2	EPA Method 8270
Phenol	µg/L	167	EPA Method 8270
Phenols	µg/L	100	EPA Method 420.1
p-Phenylenediamine	µg/L	162	EPA Method 8270
Phorate	µg/L	1.7	EPA Method 8080
Picloram	µg/L	500	Final PDWS (EPA, 1998a)
2-Picoline	µg/L	162	EPA Method 8270

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Plutonium-238	µCi/mL	7.02E-09	Proposed PDWS (EPA, 1991c)
Plutonium-239	µCi/mL	6.21E-08	Proposed PDWS (EPA, 1991c)
Plutonium-239/240✪	µCi/mL	6.21E-08	Proposed PDWS (EPA, 1991c)
Plutonium-240	µCi/mL	6.22E-08	Proposed PDWS (EPA, 1991c)
Plutonium-241❖	Ci/mL	6.26E-08	Proposed PDWS (EPA, 1991c)
Plutonium-242❖	µCi/mL	6.54E-08	Proposed PDWS (EPA, 1991c)
Potassium		No flag	Set by EPD/EMS
Potassium, dissolved		No flag	Set by EPD/EMS
Potassium, total recoverable		No flag	Set by EPD/EMS
Potassium-40	µCi/mL	3.0E-07	Proposed PDWS (EPA, 1986a)
Promethium-144	µCi/mL	1.0E-07	EPA Method 901.1
Promethium-146	µCi/mL	1.0E-07	EPA Method 901.1
Promethium-147	µCi/mL	5.24E-06	Proposed PDWS (EPA, 1991c)
Pronamid	µg/L	162	EPA Method 8270
Propionitrile	µg/L	3,330	EPA Method 8240
n-Propylbenzene	µg/L	10	EPA Method 8260
Pyrene	µg/L	10.2	EPA Method 8270
Pyridine	µg/L	162	EPA Method 8270
Radium-226	µCi/mL	5.0E-09	Interim Final PDWS (EPA, 1977)
Radium-228	µCi/mL	5.0E-09	Interim Final PDWS (EPA, 1977)
Radon-222	µCi/mL	3.0E-07	Proposed PDWS (EPA, 1991c)
Ruthenium-103❖	µCi/mL	2.0E-07	Interim Final PDWS (EPA, 1977)
Ruthenium-106	µCi/mL	3.0E-08	Interim Final PDWS (EPA, 1977)
Safrole	µg/L	162	EPA Method 8270
Selenium	µg/L	50	Final PDWS (EPA, 1998a)
Selenium, dissolved	µg/L	50	Final PDWS (EPA, 1998a)
Selenium, total recoverable	µg/L	50	Final PDWS (EPA, 1998a)
Silica		No flag	Set by EPD/EMS
Silica, dissolved		No flag	Set by EPD/EMS
Silica, total recoverable		No flag	Set by EPD/EMS
Silver	µg/L	100	SDWS (EPA, 1998b)
Silver, dissolved	µg/L	100	SDWS (EPA, 1998b)
Silver, total recoverable	µg/L	100	SDWS (EPA, 1998b)
Simazine	µg/L	4.0	Final PDWS (EPA, 1998a)

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Sodium		No flag	Set by EPD/EMS
Sodium, dissolved		No flag	Set by EPD/EMS
Sodium, total recoverable		No flag	Set by EPD/EMS
Sodium-22	µCi/mL	4.66E-07	Proposed PDWS (EPA, 1991c)
Specific conductance	µS/cm	500	Set by EPD/EMS
Strontium-89	µCi/mL	2.0E-08	Interim Final PDWS (EPA, 1977)
Strontium-89/90✪	µCi/mL	8.0E-09	Final PDWS (EPA, 1998a)
Strontium-90	µCi/mL	8.0E-09	Final PDWS (EPA, 1998a)
Styrene	µg/L	100	Final PDWS (EPA, 1998a)
Sulfate	µg/L	400,000	Proposed PDWS (EPA, 1990)
Sulfide	µg/L	16,700	EPA Method 9030
Sulfotepp	µg/L	162	EPA Method 8270
Surfactants		No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.014	Final PDWS (EPA, 1998a)
2,3,7,8-TCDF	µg/L	0.0085	EPA Method 8280
Technetium-99	µCi/mL	9.0E-07	Interim Final PDWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	162	EPA Method 8270
Tetrachlorodibenzo-p-dioxins	µg/L	0.014	EPA Method 8280
Tetrachlorodibenzo-p-furans	µg/L	0.011	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	20	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	100	EPA Method 8240
Tetrachloroethylene	µg/L	5.0	Final PDWS (EPA, 1998a)
2,3,4,6-Tetrachlorophenol	µg/L	167	EPA Method 8270
Thallium	µg/L	2.0	Final PDWS (EPA, 1998a)
Thallium, dissolved	µg/L	2.0	Final PDWS (EPA, 1998a)
Thallium, total recoverable	µg/L	2.0	Final PDWS (EPA, 1998a)
Thionazin	µg/L	162	EPA Method 8270
Thorium-228	µCi/mL	1.25E-07	Proposed PDWS (EPA, 1991c)
Thorium-230	µCi/mL	7.92E-08	Proposed PDWS (EPA, 1991c)
Thorium-232	µCi/mL	8.8E-08	Proposed PDWS (EPA, 1991c)
Thorium-234❖	µCi/mL	4.01E-07	Proposed PDWS (EPA, 1991c)
Tin	µg/L	500	EPA Method 282.2
Tin, dissolved	µg/L	500	EPA Method 282.2
Tin, total recoverable	µg/L	500	EPA Method 282.2
Tin-113	µCi/mL	3.0E-07	Interim Final PDWS (EPA, 1977)

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Toluene	µg/L	1,000	Final PDWS (EPA, 1998a)
o-Toluidine	µg/L	162	EPA Method 8270
Total alpha-emitting radium	µCi/mL	5.0E-09	Interim Final PDWS (EPA, 1977)
Total carbon	µg/L	10,000	EPA Method 9060
Total coliform	N/A	0	Final PDWS (EPA, 1998a)
Total dissolved solids		No flag	Set by EPD/EMS
Total hydrocarbons	µg/L	10,000	EPA Method 418.1
Total inorganic carbon	µg/L	16,700	EPA Method 9060
Total organic carbon	µg/L	1,000,000	EPA Method 9060
Total organic halogens	µg/L	100	EPA Method 9020
Total organic nitrogen	µg/L	1,000	APHA Method 420
Total petroleum hydrocarbons	µg/L	16,700	EPA Method 418.1
Total phosphates (as P)		No flag	Set by EPD/EMS
Total phosphorus		No flag	Set by EPD/EMS
Toxaphene	µg/L	3.0	Final PDWS (EPA, 1998a)
2,4,5-TP (Silvex)	µg/L	50	Final PDWS (EPA, 1998a)
Tributyl phosphate	µg/L	172	EPA Method 8270
1,2,3-Trichlorobenzene	µg/L	10	EPA Method 8260
1,2,4-Trichlorobenzene	µg/L	70	Final PDWS (EPA, 1998a)
1,1,1-Trichloroethane	µg/L	200	Final PDWS (EPA, 1998a)
1,1,2-Trichloroethane	µg/L	5.0	Final PDWS (EPA, 1998a)
Trichloroethylene	µg/L	5.0	Final PDWS (EPA, 1998a)
Trichlorofluoromethane	µg/L	20	EPA Method 8240
2,4,5-Trichlorophenol	µg/L	10	EPA Method 8270
2,4,6-Trichlorophenol	µg/L	1.0	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	0.5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	20	EPA Method 8240
Trichlorotrifluoroethane	µg/L	100	EPA Method 8260
O,O,O-Triethyl phosphorothioate	µg/L	162	EPA Method 8270
1,2,4-Trimethylbenzene	µg/L	10	EPA Method 8260
1,3,5- Trimethylbenzene	µg/L	10	EPA Method 8260
1,3,5-Trinitrobenzene	µg/L	162	EPA Method 8270
Tritium	µCi/mL	2.0E-05	Final PDWS (EPA, 1998a)
Turbidity✠		No flag	Set by EPD/EMS
Uranium	µg/L	20	Proposed PDWS (EPA, 1991c)

Table B-1. EMS Flagging Limits / Drinking Water Standards (continued)

Analyte	Unit	Flag 2	Source†
Uranium alpha activity	Ci/mL	3.0E-08	Proposed PDWS (EPA, 1991c)
Uranium, dissolved	µg/L	20	Proposed PDWS (EPA, 1991c)
Uranium, total recoverable	µg/L	20	Proposed PDWS (EPA, 1991c)
Uranium-233/234✪	µCi/mL	1.38E-08	Proposed PDWS (EPA, 1991c)
Uranium-234	µCi/mL	1.39E-08	Proposed PDWS (EPA, 1991c)
Uranium-235	µCi/mL	1.45E-08	Proposed PDWS (EPA, 1991c)
Uranium-238	µCi/mL	1.46E-08	Proposed PDWS (EPA, 1991c)
Vanadium	µg/L	133	EPA Method 6010
Vanadium, dissolved	µg/L	133	EPA Method 6010
Vanadium, total recoverable	µg/L	133	EPA Method 6010
Vinyl acetate	µg/L	100	EPA Method 8240
m/p-Xylene	µg/L	162	EPA Method 8260
o-Xylene	µg/L	10	EPA Method 8260
Xylenes	µg/L	10,000	Final PDWS (EPA 1998a)
Yttrium-88	µCi/mL	1.0E-07	EPA Method 901.1
Zinc	µg/L	5,000	SDWS (EPA, 1998b)
Zinc, dissolved	µg/L	5,000	SDWS (EPA, 1998b)
Zinc, total recoverable	µg/L	5,000	SDWS (EPA, 1998b)
Zinc-65	µCi/mL	3.0E-07	Interim Final PDWS (EPA, 1977)
Zirconium-95	µCi/mL	2.0E-07	Interim Final PDWS (EPA, 1977)
Zirconium/Niobium-95◆	µCi/mL	2.0E-07	Interim Final PDWS (EPA, 1977)

† Analytical methods are discussed in the **Analytical Data Review** section of this document; references for dated sources are in the **References** section.

◆ EMS discontinued monitoring this radionuclide because it is inappropriate for the SRS Groundwater Monitoring Program.

❖ EPD/EMS set this flagging criterion using the 1991 proposed PDWS because the final PDWS in 1977 may have been in error.

✪ When radionuclide analyses are combined, the lower DWS of the two isotopes is used for flagging.

✠ The primary maximum contaminant level range for turbidity is 15 NTU, which is inappropriate for the SRS Groundwater Monitoring Program.

Note: Beginning fourth quarter 1992, samples were no longer filtered at the wells. Therefore, the methods for analyzing metals now include a digestion step. Beginning fourth quarter 1993, the laboratories were required to report all metals as total recoverable metals. Flagging criteria remain unchanged.

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Appendix C

Figures

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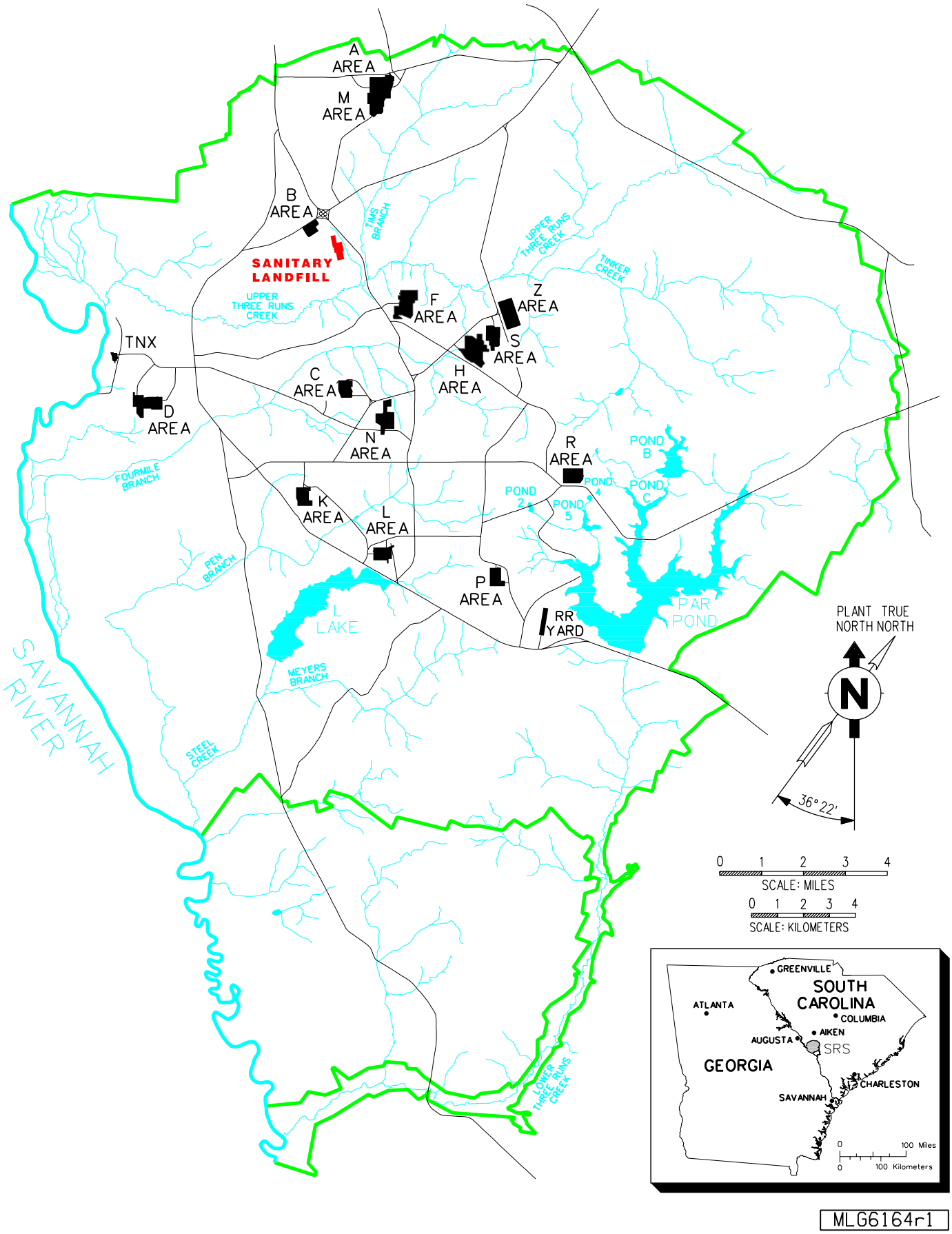


Figure 1. Location of the Sanitary Landfill at the Savannah River Site

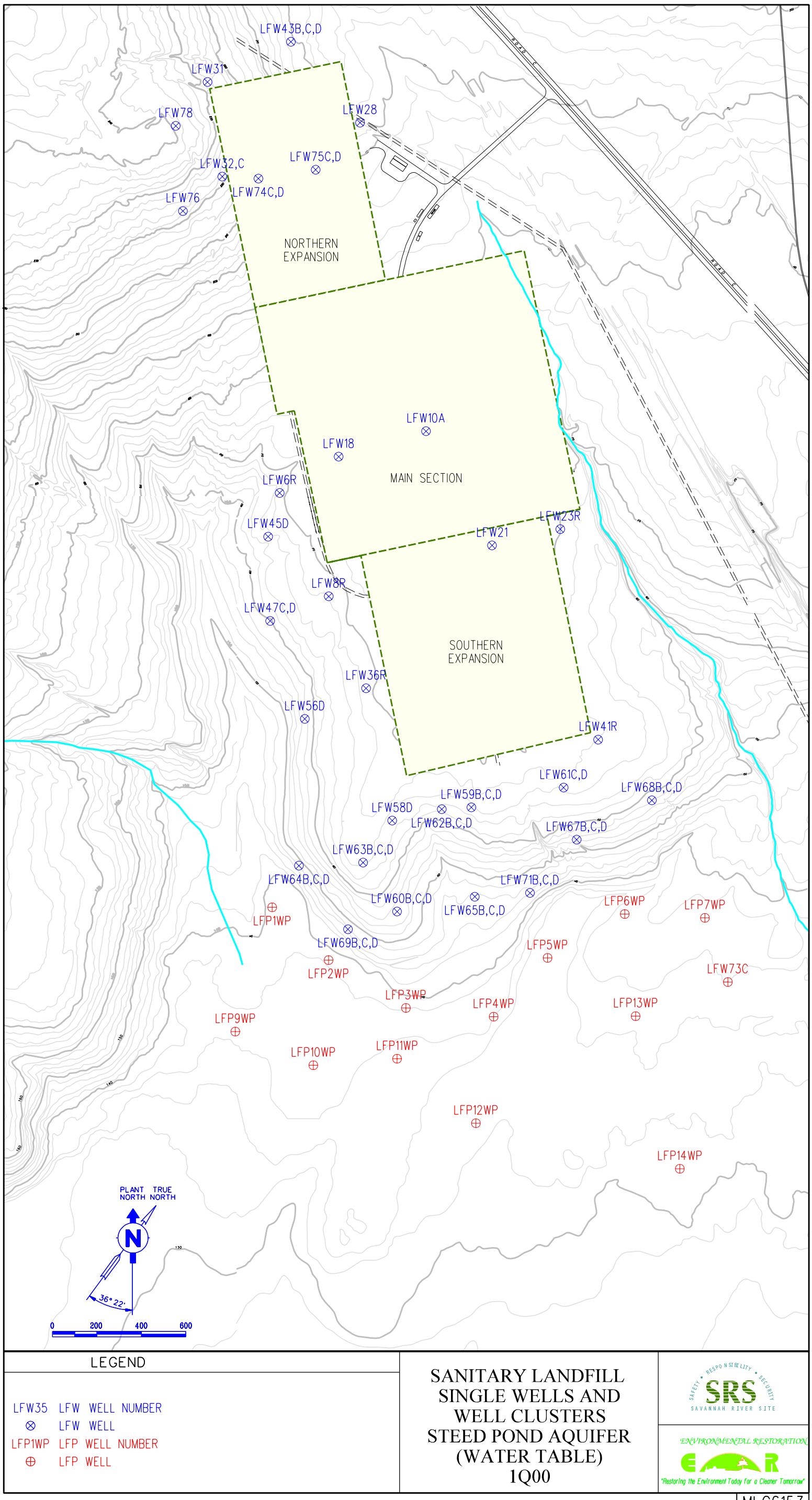


Figure 2. Boundaries of the Original Sanitary Landfill Expansion and Monitoring Wells at the Sanitary Landfill

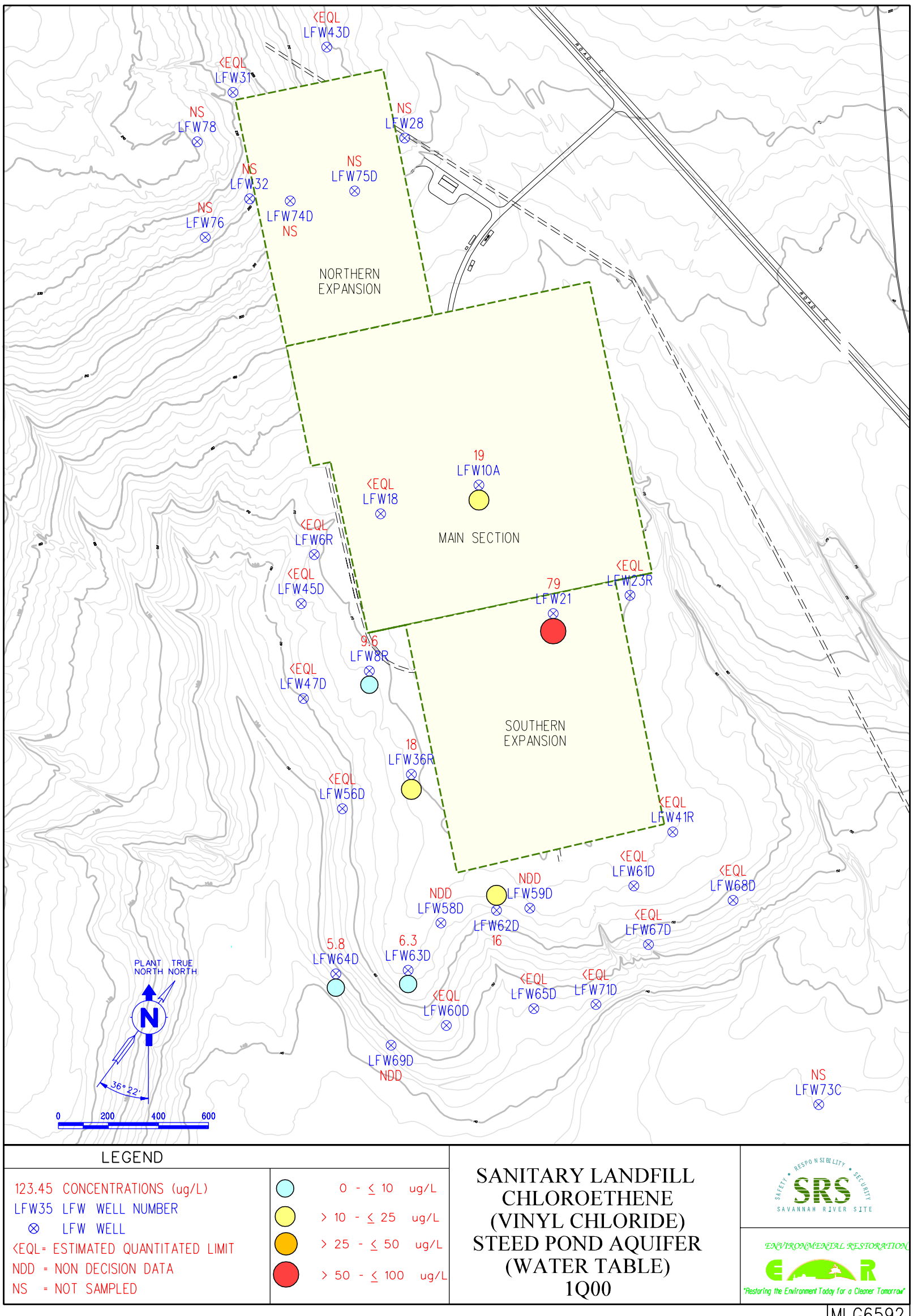


Figure 3. Chloroethene (Vinyl Chloride) Concentrations at the Sanitary Landfill, First Quarter 2000

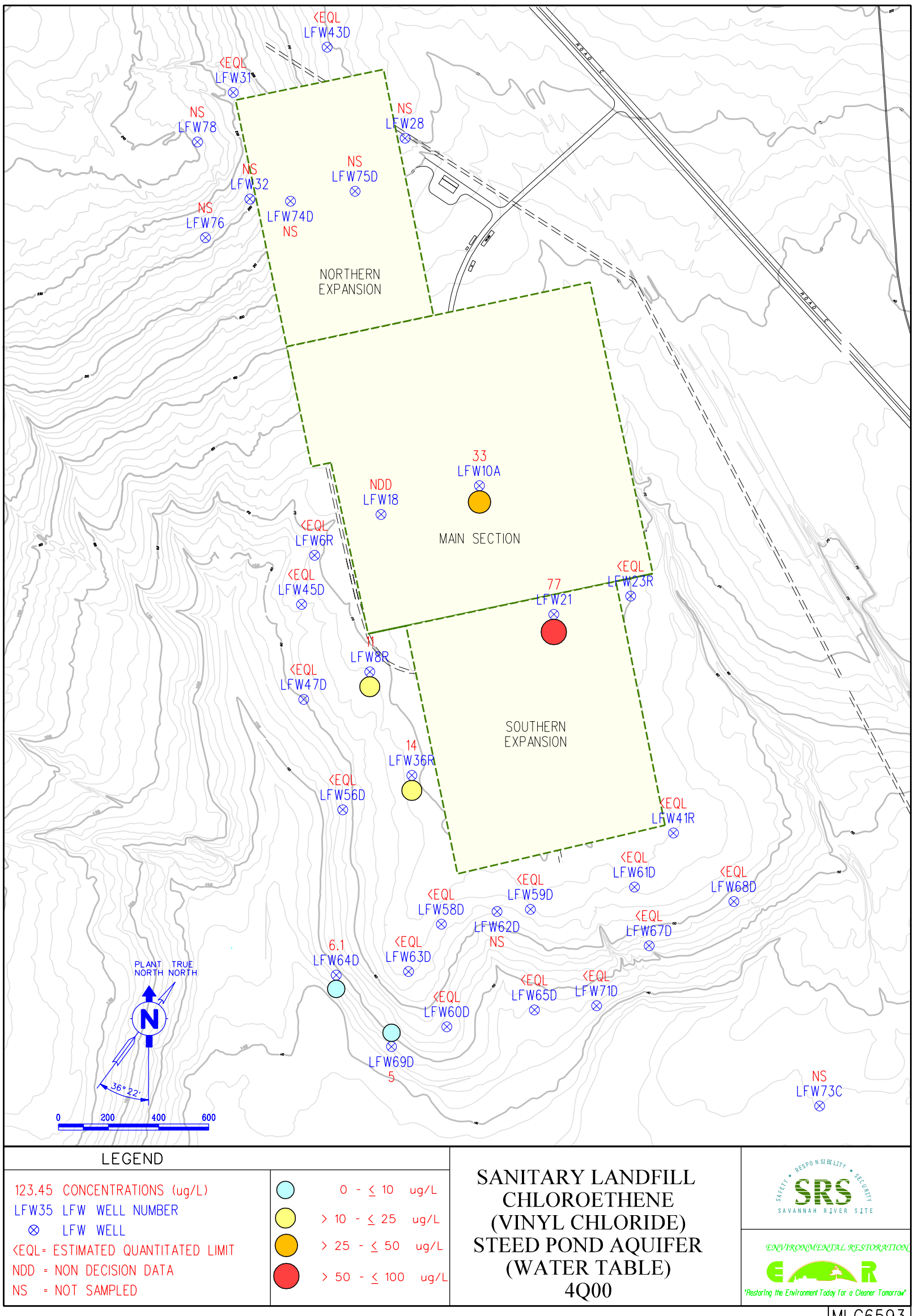


Figure 4. Chloroethene (Vinyl Chloride) Concentrations at the Sanitary Landfill, Fourth Quarter 2000

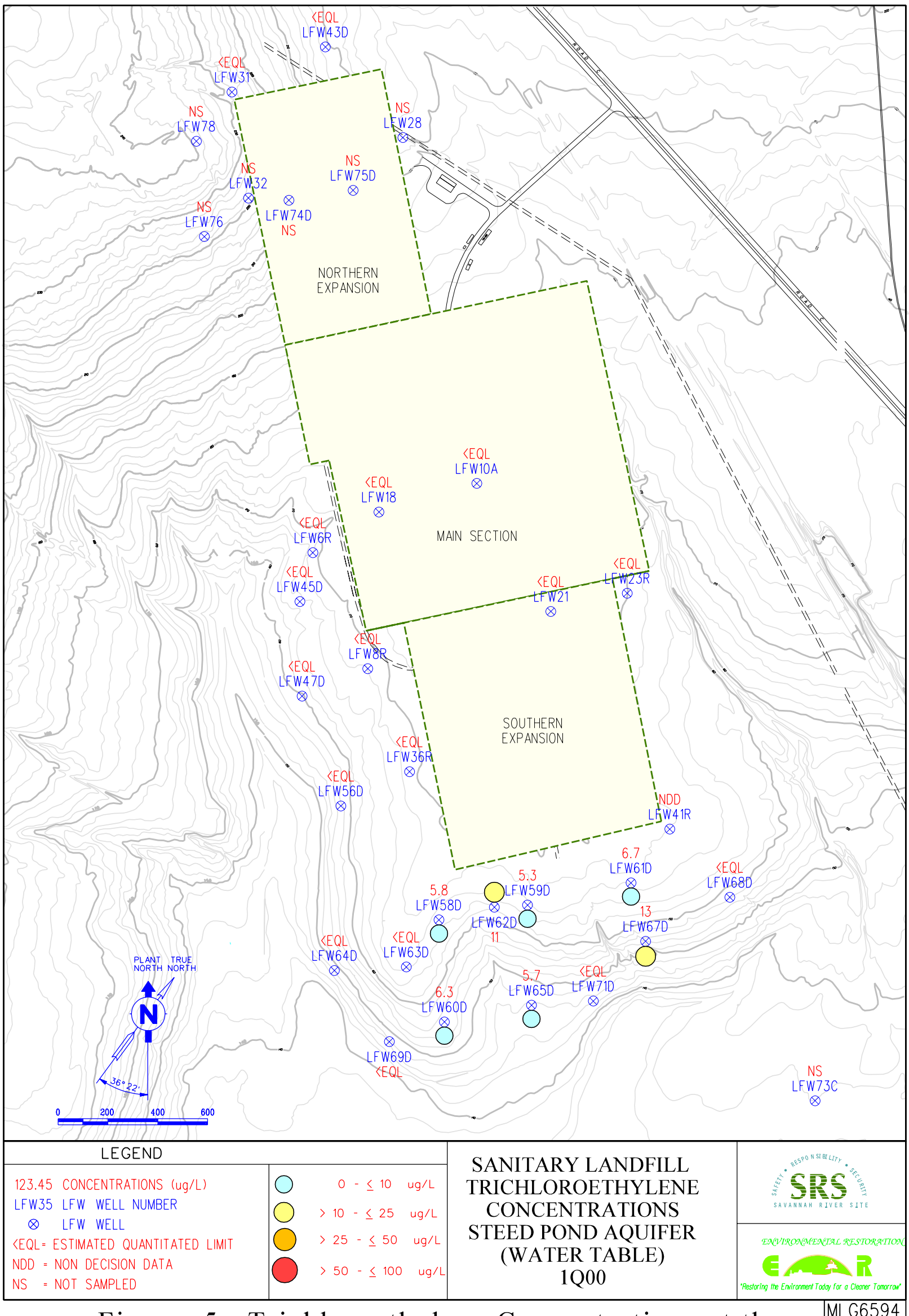


Figure 5. Trichloroethylene Concentrations at the Sanitary Landfill, First Quarter 2000

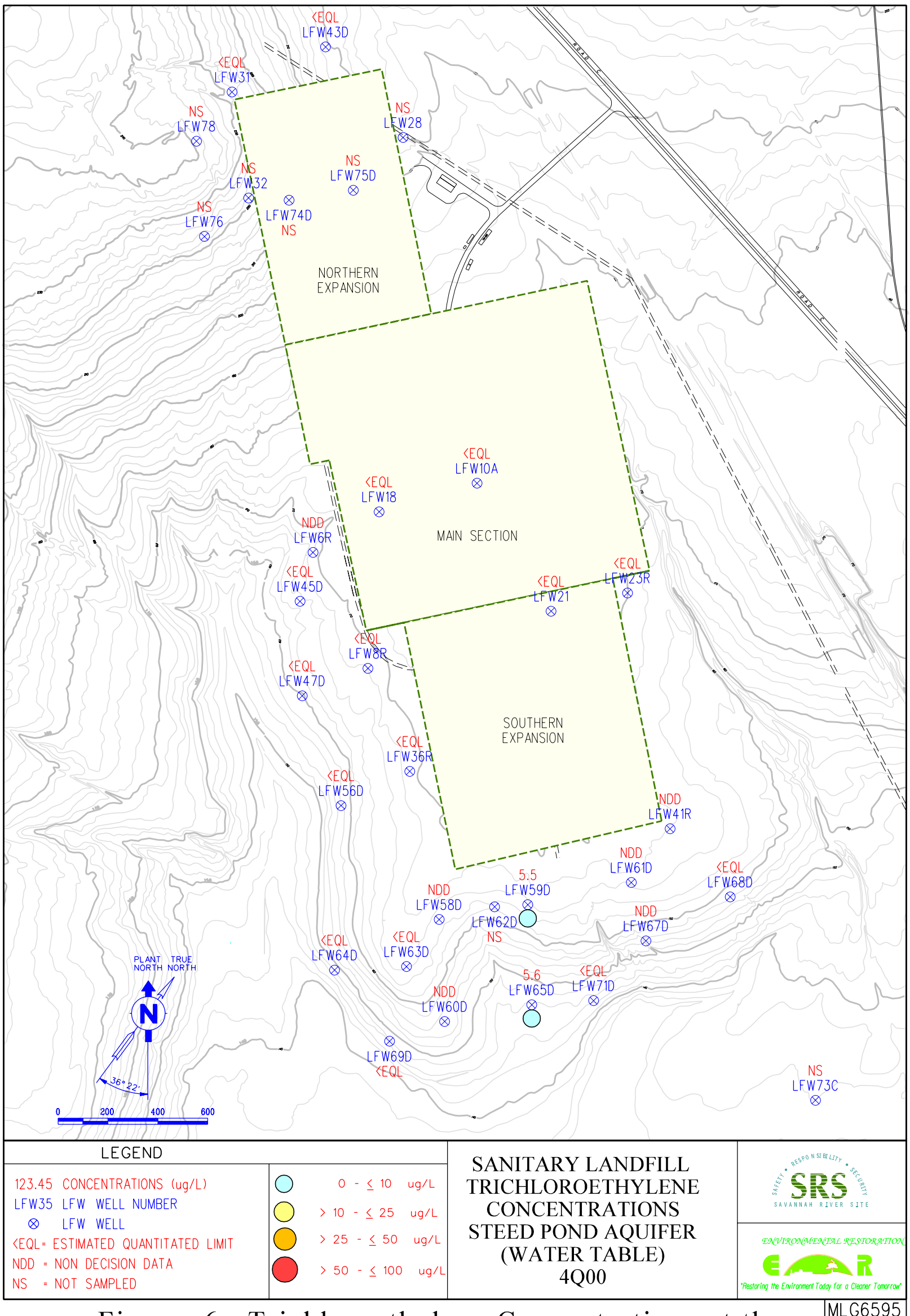


Figure 6. Trichloroethylene Concentrations at the Sanitary Landfill, Fourth Quarter 2000

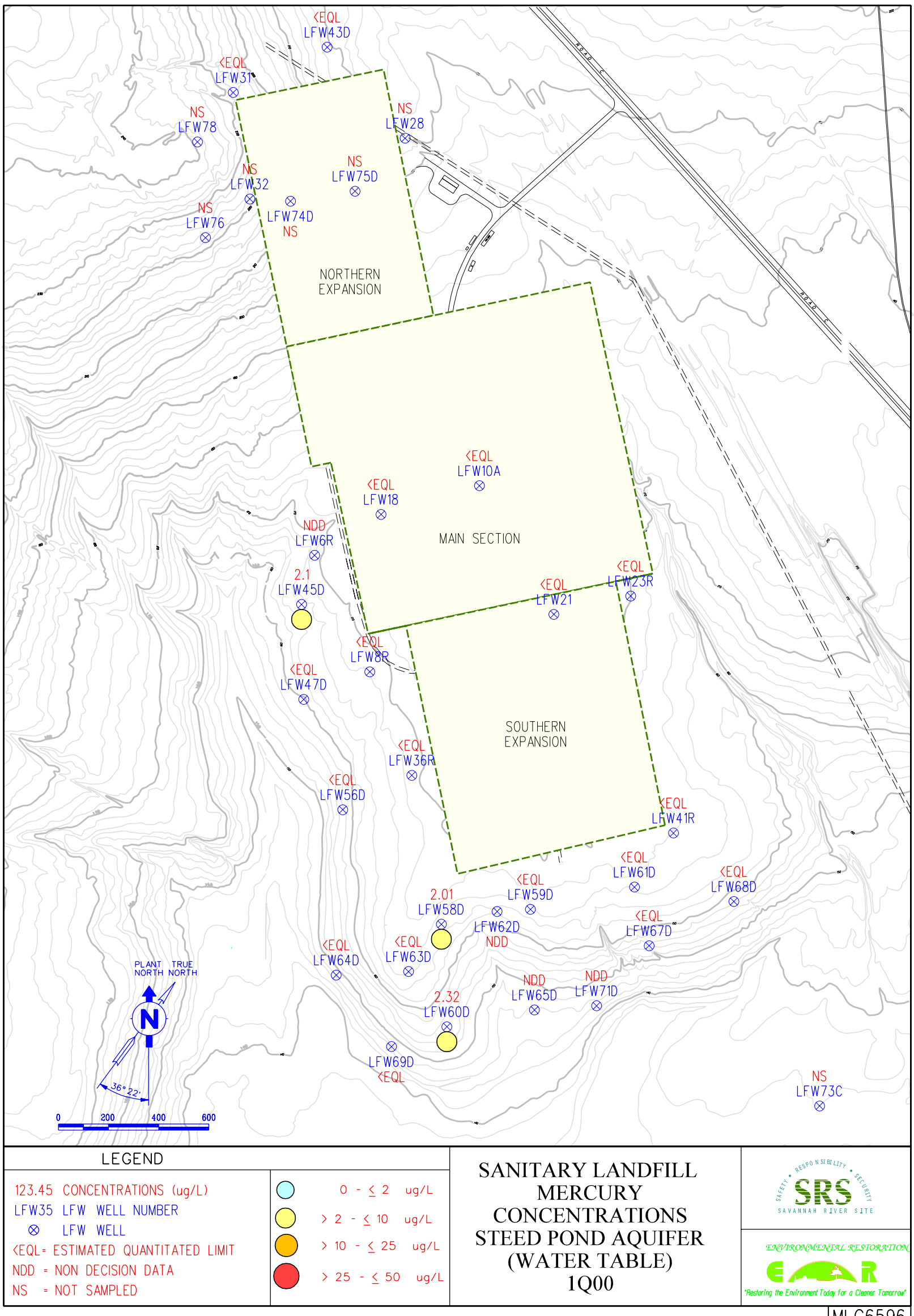


Figure 7. Mercury Concentrations at the Sanitary Landfill, First Quarter 2000

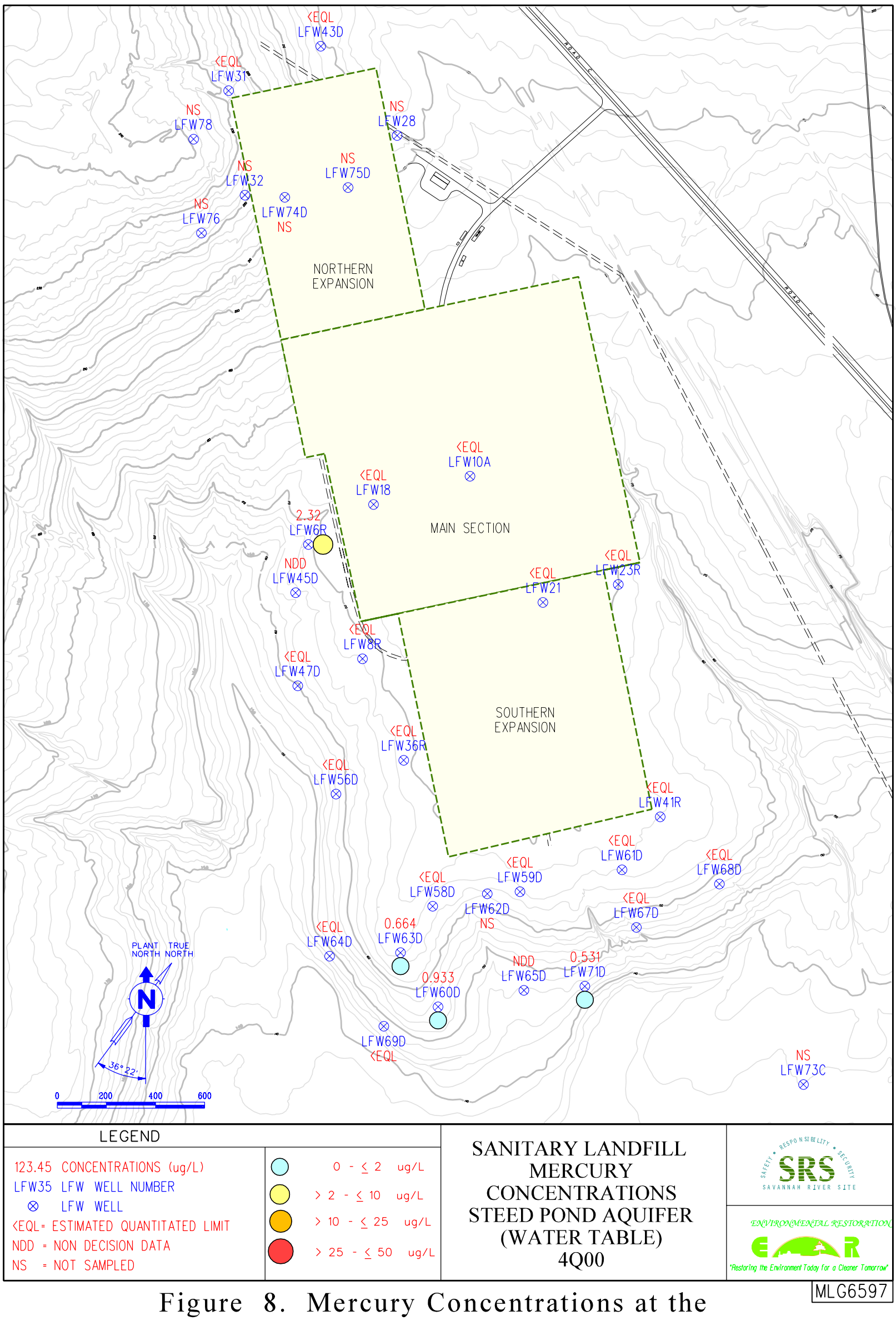


Figure 8. Mercury Concentrations at the Sanitary Landfill, Fourth Quarter 2000

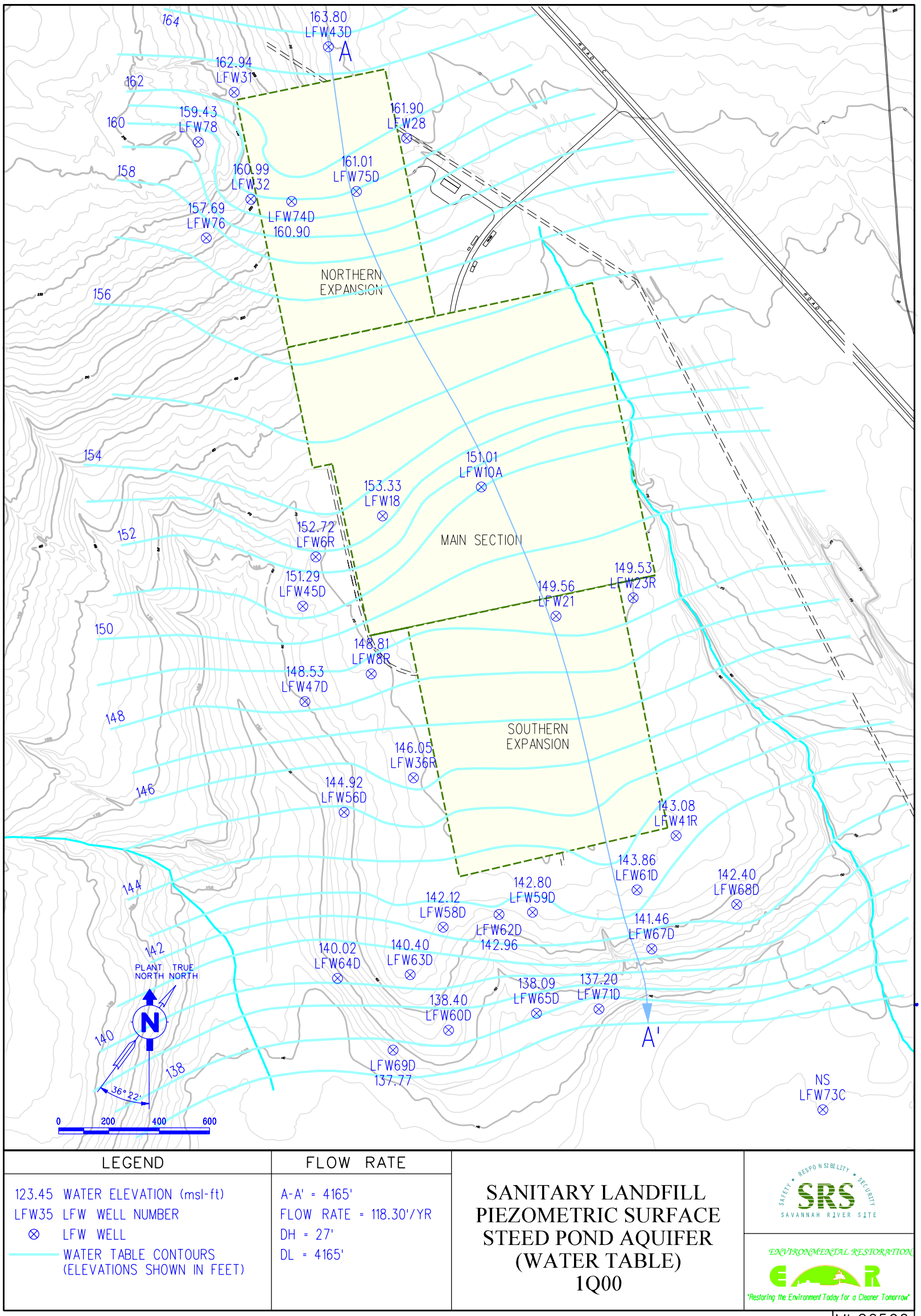
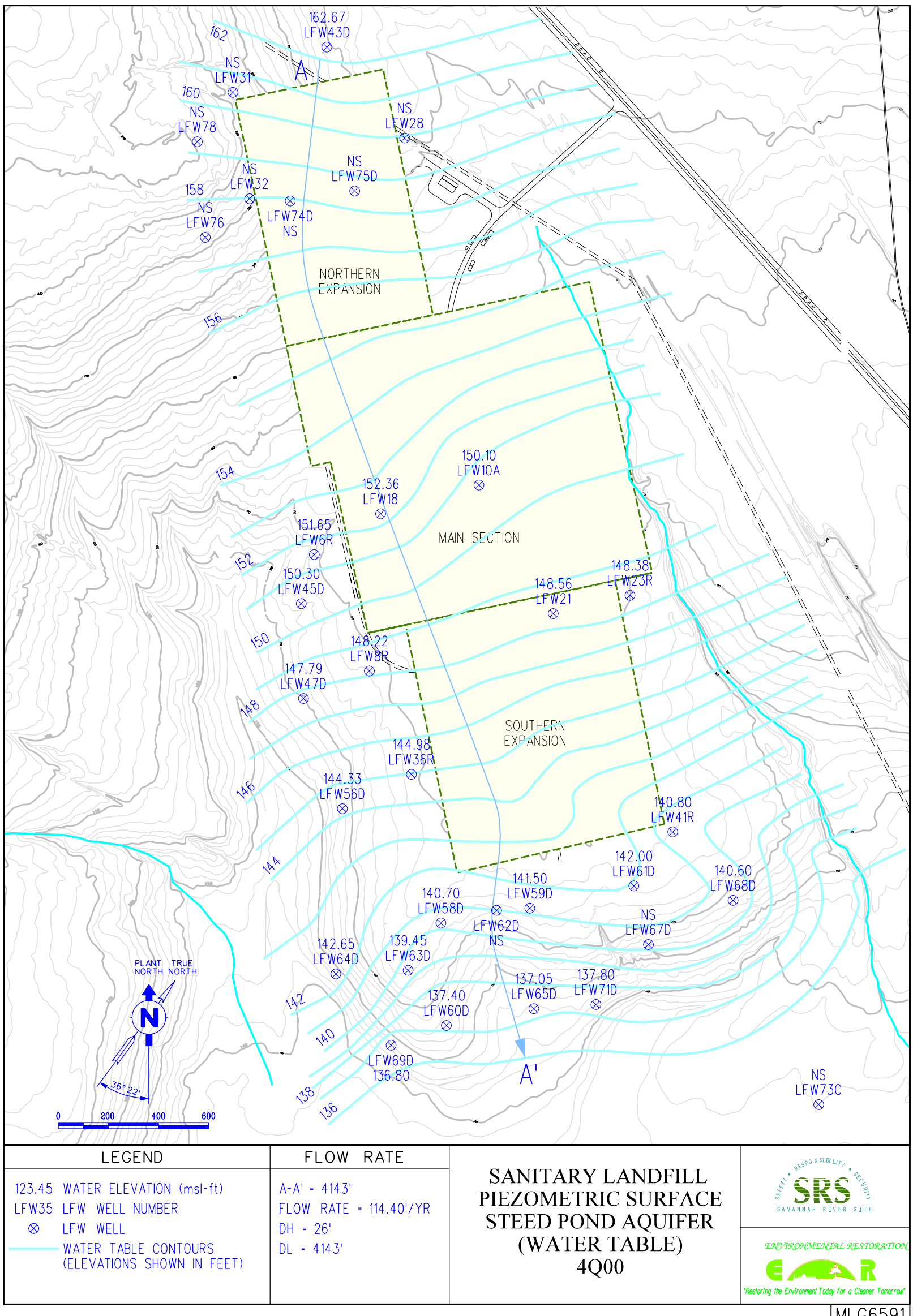


Figure 9. Piezometric Surface of the Steed Pond (Water Table) at the Sanitary Landfill, First Quarter 2000

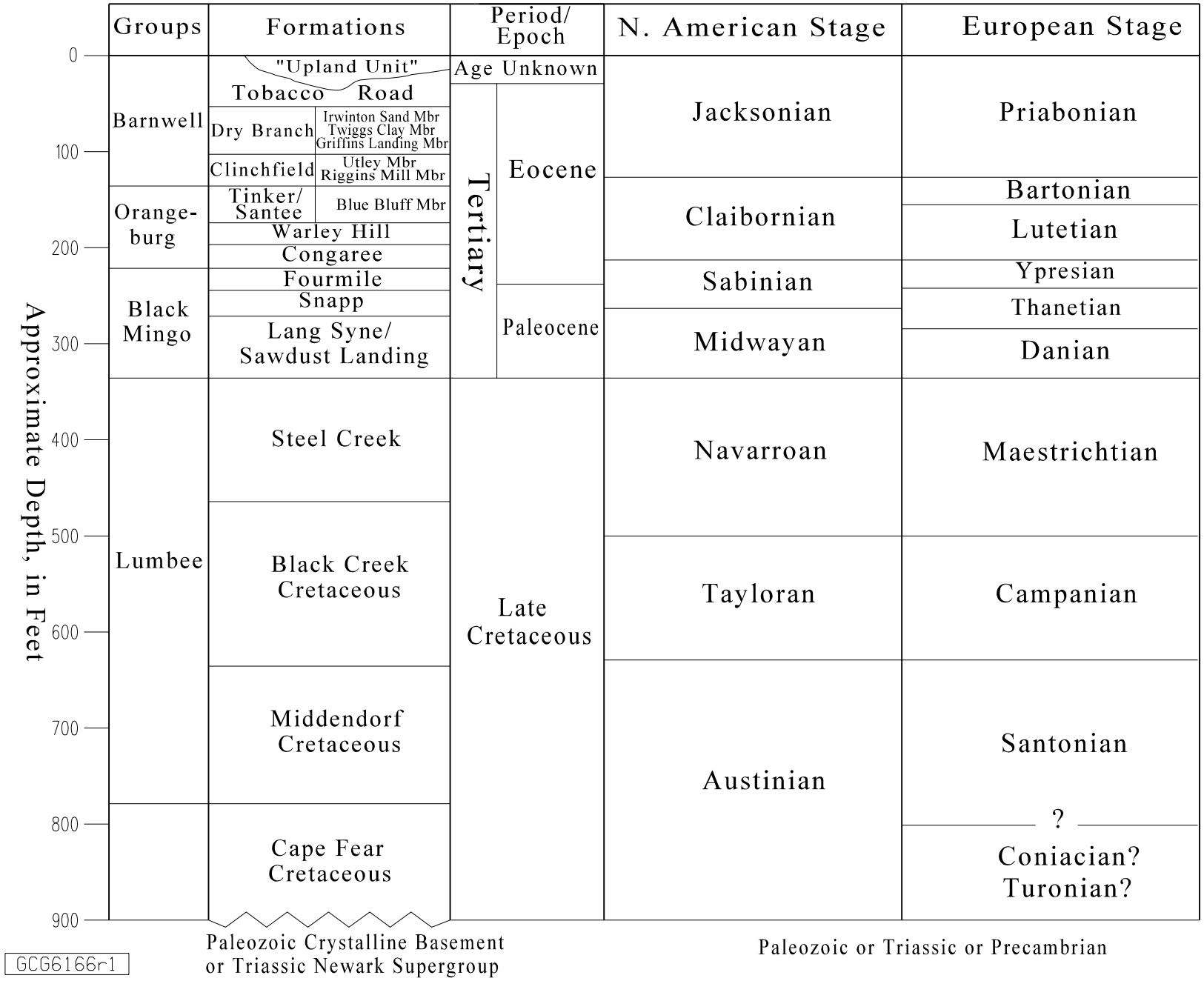


LEGEND	FLOW RATE	SANITARY LANDFILL PIEZOMETRIC SURFACE STEED POND AQUIFER (WATER TABLE) 4Q00	
123.45 WATER ELEVATION (msl-ft) LFW35 LFW WELL NUMBER ⊗ LFW WELL WATER TABLE CONTOURS (ELEVATIONS SHOWN IN FEET)	A-A' = 4143' FLOW RATE = 114.40'/YR DH = 26' DL = 4143'		SAFETY • RESPONSIBILITY • SECURITY SRS SAVANNAH RIVER SITE ENVIRONMENTAL RESTORATION "Restoring the Environment Today for a Cleaner Tomorrow"

MLG6591

Figure 10. Piezometric Surface of the Steed Pond (Water Table) at the Sanitary Landfill, Fourth Quarter 2000

REGIONAL CORRELATION OF HYDROSTRATIGRAPHIC AND LITHOGRAPHIC SEDIMENTS ATTHE SAVANNAH RIVER SITE



WSRC-TR-2001-0054
Date : FEBRUARY 2001

Figure 11. Regional Correlation of Hydrostratigraphic and Lithographic Sediments at the Savannah River Site

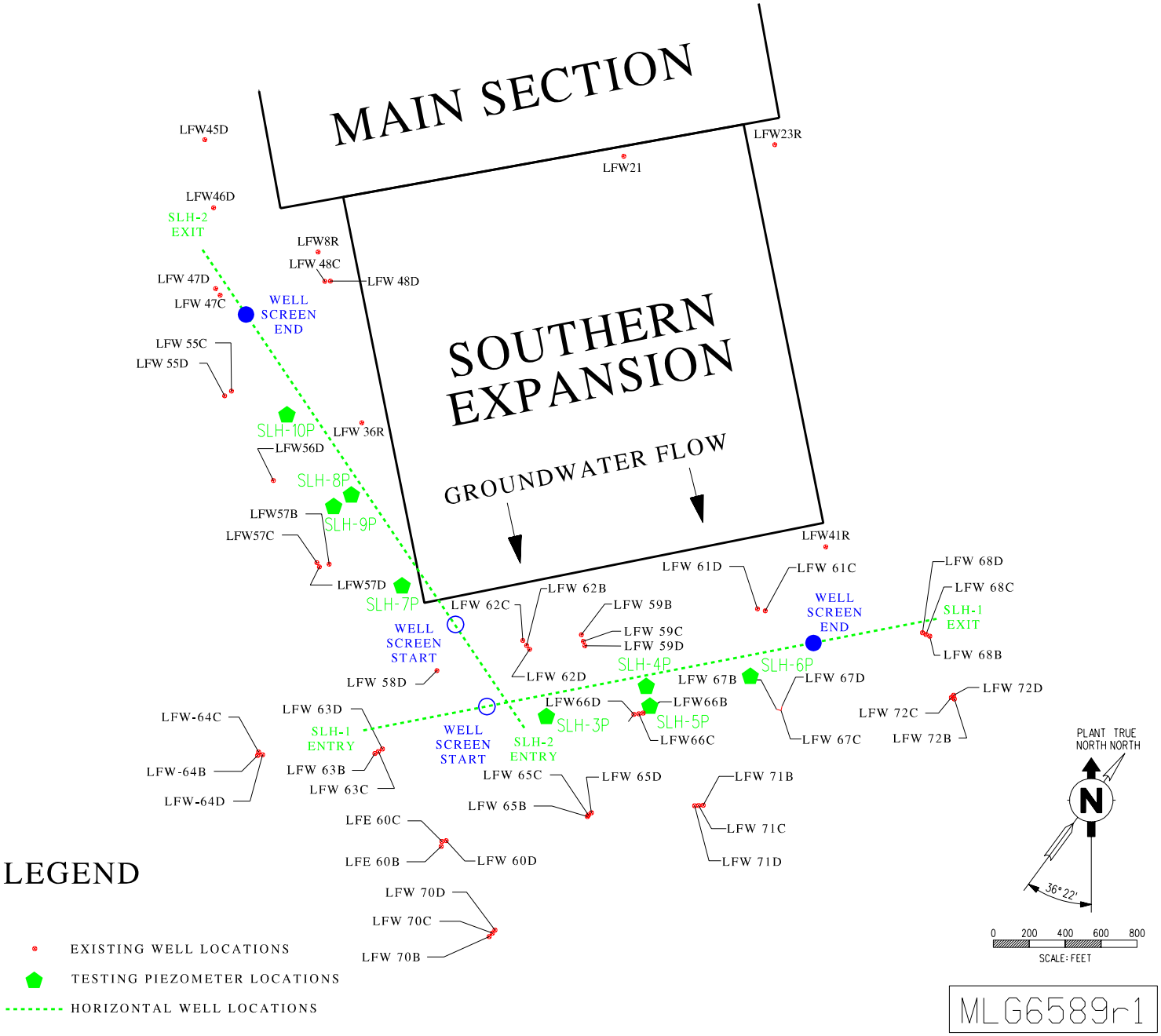


Figure 12.
Sanitary Landfill Horizontal Remediation Well and Testing Piezometers

Appendix D

Groundwater Monitoring Results Table

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, Inc.
SC	Savannah River Technology Center
SP	Spencer Testing Services, Inc.
TM	Thermo NUtech
WA and WS	Recra LabNet Philadelphia.

Nomenclature

AZ	-	Aquifer Zone
CBAU	CBA	Crouch Branch Aquifer Unit (previously Black Creek)
CBCU	CBC	Crouch Branch Confining Unit
GAU	GAU	Gordon Aquifer Unit
GCCZ	GC	Green Clay Confining Zone
LAZ_UTRA	LAZ	Lower Aquifer Zone-Upper Three Runs Aquifer Unit
LLAZ	LLAZ	Lost Lake Aquifer Zone
LLLAZ	LL	Lower Lost Lake Aquifer Zone (previously Lower Congaree)
MAAZ	M	M-Area Aquifer Zone (previously Water Table)
MSAZ_CBCU	MCBC	Middle Sand Aquifer Zone-CBCU (previously Ellenton Sand)
PZ	PZ	Perched Zone
UAZ_UTRA	UAZ	Upper Aquifer Zone-Upper Three Runs Aquifer Unit
ULLAZ	UL	Upper Lost Lake Aquifer Zone (previously Upper Congaree)
UNKNOWN	UNK	Unknown

Sampling Codes

B	blank sample was collected
C	well was pumping continuously
D	well was dry
E	equipment blank was collected

Sampling Codes (continued)

I	well went dry during sampling; insufficient water to collect all samples
L	well went dry before sampling began; only depth to water can be determined
N	well was not stabilized before sampling began
P	inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	no water in standpipe
T	samples were collected, but some samples were not sent to the laboratory due to high turbidity
W	unable to sample well because of stabilization or sampling equipment failure; water-level measurements were obtained
X	well went dry during purging; samples collected after well recovered

Sampling Methods

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

Units

mg/L	milligrams per liter
msl	mean sea level
MSL	million structures per liter
NTU	nephelometric turbidity unit
pCi/L	picocuries per liter
pCi/mL	picocuries per milliliter
pH	pH unit
µg/L	micrograms per liter
µS/cm	microsiemens per centimeter

Other

CLP	EPA Functional Guideline Codes
CS	carbon steel
DF	*dilution factor* column in data tables
E	exponential notation (e.g., 1.1E–09 = 1.1×10^{-9} = 0.0000000011)
STORET	EPA STORET result qualifiers
Filt.	Data results after application of the Data Usability filter
GWPS	groundwater protection standard
MCS	monitoring constituents standard
Mod	*modifier* column in data tables
NDD	*"not decision data"*
PDWS	primary drinking water standard
PVC	polyvinyl chloride
ST	*exceeded the GWPS or MCS* column in data tables
TOC	top of casing
<EQL	sample-specific estimated quantitation limit

Results below Detection

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

Uncertainty and Data Usability

In April 1998, SCDHEC accepted guidance proposed by SRS to apply a method for minimizing uncertainty in compliance decisions potentially affecting long-term monitoring or remediation (letter, Taylor to Cook; April 21, 1998). The method is applied by processing or "filtering" the data, using the EPA Functional Guideline Codes applied by the laboratories to qualify the analytical results. By removing all data with a result qualifier of "L", "R", "U", and "J" from consideration, groundwater data users can ensure that only quantified numerical results are applied to the decision process. The output of the filtering process populates the "Filt" column as follows:

1) "Null" or "blank" – Data not remarked. The analytical result is acceptable for use as reported.

Rationale: The best result would be one without qualifiers, so the preferred choice would be the maximum result that did not have any qualifiers.

2) "J", "L", "N", "NJ", or "JL" – "J" identifies that the analyte was positively identified; the associated numerical value is an estimated concentration of the analyte in the sample. "L" indicates the sample result is off scale high. "JL" indicates an estimated quantity of a sample that is off scale high. "N" is used for all TIC (tentatively identified compounds) and indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. "NJ" means the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.

Rationale: An estimate can still provide useful information. Although there may be a range of uncertainty around the actual value, the value itself may still grossly exceed a regulatory standard. However, an estimated value is less certain than an unqualified result. Therefore, this would be labeled as "NDD" (not decision data).

3) "U" - material analyzed for, but not detected. The analyte concentration is less than the <ssEQL (less than the sample-specific Estimated Quantitation Limit) and labeled "<EQL".

Rationale: A result above the detection limit would be chosen before a result below detection so that the process is not biased toward false negatives.

4) "UJ" - result is not above the reported sample quantitation limit, but the reported quantitation limit itself is approximate, and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Rationale: The additional qualifiers make this result less reliable for use than the "U" without qualifiers. These results would be labeled “<EQL”.

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, the result qualifier “Q” in the “EPA” column indicates that holding time was exceeded. Analyses performed beyond holding times may not yield valid results.

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

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

Data Qualification

The contract laboratories submit sample- or batch-specific quality assurance/quality control information either at the same time as analytical results or in a quarterly summary. Properly defined and used, data qualifiers can be a key component in assessing data usability. The EPA Functional Guideline Codes used by the analytical laboratories are shown in the CLP result qualifier column and are defined below. These modifiers appear in the data tables under the column *CLP*. EPA STORET codes appear in the data tables under the column labeled *EPA*.

“CLP” Qualifiers - EPA Functional Guideline Codes

(Blank)	Data not remarked. The analytical result is acceptable for use as reported.
J	The analyte was positively identified; the associated numerical value is an estimated concentration of the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. Used for all TIC results.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. Assignment of *R* requires approval by the appropriate WSRC data validation coordinator.
U	Material analyzed for but not detected. Analytical result reported is less than the sample quantitation limit.
NJ	The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.

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

"EPA" Qualifiers – EPA STORET Codes

(Blank)	Data not remarked
C	The result is calculated.
I	The result is less than the ssEQL, but equal to or greater than the MDL. Always reported with an associated EPA functional Guideline Code qualifier of *U*.
K	The actual concentration is known to be less than the reported result.
L	The actual concentration is known to be less than the reported result.
O	Sample received by laboratory, but the analysis was lost or not performed.
Q	Sample was held beyond normal holding time prior to analysis.

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

Table D-1. Maximum Levels of Constituents Exceeding the Final Primary Drinking WaterStandards Steed Pond Aquifer (Water Table)

Well Name	Analyte	Unit	1Q00	2Q00	3Q00	4Q00
LFW 6R	Mercury, total recoverable	ug/L	----	----	----	2.32
LFW 8R	Chloroethene (Vinyl chloride)	ug/L	9.6	18	----	11
	Gross alpha	pCi/L	----	----	----	22
LFW 10A	Benzene	ug/L	----	----	----	6.9
	Chloroethene (Vinyl chloride)	ug/L	19	22	----	33
	Tritium	pCi/L	53	71.9	56.6	74.9
LFW 18	Gross alpha	pCi/L	----	17.1	----	----
LFW 21	Chloroethene (Vinyl chloride)	ug/L	79	85	----	77
LFW 23R	Gross alpha	pCi/L	----	16.4	----	22.3
LFW 36R	Chloroethene (Vinyl chloride)	ug/L	18	27	----	14
LFW 43D	Thallium, total recoverable	ug/L	----	----	10.1	----
LFW 45D	Mercury, total recoverable	ug/L	2.1	----	----	----
LFW 58D	Dichloromethane (Methylene chloride)	ug/L	----	----	6.4	----
	Mercury, total recoverable	ug/L	2.01	----	----	----
	Trichloroethylene	ug/L	5.8	----	----	----
LFW 59D	Trichloroethylene	ug/L	5.3	----	----	5.5
LFW 60D	Mercury, total recoverable	ug/L	2.32	2.21	----	----
	Trichloroethylene	ug/L	6.3	6.8	----	----
LFW 61D	Trichloroethylene	ug/L	6.7	----	----	----
LFW 62D	1,4-Dichlorobenzene	ug/L	85	----	----	----
	Benzene	ug/L	19	----	----	
	Chloroethene (Vinyl chloride)	ug/L	16	----	----	
	Trichloroethylene	ug/L	11	----	----	----
LFW 63D	Chloroethene (Vinyl chloride)	ug/L	6.3	----	----	----
LFW 64C	Gross alpha	pCi/L	----	22.6	----	23.3

Table D-1. Maximum Levels of Constituents Exceeding the Final Primary Drinking Water Standards Steed Pond Aquifer (Water Table). (continued)

Well Name	Analyte	Unit	1Q00	2Q00	3Q00	4Q00
LFW 64D	Chloroethene (Vinyl chloride)	ug/L	5.8	7.9	----	6.1
LFW 65D	Trichloroethylene	ug/L	5.7	7.2	----	5.6
LFW 67B	Gross alpha	pCi/L	----	----	----	43.4
LFW 67C	Benzene	ug/L	5.3	----	----	----
	Chloroethene (Vinyl chloride)	ug/L	110	82	----	40
LFW 67D	Trichloroethylene	ug/L	13	8.3	----	----
LFW 68C	Lead, total recoverable	ug/L	----	----	----	398
LFW 69C	Gross alpha	pCi/L	16	----	----	----
LFW 69D	Chloroethene (Vinyl chloride)	ug/L	----	11	----	5

Notes: The groundwater samples are unfiltered. Therefore, the results for metals are for total recoverable metals.
--- = analyzed but not above final PDWS

Table D-2. Groundwater Monitoring Results for Individual Wells

WELL LFW 6R

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 84413.9 E 45194.03	33.28620 Deg N 81.71177 Deg W	154.53 - 134.6 ft msl	170.5 ft msl	2 " PVC	V	U

SAMPLE DATE	03/01/00	06/14/00	09/28/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	152.72	151.92	153.37	151.65	ft msl
pH	4.8	5	4.9	5	pH
Sp. Conductance	42	38	67	41	uS/cm
Water temperature	19.8	19.9	22.4	20.3	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	.3	.8	.2	.4	NTU
Volumes purged	6.49	12.5	7.25	3.63	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	.85	1.6	2	J	IK	NDD	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	1.2	2.4	2.5	J	IK	NDD	2.4	J	I	NDD	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	7.1	9.6	1.4	J	IK	NDD	6.8			< 75	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	58.7	45	65.9	J	I	NDD					ug/L
	Antimony, total recoverable		<6.27									ug/L
	Arsenic, total recoverable	<10	<20	<3.76	JU		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	20.4	13.6	34.9			< 2000	19.1			< 2000	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		1320									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	2	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<4.19	<30	<10	U		< EQL	<3.42	JU		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	1.6	<2.5	<3.3	U	V	< EQL	2.2	J	I	NDD	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 6R

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	4.42	7.41	11.5	J	I	NDD	11.2	J	IL	NDD	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<13.3	25.1	7.4	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		1560									ug/L
	Manganese, total recoverable		7.52									ug/L
+	Mercury, total recoverable	.325	.386	1.48			< 0	***2.32***			> 2	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta	5.85										pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		503									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<6.16	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1850									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	1.1	<5	U		< EQL	1.2	J	I	NDD	ug/L
+	Trichlorofluoromethane	15	***30***	42	J	K	NDD	***45***			> 20	ug/L
	Tritium	1.22	1.32	1.05	J	I	NDD	1.7			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<30									ug/L
	cis-1,2-Dichloroethylene	25	36	5.9	J	K	NDD	25			< 70	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 8R

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 83948.98 E 45414.59	33.28553 Deg N 81.71028 Deg W	155.07 - 135.1 ft msl	170.7800 ft msl	2 " PVC	V	U

SAMPLE DATE	03/07/00	06/12/00	09/22/00	11/01/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	148.81	148.35	148.12	148.22	ft msl
pH	6.6	7.4	6.1	6.3	pH
Sp. Conductance	211	23	216	266	uS/cm
Water temperature	19.3	26.1	22.9	22.9	deg. C
Alkalinity as CaCO3	103	95	0	99	mg/L
Turbidity	.4	13	2.1	.9	NTU
Volumes purged	15.5	1.88	1.44	1.90	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	1.8	2.7	3	J	IK	NDD	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	3.8	7.1	6	J	K	NDD	5.3			< 75	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	<40	<200	U		< EQL					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	19.2	14.1	23.6			< 50	24.3			< 50	ug/L
	Barium, total recoverable	11.9	9.25	12.6			< 2000	15.8			< 2000	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		2210									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	2.6	3	4.9	J	IK	NDD	4.3	J	I	NDD	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Chloroethene (Vinyl chloride)	***9.6***	***18***	15	J	K	NDD	***11***			> 2	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		29.7									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.5	<10	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 8R

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Gross alpha	5.04	13.4	21.5	J	L	NDD	***22***			> 15	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	66100	***64100***	***68300***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	39.8	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		1520									ug/L
	Manganese, total recoverable		***69.6***									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	JU	L	< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		854									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<4.52	JU		< EQL	ug/L
	Silver, total recoverable	<20	<50	<4.21	U	V	< EQL	<6.5	JU		< EQL	ug/L
	Sodium, total recoverable		2250									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<4.28									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	.41	1.28	1.02	J	I	NDD	1.09	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		174									ug/L
	cis-1,2-Dichloroethylene	3.3	4.6	8.9	J	K	NDD	4.8	J	I	NDD	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 10A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 84369.6 E 45935.6	33.287 Deg N 81.71 Deg W	164.44 - 134.4 ft msl	181.6100 ft msl	4 " PVC	S	U

SAMPLE DATE	03/08/00	06/14/00	09/25/00	11/01/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	151.01	150.45	150.15	150.1	ft msl
pH	6.7	7.5	6.5	6.5	pH
Sp. Conductance	300	275	300	464	uS/cm
Water temperature	20.7	24.4	22.2	22.2	deg. C
Alkalinity as CaCO3	125	108	99	162	mg/L
Turbidity	1	.6	2.1	3.6	NTU
Volumes purged	3.75	1.75	2.17	0	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	1,1-Dichloroethane	***69***	***71***	71	J	K	NDD	***120***			> 20	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	1.2	<5	1.1	J	IK	NDD	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	29	34	29	J	K	NDD	50			< 0	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	<40	<77.7	U	V	< EQL					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	12.4	<20	10.4			< 50	11.3			< 50	ug/L
	Barium, total recoverable	2.24	<15	2.22	J	I	NDD	<2.84	U	V	< EQL	ug/L
+	Benzene	3.8	4.3	4.2	J	IK	NDD	***6.9***			> 5	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		4330									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	2	2.3	1.9	J	IK	NDD	3.5	J	I	NDD	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Chloroethene (Vinyl chloride)	***19***	***22***	24	J	K	NDD	***33***			> 2	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<3.78	JU		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	1.4	<10	1.8	J	IK	NDD	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 10A

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	3.4	3.7	2.3	J	IK	NDD	6.4			< 700	ug/L
	Gross alpha	.989	1.31	-.589	U		< EQL	.428	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	47700	39500	***51400***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		7360									ug/L
	Manganese, total recoverable		11.8									ug/L
	Mercury, total recoverable	<.5	<.2	.355	J	I	NDD	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<4.22	JU		< EQL	ug/L
	Sodium, total recoverable		18500									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	2.4	3.5	2.2	J	IK	NDD	6.5			< 1000	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Tritium	***53***	***71.9***	***56.6***			> 20	***74.9***			> 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	4.2	5.7	3.4	J	IK	NDD	6.1	J	I	NDD	ug/L
	Zinc, total recoverable		7.14									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 18

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 84577.3 E 45459.4	33.287 Deg N 81.711 Deg W	167.65 - 137.7 ft msl	183.9200 ft msl	4 " PVC	S	U

SAMPLE DATE	03/08/00	06/14/00	09/25/00	11/01/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	153.33	152.81	153.01	152.36	ft msl
pH	6.5	7.6	6.4	6.4	pH
Sp. Conductance	139	134	178	193	uS/cm
Water temperature	20.2	21.8	22.3	21.4	deg. C
Alkalinity as CaCO3	44	37	63	74	mg/L
Turbidity	.3	.8	1.9	.6	NTU
Volumes purged	2.77	3.59	2.12	2.22	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	1.7	J	IK	NDD	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	5.1	4.7	13	J	K	NDD	13			< 75	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	<40	<200	U		< EQL					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	19.3	12.8	19.2			< 50	18.8			< 50	ug/L
	Barium, total recoverable	8.92	10.9	5.33	J	I	NDD	5.83	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		2310									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	1.4	1.2	3.4	J	IK	NDD	3.3	J	I	NDD	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	4.5	J	IK	NDD	3.4	J	I	NDD	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<10	<10	1.4	J	IK	NDD	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 18

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	4.88	***17.1***	4.01	U		< EQL	2.2	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	***24600***	19100	***28600***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		2680									ug/L
	Manganese, total recoverable		12.8									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		1260									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<3.69	<50	<20	U		< EQL	<5.05	JU		< EQL	ug/L
	Sodium, total recoverable		6610									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	2.73	3.62	4.54			< 20	4.92			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<30									ug/L
	cis-1,2-Dichloroethylene	<5	<5	2.3	J	IK	NDD	1.1	J	I	NDD	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 21

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 84178.3 E 46149.4	33.287 Deg N 81.709 Deg W	167.91 - 137.9 ft msl	185.0600 ft msl	4 " PVC	S	U

SAMPLE DATE	03/08/00	06/14/00	09/25/00	11/01/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	149.56	148.7	148.61	148.56	ft msl
pH	6.9	7.2	6.6	6.6	pH
Sp. Conductance	215	198	209	223	uS/cm
Water temperature	21.4	24.4	21.6	22.6	deg. C
Alkalinity as CaCO3	85	94	63	67	mg/L
Turbidity	.7	1.9	.2	1.7	NTU
Volumes purged	6.72	2.47	6.89	2.21	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	1,1-Dichloroethane	***39***	***37***	50	J	K	NDD	***39***			> 20	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	21	22	20	J	K	NDD	23			< 75	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Aluminum, total recoverable	<200	<40	***1390***			> 50					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	9.34	<7.2	7.91	J	I	NDD	7.65	J	I	NDD	ug/L
	Barium, total recoverable	6.03	4.2	10.4			< 2000	5.53	J	I	NDD	ug/L
	Benzene	3.5	3.8	4.2	J	IK	NDD	4.3	J	I	NDD	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		9630									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	1.3	1.9	1.4	J	IK	NDD	1.5	J	I	NDD	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Chloroethene (Vinyl chloride)	***79***	***85***	83	J	K	NDD	***77***			> 2	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 21

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	23	22	31	J	K	NDD	26			< 700	ug/L
	Gross alpha	2.02	3.39	13.3	J	I	NDD	5.09	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	***21200***	19000	***24000***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		4590									ug/L
	Manganese, total recoverable		5.86									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		489									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		10700									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	5.5	9.1	7.1	J	K	NDD	6.5			< 1000	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	5.9	6.54	5.98			< 20	5.78			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	62	49	82	J	K	NDD	71			< 10000	ug/L
	Zinc, total recoverable		6.61									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 23R

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 84206.08 E 46512.9	33.28790 Deg N 81.70789 Deg W	138.41 - 118.4 ft msl	170.4900 ft msl	2 " PVC	V	U

SAMPLE DATE	03/01/00	06/14/00	09/29/00	11/03/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	149.53	148.55	148.96	148.38	ft msl
pH	4.7	5	4.6	4.9	pH
Sp. Conductance	30	29	33	34	uS/cm
Water temperature	19.9	20.9	19.7	20.7	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	1.2	.9	.3	.8	NTU
Volumes purged	4.16	6.34	8.88	4.32	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1-Dichloropropene		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dichlorobenzene		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,3-Dichloropropane		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	JU	Q	< EQL	ug/L
	2,2-Dichloropropane		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	JU	Q	< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Aluminum, total recoverable	29.4	***53.3***	<200	U		< EQL					ug/L
	Antimony, total recoverable		<4.41									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	11.6	8.26	9.02	J	I	NDD	10.9			< 2000	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		608									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		19.9									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Dichloromethane (Methylene chloride)	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 23R

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
+	Gross alpha	8.03	***16.4***	17.1	J	L	NDD	***22.3***			> 15	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Iron, total recoverable	<6.57	13.5	<48.1	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	JU	Q	< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		895									ug/L
	Manganese, total recoverable		<10									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta	8.22										pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1710									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Tritium	1.43	1.29	1.09	J	I	NDD	1.29			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	Zinc, total recoverable		10.3									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 31

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 86262.2 E 44869	33.29 Deg N 81.716 Deg W	166 - 145 ft msl	229.3000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/07/00	06/20/00	09/25/00	11/02/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	162.94	150.05	162.2	146	ft msl
pH	5.2	6.7	5.4	4.6	pH
Sp. Conductance	15	32	20	17	uS/cm
Water temperature	18.5	22.2	20.7	20.4	deg. C
Alkalinity as CaCO3	2	3	2	29	mg/L
Turbidity	1.7	6.6	2	1.8	NTU
Volumes purged	4.15	5.78	9.47	80.6	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	29.5	***77.9***	<60.5	U	V	< EQL					ug/L
	Antimony, total recoverable	<100	<6.11									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	4.29	6.88	4.35	J	I	NDD	4.41	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable	<1	<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<2.01	JU		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		1140									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	5.93	J	I	NDD	<3.28	JU		< EQL	ug/L
	Cobalt, total recoverable	<20	<20									ug/L
	Copper, total recoverable	6.78	123									ug/L
	Di-n-butyl phthalate	<10										ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 31

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Dichloromethane (Methylene chloride)	<1.5	<1.6	<10	U		< EQL	<10	U		< EQL	ug/L
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	1.73	6.61	7	U		< EQL	6.19	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	73.5	***1230***	66.3	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<3.05	27.4	<10	U		< EQL	3.22	J	I	NDD	ug/L
	Magnesium, total recoverable		970									ug/L
	Manganese, total recoverable		10.4									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable	<50	<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		853									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	12.3	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	46.1	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1910									ug/L
	Specific conductance	14.8										uS/cm
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable	<5.65	<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	1.5	13	<5	U		< EQL	2.8	J	I	NDD	ug/L
	Tritium	.8	.729	1.49			< 20	1.33			< 20	pCi/mL
	Vanadium, total recoverable	<10	<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable	11	53.7									ug/L
	beta-Benzene hexachloride	<.1										ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	pH	5.72										pH
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 36R

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 83537.25 E 45519.06	33.28479 Deg N 81.70921 Deg W	142.03 - 122.0 ft msl	168.4000 ft msl	2 " PVC	V	U

SAMPLE DATE	03/09/00	06/12/00	09/22/00	11/02/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	146.05	145.13	144.98	144.98	ft msl
pH	6.6	7.3	6	6.3	pH
Sp. Conductance	151	172	174	180	uS/cm
Water temperature	18.9	22.2	23.6	22.3	deg. C
Alkalinity as CaCO3	56	53	0	47	mg/L
Turbidity	1.3	1.6	6.6	1.3	NTU
Volumes purged	13.1	0	1.89	2.97	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	11	14	15	J	K	NDD	14			< 0	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	21	25	19	J	K	NDD	22			< 75	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	***385***	<40	<200	U		< EQL					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<5.96	U	V	< EQL	<5.24	JU		< EQL	ug/L
	Barium, total recoverable	2.51	<15	2.53	J	I	NDD	<3.14	U	V	< EQL	ug/L
	Benzene	.87	1.1	1	J	IK	NDD	.98	J	I	NDD	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		3640									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	9.4	13	8.9	J	K	NDD	11			< 100	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Chloroethene (Vinyl chloride)	***18***	***27***	19	J	K	NDD	***14***			> 2	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<7.97	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 36R

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	3.77	6.68	3.99	R	L	Rejected	1.28	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	***23600***	***22000***	***24200***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		3860									ug/L
	Manganese, total recoverable		15.8									ug/L
	Mercury, total recoverable	<.195	<.2	<.5	JU	L	< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		980									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		11000									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<5.69									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	1.55	2.59	2.26			< 20	2.8			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<30									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 41R

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 83238.25 E 46635.25	33.28596 Deg N 81.70569 Deg W	140.23 - 120.2 ft msl	169.6800 ft msl	2 " PVC	V	U

SAMPLE DATE	03/01/00	06/14/00	09/28/00	11/03/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	143.08	141.43	142.1	140.8	ft msl
pH	5	5	5	5.1	pH
Sp. Conductance	28	27	32	31	uS/cm
Water temperature	20.5	21.2	21	21.2	deg. C
Alkalinity as CaCO3	1	0	1	0	mg/L
Turbidity	.6	.4	.6	.2	NTU
Volumes purged	11.1	2.34	2.83	7.23	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1,1-Trichloroethane	1.4	1	1.4	J	IK	NDD	<5	JU	Q	< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1-Dichloroethane	5.4	3.9	6.6	J	K	NDD	5.4	J	Q	NDD	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1-Dichloropropene		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dichlorobenzene		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,3-Dichloropropane		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	JU	Q	< EQL	ug/L
	2,2-Dichloropropane		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	JU	Q	< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Aluminum, total recoverable	104	20.6	99.9	J	I	NDD					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	4.93	4.28	5.02	J	I	NDD	5.9	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		591									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Dichlorodifluoromethane	<5	8.9	<5	U		< EQL	9.8	J	Q	NDD	ug/L
	Dichloromethane (Methylene chloride)	<10	<10	<2	U	V	< EQL	<10	JU	Q	< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 41R

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Gross alpha	3.09	9.17	3.71	U		< EQL	13.1	J	I	NDD	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Iron, total recoverable	<22.2	17.2	236			< 0					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	JU	Q	< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		664									ug/L
	Manganese, total recoverable		<10									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta	4.1	7.32									pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Potassium, total recoverable		375									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		2450									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Thallium, total recoverable		<40									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Trichloroethylene	1.6	1	1.5	J	I	NDD	1.8	J	IQ	NDD	ug/L
	Trichlorofluoromethane	13	9.7	10	J	K	NDD	10	J	Q	NDD	ug/L
	Tritium	1.35	1.11	1.36	J	I	NDD	1.36			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	Zinc, total recoverable		<30									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 43B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 86459.2 E 45240.5	33.291 Deg N 81.716 Deg W	100.40 - 90.40 ft msl	203 ft msl	4 " PVC	S	M

SAMPLE DATE	03/02/00	06/13/00	10/02/00	11/09/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	163.71	163.09	162.8	162.45	ft msl
pH	5.2		5	5	pH
Sp. Conductance	17		18	18	uS/cm
Water temperature	19.1		19.3	19.4	deg. C
Alkalinity as CaCO3	1	0	0	0	mg/L
Turbidity	.2		.9	.3	NTU
Volumes purged	2.46		3.48	3.03	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<10	U		< EQL	<10	U		< EQL	ug/L
	Aluminum, total recoverable	<200	20.2	38.9	J	I	NDD					ug/L
	Antimony, total recoverable		<5.67	<100	U		< EQL					ug/L
	Arsenic, total recoverable	<10	<4.09	<40	U		< EQL	<40	U		< EQL	ug/L
	Barium, total recoverable	<4.77	3.26	4			< 2000	4			< 2000	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5	<.13	JU		< EQL					ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<10	U		< EQL	<10	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		789									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<10	U		< EQL	<10	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<10	U		< EQL	<10	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<10	U		< EQL	<10	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	1.7	J	I	NDD	ug/L
	Cobalt, total recoverable		<20	<20	U		< EQL					ug/L
	Copper, total recoverable		<60	<20	U		< EQL					ug/L
	Di-n-butyl phthalate			<9.5	U		< EQL					ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 43B

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Dichloromethane (Methylene chloride)	<1.6	<10	<8.32	U		< EQL	<10	U		< EQL	ug/L
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	2.69	5.55	3.4			< 15	3.29			< 15	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	27.9	<44.1	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<47	U		< EQL	<47	U		< EQL	ug/L
	Magnesium, total recoverable		274									ug/L
	Manganese, total recoverable		2.93									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	.11	J	I	NDD	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60	<50	U		< EQL					ug/L
	Nonvolatile beta	1.37						5.8	U		< EQL	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<66	U		< EQL	<66	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U	V	< EQL	ug/L
	Sodium, total recoverable		1130									ug/L
	Specific conductance			16.1			< 500					uS/cm
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20	<10	U		< EQL					ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	2.67	1.21	1.34	J	I	NDD	.773	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30	<10	U		< EQL					ug/L
	Vinyl acetate	<5	<5	<10	U		< EQL	<10	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<30	<20	U		< EQL					ug/L
	beta-Benzene hexachloride			<.095	U		< EQL					ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	pH			5.04	J	Q	NDD					pH
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 43C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 86480.6 E 45234.9	33.291 Deg N 81.716 Deg W	138.5 - 128.5 ft msl	202.6000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/02/00	06/12/00	10/02/00	11/09/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	163.75	163.18	162.83	162.5	ft msl
pH	5.2		5.2	5.1	pH
Sp. Conductance	14		15	14	uS/cm
Water temperature	18.7		19.3	19	deg. C
Alkalinity as CaCO3	1	0	0	0	mg/L
Turbidity	.2		1.3	.4	NTU
Volumes purged	2.52		4.78	2.89	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	<40	56.3	J	I	NDD					ug/L
	Antimony, total recoverable		<20	<100	U		< EQL					ug/L
	Arsenic, total recoverable	<10	<20	4.48	J	I	NDD	<10	U		< EQL	ug/L
	Barium, total recoverable	<3.57	<15	3.27	J	I	NDD	2.95	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5	<.13	JU		< EQL					ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		677									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20	<5.26	JU		< EQL					ug/L
	Copper, total recoverable		<60	<20	U		< EQL					ug/L
	Di-n-butyl phthalate			<9.5	U		< EQL					ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 43C

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Dichloromethane (Methylene chloride)	<1.5	<10	<1.4	U		< EQL	<10	U		< EQL	ug/L
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	1.25	4.01	1.16	JU	L	< EQL	1.99	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	<40	<48.7	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		403									ug/L
	Manganese, total recoverable		3.48									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60	<6.28	JU		< EQL					ug/L
	Nonvolatile beta							-2.56	JU		< EQL	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		791									ug/L
	Specific conductance			13.4			< 500					uS/cm
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20	8.05	J	I	NDD					ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	2.55	1.16	1.69			< 20	1.53			< 20	pCi/mL
	Vanadium, total recoverable		<30	<10	U		< EQL					ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<11.7	<20	U		< EQL					ug/L
	beta-Benzene hexachloride			<.098	U		< EQL					ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	pH			5.11	J	Q	NDD					pH
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 43D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 86443.2 E 45244.5	33.291 Deg N 81.716 Deg W	170.9 - 150.9 ft msl	202.9000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/02/00	06/13/00	10/02/00	11/09/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	163.82	163.39	162.88	162.67	ft msl
pH	5.2	5.2	5.2	4.7	pH
Sp. Conductance	11	10	11	12	uS/cm
Water temperature	18.1	19	18.8	19.1	deg. C
Alkalinity as CaCO3	3	0	0	0	mg/L
Turbidity	.3	1.2	1.3	.4	NTU
Volumes purged	5.27	19.8	4.01	5.01	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	11.5	65.3	J	I	NDD					ug/L
	Antimony, total recoverable		<20	<100	U		< EQL					ug/L
	Arsenic, total recoverable	<10	<20	5.13	J	I	NDD	<10	U		< EQL	ug/L
	Barium, total recoverable	<6.56	5.45	6.19	J	I	NDD	7.34	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5	<.12	JU		< EQL					ug/L
	Boron, total recoverable			10	J	I	NDD					ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		365									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<4.82	JU		< EQL	ug/L
	Cobalt, total recoverable		<20	<20	U		< EQL					ug/L
	Copper, total recoverable		<60	7.62	J	I	NDD					ug/L
	Di-n-butyl phthalate			<9.5	U		< EQL					ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 43D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.6	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	1.98	3.51	5.32	JU	L	< EQL	1.98	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	20.7	<53.3	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Lithium, total recoverable			<2	U		< EQL					ug/L
	Magnesium, total recoverable		322									ug/L
	Manganese, total recoverable		3.49									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60	<50	U		< EQL					ug/L
	Nonvolatile beta							3.47	U		< EQL	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		508									ug/L
	Specific conductance			8.98			< 500					uS/cm
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Thallium, total recoverable		<20	***10.1***			> 2					ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Total organic carbon			***7100***			> 1000					ug/L
	Total organic halogens			18.4	J	I	NDD					ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	1.48	1.3	1.19	J	I	NDD	.784	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30	<10	U		< EQL					ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<30	<20	U		< EQL					ug/L
	beta-Benzene hexachloride			<.095	U		< EQL					ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	pH			5.13	J	Q	NDD					pH
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 45D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 84217.8 E 45142	33.286 Deg N 81.712 Deg W	154.70 - 134.7 ft msl	166.3000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/01/00	06/19/00	09/28/00	11/10/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	151.29	150.5	152.09	150.3	ft msl
pH	5.1	5.7	5.2	4	pH
Sp. Conductance	33	45	44	42	uS/cm
Water temperature	19.3	21.7	23.1	21.4	deg. C
Alkalinity as CaCO3	1	0	0	0	mg/L
Turbidity	1.1	1.9	.9	.6	NTU
Volumes purged	3.72	4.01	2.93	4.55	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<10	<5	U		< EQL	<10	U		< EQL	ug/L
	Aluminum, total recoverable	53.7	<80.4	44.9	J	I	NDD					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<40	U		< EQL	ug/L
	Barium, total recoverable	17.6	24.3	17			< 2000	19.4			< 2000	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Boron, total recoverable			21.1	J	I	NDD					ug/L
	Bromochloromethane		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<10	<5	U		< EQL	<10	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		2160									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<10	<5	U		< EQL	<10	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<10	<5	U		< EQL	<10	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<10	<5	U		< EQL	<10	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	1.9	J	I	NDD	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<10	<5	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 45D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Dichloromethane (Methylene chloride)	<10	<10	<1.7	U	V	< EQL	<10	U		< EQL	ug/L
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	4.98	9.89	12.3	J	I	NDD	8.3			< 0	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<76.5	<112	217			< 0					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	9.1	J	I	NDD	ug/L
	Lithium, total recoverable			<2	U		< EQL					ug/L
	Magnesium, total recoverable		1270									ug/L
	Manganese, total recoverable		***227***									ug/L
	Mercury, total recoverable	***2.1***	.969	.362	J	I	NDD	.377	J	I	NDD	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta	4.82						8.26	J	I	NDD	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		1210									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<66	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U	V	< EQL	ug/L
	Sodium, total recoverable		2210									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<40									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Total organic carbon			<5000	U		< EQL					ug/L
	Total organic halogens			47.3	J	I	NDD					ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	14	17	3.6	J	IK	NDD	11.3			< 20	ug/L
	Tritium	1.2	1.35	1.11	J	I	NDD	1.46			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<10	<5	U		< EQL	<10	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<30									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 47C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 83823.3 E 45161.6	33.285 Deg N 81.711 Deg W	115.8 - 105.7 ft msl	161.4000 ft msl	4 " PVC	S	M

SAMPLE DATE 11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	*Not Available*	*Not Available*	*Not Available*	147.23	ft msl
pH				5	pH
Sp. Conductance				30	uS/cm
Water temperature				19.8	deg. C
Alkalinity as CaCO3				0	mg/L
Turbidity				.4	NTU
Volumes purged				3.05	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane							<5	U		< EQL	ug/L
	1,1,1-Trichloroethane							1.7	J	I	NDD	ug/L
	1,1,2,2-Tetrachloroethane							<5	U		< EQL	ug/L
	1,1,2-Trichloroethane							<5	U		< EQL	ug/L
	1,1-Dichloroethane							1.9	J	I	NDD	ug/L
	1,1-Dichloroethylene							<5	U		< EQL	ug/L
	1,1-Dichloropropene							<5	U		< EQL	ug/L
	1,2,3-Trichloropropane							<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane							<10	U		< EQL	ug/L
	1,2-Dibromoethane							<5	U		< EQL	ug/L
	1,2-Dichlorobenzene							<5	U		< EQL	ug/L
	1,2-Dichloroethane							<5	U		< EQL	ug/L
	1,2-Dichloropropane							<5	U		< EQL	ug/L
	1,3-Dichlorobenzene							<5	U		< EQL	ug/L
	1,3-Dichloropropane							<5	U		< EQL	ug/L
	1,4-Dichlorobenzene							<5	U		< EQL	ug/L
	1,4-Dioxane							<500	U		< EQL	ug/L
	2,2-Dichloropropane							<5	U		< EQL	ug/L
	2-Hexanone							<20	U		< EQL	ug/L
	Acetone							<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)							<200	U		< EQL	ug/L
	Acrolein							<50	U		< EQL	ug/L
	Acrylonitrile							<10	U		< EQL	ug/L
	Allyl chloride							<5	U		< EQL	ug/L
	Arsenic, total recoverable							<10	U		< EQL	ug/L
	Barium, total recoverable							8.63	J	I	NDD	ug/L
	Benzene							<5	U		< EQL	ug/L
	Bromochloromethane							<5	U		< EQL	ug/L
	Bromodichloromethane							<5	U		< EQL	ug/L
	Bromoform							<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)							<5	U		< EQL	ug/L
	Cadmium, total recoverable							<10	U		< EQL	ug/L
	Carbon disulfide							<5	U		< EQL	ug/L
	Carbon tetrachloride							<5	U		< EQL	ug/L
	Chlorobenzene							<5	U		< EQL	ug/L
	Chloroethane							<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)							<5	U		< EQL	ug/L
	Chloroform							<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)							<5	U		< EQL	ug/L
	Chloroprene							<20	U		< EQL	ug/L
	Chromium, total recoverable							<10	U		< EQL	ug/L
	Dibromochloromethane							<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)							<5	U		< EQL	ug/L
	Dichlorodifluoromethane							<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)							1.6	J	I	NDD	ug/L
	Ethyl methacrylate							<5	U		< EQL	ug/L
	Ethylbenzene							<5	U		< EQL	ug/L
	Gross alpha							18.7	J	L	NDD	pCi/L
	Iodomethane (Methyl iodide)							<5	U		< EQL	ug/L
	Isobutyl alcohol							<500	U		< EQL	ug/L
	Lead, total recoverable							<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 47C

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Mercury, total recoverable							<.5	U		< EQL	ug/L
	Methacrylonitrile							<200	U		< EQL	ug/L
	Methyl ethyl ketone							<20	U		< EQL	ug/L
	Methyl isobutyl ketone							<10	U		< EQL	ug/L
	Methyl methacrylate							<20	U		< EQL	ug/L
	Pentachloroethane							<200	U		< EQL	ug/L
	Propionitrile							<200	U		< EQL	ug/L
	Selenium, total recoverable							<10	U		< EQL	ug/L
	Silver, total recoverable							<20	U		< EQL	ug/L
	Styrene							<5	U		< EQL	ug/L
	Tetrachloroethylene							<5	U		< EQL	ug/L
	Toluene							<5	U		< EQL	ug/L
	Trichloroethylene							1	J	I	NDD	ug/L
+	Trichlorofluoromethane							***61***			> 20	ug/L
	Tritium							1.21	J	I	NDD	pCi/mL
	Vinyl acetate							<5	U		< EQL	ug/L
	Xylenes							<10	U		< EQL	ug/L
	cis-1,2-Dichloroethylene							6.1			< 70	ug/L
	cis-1,3-Dichloropropene							<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene							<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene							<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene							<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 47D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 83838.6 E 45150.8	33.285 Deg N 81.711 Deg W	154.7 - 134.9 ft msl	161.7000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/02/00	06/14/00	09/28/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	148.53	147.83	148.92	147.79	ft msl
pH	4.7	5.3	5.3	5.2	pH
Sp. Conductance	52	46	37	47	uS/cm
Water temperature	16.9	20.2	22.6	23.3	deg. C
Alkalinity as CaCO3	2	2	1	0	mg/L
Turbidity	.2	.9	.2	.6	NTU
Volumes purged	4.88	58.4	6.07	2.28	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	16.6	<200	U		< EQL					ug/L
	Antimony, total recoverable		<5.68									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	30.5	18.6	21.5			< 2000	28.7			< 2000	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		3600									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.7	<10	<2	U	V	< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 47D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	.521	1.93	.331	U		< EQL	1.17	JU	L	< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	5.55	46.9	10.1	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		1570									ug/L
	Manganese, total recoverable		7.49									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		906									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1100									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	6.83	.898	.689	J	I	NDD	.753	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		8.8									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 56D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 83398 E 45306.6	33.284 Deg N 81.709 Deg W	151.4 - 131.3 ft msl	158.1000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/02/00	06/14/00	10/02/00	11/09/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	144.92	144.25	144.99	144.33	ft msl
pH	5.1	5.1	4.8	4.9	pH
Sp. Conductance	21	21	22	23	uS/cm
Water temperature	17.3	24.9	20	20.5	deg. C
Alkalinity as CaCO3	2	2	0	0	mg/L
Turbidity	.6	2.5	.7	.6	NTU
Volumes purged	3.41	4.30	5.09	4.40	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	40.3	43.5	J	I	NDD					ug/L
	Antimony, total recoverable		<9.04									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<10	6.92	7.87	J	I	NDD	9	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		687									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<4.66	JU		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		15.3									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.7	<10	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 56D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	.806	.718	1.17	JU	L	< EQL	-.55	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	9.65	164	<63.9	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		663									ug/L
	Manganese, total recoverable		3.86									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta							1.78	U		< EQL	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<6.99	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1150									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<7.37									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	1.04	.948	.948	J	I	NDD	.806	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		6.9									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 58D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82940.6 E 45700.2	33.284 Deg N 81.708 Deg W	147.6 - 127.5 ft msl	167.6000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/09/00	06/13/00	09/25/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	142.12	140.7	141	140.7	ft msl
pH	6.2	7	6.2	6.3	pH
Sp. Conductance	159	139	140	148	uS/cm
Water temperature	21.6	25	22.4	21.7	deg. C
Alkalinity as CaCO3	58	140	13	23	mg/L
Turbidity	13.8	3.1	6.3	3.1	NTU
Volumes purged	35.9	6.33	31.1	14.1	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	1,1-Dichloroethane	***47***	***38***	***22.7***			> 20	***33***			> 20	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	1.7	1.6	2	J	IK	NDD	<5	U		< EQL	ug/L
	1,2-Dichloropropane	.95	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<10	<10	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	***281***	***57.4***	125	J	I	NDD					ug/L
	Antimony, total recoverable		<6.6									ug/L
	Arsenic, total recoverable	<5.14	<20	<40	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	3.11	2.1	2.9			< 2000	1.96	J	I	NDD	ug/L
	Benzene	1.1	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<10	<5.89	U	V	< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		2800									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	2.2	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<10	<10	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	2.7	<10	<10	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<10	<10	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<4.52	<30	1.5	J	I	NDD	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<10	<10	U		< EQL	<5	U		< EQL	ug/L
+	Dichloromethane (Methylene chloride)	2.4	<5	***6.4***			> 5	2.4	J	I	NDD	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 58D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	2.65	2.38	1.74	J	I	NDD	1.27	JU	L	< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	***2120***	***463***	***469***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<47	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		4160									ug/L
	Manganese, total recoverable		<5.89									ug/L
	Mercury, total recoverable	***2.01***	.952	1.25			< 0	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<66	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	7.75	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		18700									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	3.2	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	***5.8***	4.4	2.89	J	IK	NDD	4.2	J	I	NDD	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	6.11	8.94	7.92			< 20	1.33	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<10	<10	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		9.88									ug/L
	cis-1,2-Dichloroethylene	13	12	12	J	K	NDD	10			< 70	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 59D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 83000.1 E 46056.1	33.284 Deg N 81.707 Deg W	149.3 - 129.3 ft msl	167.6000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/07/00	06/12/00	09/22/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	142.8	141.5	141.2	141.5	ft msl
pH	5.2	7	4.9	5.3	pH
Sp. Conductance	35	32	32	32	uS/cm
Water temperature	21.5	24.6	22	21.6	deg. C
Alkalinity as CaCO3	1	2	0	3	mg/L
Turbidity	1	6.3	2.4	3.1	NTU
Volumes purged	12.2	318.	30.1	10.7	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	2.22	<5	3.7	J	IK	NDD	1.9	J	I	NDD	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	1,1-Dichloroethane	20	17	56	J	K	NDD	***32***			> 20	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	1	J	IK	NDD	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Aluminum, total recoverable	143	***110***	***1740***			> 50					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<40	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	11.2	5.51	16.5			< 2000	8.03	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		596									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	2.44	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<5.56	JU		< EQL	<4.18	JU		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	10.3	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<4.8	<3.6	2.1	J	IK	NDD	4.5	J	I	NDD	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 59D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	2.95	3.03	3.74	R	L	Rejected	2.83	JU	L	< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	***725***	153	***2050***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<47	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		895									ug/L
	Manganese, total recoverable		<10									ug/L
	Mercury, total recoverable	<.7	<.2	<.5	JU	L	< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		404									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<66	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		3380									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	3.7	2.8	5.2	J	K	NDD	3.1	J	I	NDD	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Trichloroethylene	***5.3***	4.5	7.5	J	K	NDD	***5.5***			> 5	ug/L
	Trichlorofluoromethane	5.77	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	2.1	2.05	4.03			< 20	7.8			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<30									ug/L
	cis-1,2-Dichloroethylene	16	13	18	J	K	NDD	17			< 70	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 60C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82529.6 E 45711.9	33.283 Deg N 81.707 Deg W	108.30 - 98.30 ft msl	157.2000 ft msl	2 " PVC	V	M

SAMPLE DATE	03/09/00	06/14/00	09/21/00	11/08/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	137.44	136.9	137	137.3	ft msl
pH	6.6	7	6.4	6.3	pH
Sp. Conductance	334	129	101	100	uS/cm
Water temperature	20.5	22.7	22.9	21	deg. C
Alkalinity as CaCO3	164	45	2	15	mg/L
Turbidity	6.3	5	13.3	1.8	NTU
Volumes purged	3.45	4.46	1.91	2.68	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	8.5	<5	.96	J	IK	NDD	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	9.1	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	15	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	<40	<200	U		< EQL					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	17.7	11.5	<14	U	V	< EQL	11.8			< 50	ug/L
	Barium, total recoverable	8.73	3.11	2.17	J	I	NDD	2.3	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		1790									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	3.3	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	3.1	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		114									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 60C

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	1.79	.746	-1.4	R	L	Rejected	1.25	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	***75600***	22700	***12600***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<8.92	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		1550									ug/L
	Manganese, total recoverable		23.5									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	JU	L	< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	7.7	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta							4.95	U		< EQL	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		7060									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<40									ug/L
	Toluene	1	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	1.95	2.8	2.66			< 20	2.72			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		54.7									ug/L
	cis-1,2-Dichloroethylene	3.2	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 60D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82531.5 E 45722.3	33.283 Deg N 81.707 Deg W	143.80 - 123.8 ft msl	157.1000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/08/00	06/14/00	09/25/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	138.4	137.11	137.7	137.4	ft msl
pH	5.2	6.7	5.1	5	pH
Sp. Conductance	58	48	55	49	uS/cm
Water temperature	20	22.2	21	20.9	deg. C
Alkalinity as CaCO3	3	1	0	0	mg/L
Turbidity	1.5	.7	3.6	.8	NTU
Volumes purged	4.73	4.39	9.94	3.73	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	1,1-Dichloroethane	***38***	***43***	44	J	K	NDD	***35***			> 20	ug/L
	1,1-Dichloroethylene	1	.93	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	1.2	<5	1.9	J	IK	NDD	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	1.7	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	37.1	30.7	200	J	I	NDD					ug/L
	Antimony, total recoverable		<4.77									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	14.2	10.5	11.3			< 2000	11.8			< 2000	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		1030									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<4.37	JU		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	3	<2.5	4.1	J	IK	NDD	3.6	J	I	NDD	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 60D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	1.28	1.62	-1.37	U		< EQL	2.9	JU	L	< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	48.4	37.6	60.4	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		752									ug/L
	Manganese, total recoverable		14.3									ug/L
	Mercury, total recoverable	***2.32***	***2.21***	1.73			< 0	.933			< 2	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		5800									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	1.6	1.4	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	***6.3***	***6.8***	4.9	J	IK	NDD	4.7	J	I	NDD	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	4.99	4.77	4.78			< 20	2.1			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		8									ug/L
	cis-1,2-Dichloroethylene	16	18	20	J	K	NDD	17			< 70	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 61D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 83089.1 E 46471.1	33.285 Deg N 81.706 Deg W	150.4 - 130.3 ft msl	168.3000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/07/00	07/19/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	143.86	*Not Available*	143.15	142	ft msl
pH	6.5		5.9	6.1	pH
Sp. Conductance	232		160	150	uS/cm
Water temperature	22		24.2	21.4	deg. C
Alkalinity as CaCO3			66	69	mg/L
Turbidity	4.3		2.9	2.2	NTU
Volumes purged	50.4		7.89	13.5	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	1.64		<5	U	IK	< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	***36***		27	J	K	NDD	16			< 0	ug/L
	1,1-Dichloroethylene	.92		<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10		<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene			<5	U	IK	< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	1.1		<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	2.8		<5	U	IK	< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500		<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20		<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	40		<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200		<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50		<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10		<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200		<54.6	U	V	< EQL					ug/L
	Antimony, total recoverable			<20	U		< EQL					ug/L
	Arsenic, total recoverable	10.6		<20	U	V	< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	3.82		<15	U	I	< EQL	3.5	J	I	NDD	ug/L
	Benzene	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable			<5	U		< EQL					ug/L
	Bromochloromethane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10		<25	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable			2840			< 0					ug/L
	Carbon disulfide	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20		<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10		<30	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable			<20	U		< EQL					ug/L
	Copper, total recoverable			<60	U		< EQL					ug/L
	Dibromochloromethane	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	38.7		<8.3	U	K	< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.6		<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 61D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	13		<5	U	IK	< EQL	<5	U		< EQL	ug/L
	Gross alpha	2.44		2.17	R	L	Rejected	3.63	JU	L	< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5		<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	***57300***		***37600***			> 300					ug/L
	Isobutyl alcohol	<500		<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<47		<20	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable			3560			< 0					ug/L
	Manganese, total recoverable			6.92	J	I	NDD					ug/L
	Mercury, total recoverable	<.7		<.5	U	L	< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200		<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	42		<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	65		<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20		<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable			<60	U		< EQL					ug/L
	Nonvolatile beta	1.69										pCi/L
	Pentachloroethane	<200		<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable			<1870	U		< EQL					ug/L
	Propionitrile	<200		<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<66		<40	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20		<50	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable			4170			< 0					ug/L
	Styrene	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	2.24		<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable			<20	U		< EQL					ug/L
	Toluene	3.58		<5	U	IK	< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	***6.7***		<5	U	IK	< EQL	1.4	J	I	NDD	ug/L
	Trichlorofluoromethane	<5		<5	U	IK	< EQL	<5	U		< EQL	ug/L
	Tritium	1.81		1.53	J	I	NDD	.466	U		< EQL	pCi/mL
	Vanadium, total recoverable			<30	U		< EQL					ug/L
	Vinyl acetate	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	32		9.2	J	IK	NDD	2.7	J	I	NDD	ug/L
	Zinc, total recoverable			<30	U		< EQL					ug/L
	cis-1,2-Dichloroethylene	1.8		1.4	J	IK	NDD	.82	J	I	NDD	ug/L
	cis-1,3-Dichloropropene	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5		<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20		<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 62D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82991.6 E 45922.9	33.284 Deg N 81.707 Deg W	147.6 - 127.6 ft msl	164.8000 ft msl	4 " PVC	S	U

SAMPLE DATE	03/07/00	06/16/00	09/21/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	142.96	141.72	141.82	*Not Available*	ft msl
pH	5.9	6.3	5.4		pH
Sp. Conductance	194	172	161		uS/cm
Water temperature	27.4	30.1	26.6		deg. C
Alkalinity as CaCO3	29	24	1		mg/L
Turbidity	13.8	11.6	7.1		NTU
Volumes purged	.603	0	17.3		well volume
Sampling code	NX	NX			

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL					ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL					ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL					ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL					ug/L
	1,1-Dichloroethane	***84***	70	87	J	K	NDD					ug/L
	1,1-Dichloroethylene	1.9	1.1	1.8	J	IK	NDD					ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL					ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL					ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL					ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL					ug/L
	1,2-Dichlorobenzene		<5	1.7	J	IK	NDD					ug/L
	1,2-Dichloroethane	3.1	2.6	3.8	J	IK	NDD					ug/L
	1,2-Dichloropropane	1.3	1.3	1.4	J	IK	NDD					ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL					ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL					ug/L
	1,4-Dichlorobenzene	***85***	66	61	J	K	NDD					ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL					ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL					ug/L
	2-Hexanone	<20	<20	<20	U		< EQL					ug/L
	Acetone	<20	<20	<20	U		< EQL					ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL					ug/L
	Acrolein	<50	<50	<50	U		< EQL					ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL					ug/L
	Allyl chloride	<5	<5	<5	U		< EQL					ug/L
	Aluminum, total recoverable	152	***76.6***	<129	U	V	< EQL					ug/L
	Antimony, total recoverable		<6.03									ug/L
	Arsenic, total recoverable	<10	<20	<4.22	U	V	< EQL					ug/L
	Barium, total recoverable	5.56	4.29	4.71	J	I	NDD					ug/L
	Benzene	***19***	18	20	J	K	NDD					ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL					ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL					ug/L
	Bromoform	<5	<5	<5	U		< EQL					ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL					ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL					ug/L
	Calcium, total recoverable		2070									ug/L
	Carbon disulfide	1.9	<5	.76	J	IK	NDD					ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL					ug/L
	Chlorobenzene	15	12	12	J	K	NDD					ug/L
	Chloroethane	<5	<5	<5	U		< EQL					ug/L
	Chloroethene (Vinyl chloride)	***16***	8.1	10	J	K	NDD					ug/L
	Chloroform	<5	<5	<5	U		< EQL					ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL					ug/L
	Chloroprene	<20	<20	<20	U		< EQL					ug/L
	Chromium, total recoverable	12.5	<30	<10	U		< EQL					ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL					ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL					ug/L
	Dichlorodifluoromethane	<5	8	<5	U		< EQL					ug/L
	Dichloromethane (Methylene chloride)	<6.3	<5.3	5.7	J	IK	NDD					ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 62D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL					ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL					ug/L
	Gross alpha	1.75	2.43	4.88	R	L	Rejected					pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL					ug/L
+	Iron, total recoverable	***9520***	***2470***	***3680***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL					ug/L
	Lead, total recoverable	4.87	<20	<10	U		< EQL					ug/L
	Magnesium, total recoverable		3790									ug/L
	Manganese, total recoverable		9.61									ug/L
	Mercury, total recoverable	.185	<.2	<.5	JU	L	< EQL					ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL					ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL					ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL					ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL					ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL					ug/L
	Potassium, total recoverable		387									ug/L
	Propionitrile	<200	<200	<200	U		< EQL					ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL					ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL					ug/L
	Sodium, total recoverable		25300									ug/L
	Styrene	<5	<5	<5	U		< EQL					ug/L
	Tetrachloroethylene	1.7	2.1	3.4	J	IK	NDD					ug/L
	Thallium, total recoverable		<40									ug/L
	Toluene	<5	<5	<5	U		< EQL					ug/L
	Trichloroethylene	***11***	9.1	11	J	K	NDD					ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL					ug/L
	Tritium	10.4	10.2	10.7			< 0					pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL					ug/L
	Xylenes	<10	2.4	<10	U		< EQL					ug/L
	Zinc, total recoverable		21.8									ug/L
	cis-1,2-Dichloroethylene	29	24	41	J	K	NDD					ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL					ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL					ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL					ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL					ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 63B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82740.8 E 45550.7	33.283 Deg N 81.708 Deg W	76.100 - 66.10 ft msl	167.8000 ft msl	2 " PVC	V	L

SAMPLE DATE	03/01/00	06/13/00	09/29/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	139.87	139.15	139.69	139.37	ft msl
pH	5	5.5	3.3	4.4	pH
Sp. Conductance	61	59	61	59	uS/cm
Water temperature	19.4	20.7	19.2	19.5	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	.3	.2	.3	.2	NTU
Volumes purged	2.33	2.10	5.08	3.43	well volume
Sampling code				NX	

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Aluminum, total recoverable	***613***	***505***	***454***			> 50					ug/L
	Antimony, total recoverable		7.9									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	7.1	5.57	5.39	J	I	NDD	4.7	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane		<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		914									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<3.52	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		5.56									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 63B

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	6.47	12.2	13	J	IL	NDD	13.9	J	IL	NDD	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<9.72	15.5	<44.9	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		364									ug/L
	Manganese, total recoverable		9.47									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta	5.84										pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<4.79	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1450									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	.66	.339	.285	U		< EQL	12.8			< 0	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		11.9									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 63C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82746.1 E 45559.2	33.283 Deg N 81.708 Deg W	106.20 - 96.20 ft msl	168.1000 ft msl	2 " PVC	V	M

SAMPLE DATE	03/01/00	06/13/00	09/28/00	11/03/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	139.92	139.15	139.68	139.27	ft msl
pH	5.1	5.7	4.7	4.7	pH
Sp. Conductance	33	32	31	32	uS/cm
Water temperature	19.4	21	19.8	20	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	.3	.2	.1	.4	NTU
Volumes purged	2.96	2.15	4.53	3.72	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,1-Dichloropropene		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dichlorobenzene		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,3-Dichloropropane		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	JU	Q	< EQL	ug/L
	2,2-Dichloropropane		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	JU	Q	< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Aluminum, total recoverable	103	***90.9***	110	J	I	NDD					ug/L
	Antimony, total recoverable		<4.86									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	4.53	3.82	4.14	J	I	NDD	4.53	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane		<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		833									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Chromium, total recoverable	<4.4	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Dichloromethane (Methylene chloride)	<10	<10	<1.9	U	V	< EQL	<10	JU	Q	< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 63C

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Gross alpha	4.55	5.07	5.35	U		< EQL	7.11	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Iron, total recoverable	<3.7	9.78	17	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	JU	Q	< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		432									ug/L
	Manganese, total recoverable		4.14									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta	2.49										pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	JU	Q	< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1590									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Tritium	1.35	.974	1.11	J	I	NDD	1.35			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	JU	Q	< EQL	ug/L
	Zinc, total recoverable		7.21									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	JU	Q	< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	JU	Q	< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 63D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82751.8 E 45569.1	33.283 Deg N 81.708 Deg W	146.40 - 126.4 ft msl	168.3000 ft msl	2 " PVC	V	U

SAMPLE DATE	03/09/00	06/16/00	09/21/00	11/02/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	140.4	139.36	139.4	139.45	ft msl
pH	5.6	6.7	5.3	5.5	pH
Sp. Conductance	57	57	62	54	uS/cm
Water temperature	20.1	21.3	20.9	21.7	deg. C
Alkalinity as CaCO3	8	5	1	6	mg/L
Turbidity	.6	.4	3.7	.4	NTU
Volumes purged	3.56	2.89	8.64	4.78	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	10	8.3	4.5	J	IK	NDD	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	5.6	1.1	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	33.2	<200	U		< EQL					ug/L
	Antimony, total recoverable		<4.12									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	4.66	<15	3.08	J	I	NDD	<3.21	U	V	< EQL	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Boron, total recoverable			49.8	J	I	NDD					ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		970									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	3	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	***6.3***	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<4.09	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 63D

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Dichloromethane (Methylene chloride)	1.8	<3.2	<10	U		< EQL	<10	U		< EQL	ug/L
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	2.02	2.38	6.27	R	L	Rejected	4.69	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	***3080***	127	109	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	4.54	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Lithium, total recoverable			<2	U		< EQL					ug/L
	Magnesium, total recoverable		1270									ug/L
	Manganese, total recoverable		<10									ug/L
	Mercury, total recoverable	<.149	<.2	.636	J	L	NDD	.664			< 2	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		498									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<5.69	JU		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		7390									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<40									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Total organic carbon			***5400***			> 1000					ug/L
+	Total organic halogens			***125***			> 46.9					ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	6	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	1.36	2.13	2.29			< 20	2.01			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		19.6									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 64C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82744.8 E 45271.3	33.283 Deg N 81.708 Deg W	93 - 83 ft msl	152.2000 ft msl	2 " PVC	V	M

SAMPLE DATE	03/03/00	06/19/00	09/29/00	11/09/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	139.79	139.89	139.7	139.45	ft msl
pH	4.6	4.5	4.1	4	pH
Sp. Conductance	73	81	79	81	uS/cm
Water temperature	19	19.5	18.9	19.3	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	1.1	.8	.3	.2	NTU
Volumes purged	2.27	4.53	3.78	2.06	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Aluminum, total recoverable	***1140***	***1150***	***1250***			> 50					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<6.68	5.77	6.45	J	I	NDD	7.51	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		711									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		10.5									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.4	<5	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 64C

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Gross alpha	10.5	***22.6***	30.1	J	L	NDD	***23.3***			> 15	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	95.8	<66.2	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	5.8	J	I	NDD	ug/L
	Magnesium, total recoverable		381									ug/L
	Manganese, total recoverable		14.2									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta							7.41	J	I	NDD	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1500									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		14.9									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	0	.483	1.13	J	I	NDD	.682	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		12.9									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 64D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82737.8 E 45280.7	33.283 Deg N 81.708 Deg W	135.2 - 115.2 ft msl	152.2000 ft msl	2 " PVC	V	U

SAMPLE DATE	03/09/00	06/16/00	09/21/00	11/02/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	140.02	139.43	139.55	142.65	ft msl
pH	5.7	6.7	5.2	5.4	pH
Sp. Conductance	44	46	47	45	uS/cm
Water temperature	19.2	20.3	20.3	20.5	deg. C
Alkalinity as CaCO3	7	8	7	4	mg/L
Turbidity	.9	.4	3.8	.4	NTU
Volumes purged	3.01	2.57	1.79	1.81	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	2	2.2	2.6	J	IK	NDD	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	4.7	5.9	5.5	J	K	NDD	4.8	J	I	NDD	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	17.5	<200	U		< EQL					ug/L
	Antimony, total recoverable		<4.69									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	7.89	7.52	8.06	J	I	NDD	8	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		1120									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	1.7	1.7	1.9	J	IK	NDD	1.5	J	I	NDD	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Chloroethene (Vinyl chloride)	***5.8***	***7.9***	9.7	J	K	NDD	***6.1***			> 2	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	1.7	<2.7	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 64D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	1.66	2.18	1.18	R	L	Rejected	.342	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<56.5	146	97.9	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		1790									ug/L
	Manganese, total recoverable		9.96									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	JU	L	< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		815									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	6.24	J	I	NDD	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		4060									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<10.2									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	2.62	3.78	4.47			< 20	3.55			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		49.6									ug/L
	cis-1,2-Dichloroethylene	3.3	4	4.3	J	IK	NDD	3.4	J	I	NDD	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 65B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82589.2 E 46061.8	33.284 Deg N 81.706 Deg W	63.500 - 53.50 ft msl	148.2000 ft msl	2 " PVC	V	L

SAMPLE DATE	03/02/00	06/15/00	09/29/00	11/09/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	137.77	136.82	137.68	137.25	ft msl
pH	4.4	4.2	4.6	4.4	pH
Sp. Conductance	46	47	48	48	uS/cm
Water temperature	19	20	19.4	20	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	.3	.3	.4	.4	NTU
Volumes purged	3.34	3.45	2.84	2.05	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Aluminum, total recoverable	***271***	***257***	***254***			> 50					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<9.42	7	7.6	J	I	NDD	7.99	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		2010									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<5.77	JU		< EQL	ug/L
	Cobalt, total recoverable		7.23									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<10	<4.5	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 65B

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	4.39	7.72	7.03	JU	L	< EQL	13.1	J	I	NDD	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	30.9	<49.1	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		367									ug/L
	Manganese, total recoverable		12.6									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta							1.47	U		< EQL	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		485									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<4.77	JU		< EQL	ug/L
	Sodium, total recoverable		1720									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<40									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	.27	-.174	.131	U		< EQL	.555	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		13.9									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 65C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82592.9 E 46064.4	33.284 Deg N 81.706 Deg W	96.1 - 86.1 ft msl	148.2000 ft msl	2 " PVC	V	M

SAMPLE DATE	03/02/00	06/15/00	09/29/00	11/10/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	137.73	136.71	137.57	137.2	ft msl
pH	4.8	5	5.8	4.9	pH
Sp. Conductance	30	29	30	30	uS/cm
Water temperature	19	20.1	19.4	18.6	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	.2	.6	.3	.2	NTU
Volumes purged	7.60		6.55	2.16	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	45	46.2	J	I	NDD					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<9.78	8.06	9.2	J	I	NDD	8.49	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		1130									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.6	<5.3	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 65C

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	2.89	4.68	6.21	JU	L	< EQL	5.39	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	33.4	<48.2	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		716									ug/L
	Manganese, total recoverable		6.92									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta							-.427	U		< EQL	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1540									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<7.47									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	1.4	.294	.654	J	I	NDD	1.15	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		9.09									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 65D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82598.4 E 46071.8	33.284 Deg N 81.706 Deg W	131.50 - 111.5 ft msl	148.4000 ft msl	2 " PVC	V	U

SAMPLE DATE	03/02/00	06/15/00	09/29/00	11/10/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	138.09	136.69	137.74	137.05	ft msl
pH	5	5	5.5	5.1	pH
Sp. Conductance	28	32	32	33	uS/cm
Water temperature	17.3	21	19.5	18.8	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	.4	.5	.4	.3	NTU
Volumes purged	6.49	25.5	7.05	2.41	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	.9	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	1,1-Dichloroethane	***21***	***27***	29	J	K	NDD	***23***			> 20	ug/L
	1,1-Dichloroethylene	<5	.86	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	1.1	J	IK	NDD	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	29.4	39.8	49	J	I	NDD					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<5.11	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<4.41	3.92	3.71	J	I	NDD	5.07	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Boron, total recoverable			13.5	J	I	NDD					ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		599									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	7.6	<5	U		< EQL	4.1	J	I	NDD	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 65D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Dichloromethane (Methylene chloride)	<3.8	<5.1	1.6	J	IK	NDD	1.5	J	I	NDD	ug/L
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	.879	1.62	2.01	JU	L	< EQL	1.18	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	133	<51.4	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Lithium, total recoverable			<2	U		< EQL					ug/L
	Magnesium, total recoverable		617									ug/L
	Manganese, total recoverable		2.66									ug/L
	Mercury, total recoverable	.44	.398	.471	J	I	NDD	.439	J	I	NDD	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta							.275	U		< EQL	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		3420									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	2.4	2.7	1.9	J	IK	NDD	1.9	J	I	NDD	ug/L
	Thallium, total recoverable		<7.58									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Total organic carbon			***6400***			> 1000					ug/L
+	Total organic halogens			***144***			> 46.9					ug/L
+	Trichloroethylene	***5.7***	***7.2***	5.7	J	K	NDD	***5.6***			> 5	ug/L
	Trichlorofluoromethane	15	16	13	J	K	NDD	<5	U		< EQL	ug/L
	Tritium	2.78	4.76	4.24			< 20	4.8			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<30									ug/L
	cis-1,2-Dichloroethylene	8.3	15	13	J	K	NDD	12			< 70	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 67B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82847.1 E 46517.1	33.285 Deg N 81.705 Deg W	65.600 - 55.60 ft msl	157.7000 ft msl	2 " PVC	V	L

SAMPLE DATE	03/03/00	06/19/00	09/28/00	11/10/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	138.8	138.51	138.65	138.09	ft msl
pH	4.6	5.1	4.5	4.3	pH
Sp. Conductance	51	56	46	54	uS/cm
Water temperature	19.5	21.2	20.3	19.4	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	.9	1	.3	.2	NTU
Volumes purged	2.80	4.28	8.47	2.15	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Aluminum, total recoverable	***373***	***360***	***408***			> 50					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<6.56	5.25	6.25	J	I	NDD	6.16	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<2.05	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		1310									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		8.12									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.9	<5.2	<1.6	U	V	< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 67B

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Gross alpha	13.4	9.6	13.9	J	I	NDD	***43.4***			> 15	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	25.6	15.7	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	12.4			< 50	<10	U		< EQL	ug/L
	Magnesium, total recoverable		381									ug/L
	Manganese, total recoverable		9.05									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta							20.7			< 50	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1490									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<40									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	-.592	-.0082	.631	J	I	NDD	.788	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		10									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 67C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82844.2 E 46527.5	33.285 Deg N 81.705 Deg W	96.100 - 86.10 ft msl	157.1000 ft msl	2 " PVC	V	M

SAMPLE DATE	03/08/00	06/15/00	09/08/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	140.41	137.08	136.69	137.5	ft msl
pH	6.8	7.5	6.6	6.5	pH
Sp. Conductance	340	261	231	212	uS/cm
Water temperature	20	21.9	21.3	20.5	deg. C
Alkalinity as CaCO3	135	95	93	74	mg/L
Turbidity	.8	.9	.8	1.1	NTU
Volumes purged	3.95	0	2.79	.835	well volume
Sampling code	0				

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	1,1-Dichloroethane	***76***	***50***	38	J	K	NDD	***30***			> 20	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	1.7	1.2	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	29	21	15	J	K	NDD	14			< 75	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	14	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	<40	<200	U		< EQL					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	28.7	20.7	23.2			< 50	20.3			< 50	ug/L
	Barium, total recoverable	10.5	10.3	6.91	J	I	NDD	7.26	J	I	NDD	ug/L
	Benzene	***5.3***	3.7	2.9	J	IK	NDD	2.3	J	I	NDD	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		12100									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	2	1.4	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Chloroethene (Vinyl chloride)	***110***	***82***	55	J	K	NDD	***40***			> 2	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		76.1									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	4.2	3.1	J	IK	NDD	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<10	<3.8	<1.8	U	V	< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 67C

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	28	16	10	J	K	NDD	7.4			< 700	ug/L
	Gross alpha	2.27	3.2	1.34	U		< EQL	1.17	JU	L	< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	***40100***	***30600***	***26900***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		8590									ug/L
	Manganese, total recoverable		21									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	11	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	12	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	3.44	R	L	Rejected	<20	U		< EQL	ug/L
	Sodium, total recoverable		19300									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<40									ug/L
	Toluene	48	20	8	J	K	NDD	5.4			< 1000	ug/L
	Trichloroethylene	1.3	1.1	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	3.3	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	19.6	16.8	13.8			< 0	.56	U		< EQL	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	59	37	20	J	K	NDD	15			< 10000	ug/L
	Zinc, total recoverable		55.3									ug/L
	cis-1,2-Dichloroethylene	<5	5.7	3.5	J	IK	NDD	3.1	J	I	NDD	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 67D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82855 E 46529.9	33.285 Deg N 81.705 Deg W	140.60 - 120.6 ft msl	157.7000 ft msl	2 " PVC	V	U

SAMPLE DATE	03/09/00	06/16/00	09/08/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	141.46	139.4	139.61	123	ft msl
pH	5.3	6.3	5.1	5.1	pH
Sp. Conductance	47	41	37	35	uS/cm
Water temperature	19.9	22.9	20.3	20.5	deg. C
Alkalinity as CaCO3	3	4	1	0	mg/L
Turbidity	7.2	3.1	.9	.9	NTU
Volumes purged	12.8	4.64	19.0	54.9	well volume
Sampling code			0		

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	3	<5	1.2	J	IK	NDD	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	1,1-Dichloroethane	***52***	***35***	30	J	K	NDD	***26***			> 20	ug/L
	1,1-Dichloroethylene	2.1	1.1	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	1.7	<5	.93	J	IK	NDD	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	***253***	***159***	87	J	I	NDD					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<3.45	JU		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	9.57	7.04	6.04	J	I	NDD	5.9	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Boron, total recoverable			12.2	J	I	NDD					ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		958									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<6.67	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		192									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	14	6.5	4.8	J	IK	NDD	<5	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 67D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Dichloromethane (Methylene chloride)	2.6	<5	<2.8	U	V	< EQL	<10	U		< EQL	ug/L
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	3.4	2.55	5.44	U		< EQL	1.98	JU	L	< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	***569***	***329***	27.1	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	39.5	<10	U		< EQL	<10	U		< EQL	ug/L
	Lithium, total recoverable			<2	U		< EQL					ug/L
	Magnesium, total recoverable		1340									ug/L
	Manganese, total recoverable		3.98									ug/L
	Mercury, total recoverable	<.424	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	20	R	L	Rejected	<20	U		< EQL	ug/L
	Sodium, total recoverable		3800									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	3.2	2	<5	U		< EQL	1.1	J	I	NDD	ug/L
	Thallium, total recoverable		<40									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Total organic carbon			***5600***			> 1000					ug/L
+	Total organic halogens			***158***			> 46.9					ug/L
	Trichloroethylene	***13***	***8.3***	5.5	J	K	NDD	4.7	J	I	NDD	ug/L
	Trichlorofluoromethane	<5	9.9	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	1.94	1.76	1.91			< 20	2.15			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		206									ug/L
	cis-1,2-Dichloroethylene	1.1	.85	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 68C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 83027.5 E 46876.2	33.286 Deg N 81.705 Deg W	98.300 - 88.30 ft msl	161.1000 ft msl	2 " PVC	V	M

SAMPLE DATE 11/10/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	*Not Available*	*Not Available*	*Not Available*	138.05	ft msl
pH				5	pH
Sp. Conductance				21	uS/cm
Water temperature				20.1	deg. C
Alkalinity as CaCO3				0	mg/L
Turbidity				1	NTU
Volumes purged				2.22	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane							<5	U		< EQL	ug/L
	1,1,1-Trichloroethane							<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane							<5	U		< EQL	ug/L
	1,1,2-Trichloroethane							<5	U		< EQL	ug/L
	1,1-Dichloroethane							<5	U		< EQL	ug/L
	1,1-Dichloroethylene							<5	U		< EQL	ug/L
	1,1-Dichloropropene							<5	U		< EQL	ug/L
	1,2,3-Trichloropropane							<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane							<10	U		< EQL	ug/L
	1,2-Dibromoethane							<5	U		< EQL	ug/L
	1,2-Dichlorobenzene							<5	U		< EQL	ug/L
	1,2-Dichloroethane							<5	U		< EQL	ug/L
	1,2-Dichloropropane							<5	U		< EQL	ug/L
	1,3-Dichlorobenzene							<5	U		< EQL	ug/L
	1,3-Dichloropropane							<5	U		< EQL	ug/L
	1,4-Dichlorobenzene							<5	U		< EQL	ug/L
	1,4-Dioxane							<500	U		< EQL	ug/L
	2,2-Dichloropropane							<5	U		< EQL	ug/L
	2-Hexanone							<20	U		< EQL	ug/L
	Acetone							<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)							<200	U		< EQL	ug/L
	Acrolein							<50	U		< EQL	ug/L
	Acrylonitrile							<10	U		< EQL	ug/L
	Allyl chloride							<5	U		< EQL	ug/L
	Arsenic, total recoverable							<10	U		< EQL	ug/L
	Barium, total recoverable							8.4	J	I	NDD	ug/L
	Benzene							<5	U		< EQL	ug/L
	Bromochloromethane							<5	U		< EQL	ug/L
	Bromodichloromethane							<5	U		< EQL	ug/L
	Bromoform							<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)							<5	U		< EQL	ug/L
	Cadmium, total recoverable							<10	U		< EQL	ug/L
	Carbon disulfide							<5	U		< EQL	ug/L
	Carbon tetrachloride							<5	U		< EQL	ug/L
	Chlorobenzene							<5	U		< EQL	ug/L
	Chloroethane							<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)							<5	U		< EQL	ug/L
	Chloroform							<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)							<5	U		< EQL	ug/L
	Chloroprene							<20	U		< EQL	ug/L
	Chromium, total recoverable							<10	U		< EQL	ug/L
	Dibromochloromethane							<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)							<5	U		< EQL	ug/L
	Dichlorodifluoromethane							<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)							<10	U		< EQL	ug/L
	Ethyl methacrylate							<5	U		< EQL	ug/L
	Ethylbenzene							<5	U		< EQL	ug/L
	Gross alpha							2.84	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)							<5	U		< EQL	ug/L
	Isobutyl alcohol							<500	U		< EQL	ug/L
+	Lead, total recoverable							***398***			> 50	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 68C

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Mercury, total recoverable							<.5	U		< EQL	ug/L
	Methacrylonitrile							<200	U		< EQL	ug/L
	Methyl ethyl ketone							<20	U		< EQL	ug/L
	Methyl isobutyl ketone							<10	U		< EQL	ug/L
	Methyl methacrylate							<20	U		< EQL	ug/L
	Nonvolatile beta							1.11	U		< EQL	pCi/L
	Pentachloroethane							<200	U		< EQL	ug/L
	Propionitrile							<200	U		< EQL	ug/L
	Selenium, total recoverable							<10	U		< EQL	ug/L
	Silver, total recoverable							<20	U		< EQL	ug/L
	Styrene							<5	U		< EQL	ug/L
	Tetrachloroethylene							<5	U		< EQL	ug/L
	Toluene							<5	U		< EQL	ug/L
	Trichloroethylene							<5	U		< EQL	ug/L
	Trichlorofluoromethane							<5	U		< EQL	ug/L
	Tritium							2.66			< 20	pCi/mL
	Vinyl acetate							<5	U		< EQL	ug/L
	Xylenes							<10	U		< EQL	ug/L
	cis-1,2-Dichloroethylene							<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene							<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene							<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene							<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene							<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 68D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 83031.6 E 46868	33.286 Deg N 81.705 Deg W	144.60 - 124.6 ft msl	161.4000 ft msl	2 " PVC	V	U

SAMPLE DATE	03/03/00	06/19/00	10/02/00	11/10/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	142.4	140.56	141.47	140.6	ft msl
pH	4.9	5.2	4.7	4.7	pH
Sp. Conductance	52	42	59	49	uS/cm
Water temperature	18.4	22.1	22.9	21.6	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	1.4	.9	.7	.3	NTU
Volumes purged	3.85	4.70	2.22	2.35	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	88.6	***92.8***	118	J	I	NDD					ug/L
	Antimony, total recoverable		6.78									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<10	6.11	10.3			< 2000	8.57	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		1230									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<3.1	<10	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 68D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	3.07	1.75	7.1	JU	L	< EQL	7.91	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	49.6	<48	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<1.55	JU		< EQL	ug/L
	Magnesium, total recoverable		1370									ug/L
	Manganese, total recoverable		4.93									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta							1.67	U		< EQL	pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		546									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<5.23	JU		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1790									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	.537	.965	1.49			< 20	1.57			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		8.19									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 69C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82458.6 E 45494.5	33.282 Deg N 81.707 Deg W	89.1 - 79.1 ft msl	146 ft msl	2 " PVC	V	L

SAMPLE DATE	03/03/00	06/21/00	10/02/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	137.6	137.46	137.5	137.32	ft msl
pH	4.5	5.6	5	4.2	pH
Sp. Conductance	51	55	50	50	uS/cm
Water temperature	19.1	19.9	18.6	19	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	1.1	1	.3	.2	NTU
Volumes purged	2.10	2.74	2.84	3.06	well volume
Sampling code				NX	

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Aluminum, total recoverable	***612***	***528***	***583***			> 50					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<6.32	4.47	5.83	J	I	NDD	5.3	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		769									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		6.21									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<4.4	<10	<10	U		< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 69C

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	***16***	7.7	10.5	J	IL	NDD	12.7	J	IL	NDD	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	9.83	<46	U	V	< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		392									ug/L
	Manganese, total recoverable		9.22									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Nonvolatile beta		4.75									pCi/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<4.97	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1500									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<10.1									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	-.477	.637	.657	U	I	< EQL	.531	U		< EQL	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		11.7									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 69D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82452 E 45501	33.282 Deg N 81.707 Deg W	139 - 119 ft msl	146.1000 ft msl	2 " PVC	V	U

SAMPLE DATE	03/09/00	06/15/00	09/08/00	11/02/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	137.77	136.85	136.9	136.8	ft msl
pH	5.5	7.1	5.4	5.3	pH
Sp. Conductance	37	41	39	38	uS/cm
Water temperature	19.2	22.5	21.2	20.9	deg. C
Alkalinity as CaCO3	3	6	0	4	mg/L
Turbidity	.9	1.6	.6	.5	NTU
Volumes purged	4.29	2.08	3.46	1.74	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	2.6	4	3	J	IK	NDD	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	5.6	10	6.4	J	K	NDD	6.3			< 75	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	49	***1710***	<200	U		< EQL					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	22.8	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	9.81	5.38	5.44	J	I	NDD	5.45	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		442									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	1.8	3.3	2.3	J	IK	NDD	2.1	J	I	NDD	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Chloroethene (Vinyl chloride)	4.9	***11***	7.5	J	K	NDD	***5***			> 2	ug/L
	Chloroform	1	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<5.81	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		17.5									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<10	<4.1	<1.6	U	V	< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 69D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	.629	2.09	1.18	U		< EQL	3.75	U		< EQL	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Iron, total recoverable	***2270***	***60300***	***380***			> 300					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	4.62	<7.61	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		969									ug/L
	Manganese, total recoverable		3.85									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		455									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	20	R	L	Rejected	<20	U		< EQL	ug/L
	Sodium, total recoverable		5330									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Total activity			2760	J		NDD					pCi/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	3.51	4.43	4.06			< 20	3.1			< 20	pCi/mL
	Vanadium, total recoverable		26.1									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		15.7									ug/L
	cis-1,2-Dichloroethylene	1.6	2.9	2.2	J	IK	NDD	2	J	I	NDD	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 71B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82616.7 E 46340.4	33.284 Deg N 81.705 Deg W	67.000 - 57.00 ft msl	147 ft msl	2 " PVC	V	L

SAMPLE DATE	03/03/00	06/12/00	09/28/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	137.55	136.85	137.39	136.95	ft msl
pH	4.5	5	4.6	4.3	pH
Sp. Conductance	45	47	42	48	uS/cm
Water temperature	18.7	21.1	19.6	19.3	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	1	.2	.4	.2	NTU
Volumes purged	2.51		2.66	2.76	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
+	Aluminum, total recoverable	***324***	***285***	***327***			> 50					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<5.36	4.4	3.88	J	I	NDD	5.13	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		697									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		5.55									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.5	<10	<1.5	U	V	< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 71B

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	12.1	11	7.97	U		< EQL	15.2	J	IL	NDD	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	10.5	<200	U		< EQL					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<2.16	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		337									ug/L
	Manganese, total recoverable		6.06									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1500									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	-.835	.245	.453	U		< EQL	1.21	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<6.47									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 71C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82615.8 E 46329.8	33.284 Deg N 81.705 Deg W	90.400 - 80.40 ft msl	147.2000 ft msl	2 " PVC	V	M

SAMPLE DATE	03/03/00	06/12/00	09/28/00	11/06/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	137.67	136.72	137.5	137.06	ft msl
pH	4.6	5	5	4.6	pH
Sp. Conductance	32	36	33	37	uS/cm
Water temperature	18.6	20.6	19.9	19.4	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	1.2	.5	.5	.2	NTU
Volumes purged	2.25		5.59	2.71	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	60.8	***58.6***	113	J	I	NDD					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<7.75	6.98	7.94	J	I	NDD	8.8	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		998									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.5	<10	<1.5	U	V	< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 71C

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	8.94	10.6	7.04	U		< EQL	10.5	J	IL	NDD	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	<40	9	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		634									ug/L
	Manganese, total recoverable		9.42									ug/L
	Mercury, total recoverable	<.5	<.2	<.5	U		< EQL	<.5	U		< EQL	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1860									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	.492	.488	1.11	J	I	NDD	4.59			< 20	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<30									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 71D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 82615.1 E 46319.8	33.284 Deg N 81.705 Deg W	135.5 - 115.5 ft msl	147.4000 ft msl	2 " PVC	V	U

SAMPLE DATE	03/03/00	06/12/00	09/28/00	11/28/00

FIELD DATA

Parameter	1Q2000	2Q2000	3Q2000	4Q2000	Unit
Water Elevation	137.2	135.85	136.95	137.8	ft msl
pH	5	5.2	5.3	4.8	pH
Sp. Conductance	21	23	20	28	uS/cm
Water temperature	16	19	20.7	19.7	deg. C
Alkalinity as CaCO3	1	0	0	0	mg/L
Turbidity	1.1	.3	.5	2	NTU
Volumes purged	3.15		2.61	1.67	well volume
Sampling code					

ANALYTICAL DATA

Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	1,1,1,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,1-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2,2-Tetrachloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1,2-Trichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,1-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2,3-Trichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dibromo-3-chloropropane	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	1,2-Dibromoethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,3-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dichlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	1,4-Dioxane	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	2,2-Dichloropropane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	2-Hexanone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Acetonitrile (Methyl cyanide)	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Acrolein	<50	<50	<50	U		< EQL	<50	U		< EQL	ug/L
	Acrylonitrile	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Allyl chloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Aluminum, total recoverable	<200	<40	31.5	J	I	NDD					ug/L
	Antimony, total recoverable		<20									ug/L
	Arsenic, total recoverable	<10	<20	<10	U		< EQL	<10	U		< EQL	ug/L
	Barium, total recoverable	<5.36	4.08	3.71	J	I	NDD	5.16	J	I	NDD	ug/L
	Benzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Beryllium, total recoverable		<5									ug/L
	Bromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromodichloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromoform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Bromomethane (Methyl bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Cadmium, total recoverable	<10	<25	<10	U		< EQL	<10	U		< EQL	ug/L
	Calcium, total recoverable		<266									ug/L
	Carbon disulfide	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Carbon tetrachloride	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chlorobenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroethene (Vinyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroform	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloromethane (Methyl chloride)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Chloroprene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Chromium, total recoverable	<10	<30	<10	U		< EQL	<10	U		< EQL	ug/L
	Cobalt, total recoverable		<20									ug/L
	Copper, total recoverable		<60									ug/L
	Dibromochloromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dibromomethane (Methylene bromide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichlorodifluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Dichloromethane (Methylene chloride)	<2.5	<10	<1.5	U	V	< EQL	<10	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Table D-2. Groundwater Monitoring Results for Individual Wells (Cont.)

WELL LFW 71D

ANALYTICAL DATA
Groundwater Protection Standard

ST	Parameter	1Q2000	2Q2000	3Q2000	CLP	EPA	Filt.	4Q2000	CLP	EPA	Filt.	Unit
	Ethyl methacrylate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Ethylbenzene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Gross alpha	.899	1.57	1.17	U		< EQL	8.7	J	IL	NDD	pCi/L
	Iodomethane (Methyl iodide)	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Iron, total recoverable	<200	12.4	5.81	J	I	NDD					ug/L
	Isobutyl alcohol	<500	<500	<500	U		< EQL	<500	U		< EQL	ug/L
	Lead, total recoverable	<10	<20	<2.11	JU		< EQL	<10	U		< EQL	ug/L
	Magnesium, total recoverable		597									ug/L
	Manganese, total recoverable		2.5									ug/L
	Mercury, total recoverable	.225	.168	<.5	U		< EQL	.531			< 2	ug/L
	Methacrylonitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Methyl ethyl ketone	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Methyl isobutyl ketone	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Methyl methacrylate	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L
	Nickel, total recoverable		<60									ug/L
	Pentachloroethane	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Potassium, total recoverable		<1870									ug/L
	Propionitrile	<200	<200	<200	U		< EQL	<200	U		< EQL	ug/L
	Selenium, total recoverable	<10	<40	<10	U		< EQL	<10	U		< EQL	ug/L
	Silver, total recoverable	<20	<50	<20	U		< EQL	<20	U		< EQL	ug/L
	Sodium, total recoverable		1890									ug/L
	Styrene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tetrachloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Thallium, total recoverable		<20									ug/L
	Toluene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Trichlorofluoromethane	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Tritium	.901	.824	1.05	J	I	NDD	.917	J	I	NDD	pCi/mL
	Vanadium, total recoverable		<30									ug/L
	Vinyl acetate	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	Xylenes	<10	<10	<10	U		< EQL	<10	U		< EQL	ug/L
	Zinc, total recoverable		<30									ug/L
	cis-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	cis-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,2-Dichloroethylene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,3-Dichloropropene	<5	<5	<5	U		< EQL	<5	U		< EQL	ug/L
	trans-1,4-Dichloro-2-butene	<20	<20	<20	U		< EQL	<20	U		< EQL	ug/L

Notes: Concentrations in bold italics exceed the standards listed in Appendix B. Bold italics were not assigned if the result was qualified with a "J", "R", "L", or "U" qualifier.
+ = exceeded the Appendix B Standards in 3rd or 4th Quarters.

Appendix E

Time Series Plot

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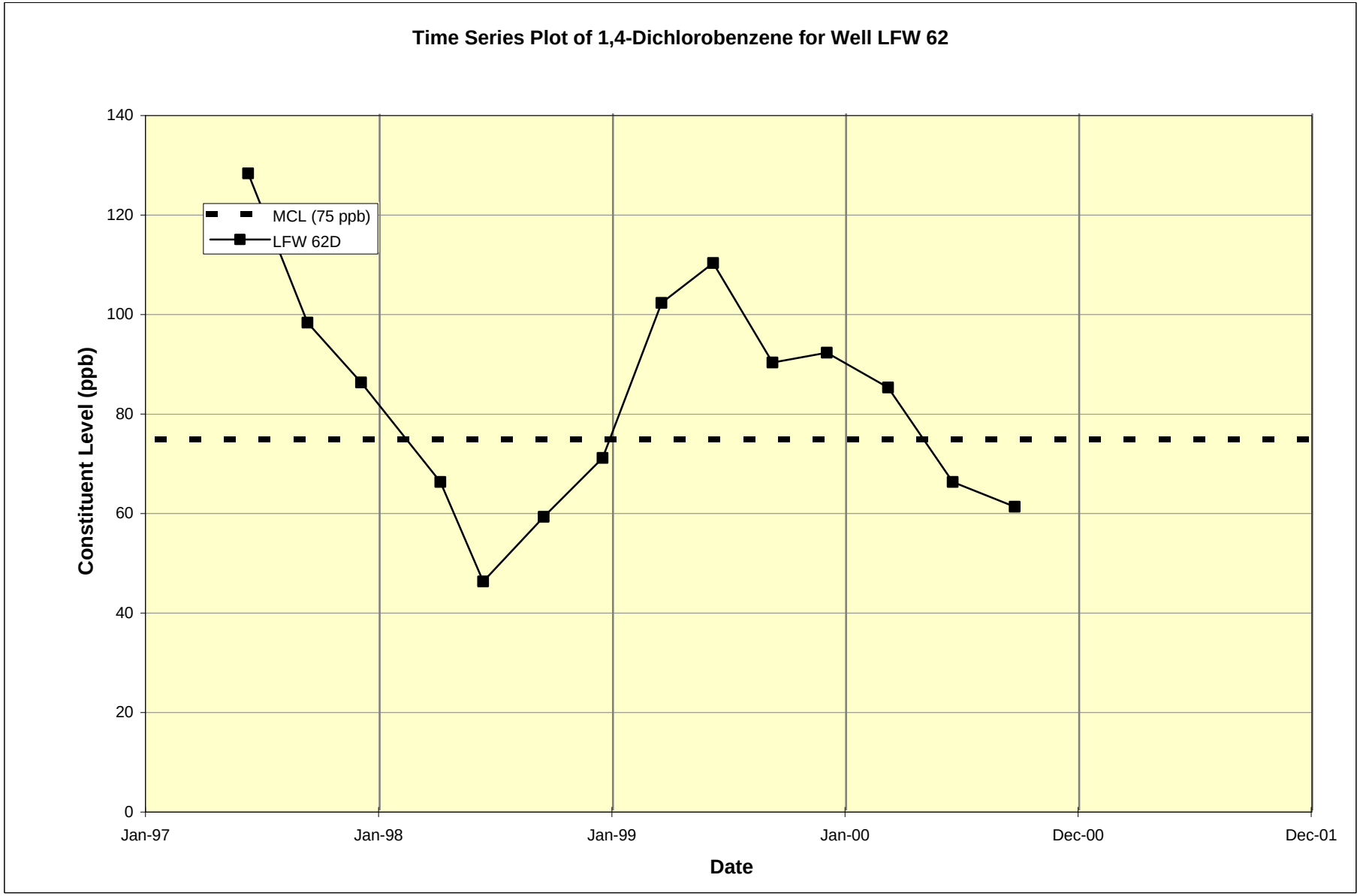
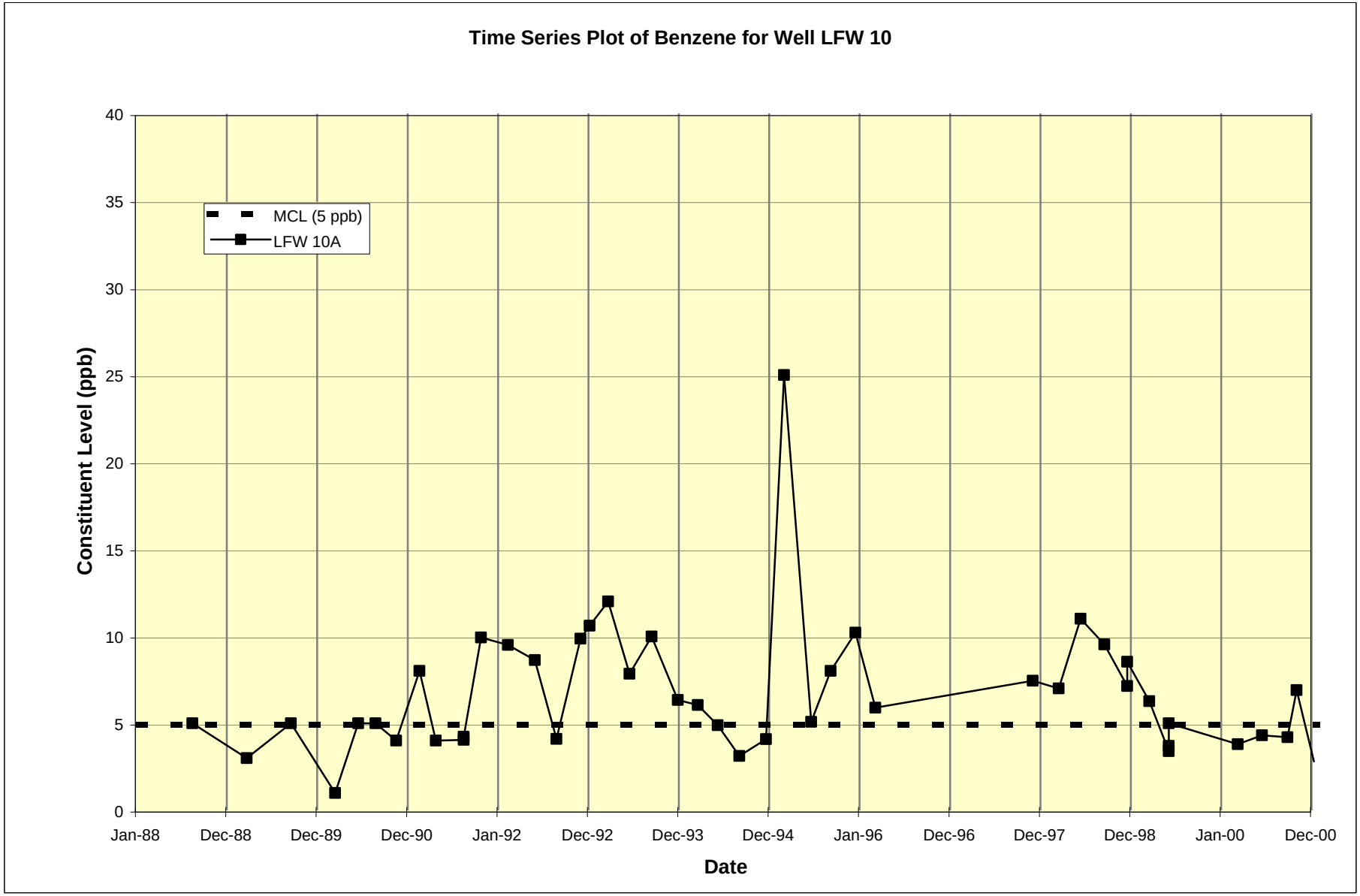
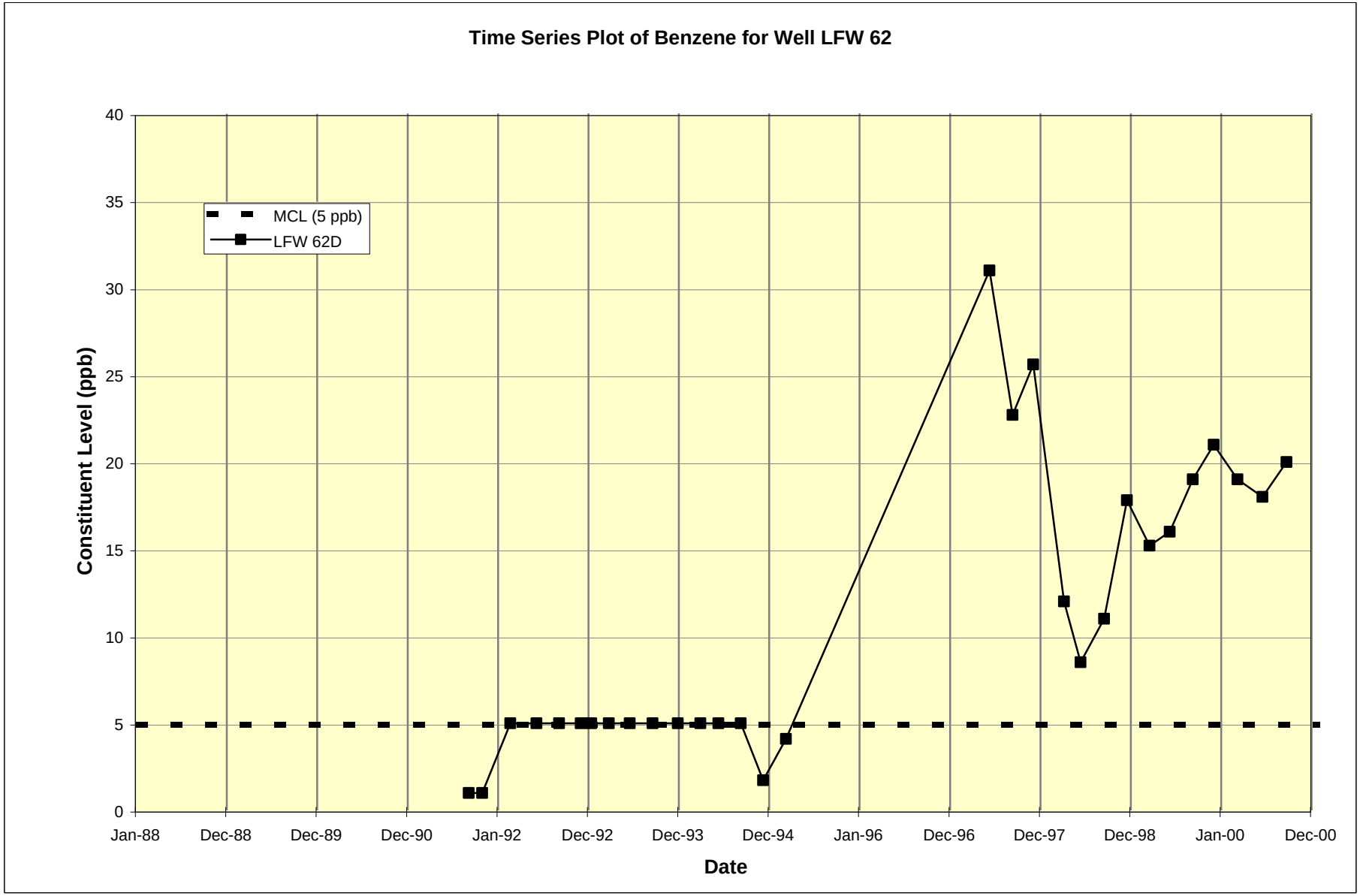
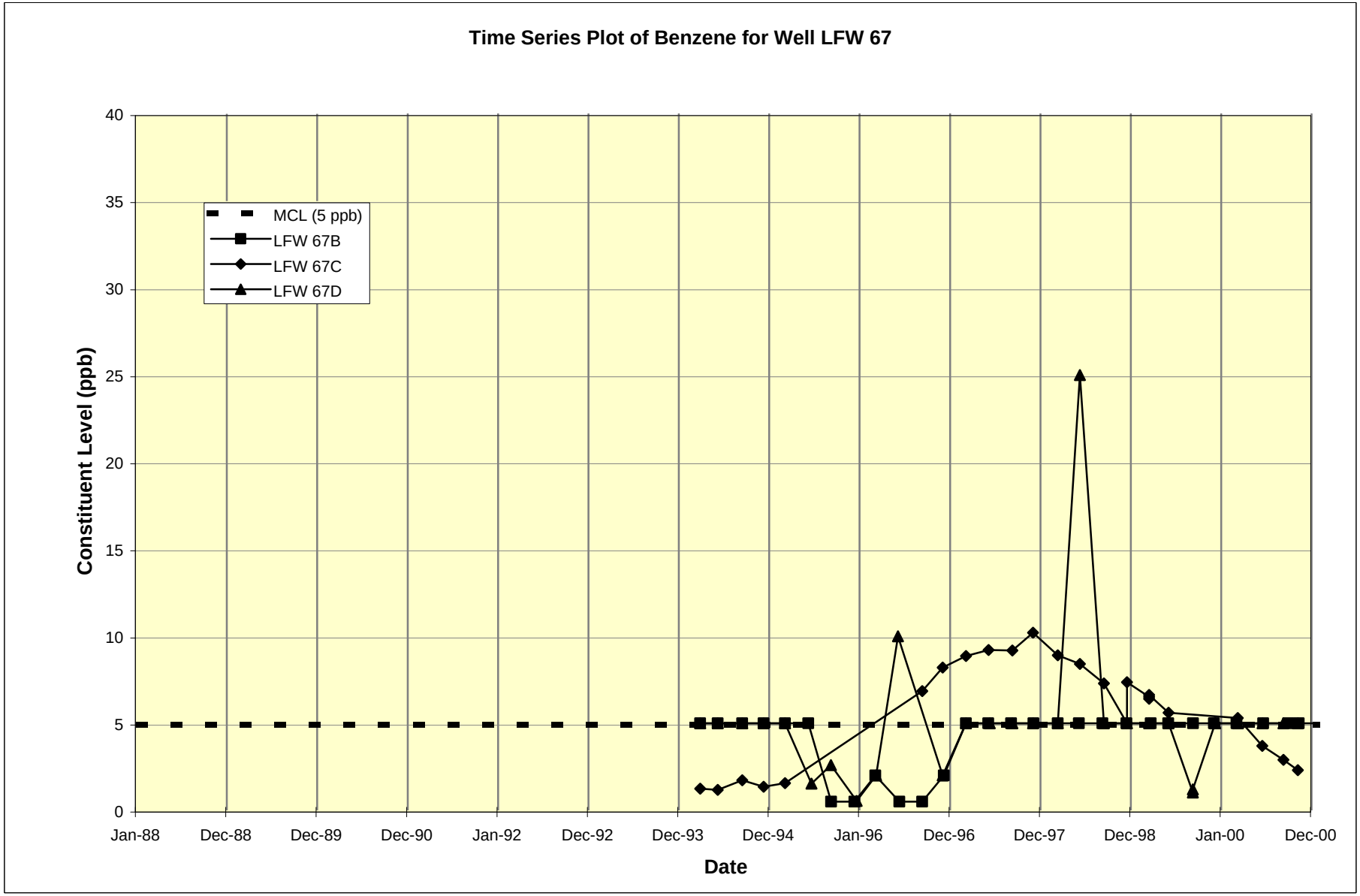
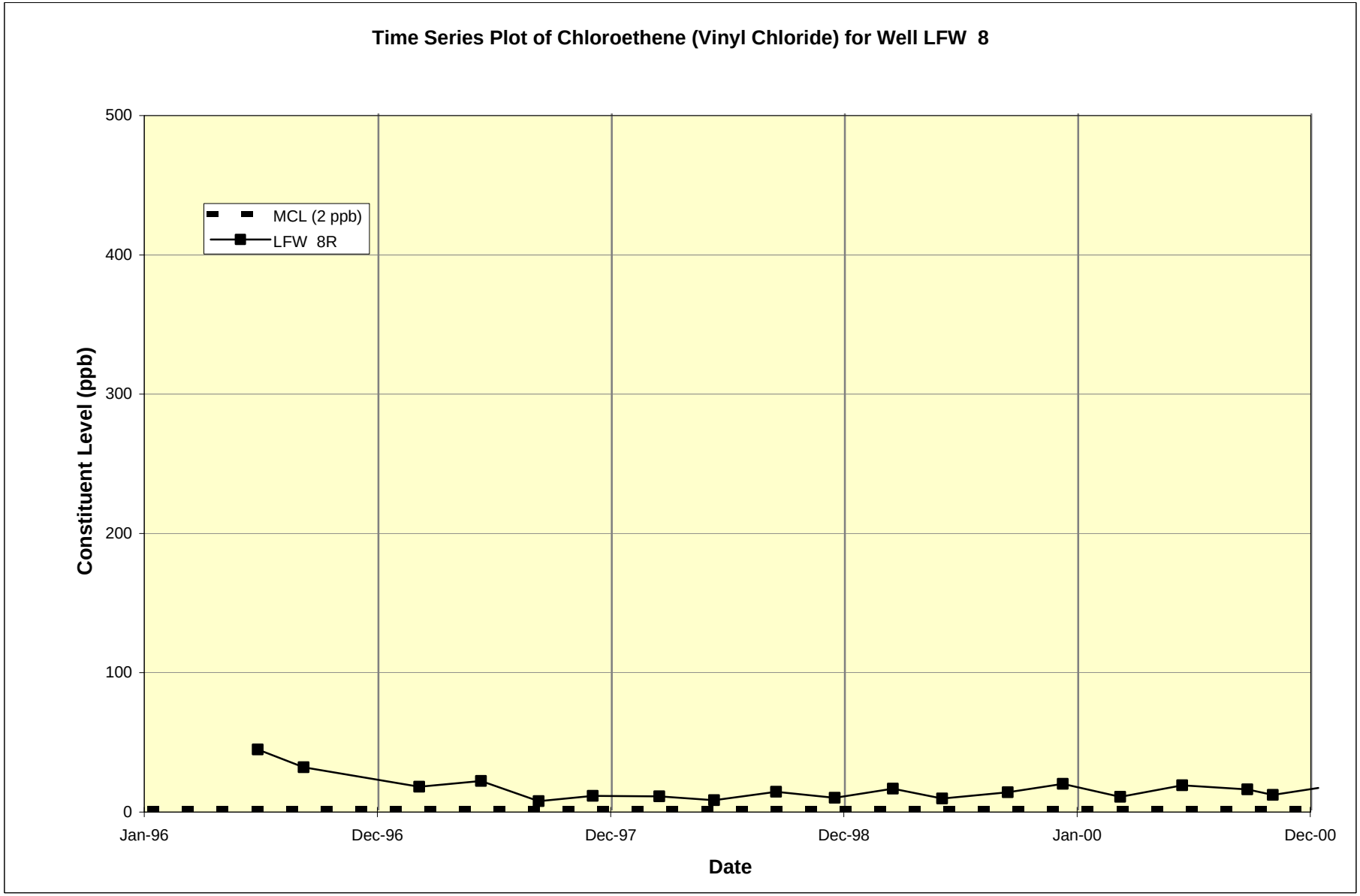
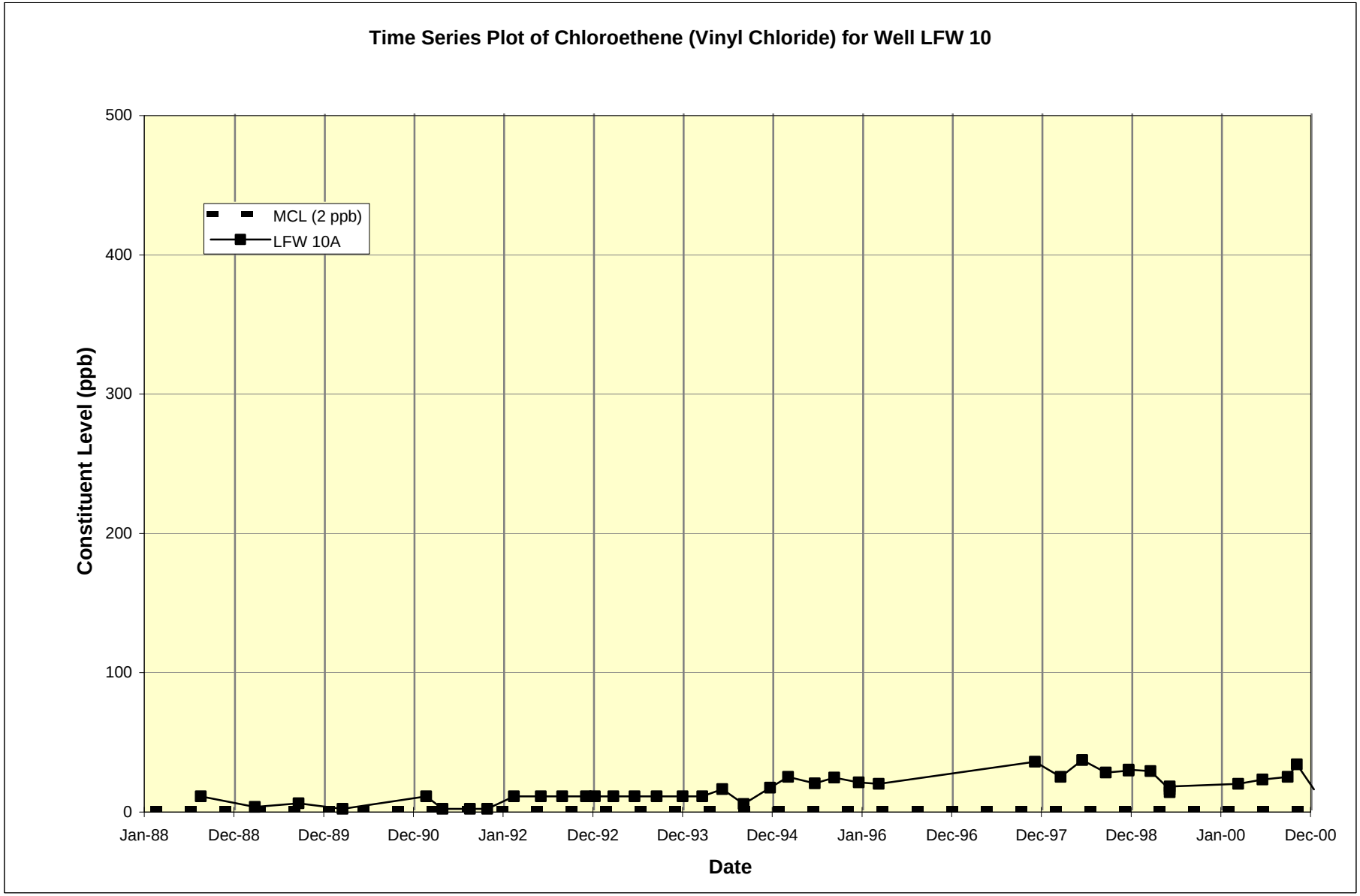

Time Series Plot of 1,4-Dichlorobenzene for Well LFW 62
MCL (75 ppb)
LFW 62D
Constituent Level (ppb)
0
20
40
60
80
100
120
140
Jan-97
Jan-98
Jan-99
Jan-00
Dec-00
Dec-01
Date

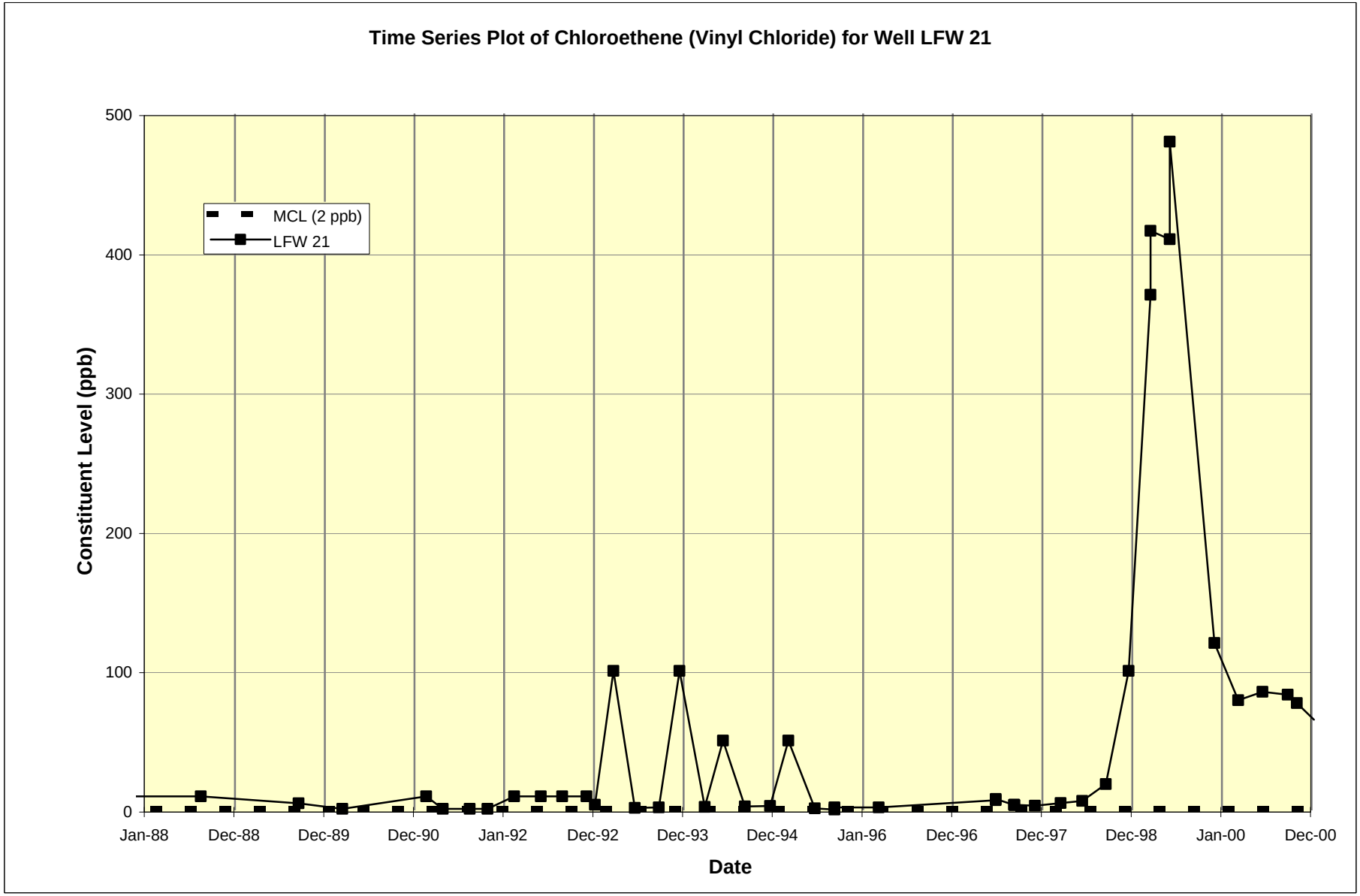

Time Series Plot of Benzene for Well LFW 10
MCL (5 ppb)
LFW 10A
Constituent Level (ppb)
0
5
10
15
20
25
30
35
40
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

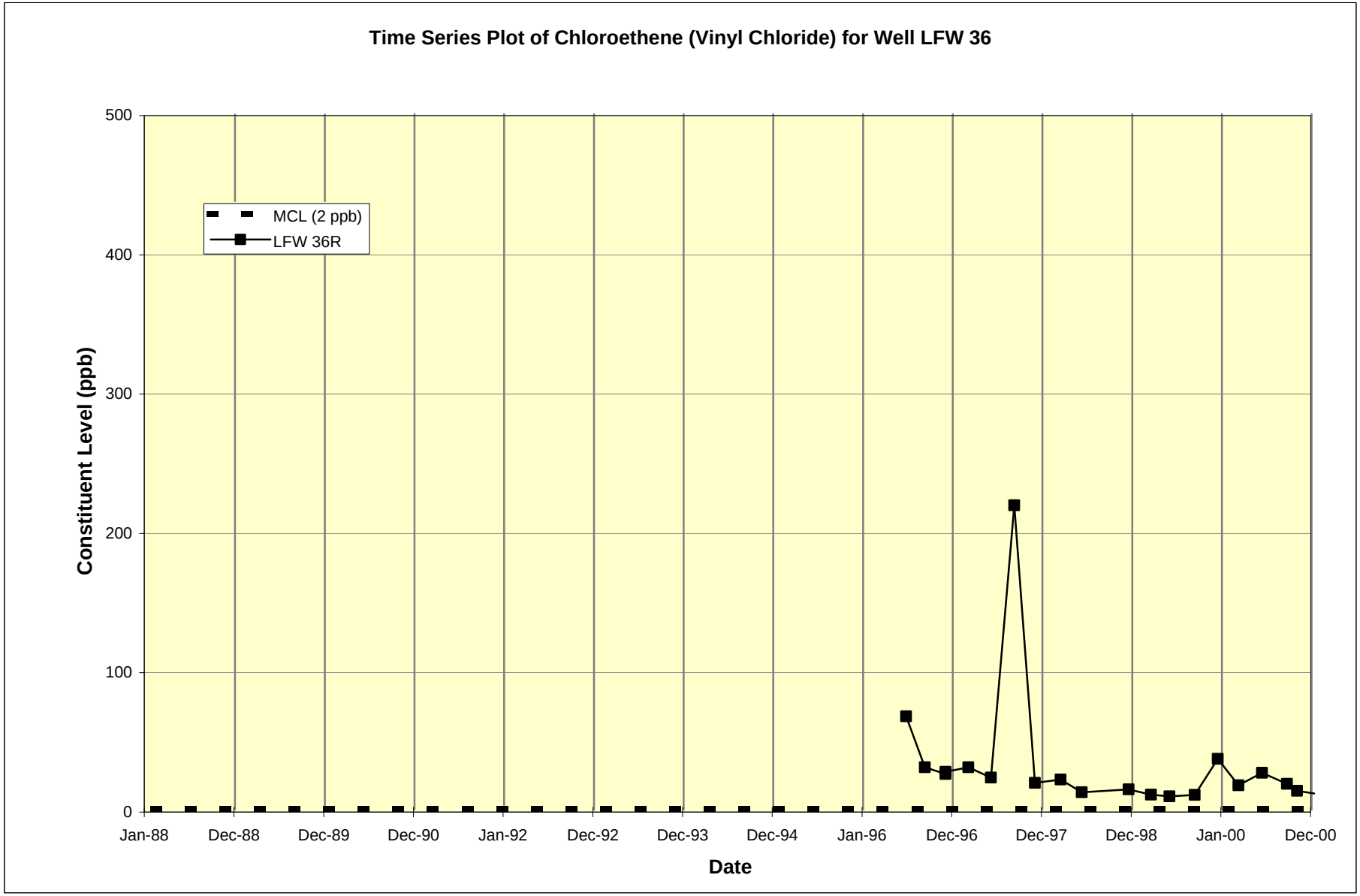

Time Series Plot of Benzene for Well LFW 62
MCL (5 ppb)
LFW 62D
Constituent Level (ppb)
40
35
30
25
20
15
10
5
0
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

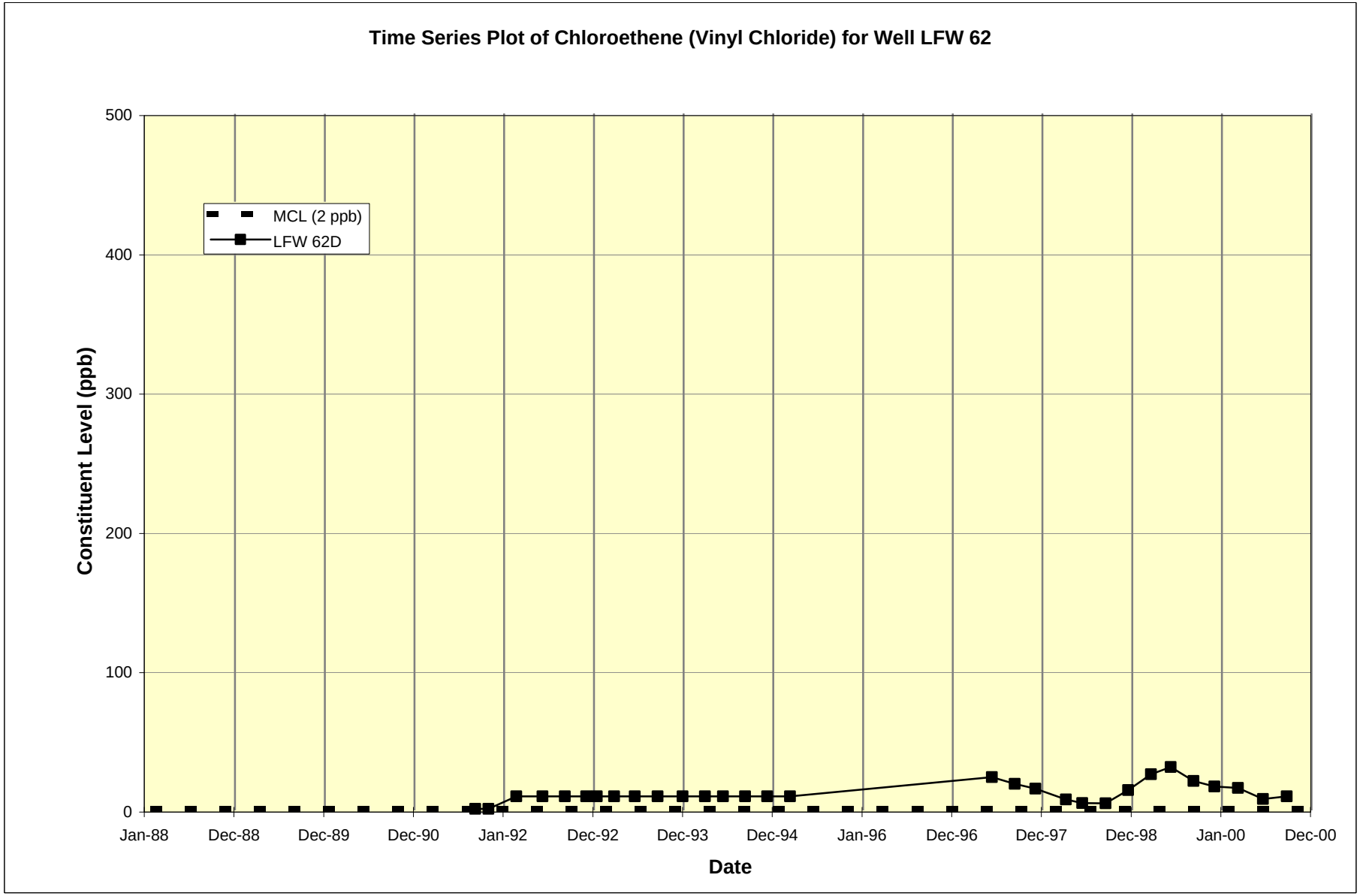

Time Series Plot of Benzene for Well LFW 67
MCL (5 ppb)
LFW 67B
LFW 67C
LFW 67D
Constituent Level (ppb)
0
5
10
15
20
25
30
35
40
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

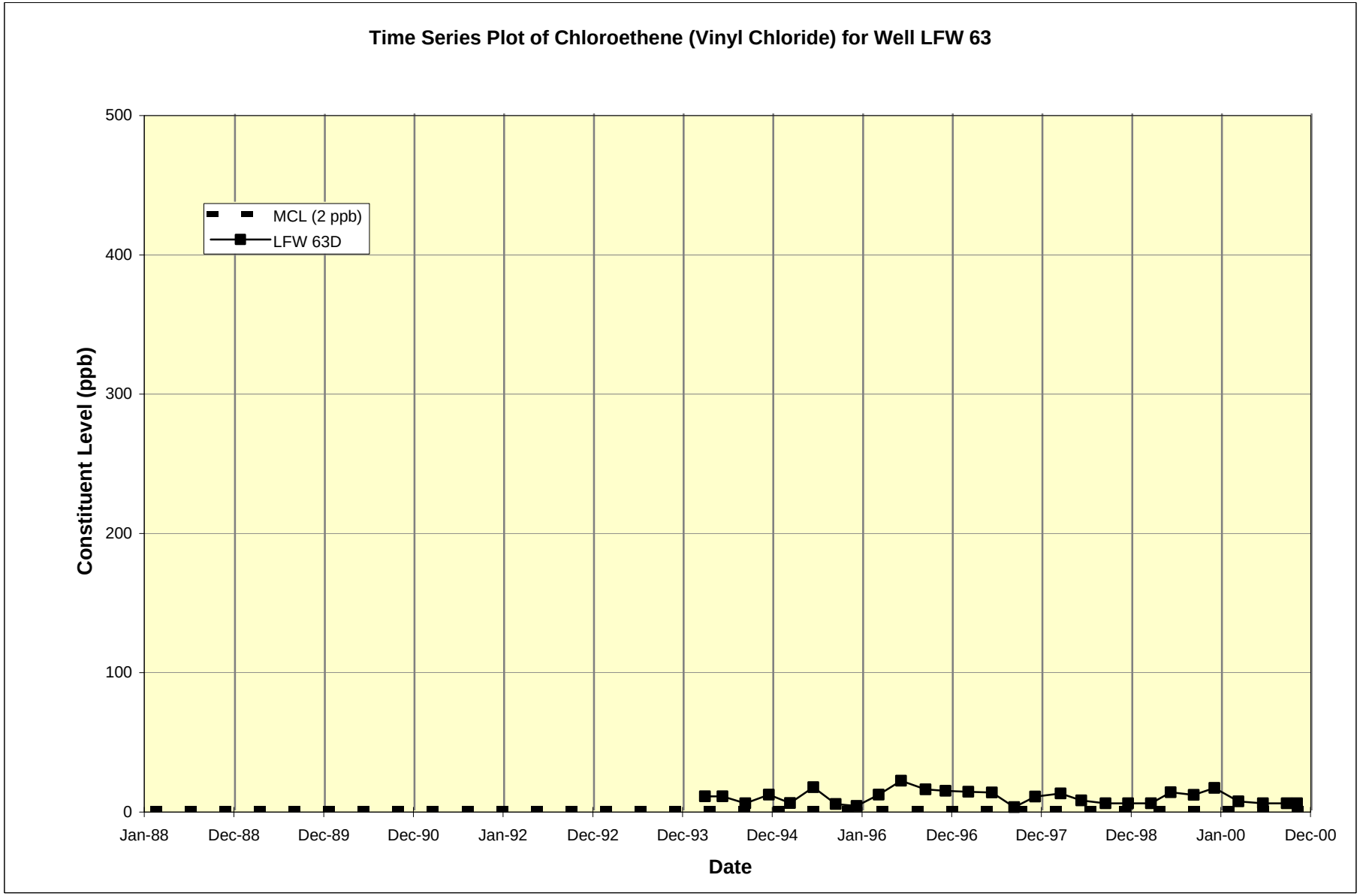

Time Series Plot of Chloroethene (Vinyl Chloride) for Well LFW 8
MCL (2 ppb)
LFW 8R
Constituent Level (ppb)
500
400
300
200
100
0
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

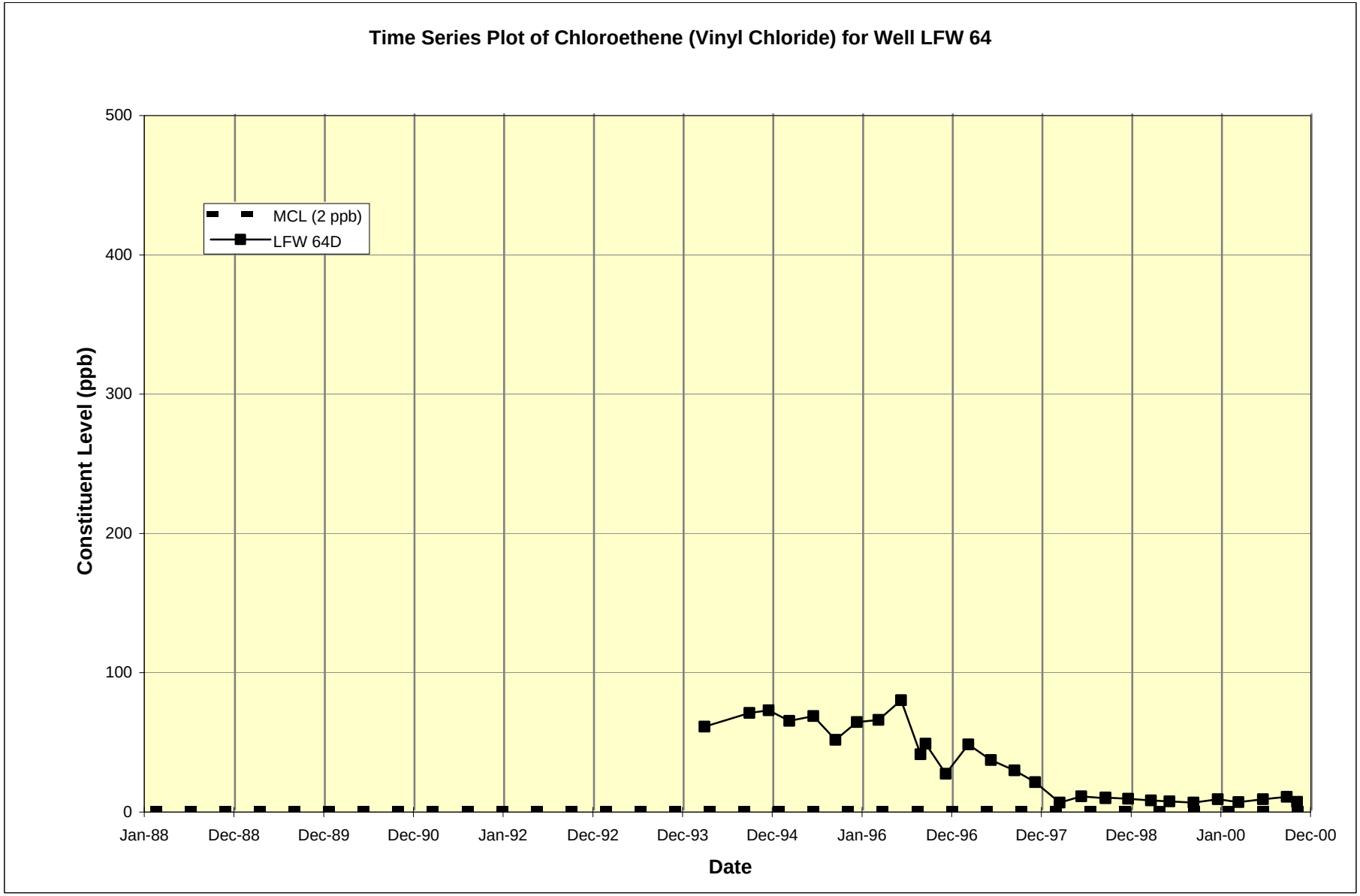

Time Series Plot of Chloroethene (Vinyl Chloride) for Well LFW 10
MCL (2 ppb)
LFW 10A
Constituent Level (ppb)
500
400
300
200
100
0
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

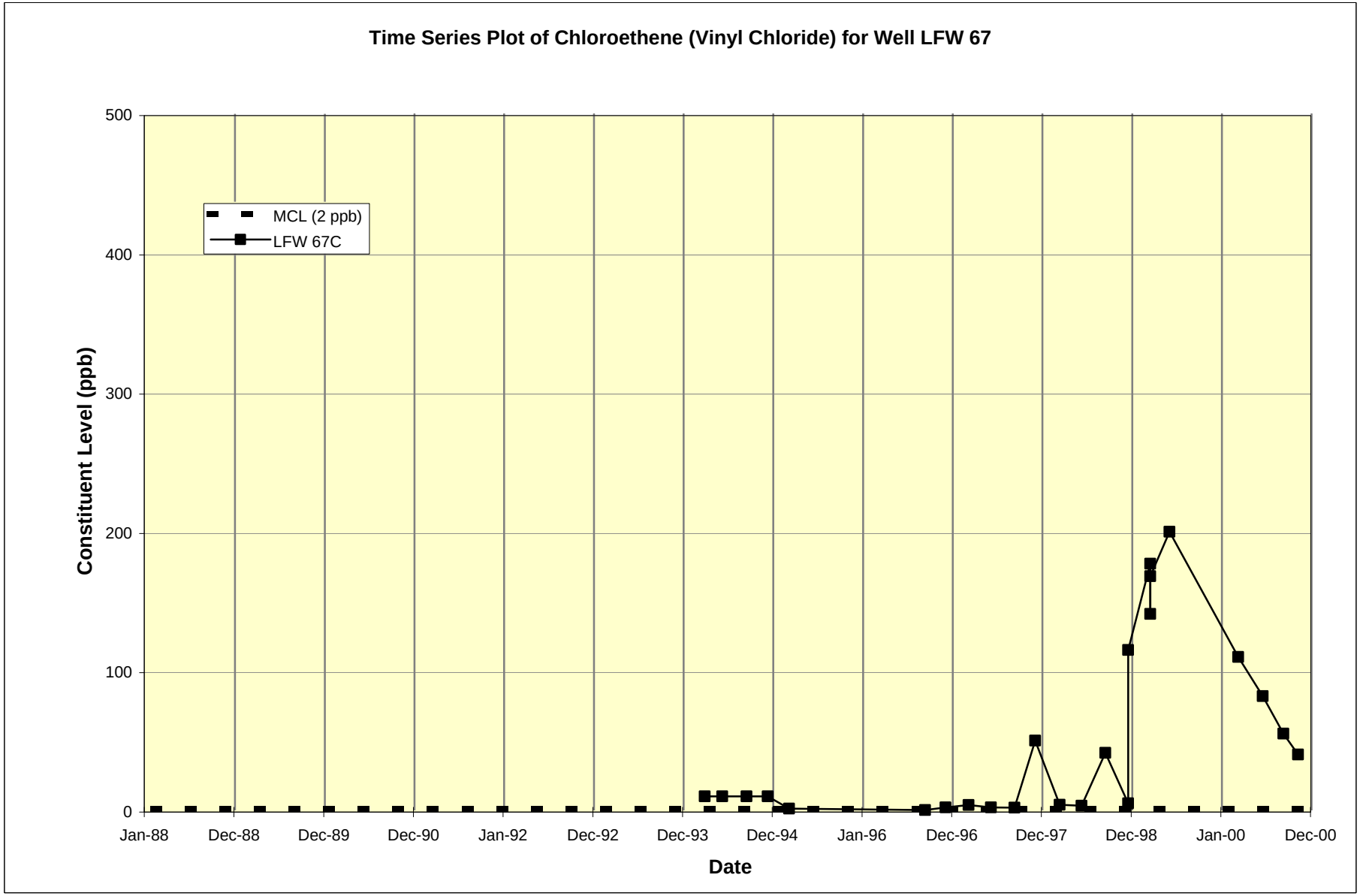

Time Series Plot of Chloroethene (Vinyl Chloride) for Well LFW 21
MCL (2 ppb)
LFW 21
Constituent Level (ppb)
500
400
300
200
100
0
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

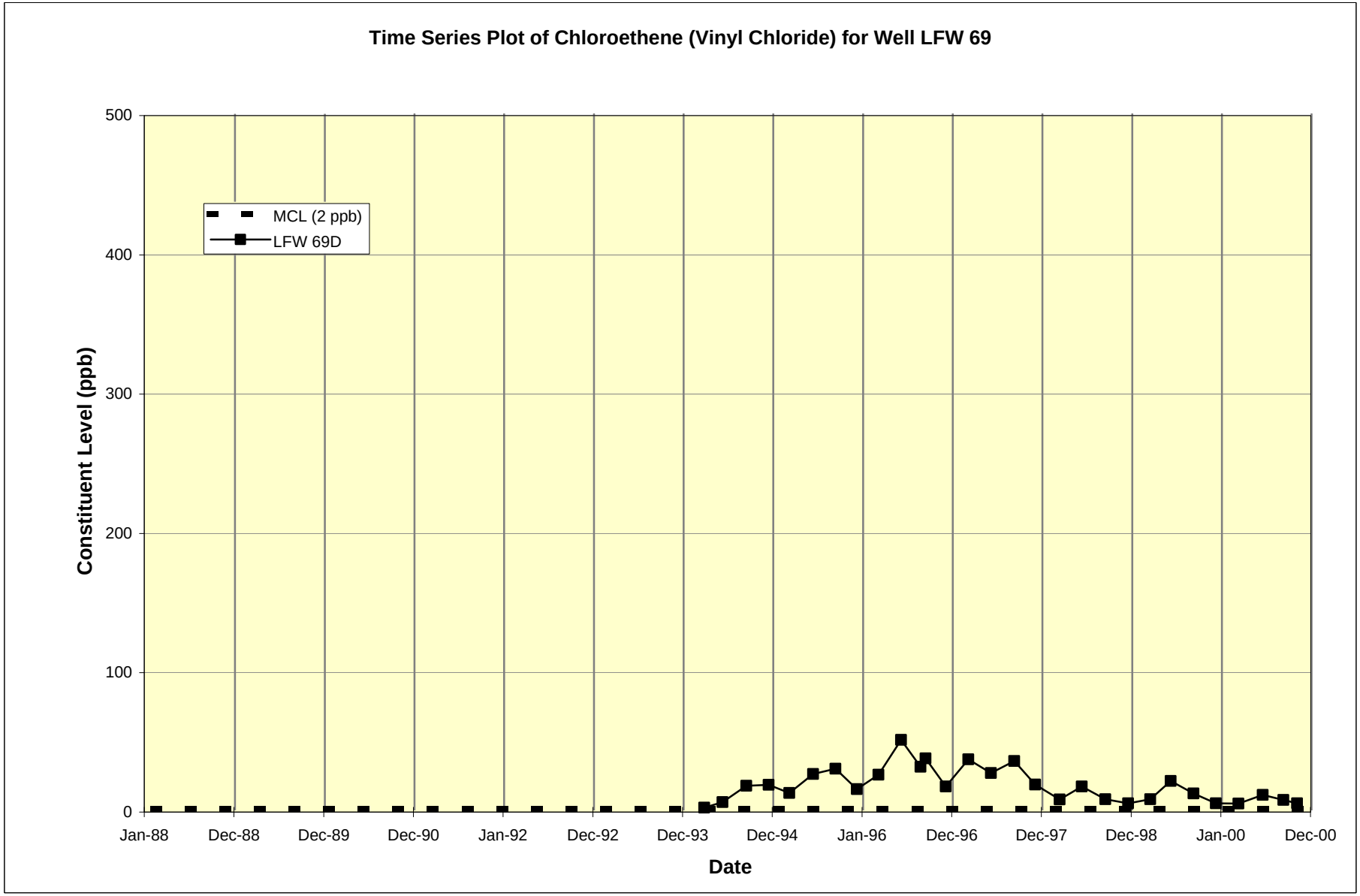

Time Series Plot of Chloroethene (Vinyl Chloride) for Well LFW 36
MCL (2 ppb)
LFW 36R
Constituent Level (ppb)
500
400
300
200
100
0
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

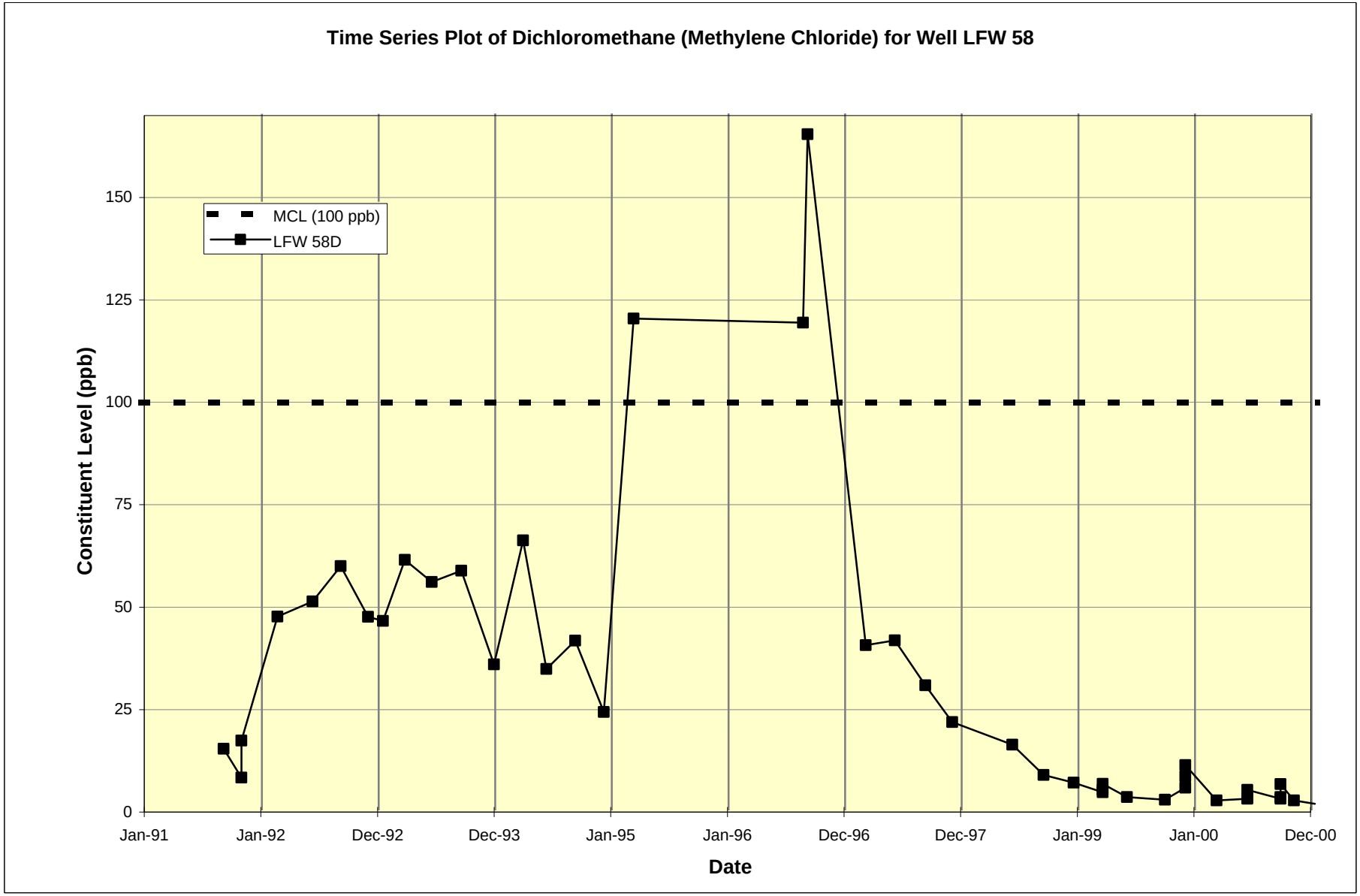

Time Series Plot of Chloroethene (Vinyl Chloride) for Well LFW 62
MCL (2 ppb)
LFW 62D
Constituent Level (ppb)
500
400
300
200
100
0
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

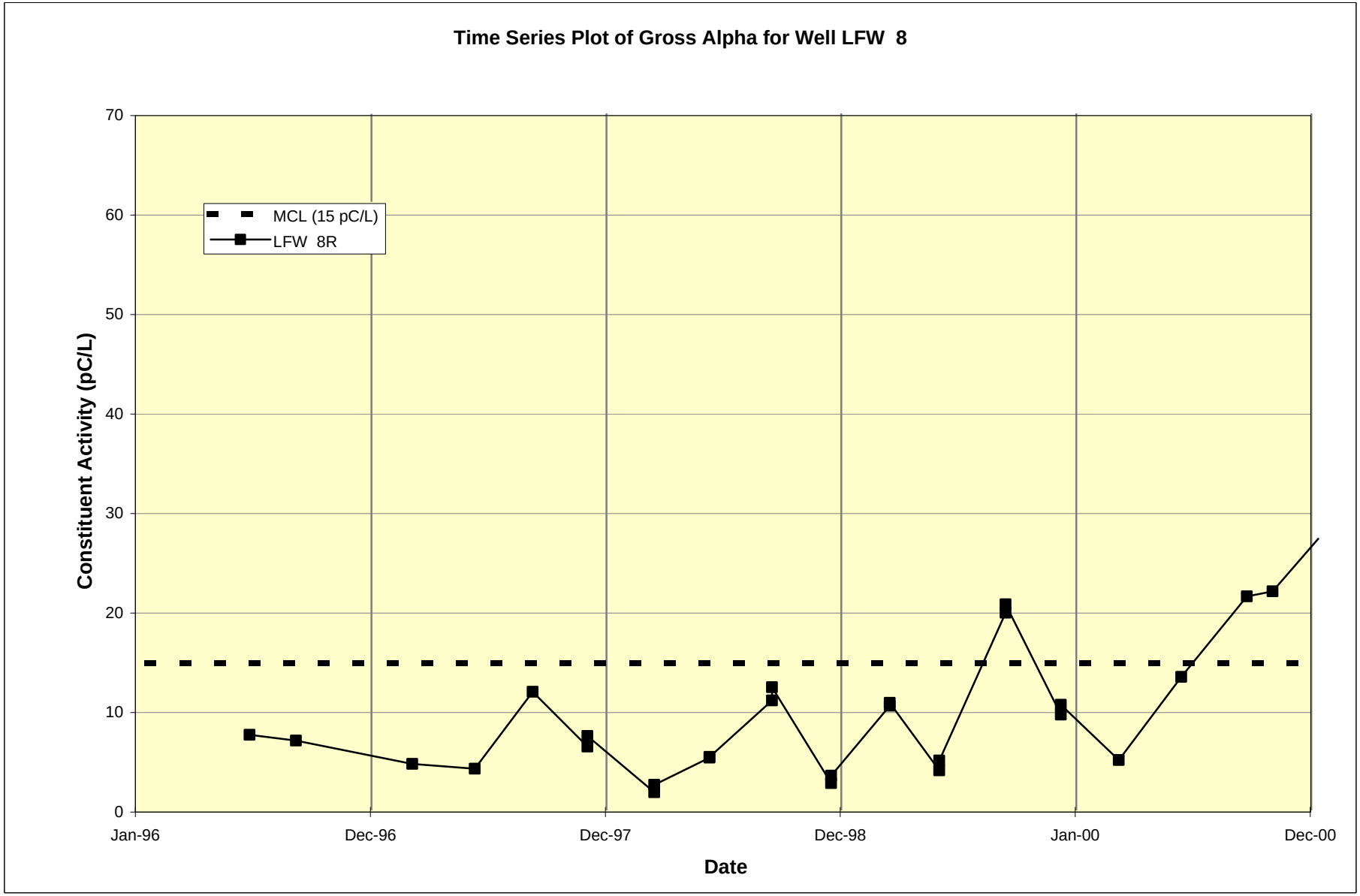

Time Series Plot of Chloroethene (Vinyl Chloride) for Well LFW 63
MCL (2 ppb)
LFW 63D
Constituent Level (ppb)
500
400
300
200
100
0
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

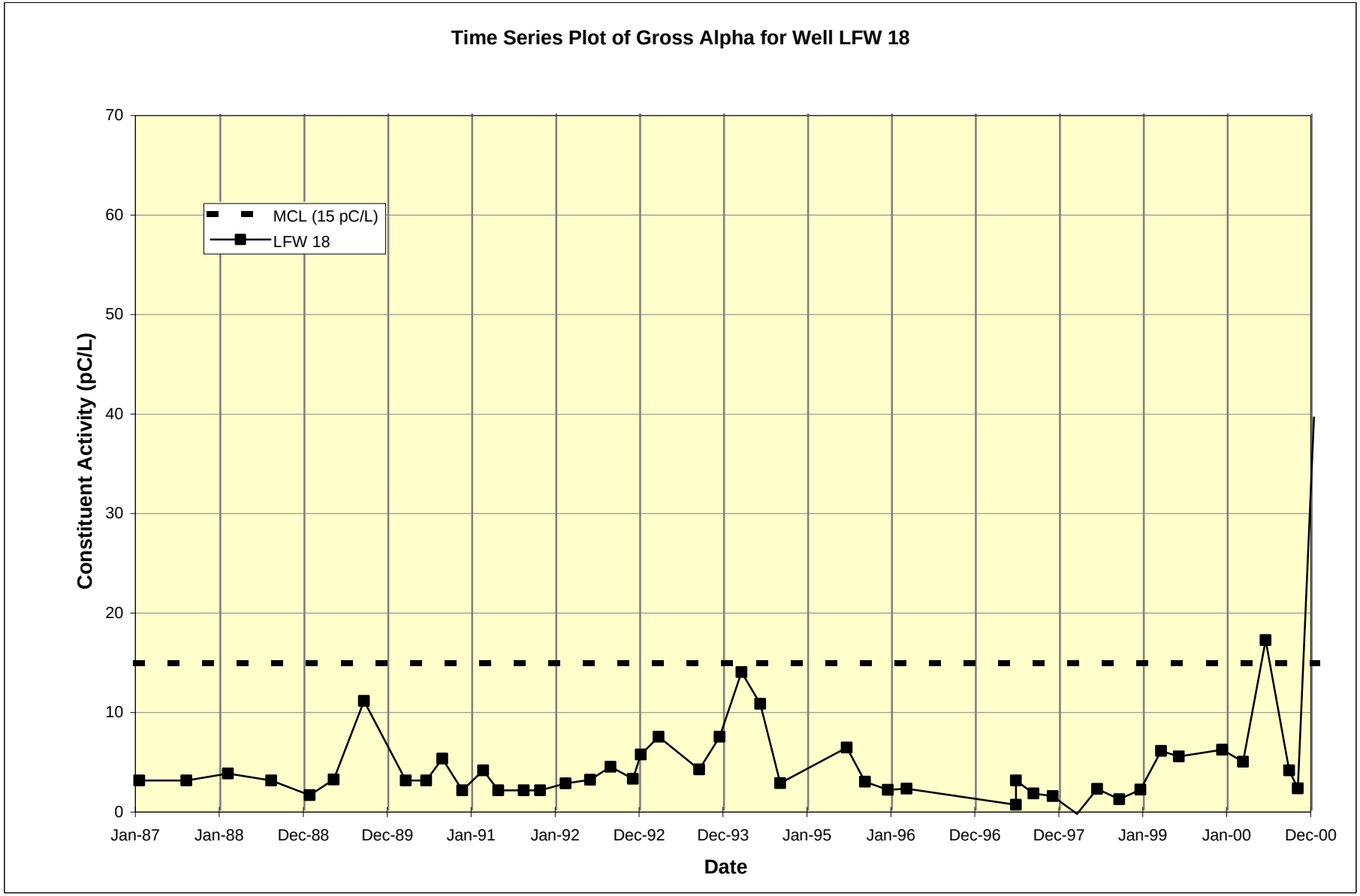

Time Series Plot of Chloroethene (Vinyl Chloride) for Well LFW 64
MCL (2 ppb)
LFW 64D
Constituent Level (ppb)
500
400
300
200
100
0
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

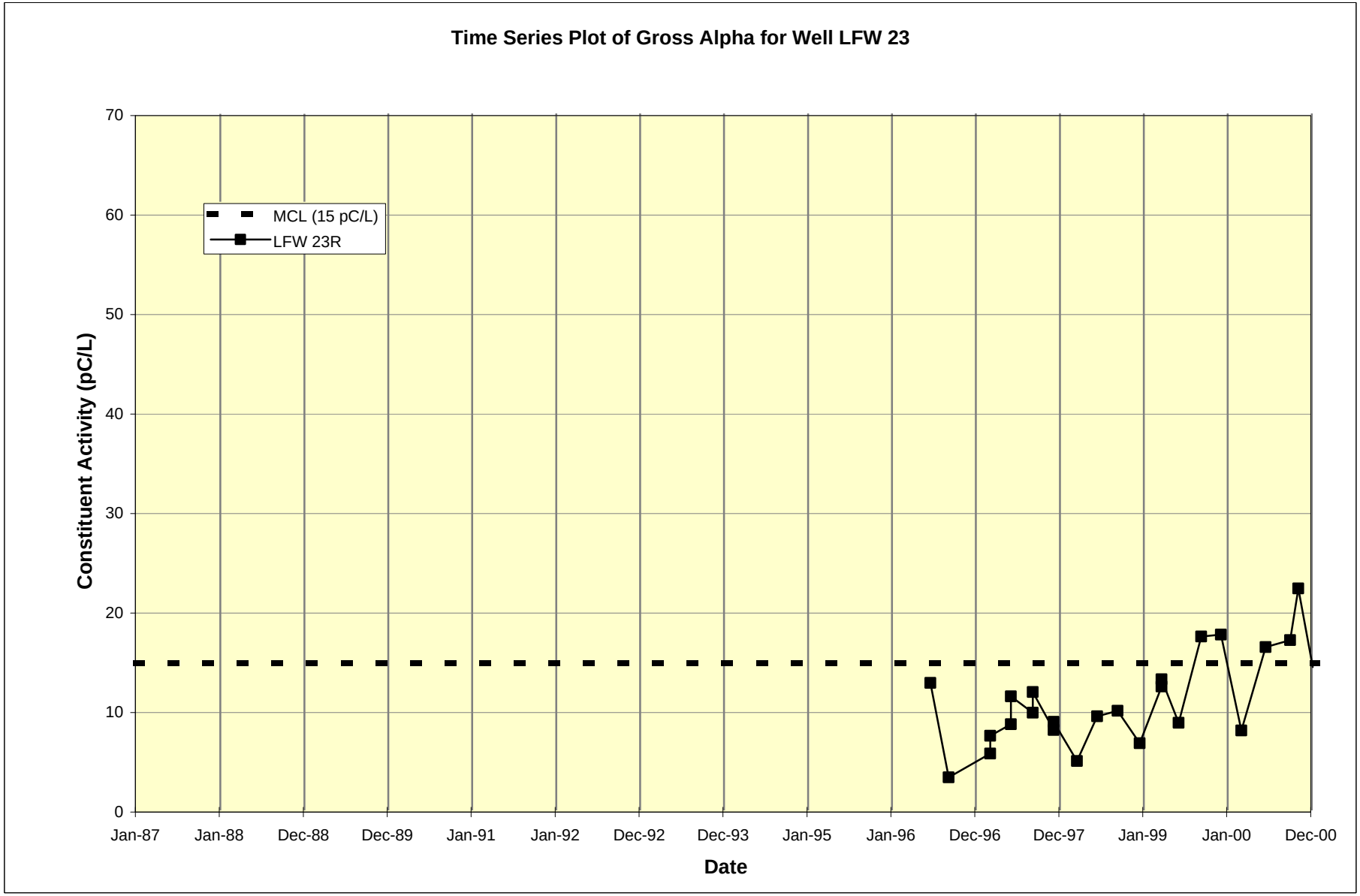

Time Series Plot of Chloroethene (Vinyl Chloride) for Well LFW 67
MCL (2 ppb)
LFW 67C
Constituent Level (ppb)
500
400
300
200
100
0
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

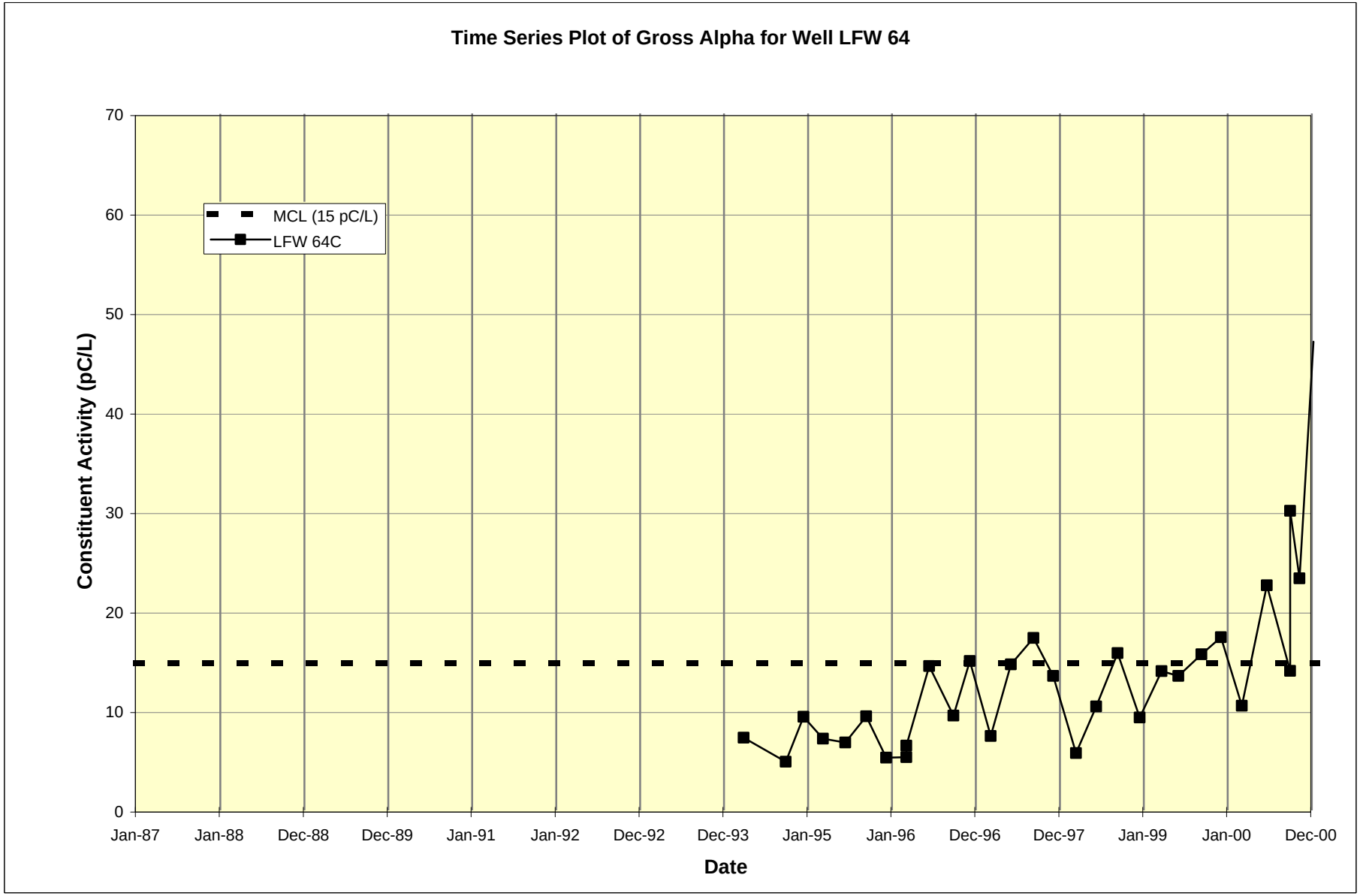

Time Series Plot of Chloroethene (Vinyl Chloride) for Well LFW 69
MCL (2 ppb)
LFW 69D
Constituent Level (ppb)
500
400
300
200
100
0
Jan-88
Dec-88
Dec-89
Dec-90
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date


Time Series Plot of Dichloromethane (Methylene Chloride) for Well LFW 58
MCL (100 ppb)
LFW 58D
Constituent Level (ppb)
0
25
50
75
100
125
150
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date


Time Series Plot of Gross Alpha for Well LFW 8
MCL (15 pC/L)
LFW 8R
Constituent Activity (pC/L)
70
60
50
40
30
20
10
0
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date


Time Series Plot of Gross Alpha for Well LFW 18
MCL (15 pC/L)
LFW 18
Constituent Activity (pC/L)
70
60
50
40
30
20
10
0
Jan-87
Jan-88
Dec-88
Dec-89
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date


Time Series Plot of Gross Alpha for Well LFW 23
MCL (15 pC/L)
LFW 23R
Constituent Activity (pC/L)
70
60
50
40
30
20
10
0
Jan-87
Jan-88
Dec-88
Dec-89
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date


Time Series Plot of Gross Alpha for Well LFW 64
MCL (15 pC/L)
LFW 64C
Constituent Activity (pC/L)
0
10
20
30
40
50
60
70
Jan-87
Jan-88
Dec-88
Dec-89
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Dec-97
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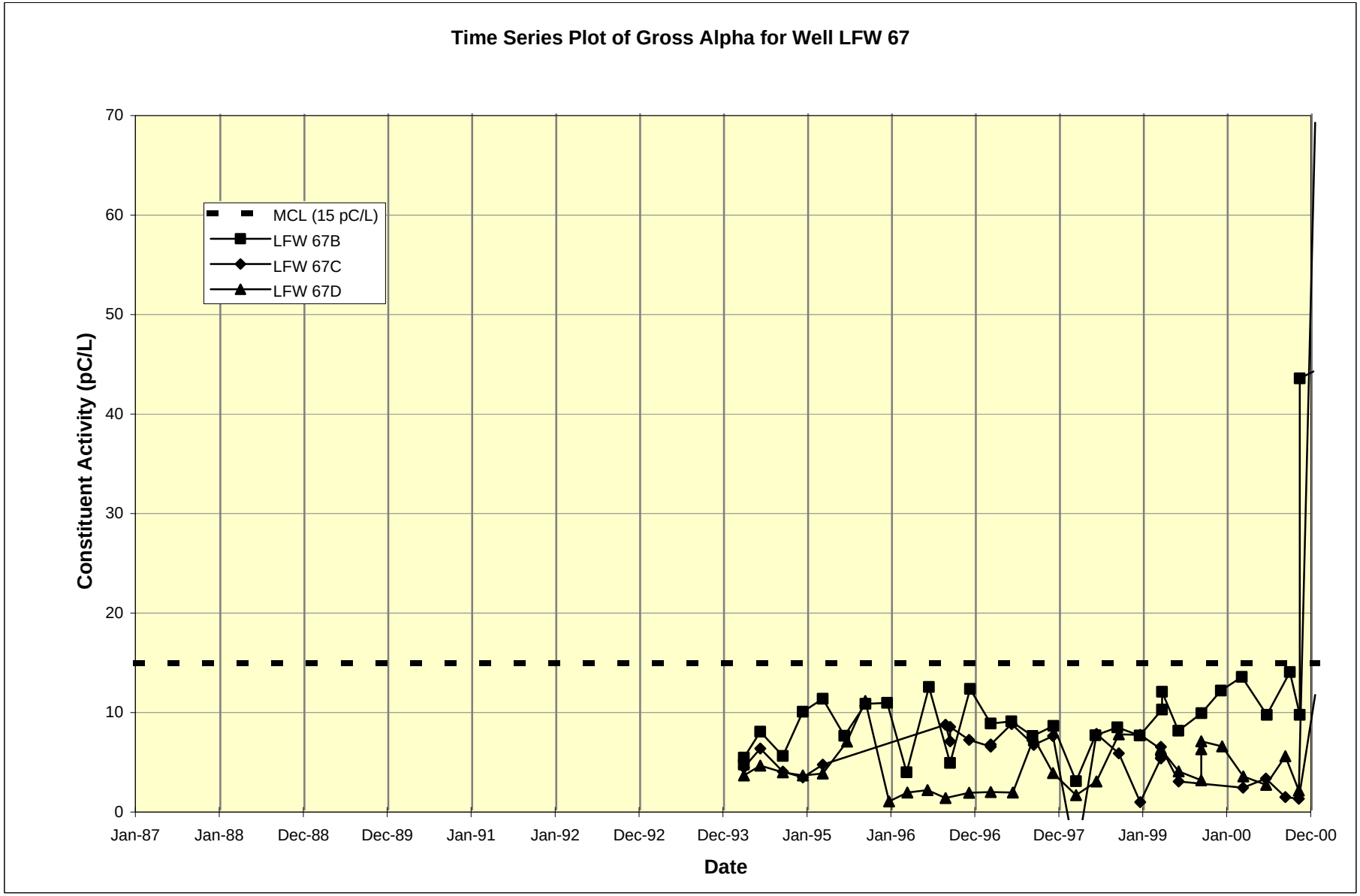
Jan-00
Dec-00
Date


Time Series Plot of Gross Alpha for Well LFW 67
MCL (15 pC/L)
LFW 67B
LFW 67C
LFW 67D
Constituent Activity (pC/L)
70
60
50
40
30
20
10
0
Jan-87
Jan-88
Dec-88
Dec-89
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
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Dec-97
Jan-99
Jan-00
Dec-00
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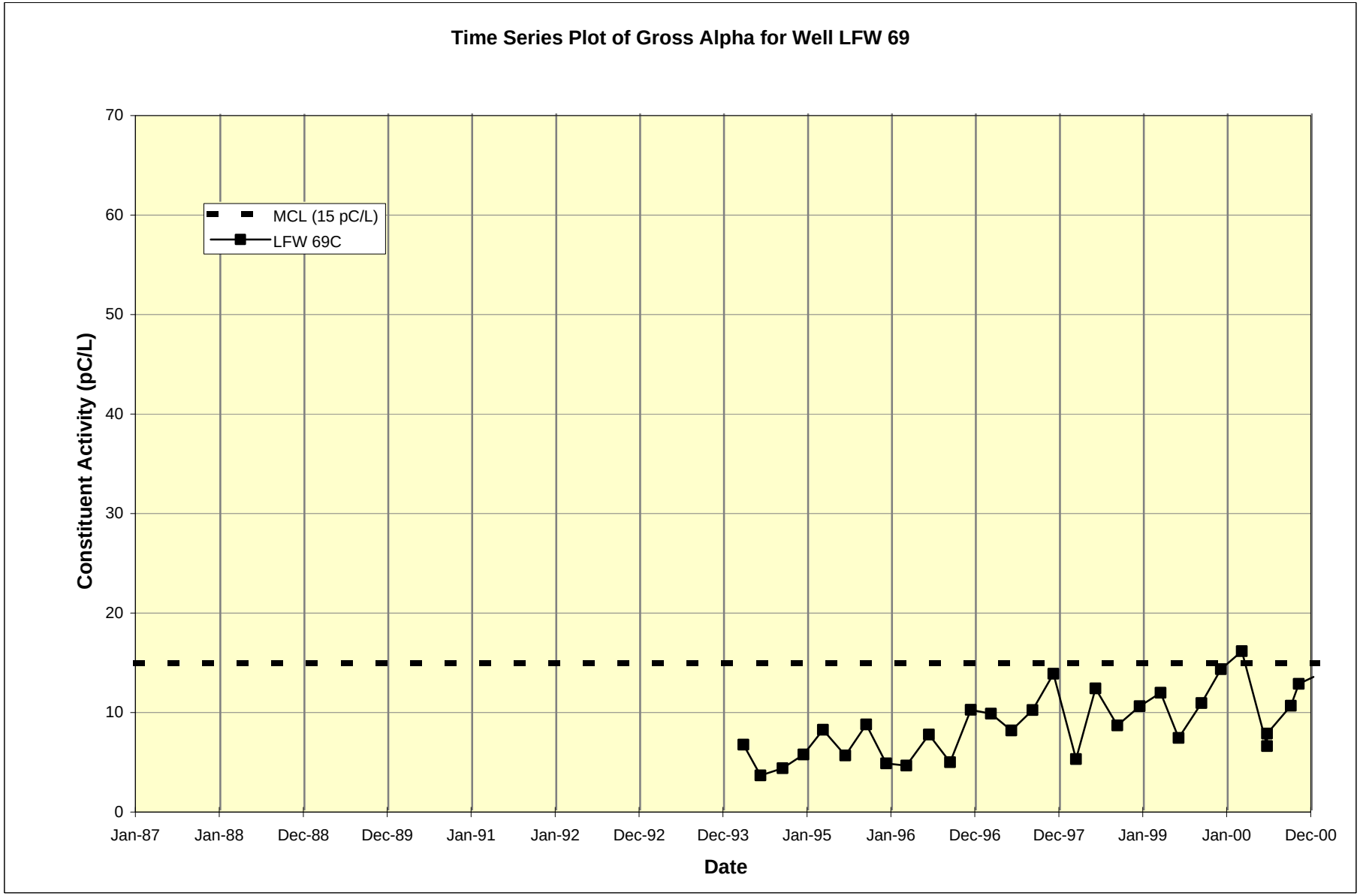
Time Series Plot of Gross Alpha for Well LFW 69
MCL (15 pC/L)
LFW 69C
Constituent Activity (pC/L)
0
10
20
30
40
50
60
70
Jan-87
Jan-88
Dec-88
Dec-89
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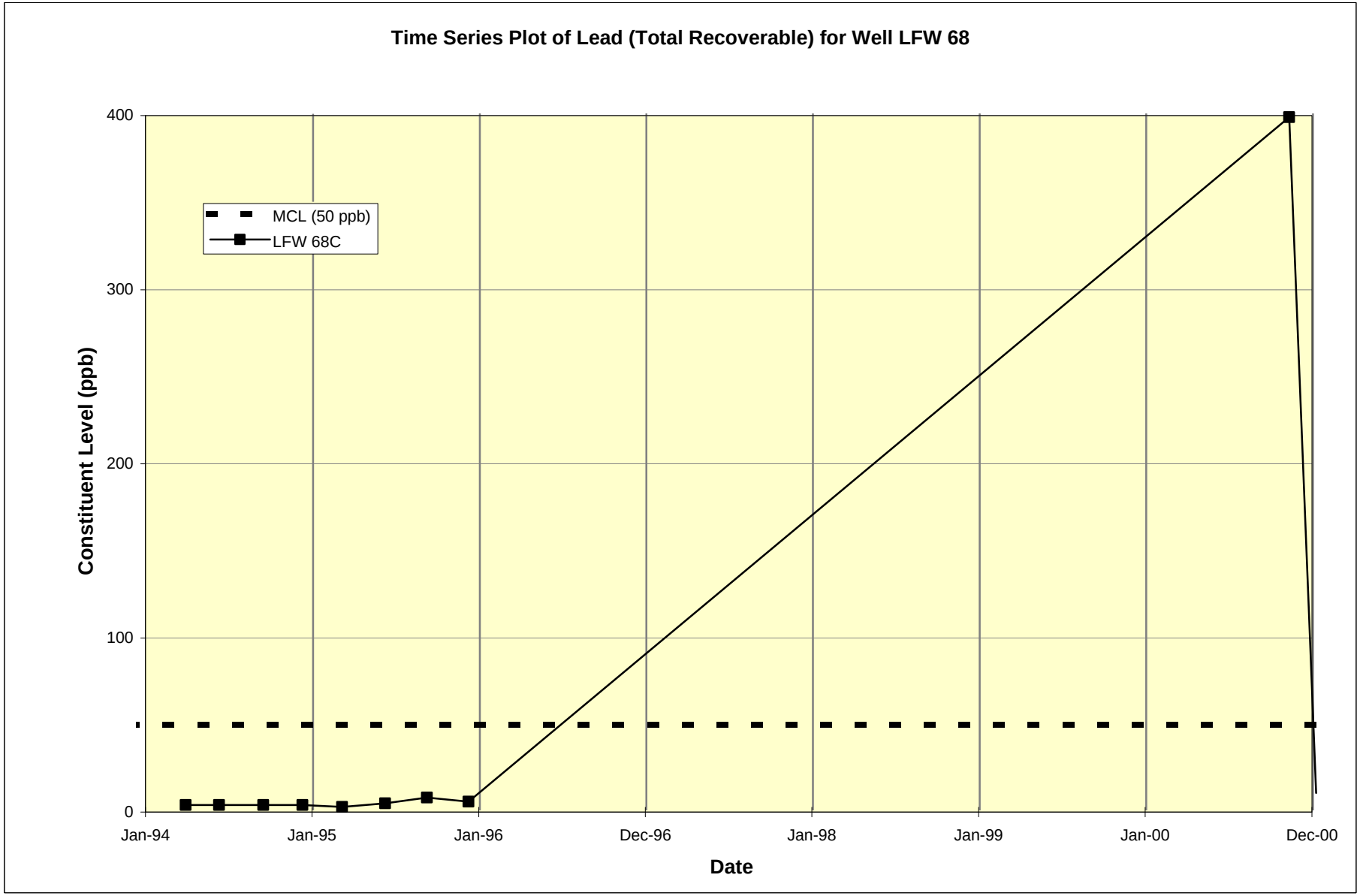
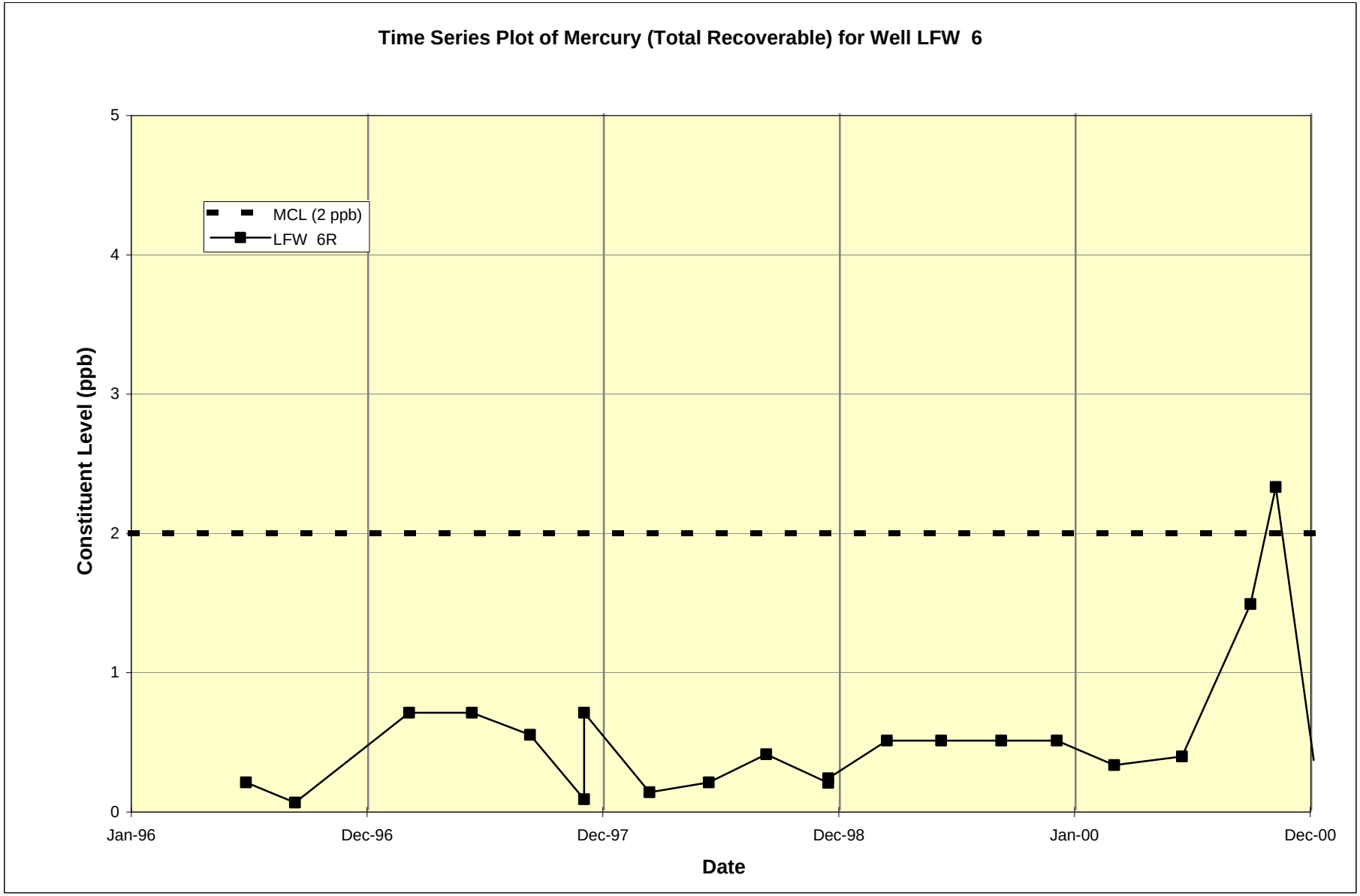
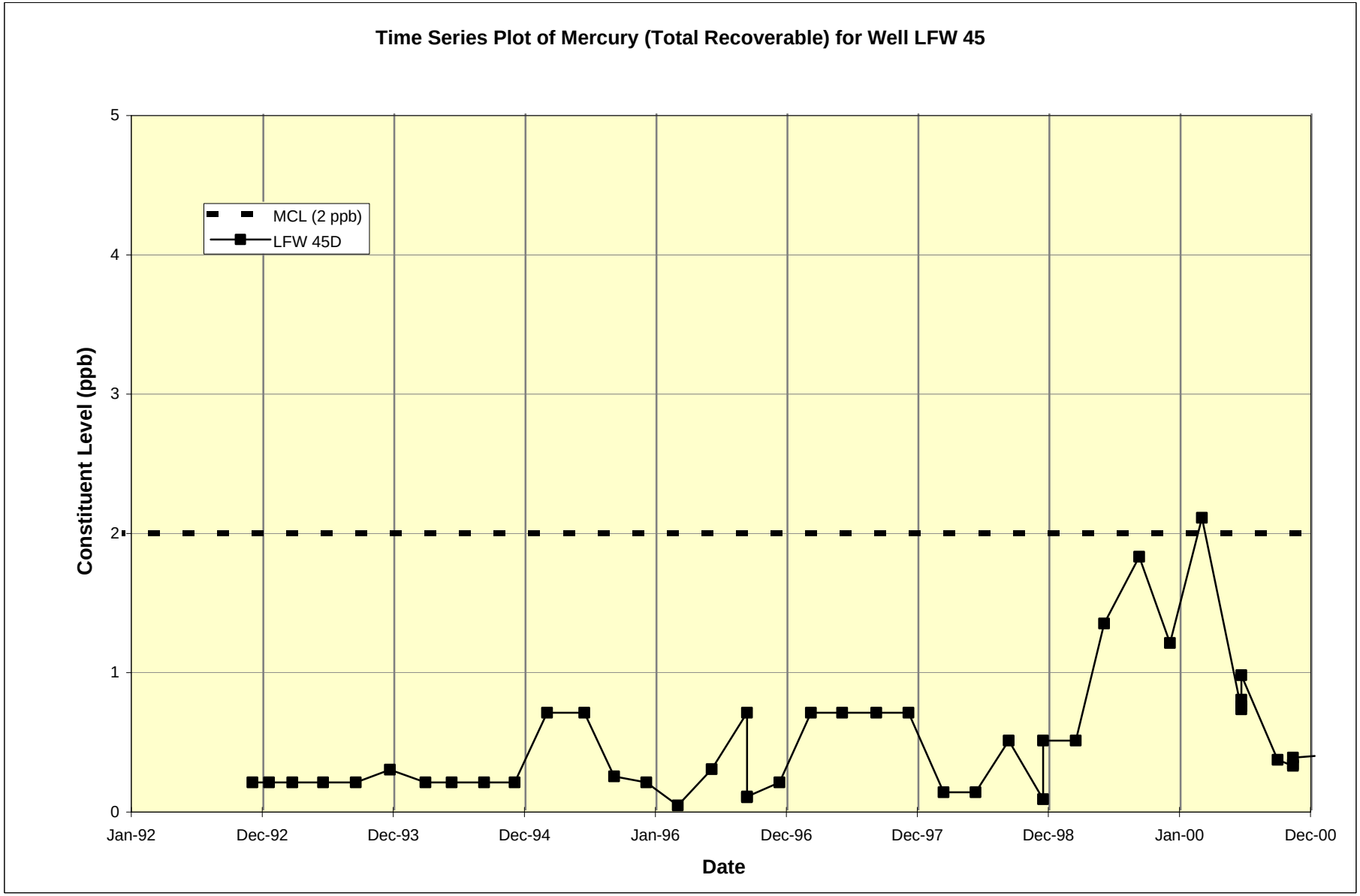
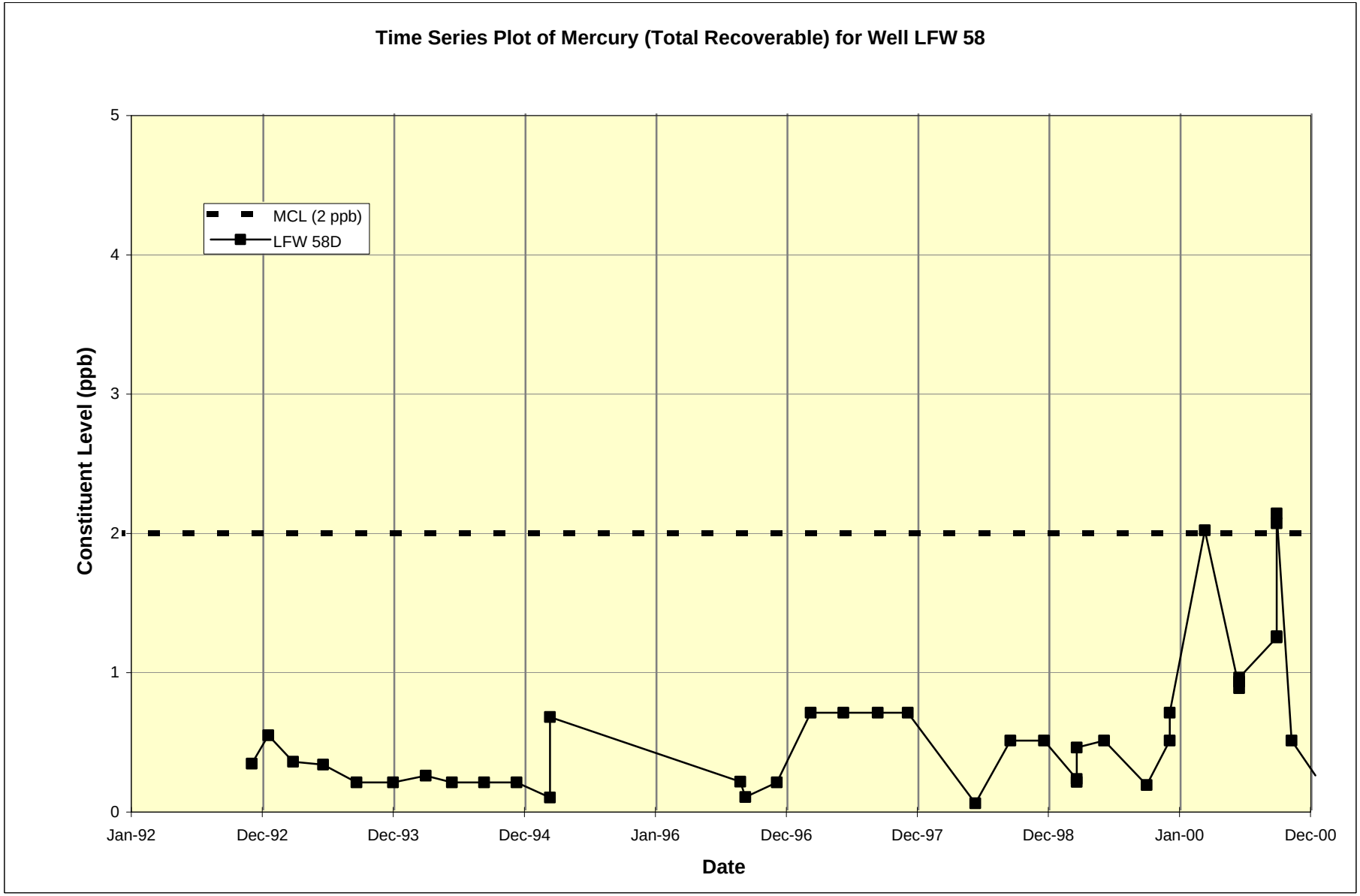
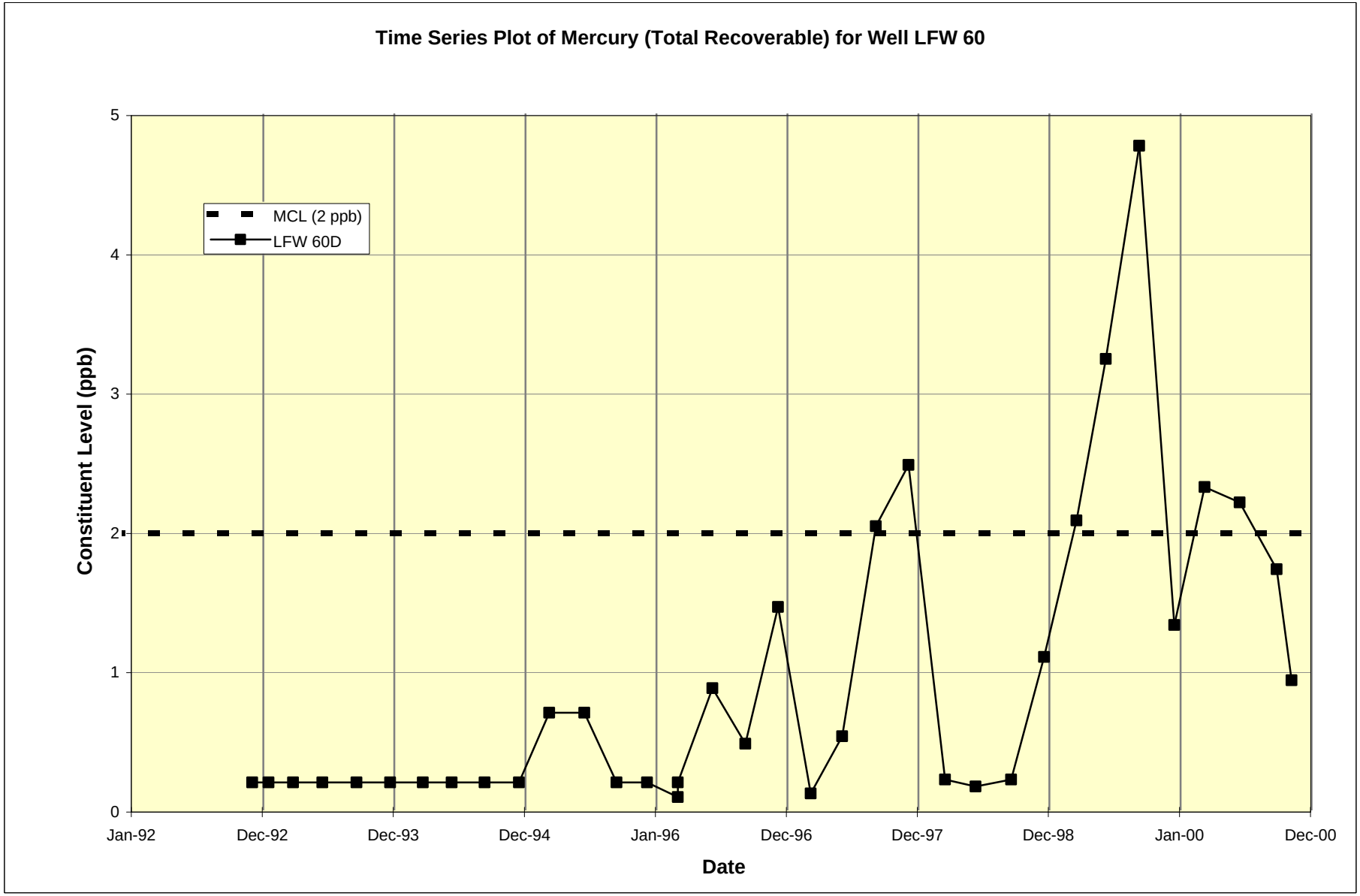
Jan-99
Jan-00
Dec-00
Date

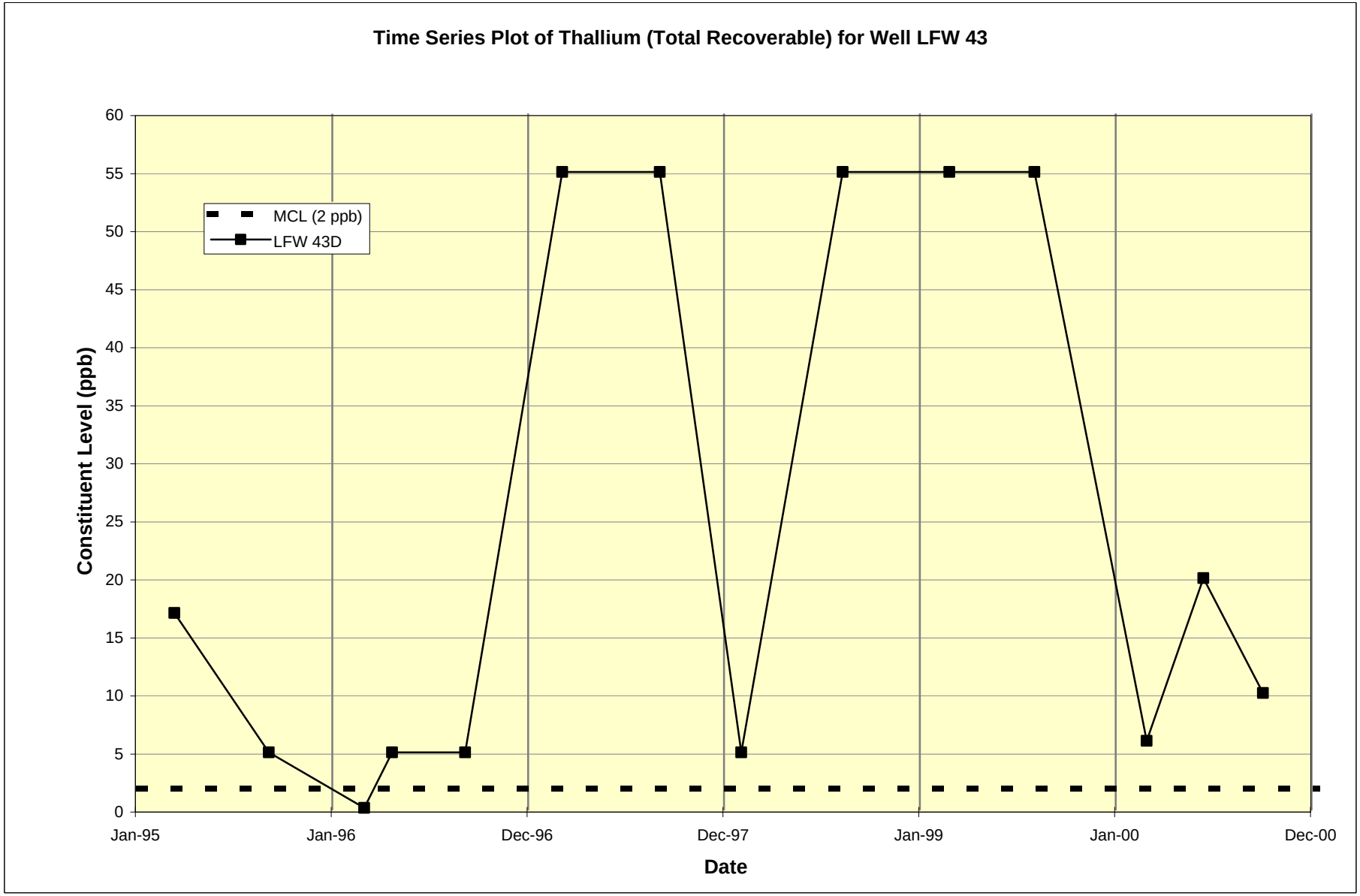

Time Series Plot of Lead (Total Recoverable) for Well LFW 68
MCL (50 ppb)
LFW 68C
Constituent Level (ppb)
400
300
200
100
0
Jan-94
Jan-95
Jan-96
Dec-96
Jan-98
Jan-99
Jan-00
Dec-00
Date

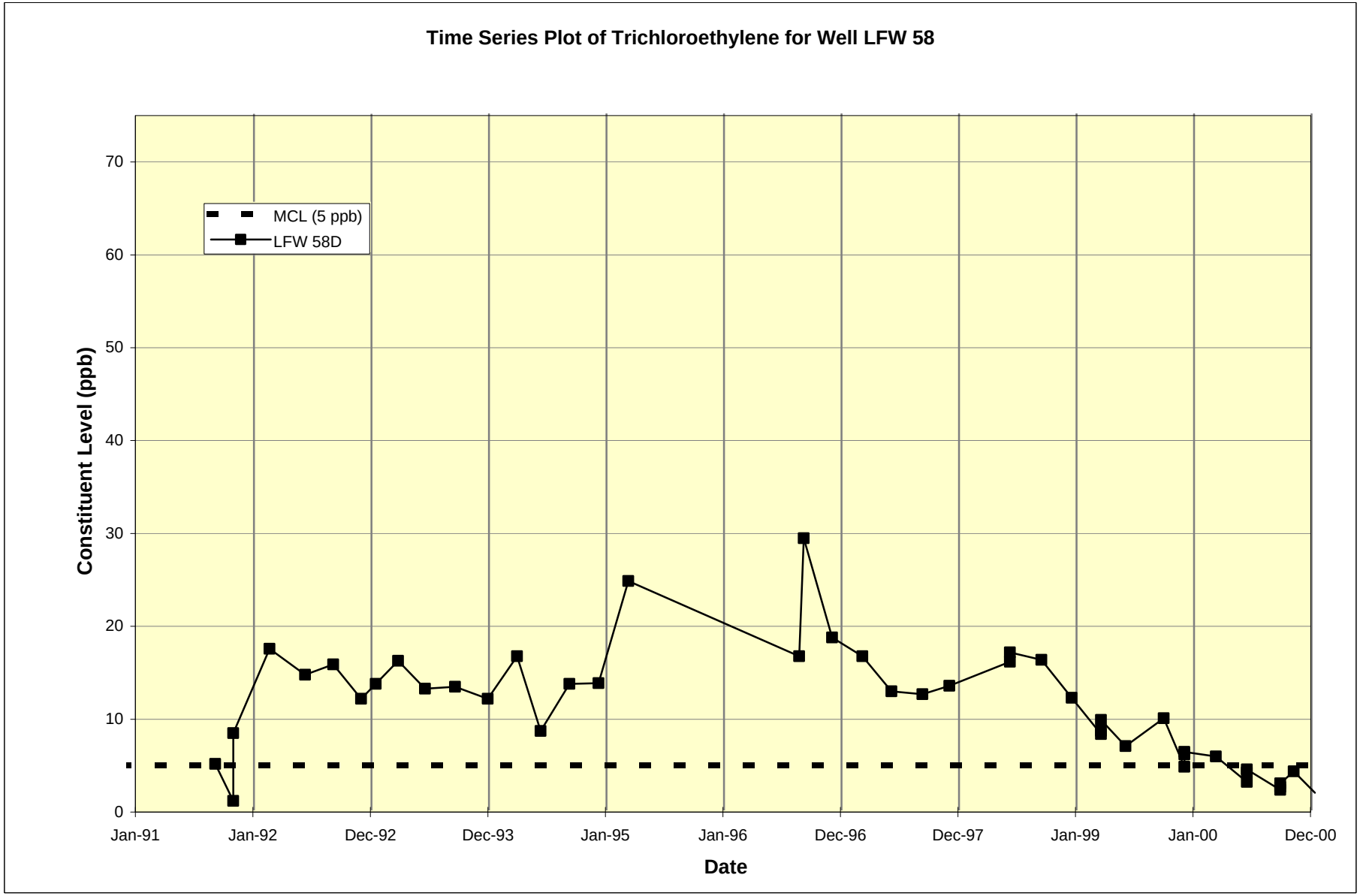

Time Series Plot of Mercury (Total Recoverable) for Well LFW 6
MCL (2 ppb)
LFW 6R
Constituent Level (ppb)
0
1
2
3
4
5
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

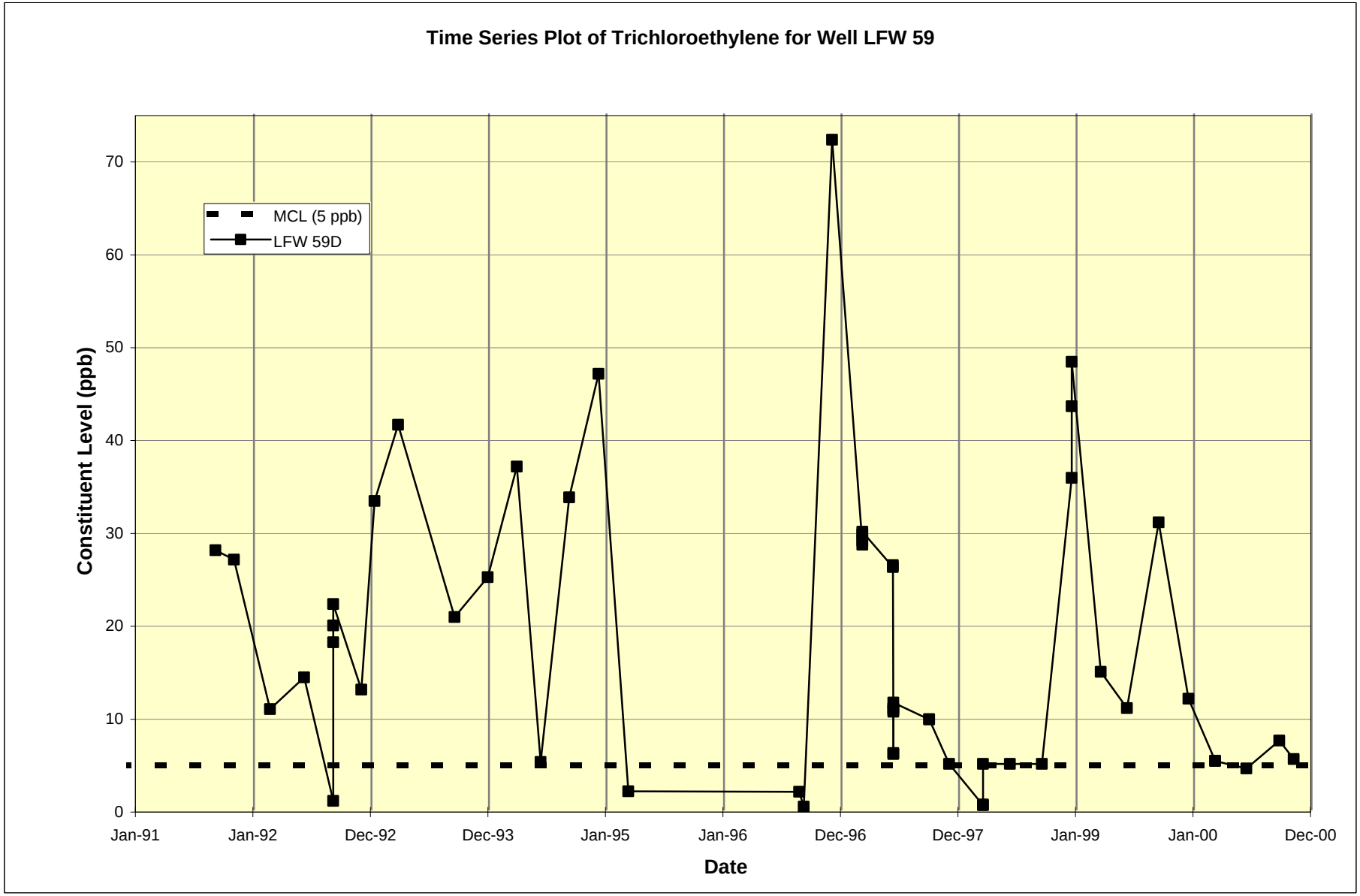

Time Series Plot of Mercury (Total Recoverable) for Well LFW 45
MCL (2 ppb)
LFW 45D
Constituent Level (ppb)
0
1
2
3
4
5
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

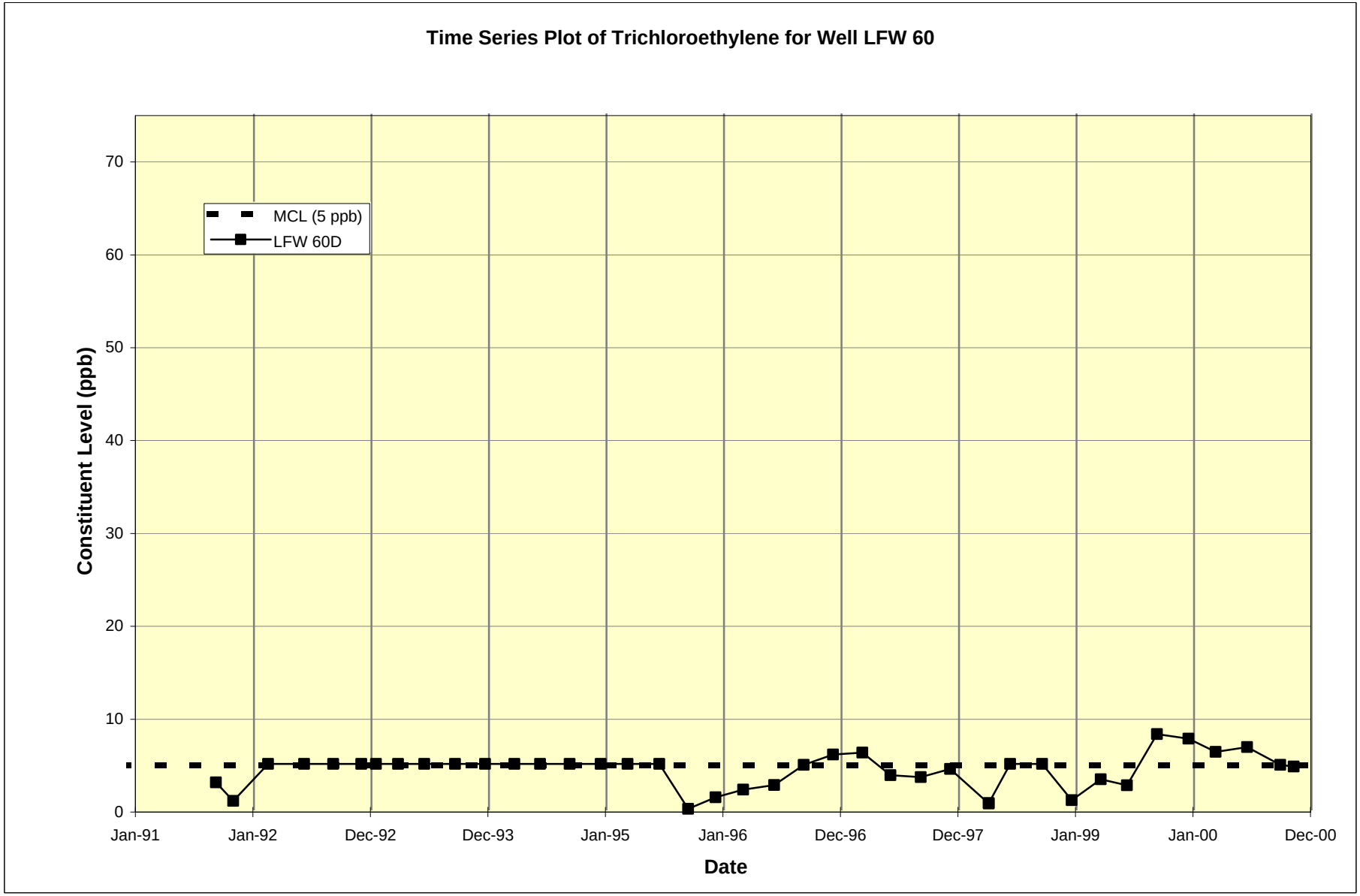

Time Series Plot of Mercury (Total Recoverable) for Well LFW 58
MCL (2 ppb)
LFW 58D
Constituent Level (ppb)
0
1
2
3
4
5
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

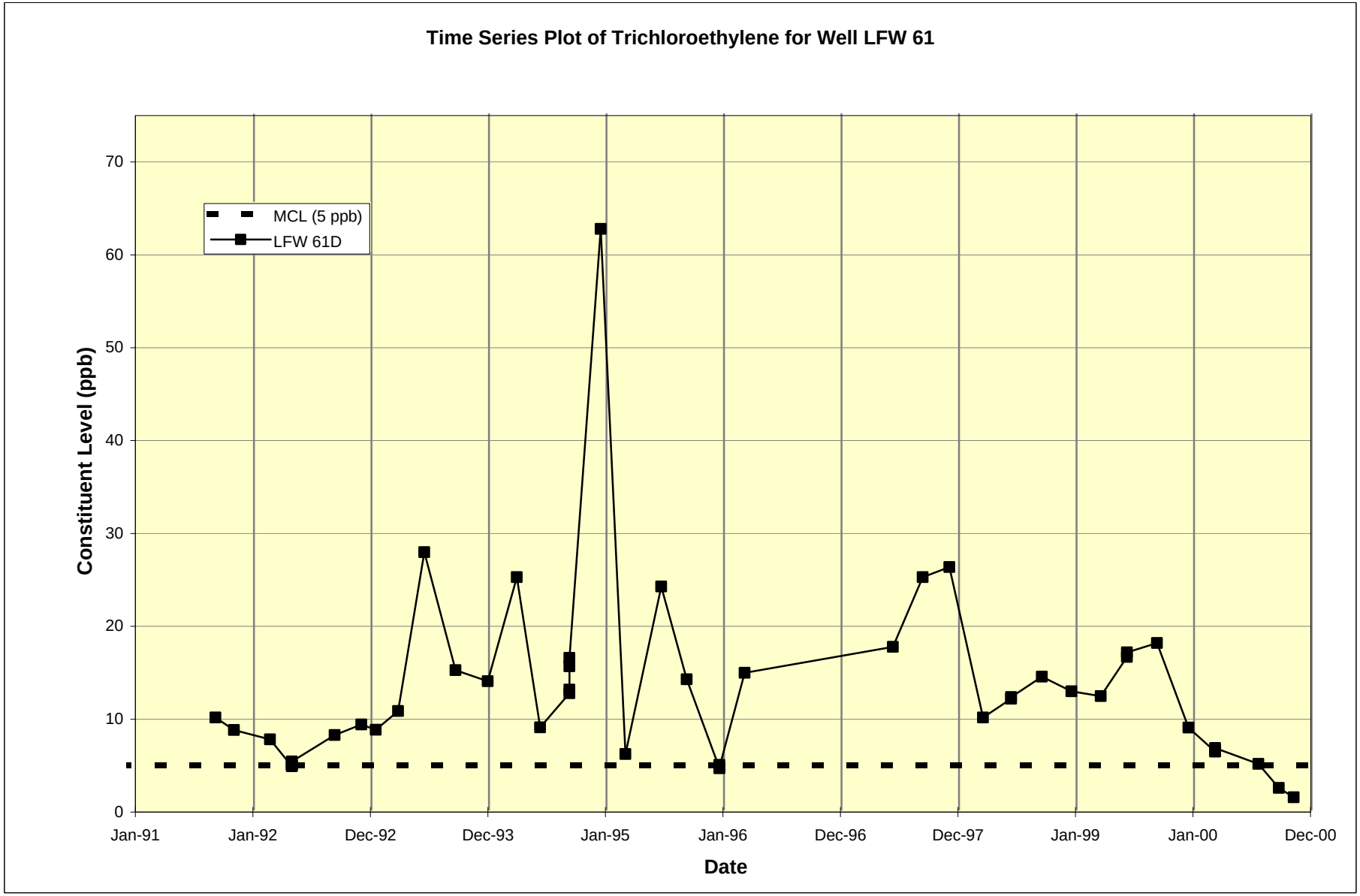

Time Series Plot of Mercury (Total Recoverable) for Well LFW 60
MCL (2 ppb)
LFW 60D
Constituent Level (ppb)
0
1
2
3
4
5
Jan-92
Dec-92
Dec-93
Dec-94
Jan-96
Dec-96
Dec-97
Dec-98
Jan-00
Dec-00
Date

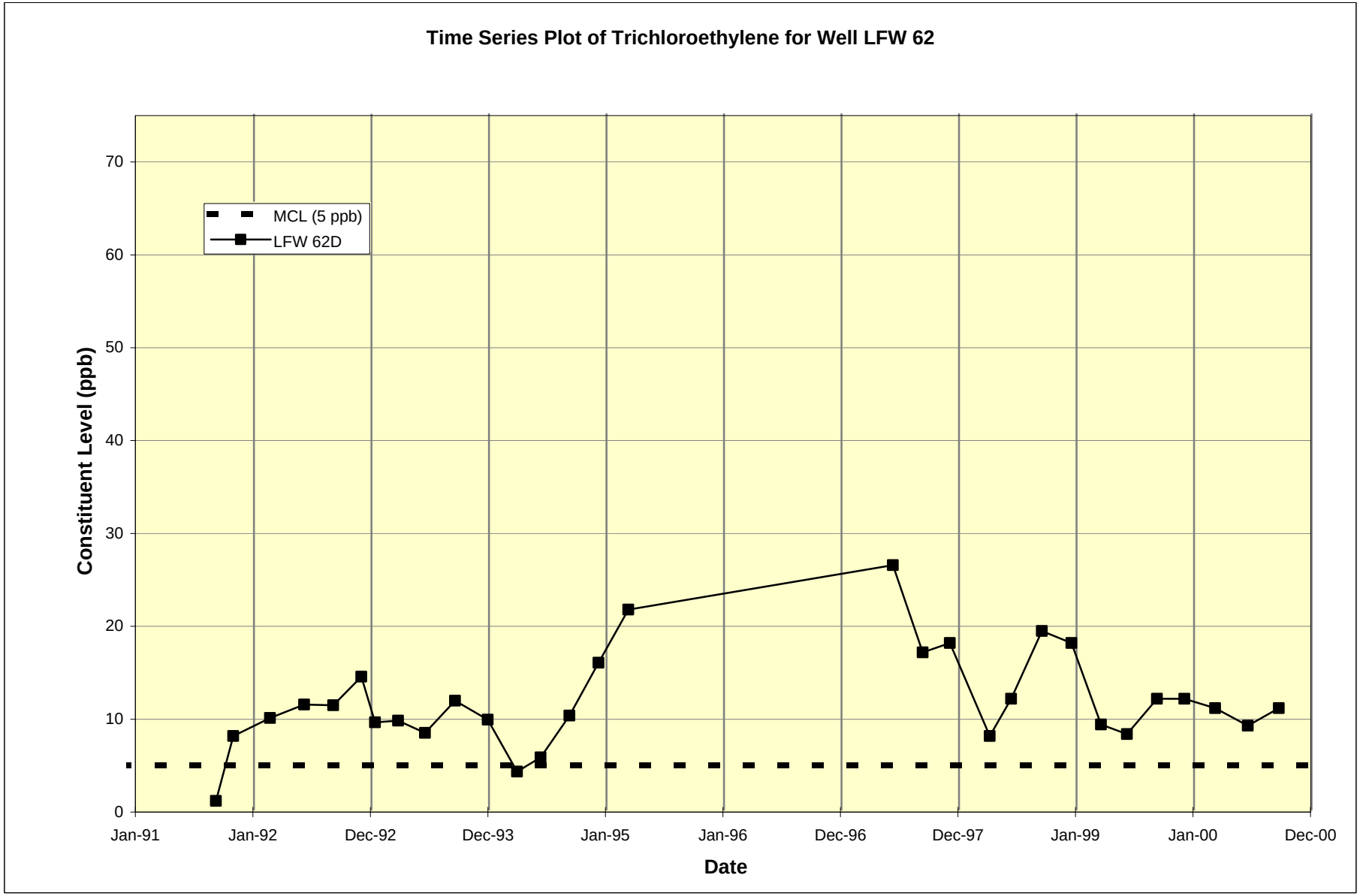

Time Series Plot of Thallium (Total Recoverable) for Well LFW 43
MCL (2 ppb)
LFW 43D
Constituent Level (ppb)
0
5
10
15
20
25
30
35
40
45
50
55
60
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date

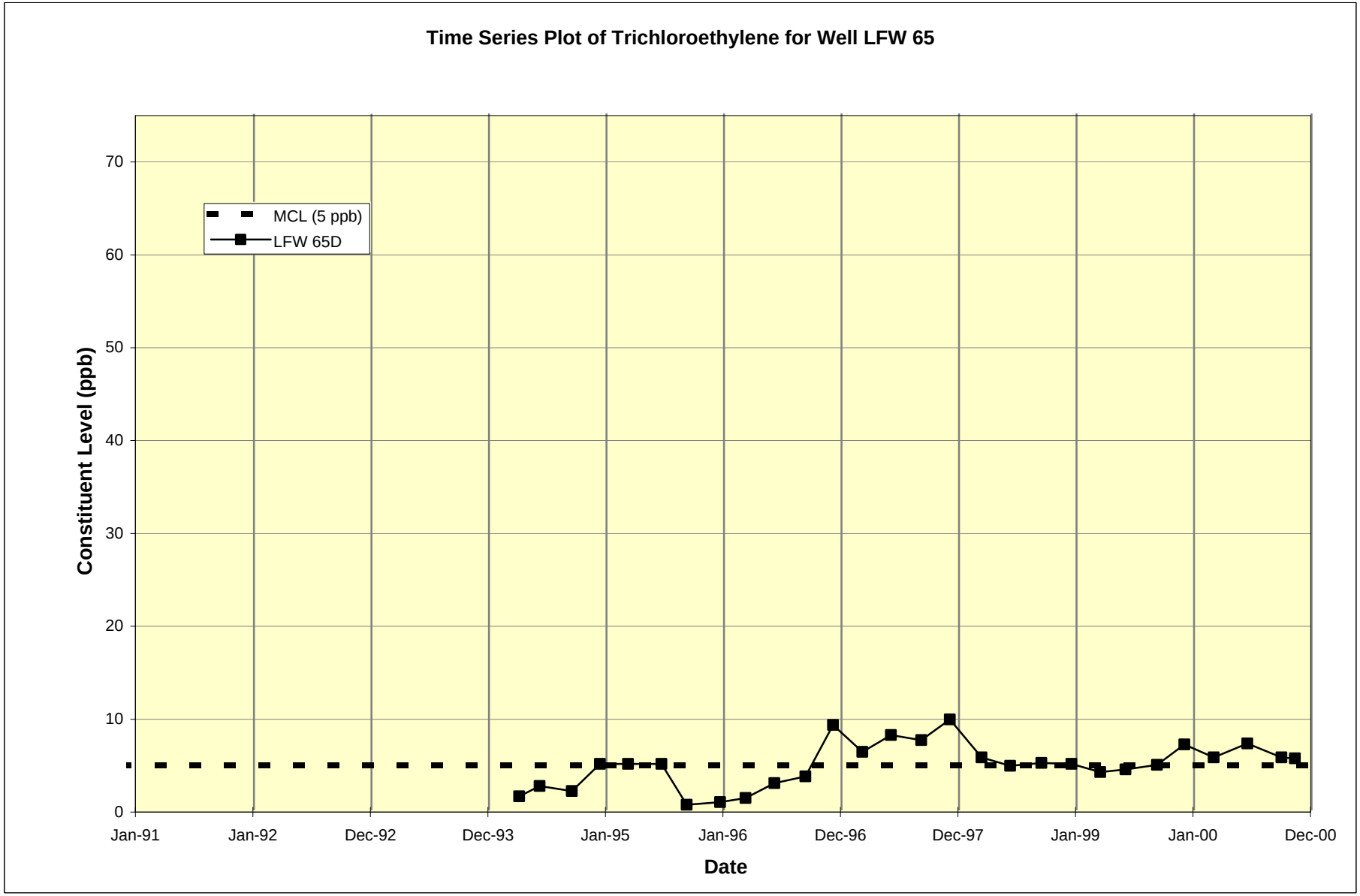

Time Series Plot of Trichloroethylene for Well LFW 58
MCL (5 ppb)
LFW 58D
Constituent Level (ppb)
0
10
20
30
40
50
60
70
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date

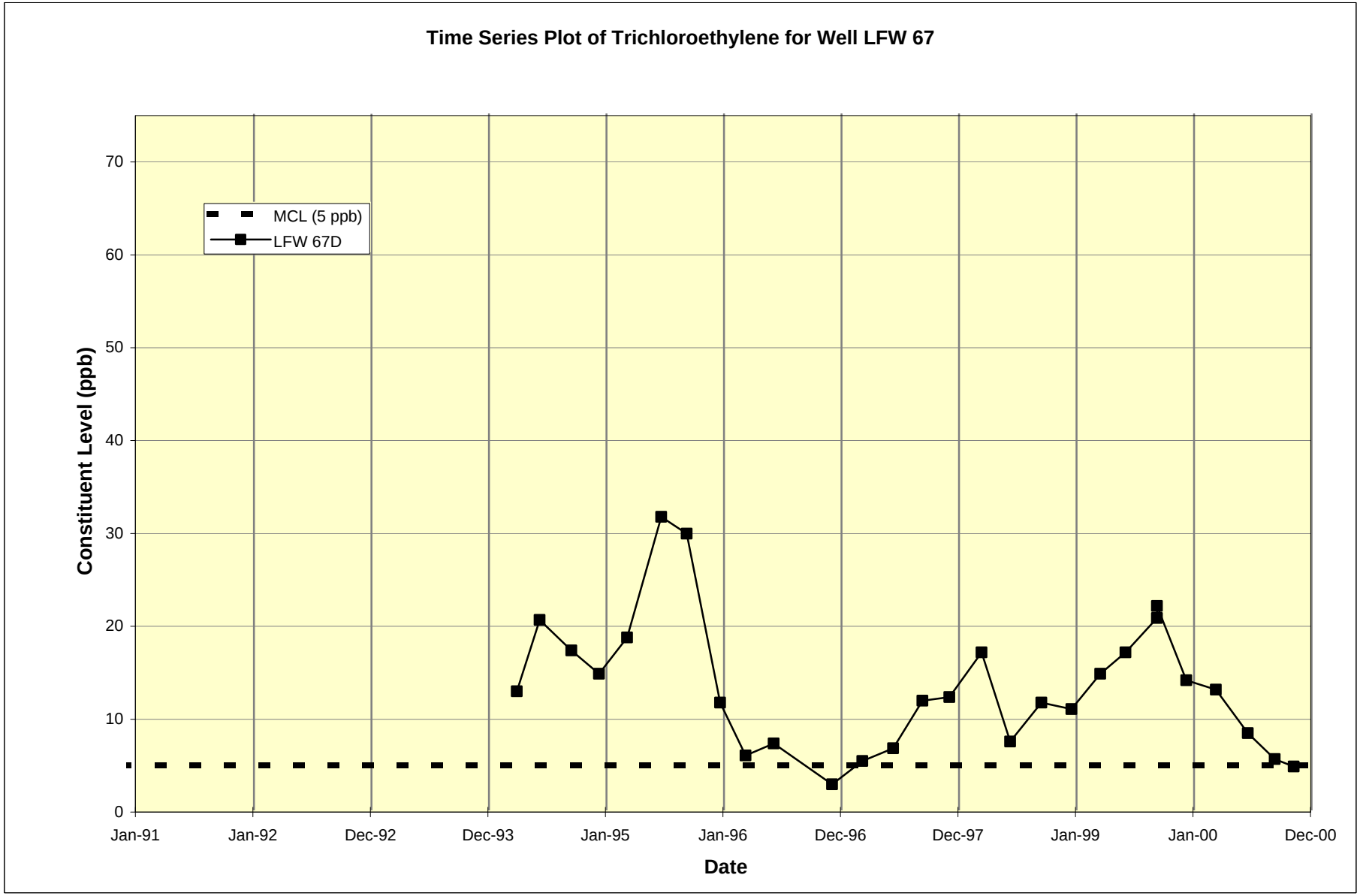

Time Series Plot of Trichloroethylene for Well LFW 59
MCL (5 ppb)
LFW 59D
Constituent Level (ppb)
0
10
20
30
40
50
60
70
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date

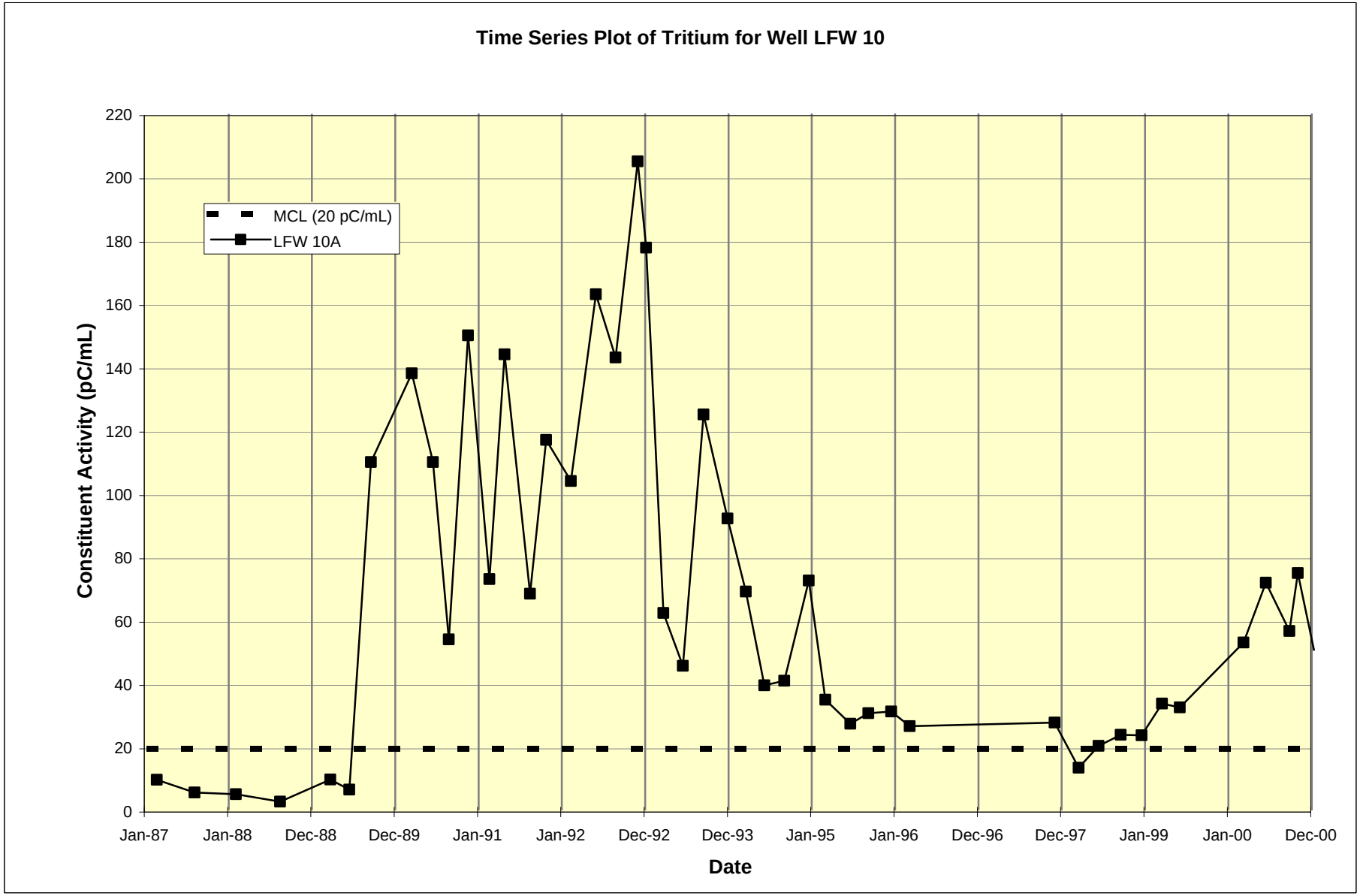

Time Series Plot of Trichloroethylene for Well LFW 60
MCL (5 ppb)
LFW 60D
Constituent Level (ppb)
0
10
20
30
40
50
60
70
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date


Time Series Plot of Trichloroethylene for Well LFW 61
MCL (5 ppb)
LFW 61D
Constituent Level (ppb)
0
10
20
30
40
50
60
70
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date


Time Series Plot of Trichloroethylene for Well LFW 62
MCL (5 ppb)
LFW 62D
Constituent Level (ppb)
0
10
20
30
40
50
60
70
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date


Time Series Plot of Trichloroethylene for Well LFW 65
MCL (5 ppb)
LFW 65D
Constituent Level (ppb)
0
10
20
30
40
50
60
70
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date


Time Series Plot of Trichloroethylene for Well LFW 67
MCL (5 ppb)
LFW 67D
Constituent Level (ppb)
0
10
20
30
40
50
60
70
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date


Time Series Plot of Tritium for Well LFW 10
MCL (20 pC/mL)
LFW 10A
Constituent Activity (pC/mL)
0
20
40
60
80
100
120
140
160
180
200
220
Jan-87
Jan-88
Dec-88
Dec-89
Jan-91
Jan-92
Dec-92
Dec-93
Jan-95
Jan-96
Dec-96
Dec-97
Jan-99
Jan-00
Dec-00
Date

Appendix F

Hydrographs

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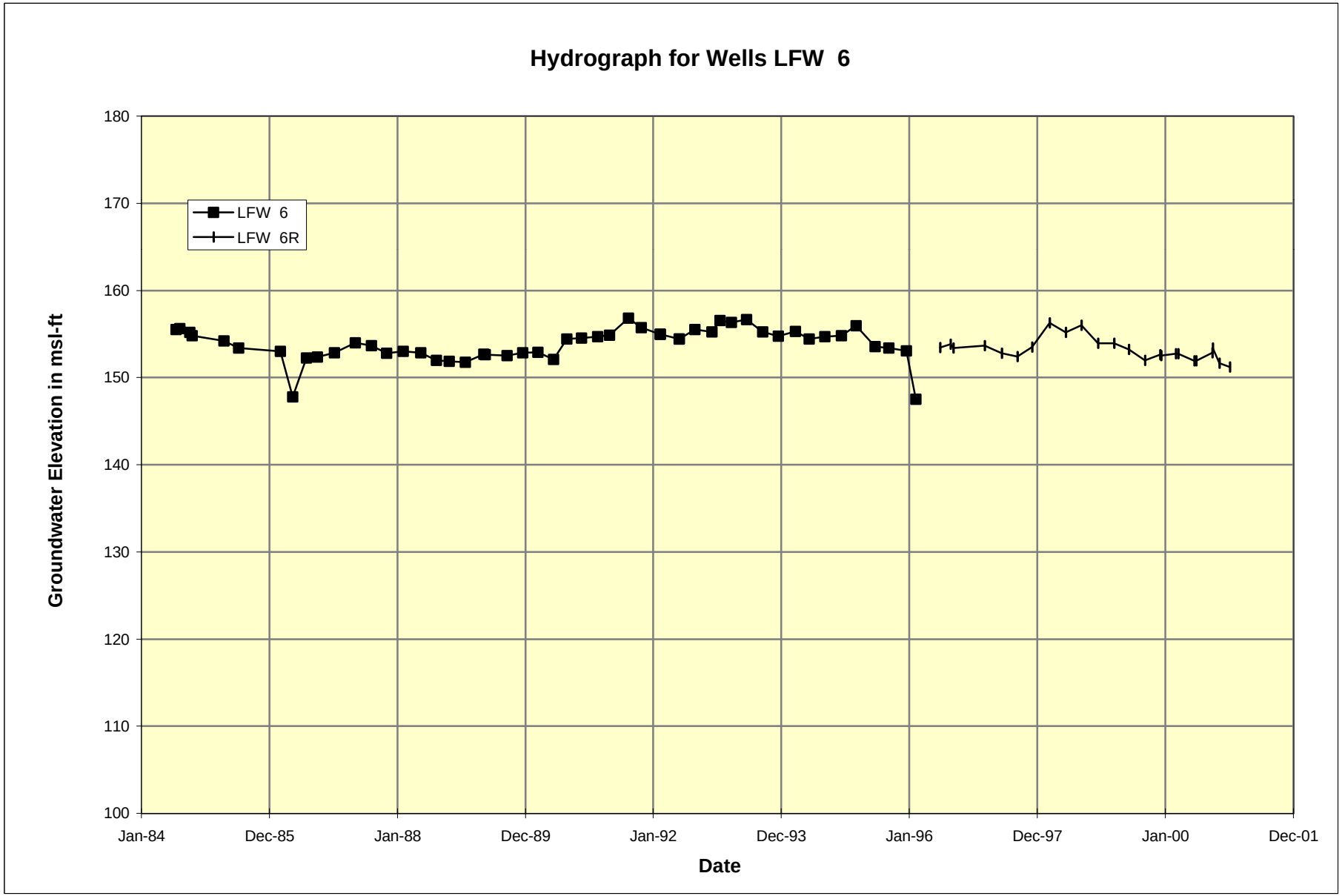
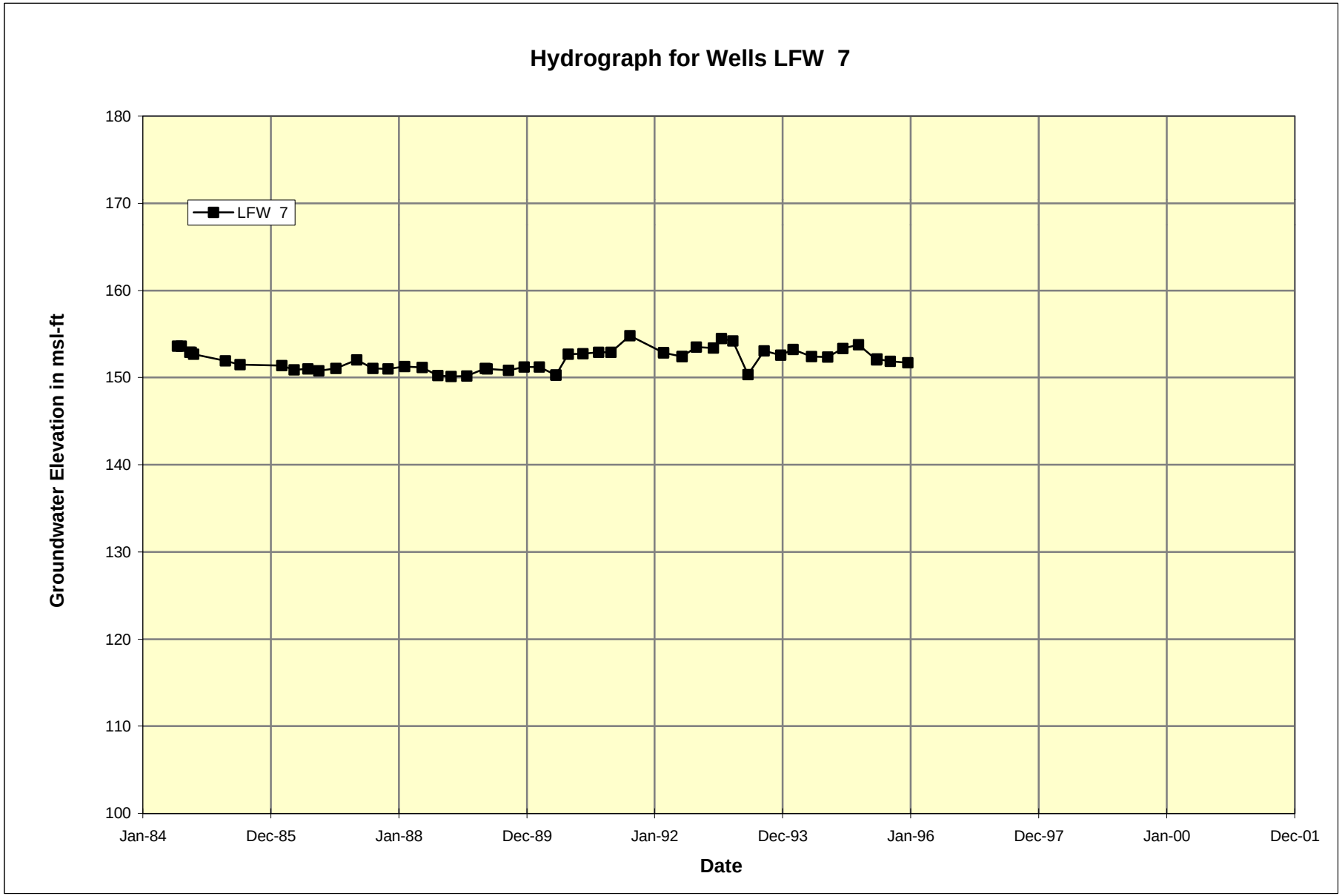

Hydrograph for Wells LFW 6
LFW 6
LFW 6R
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 7
LFW 7
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
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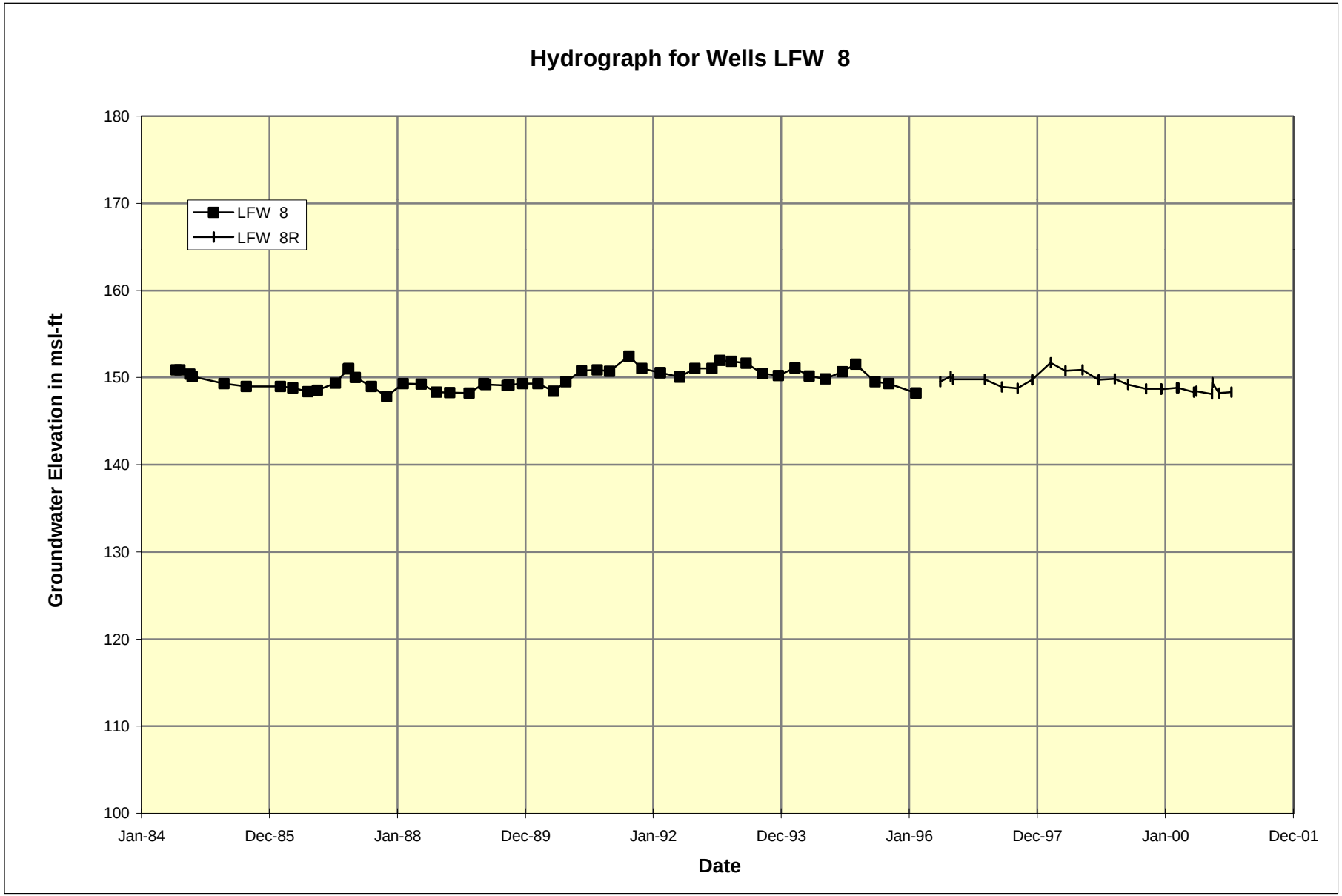
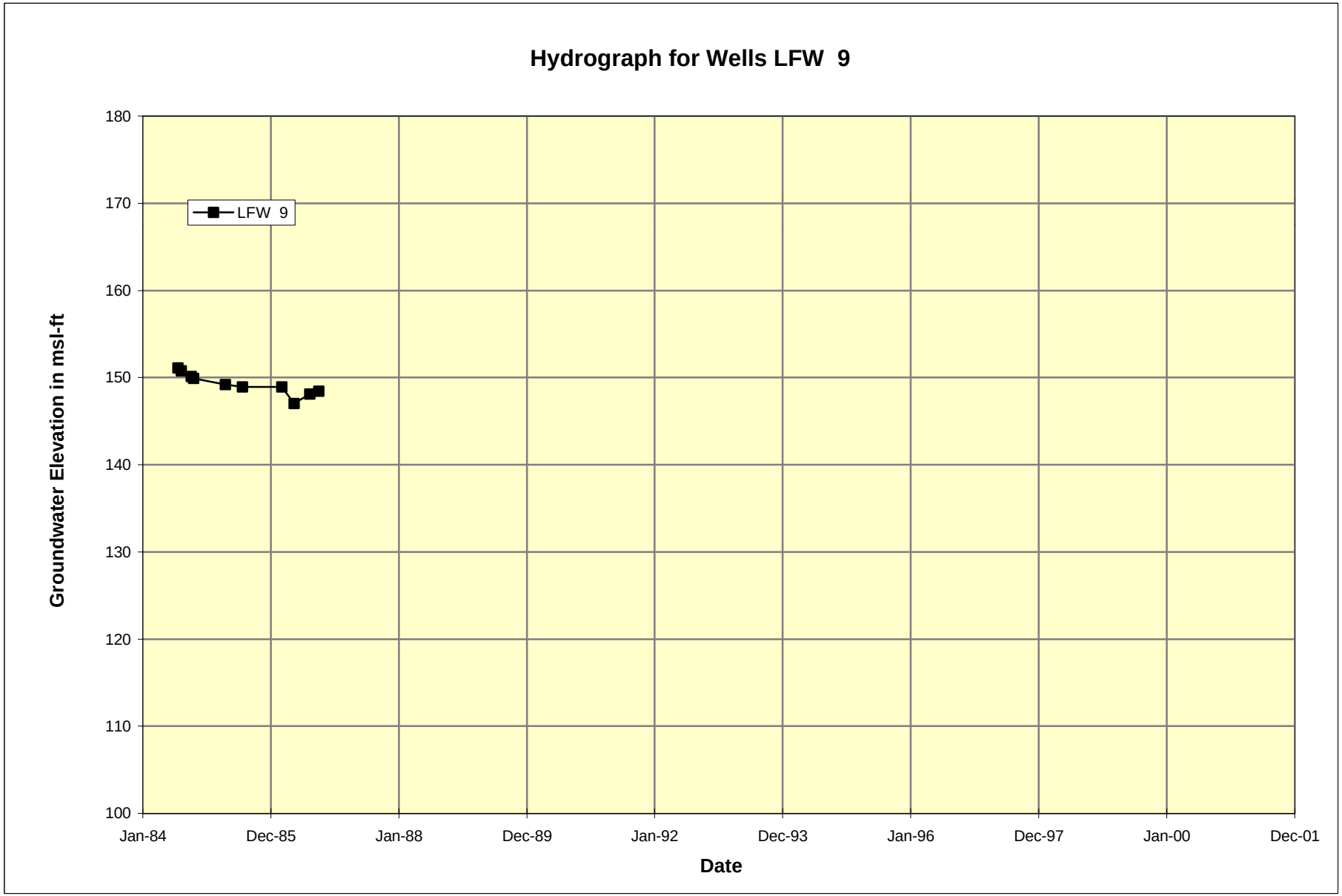
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 8
LFW 8
LFW 8R
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 9
LFW 9
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
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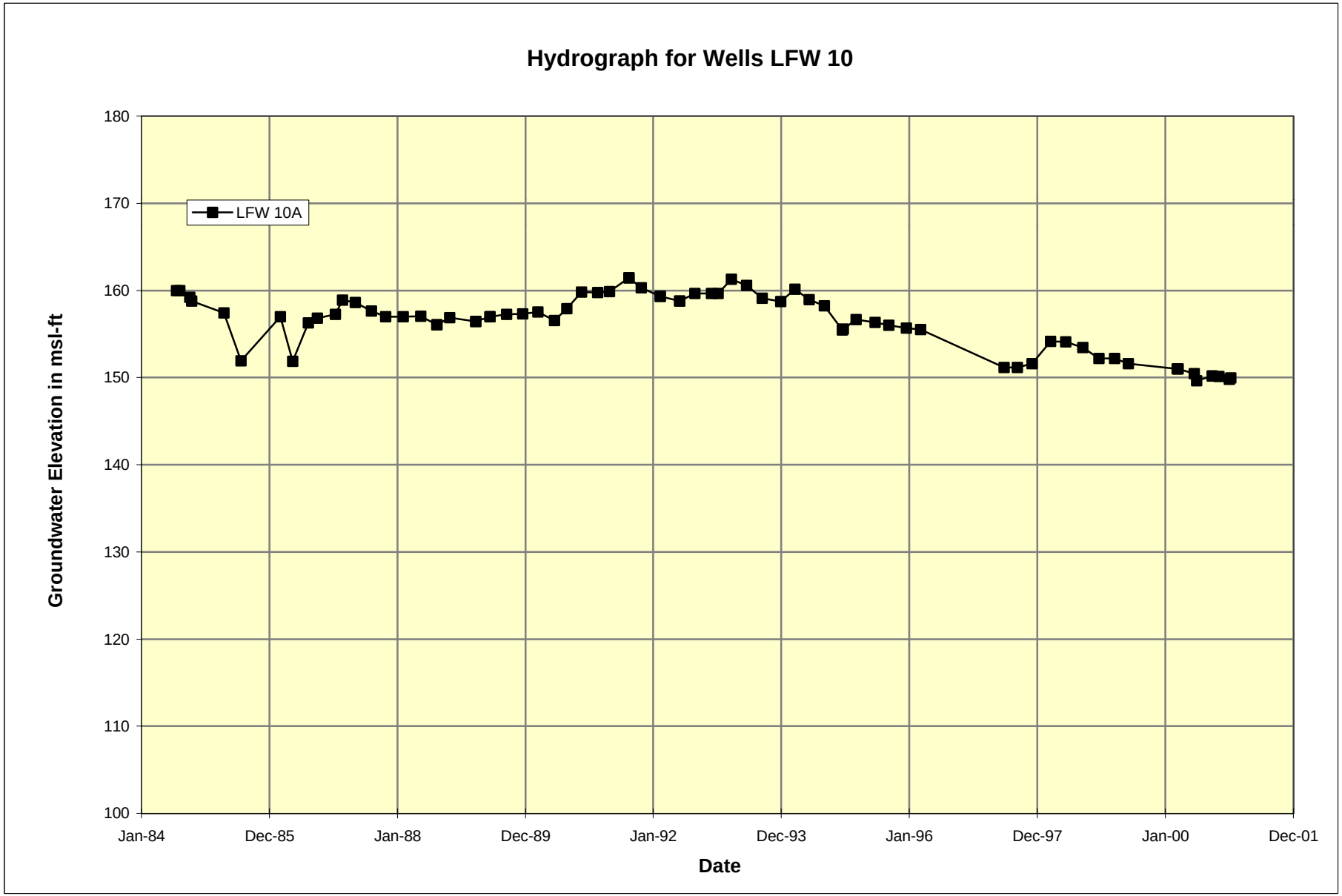
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 10
LFW 10A
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
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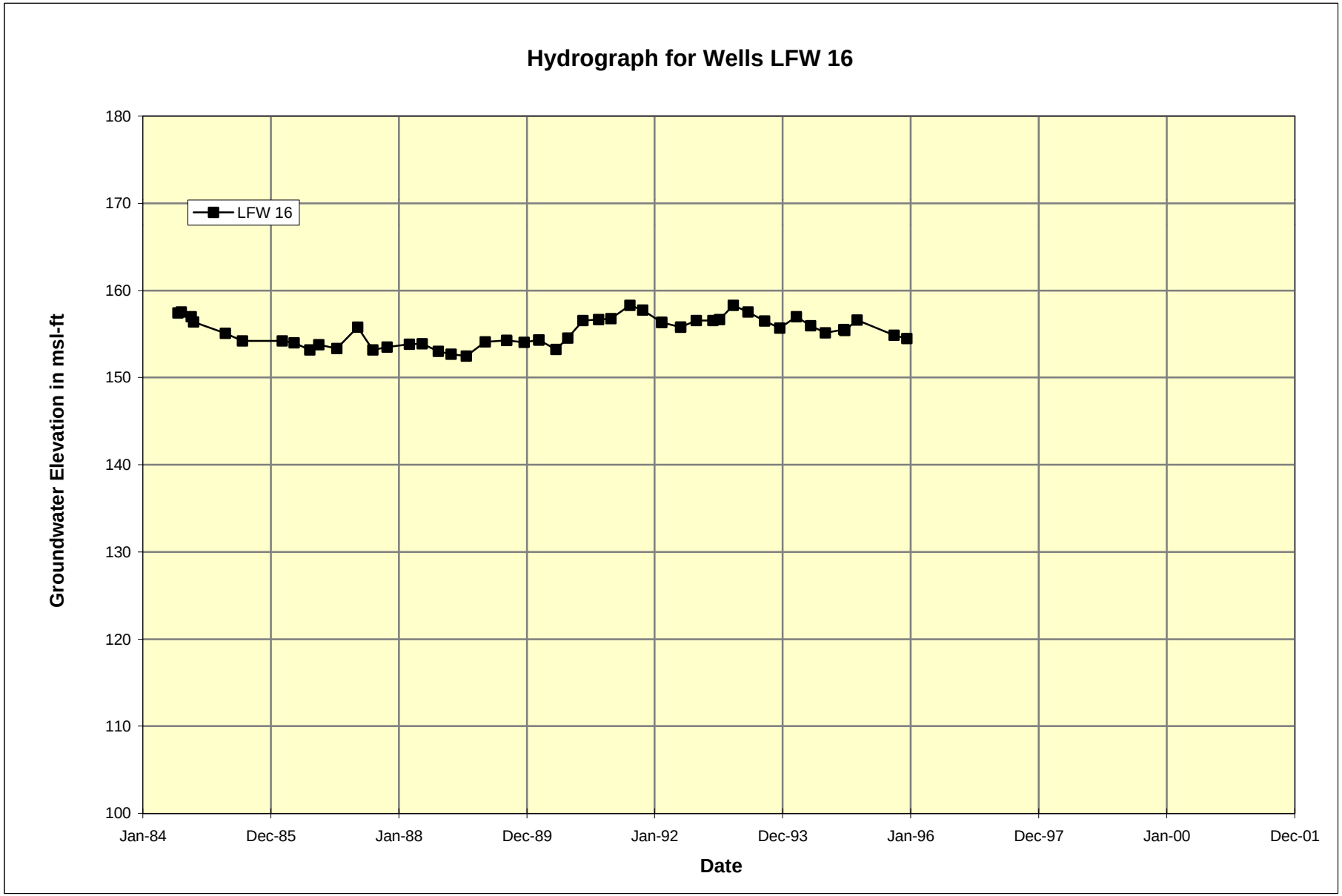
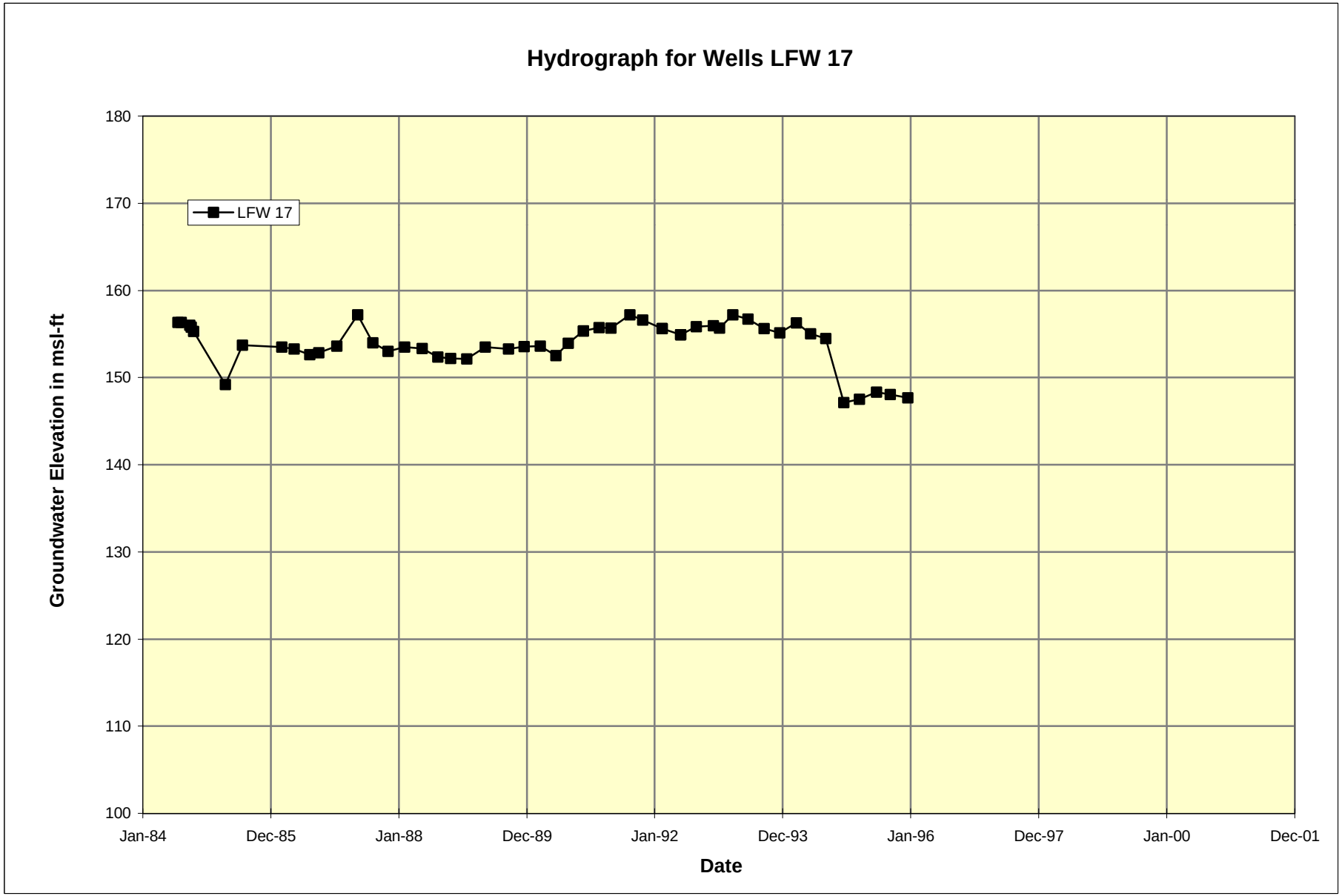
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 16
LFW 16
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 17
LFW 17
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
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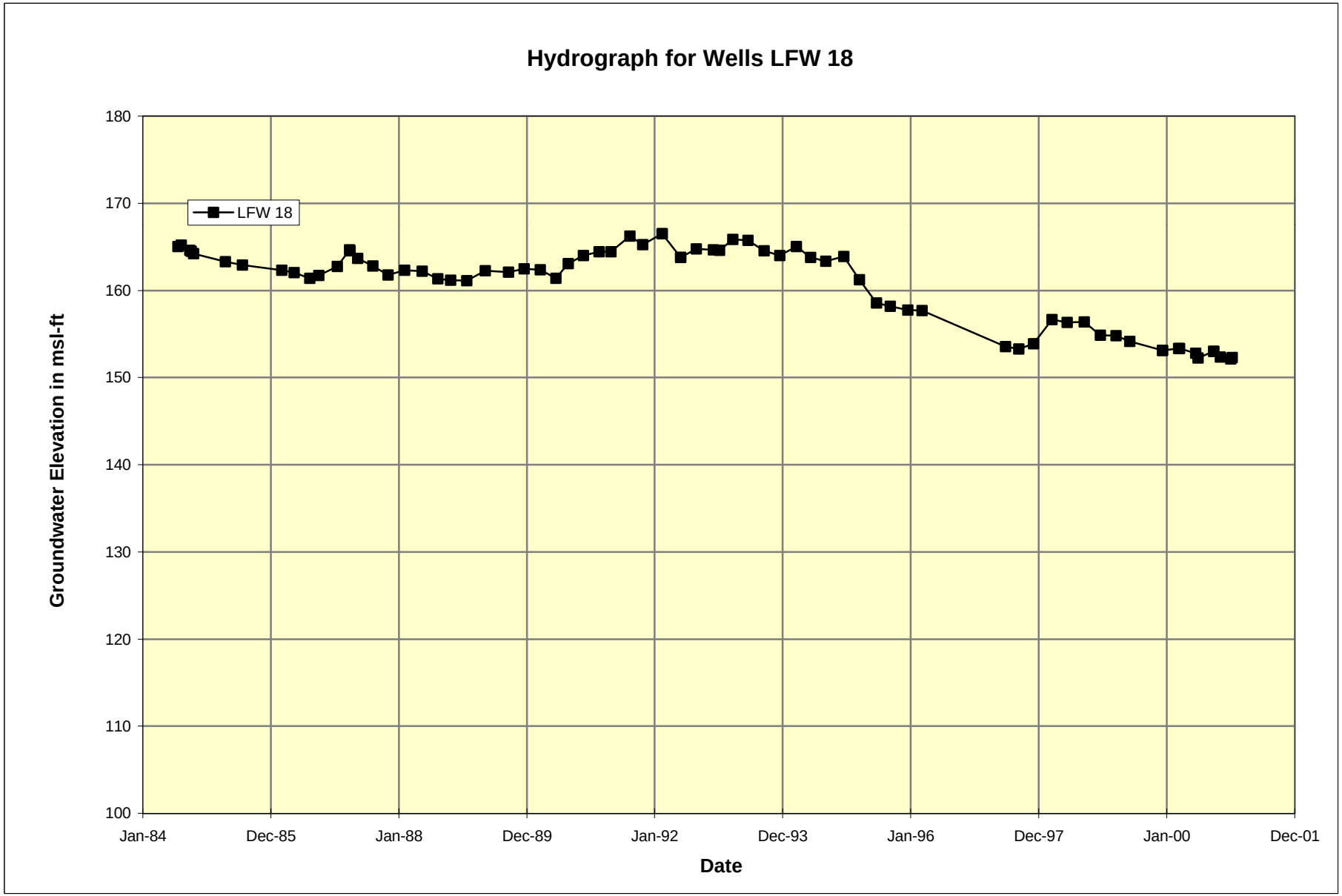
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 18
LFW 18
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
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Dec-97
Jan-00
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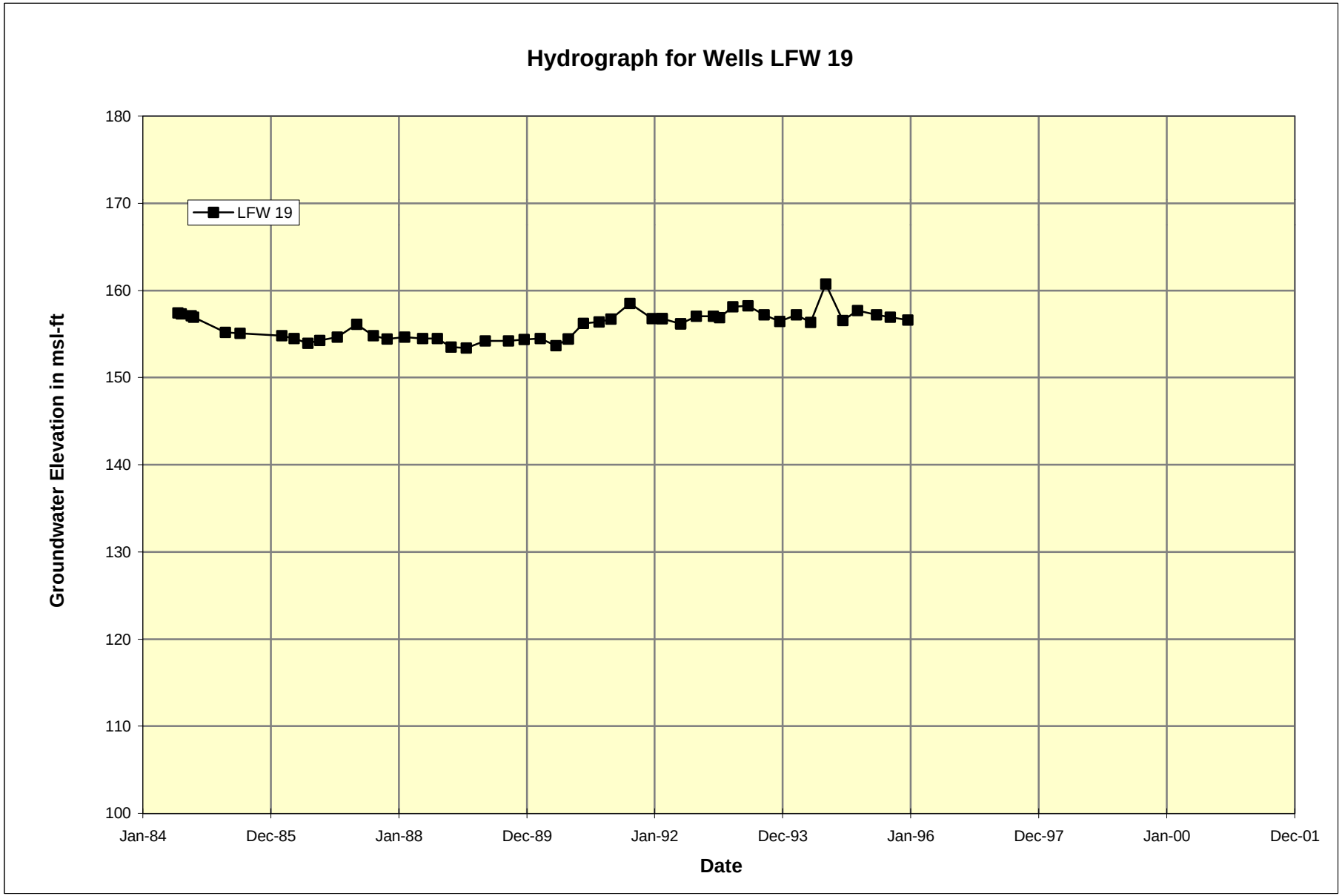
Date


Hydrograph for Wells LFW 19
LFW 19
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
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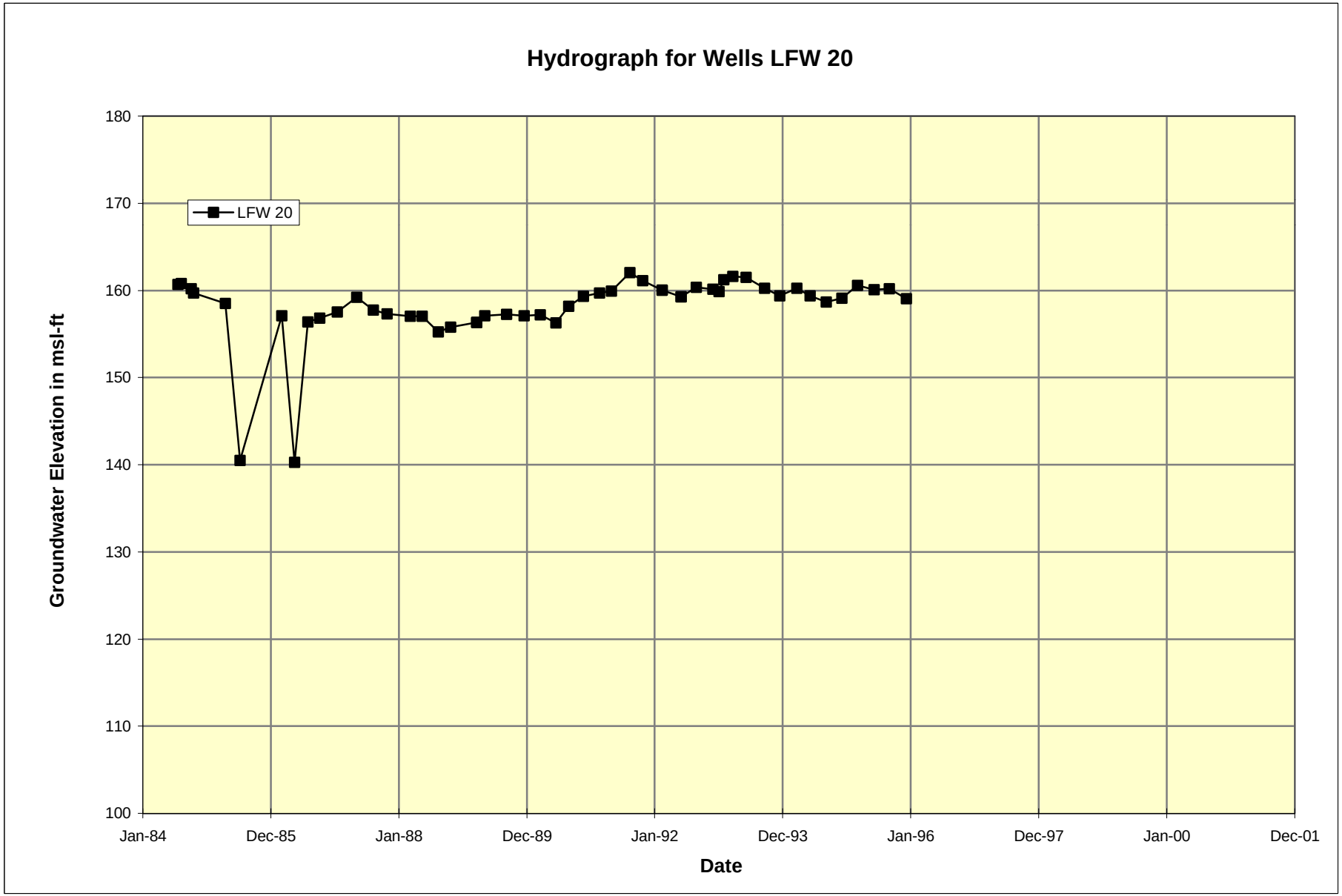
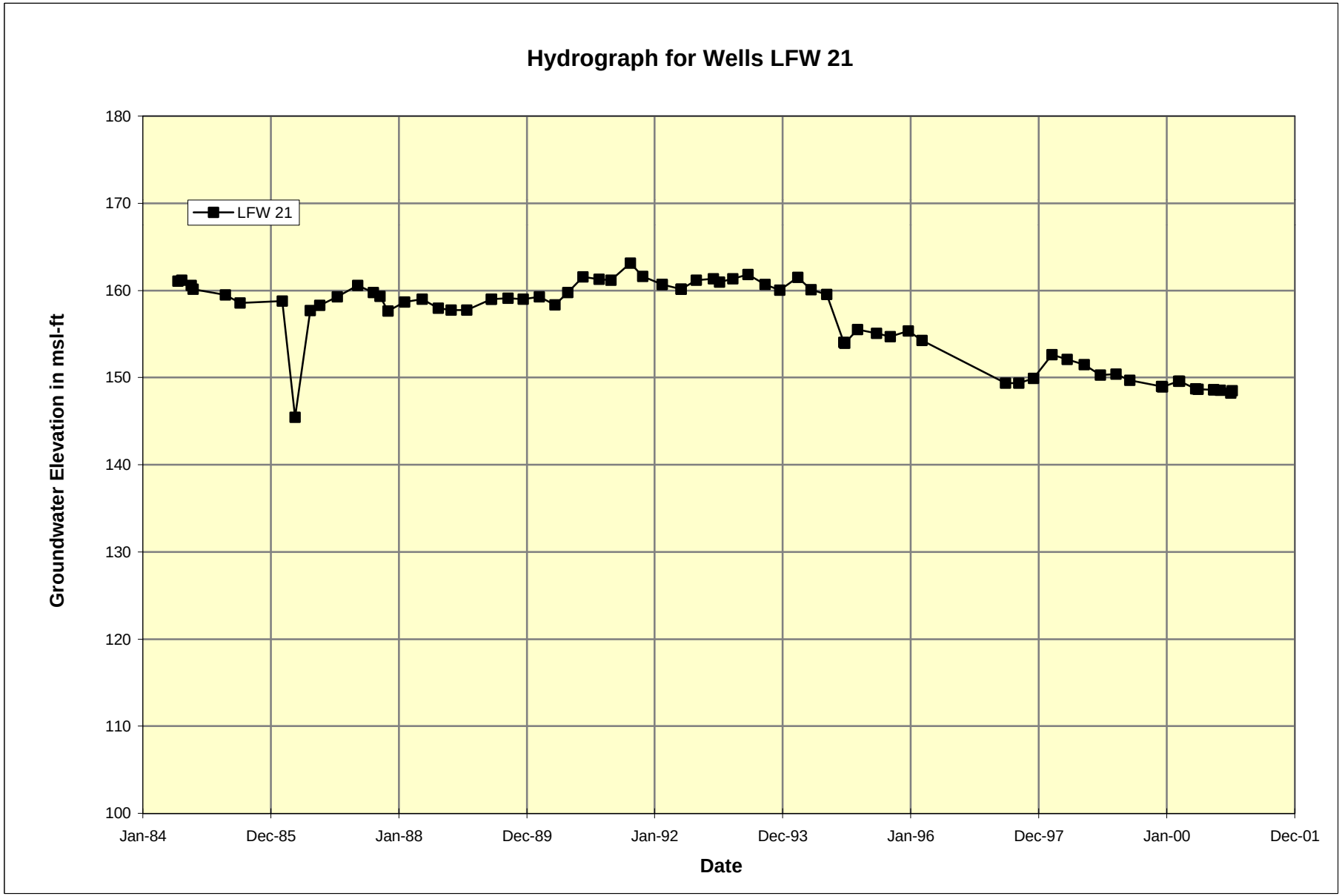
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 20
LFW 20
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 21
LFW 21
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
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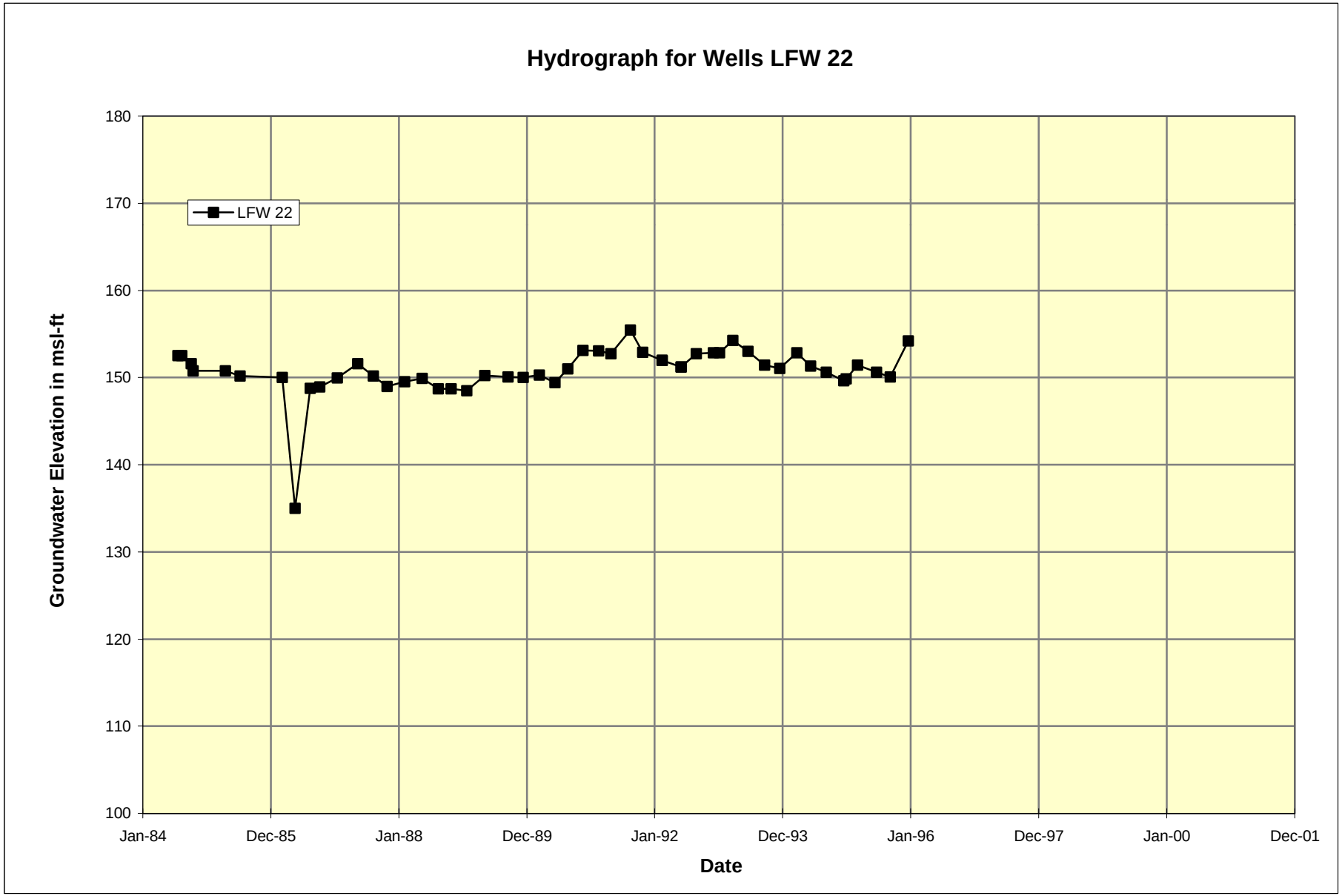
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 22
LFW 22
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
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100
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Dec-85
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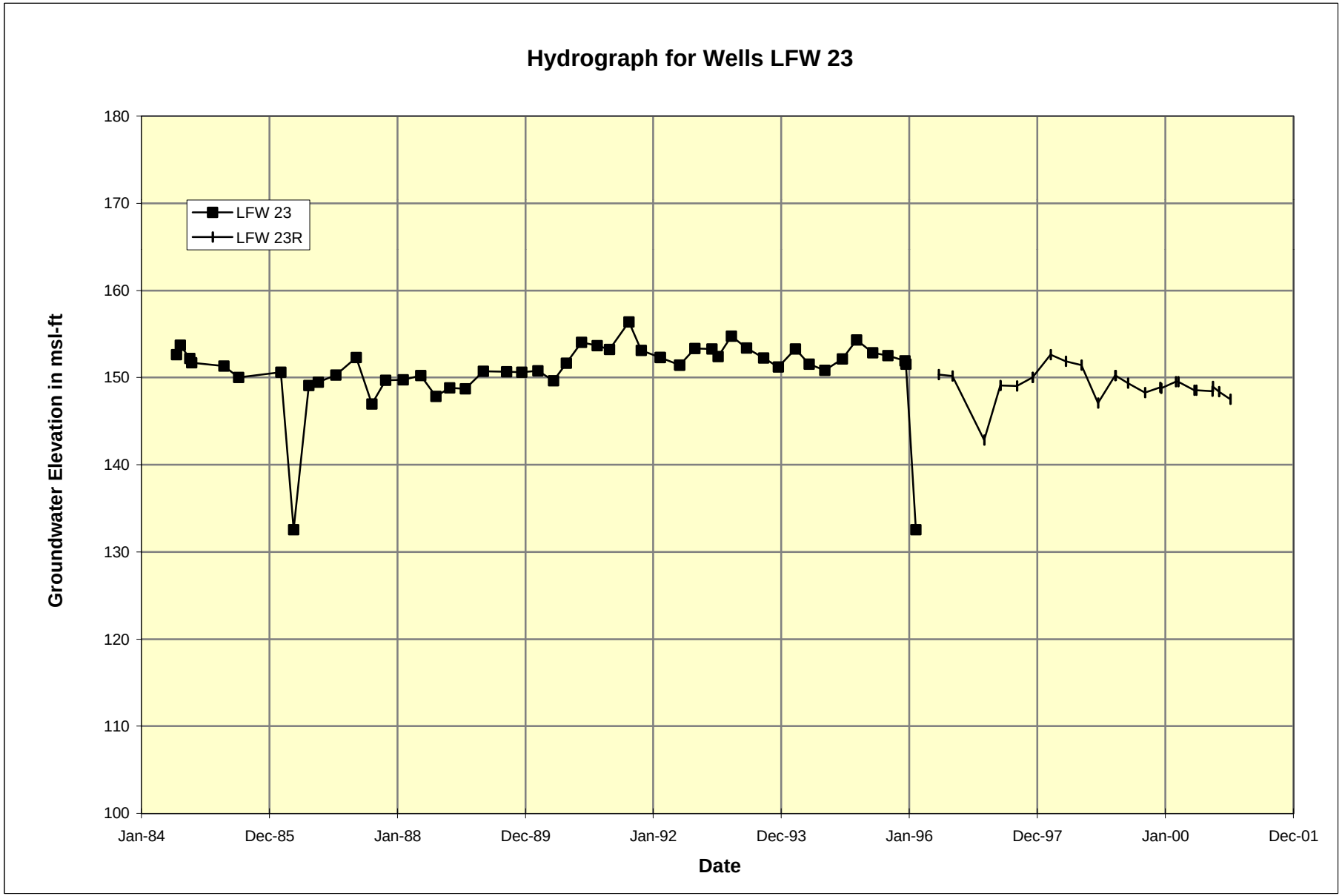
Hydrograph for Wells LFW 23
LFW 23
LFW 23R
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
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Dec-93
Jan-96
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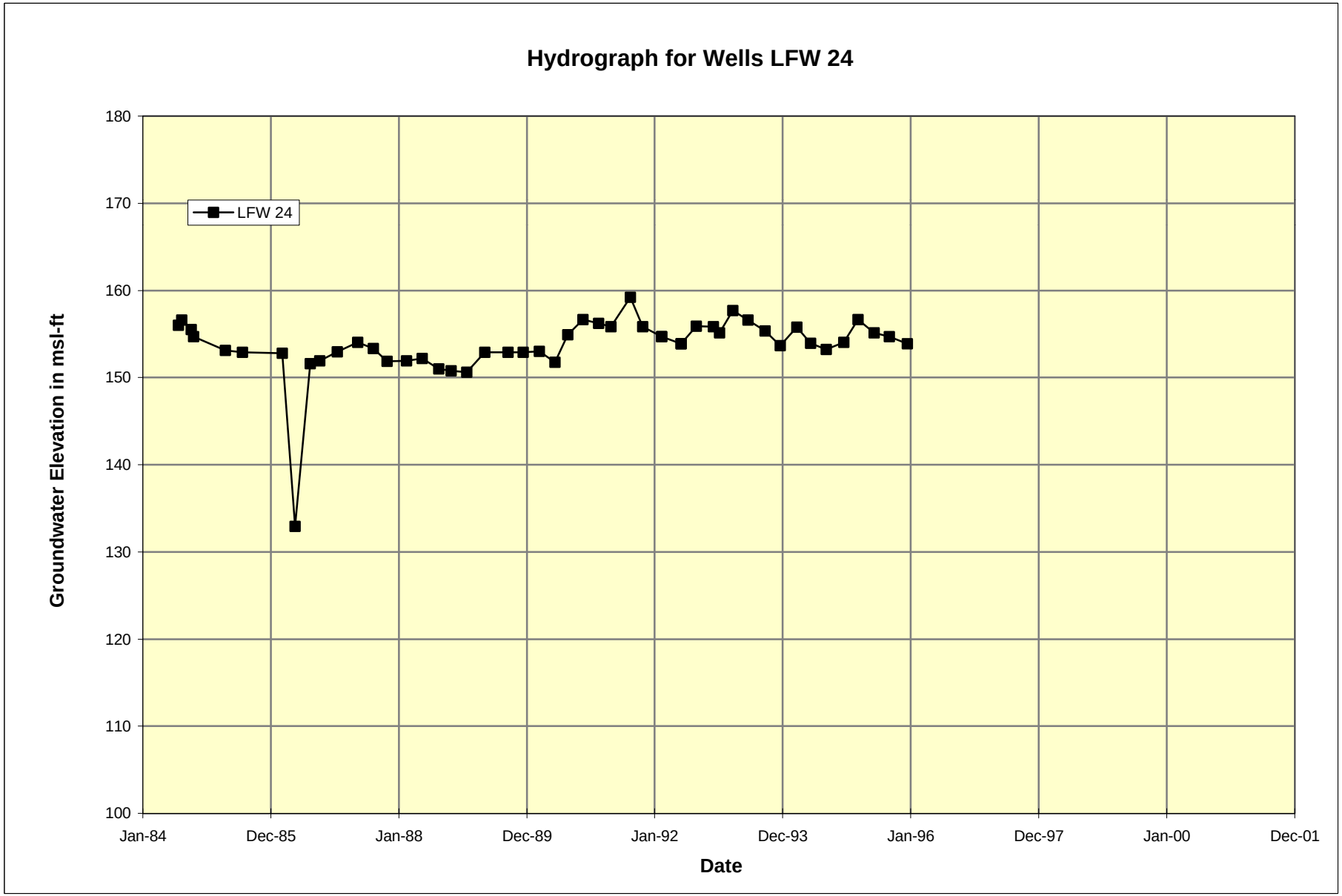
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 24
LFW 24
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
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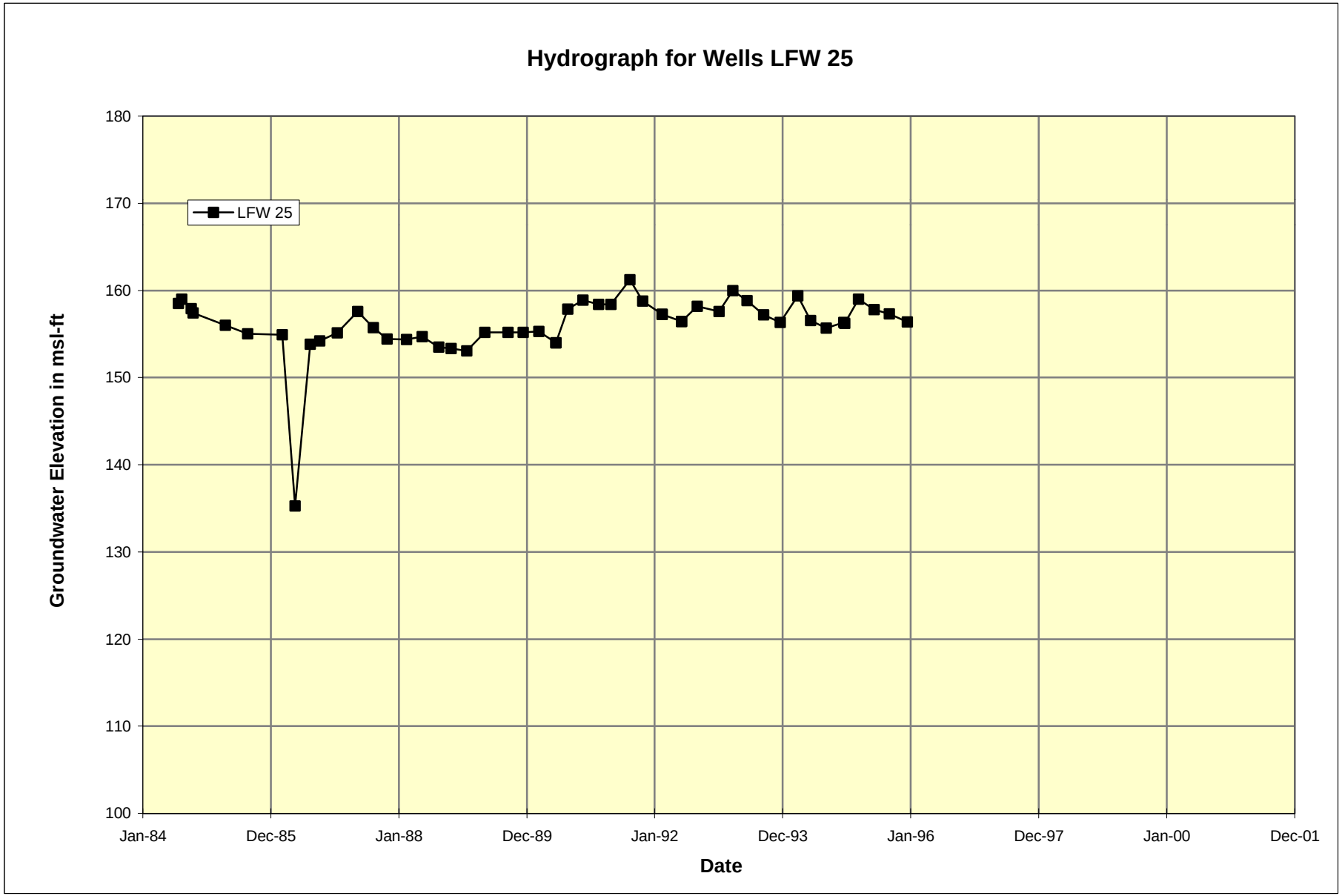
Date


Hydrograph for Wells LFW 25
LFW 25
Groundwater Elevation in msl-ft
180
170
160
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140
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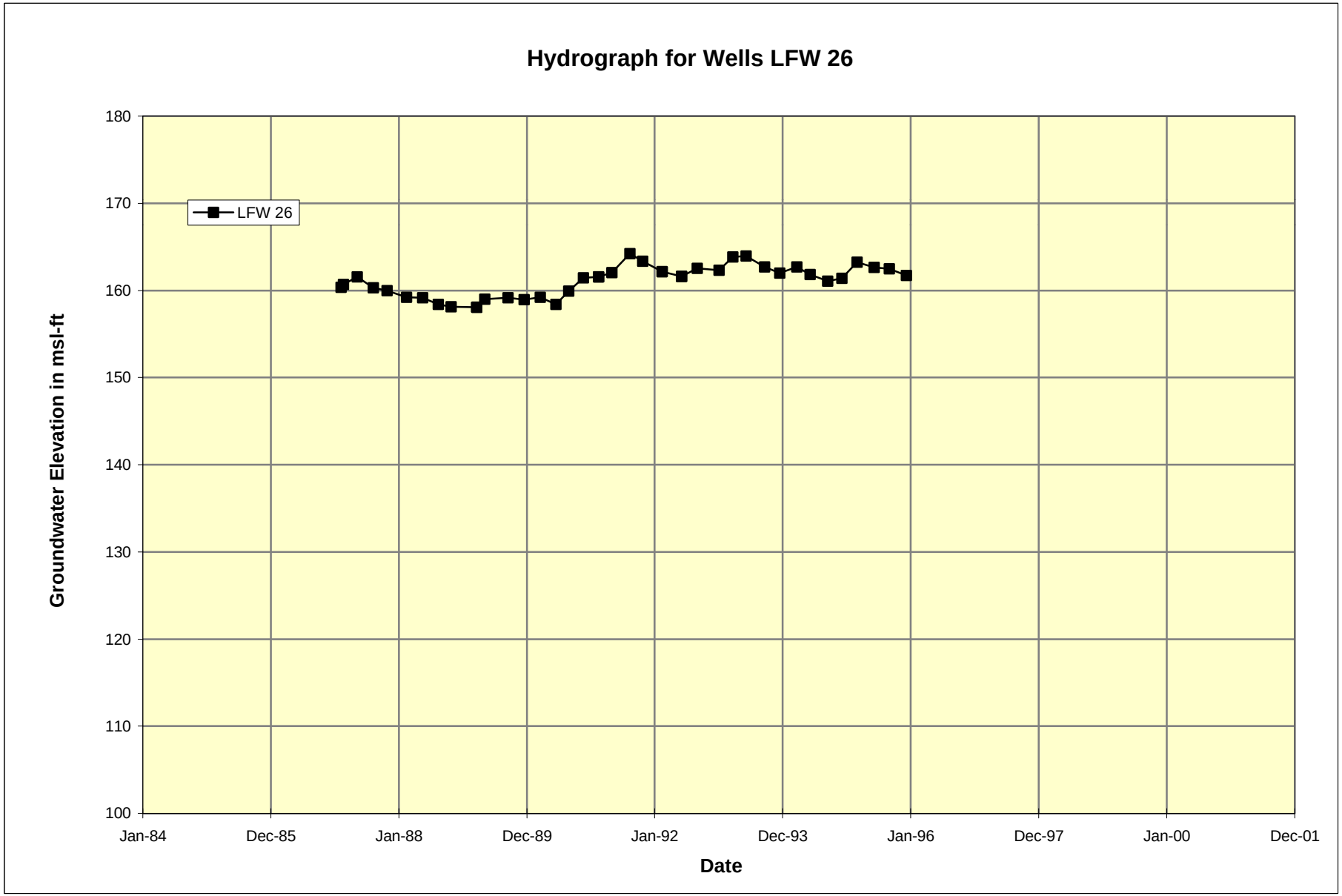
Hydrograph for Wells LFW 26
LFW 26
Groundwater Elevation in msl-ft
180
170
160
150
140
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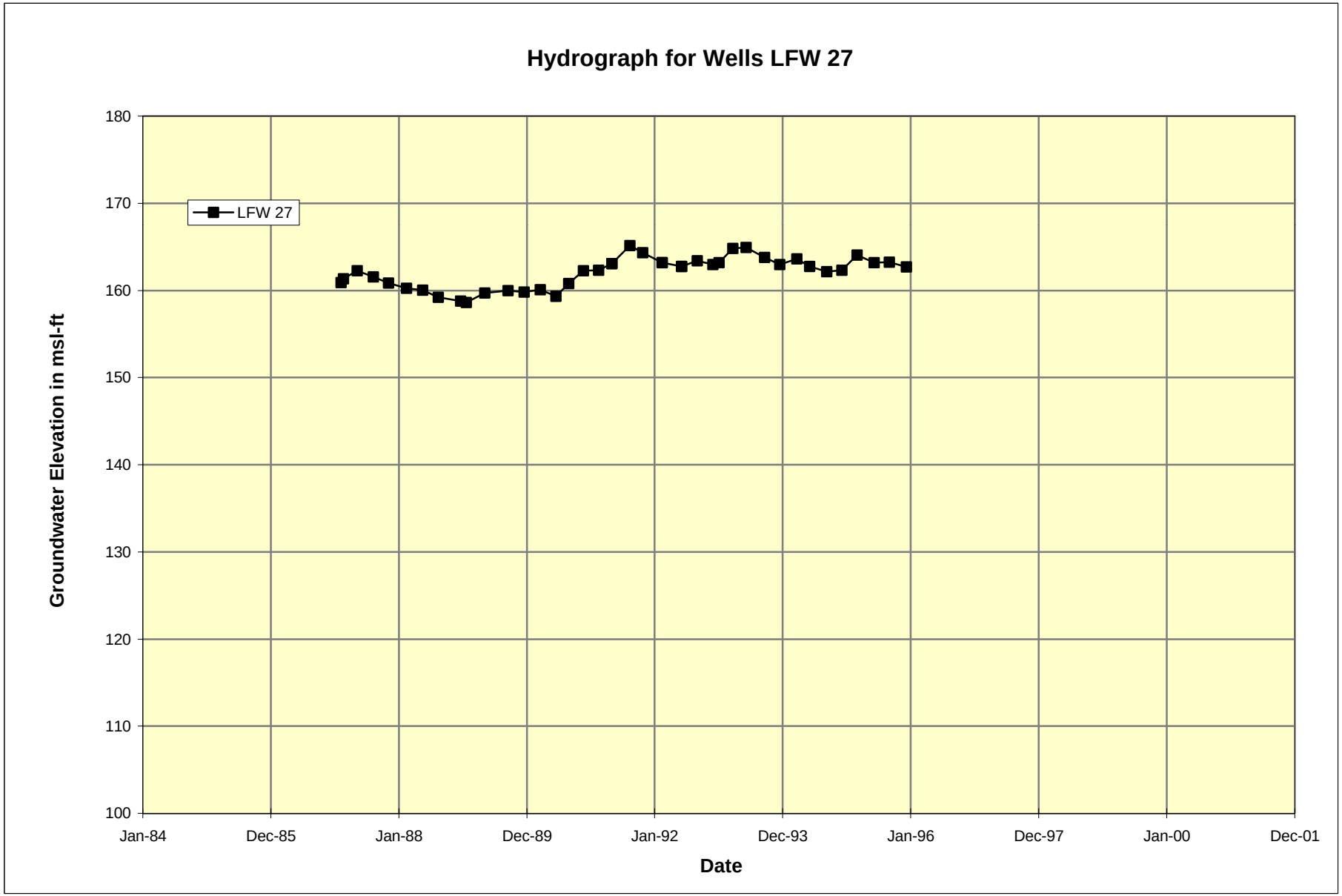
Hydrograph for Wells LFW 27
LFW 27
Groundwater Elevation in msl-ft
180
170
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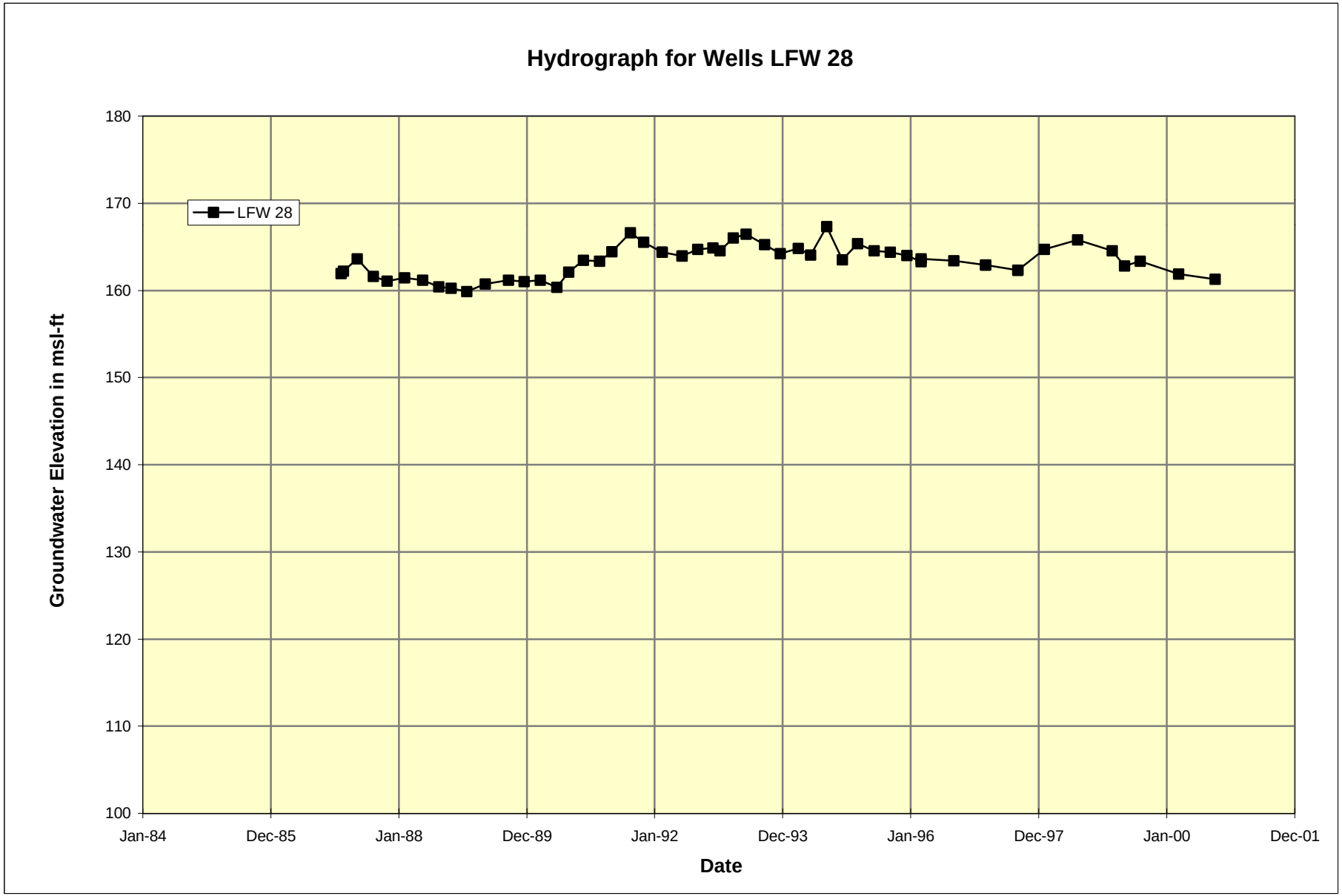
Dec-01
Date


Hydrograph for Wells LFW 28
LFW 28
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
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Dec-85
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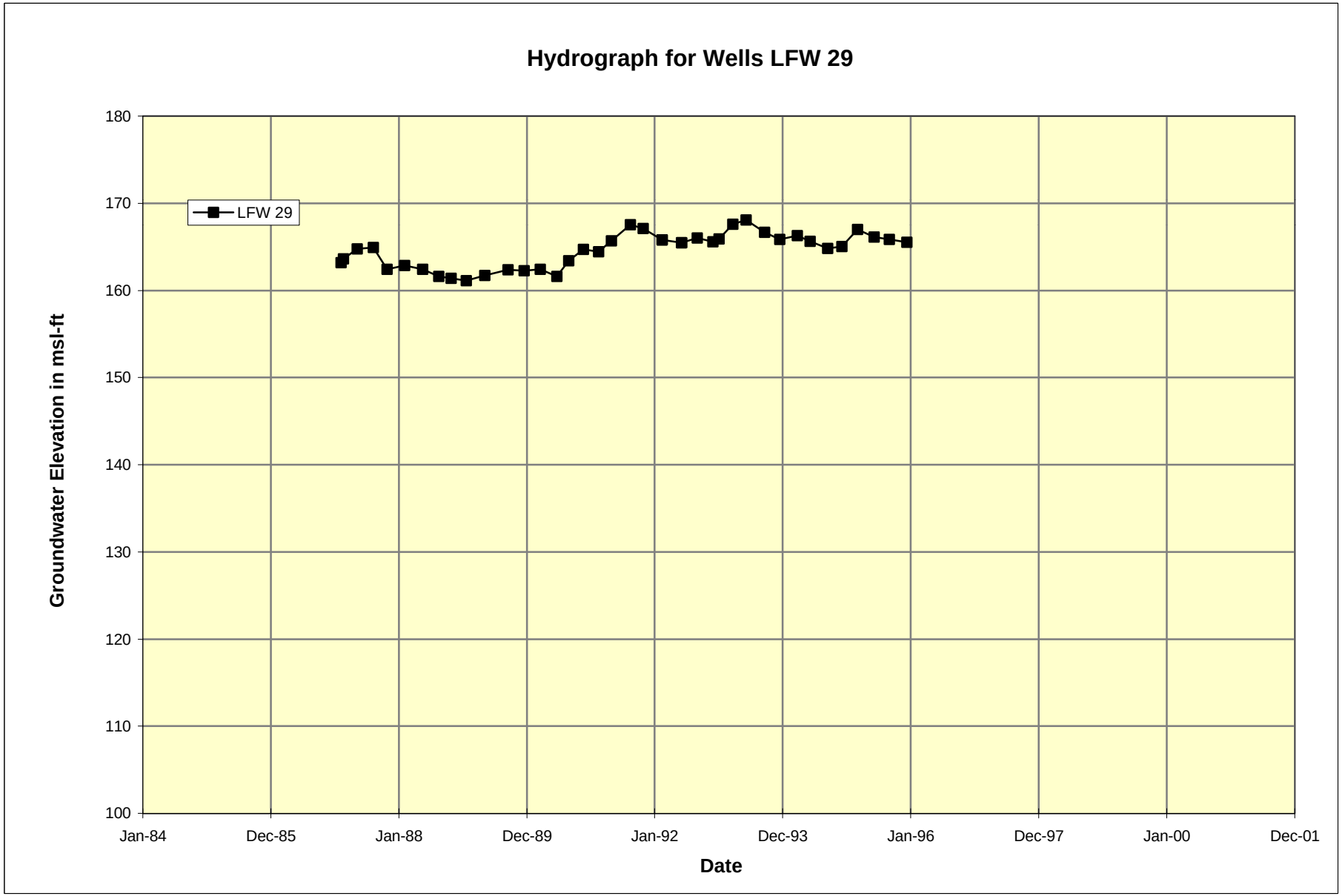
Date


Hydrograph for Wells LFW 29
LFW 29
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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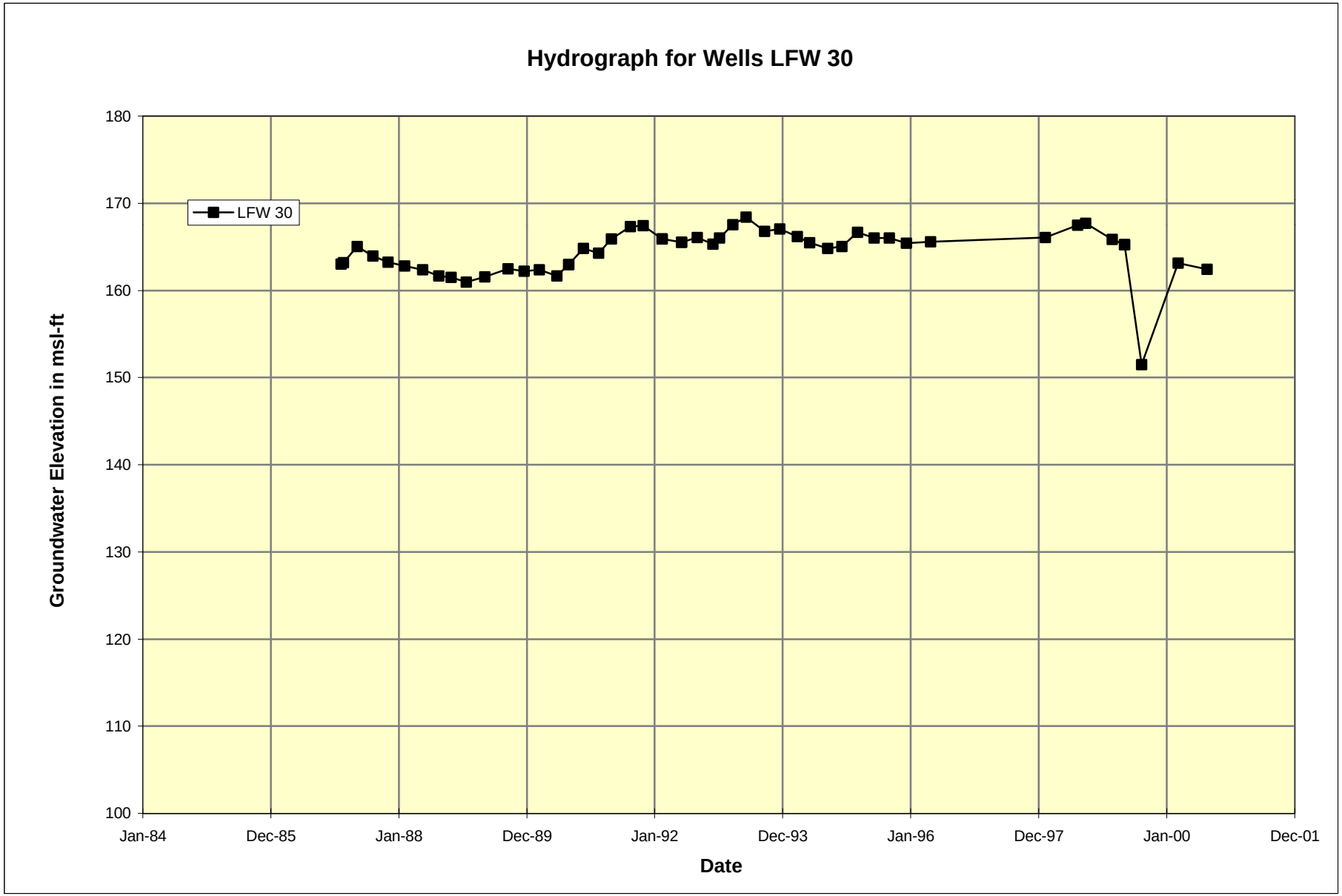
Hydrograph for Wells LFW 30
LFW 30
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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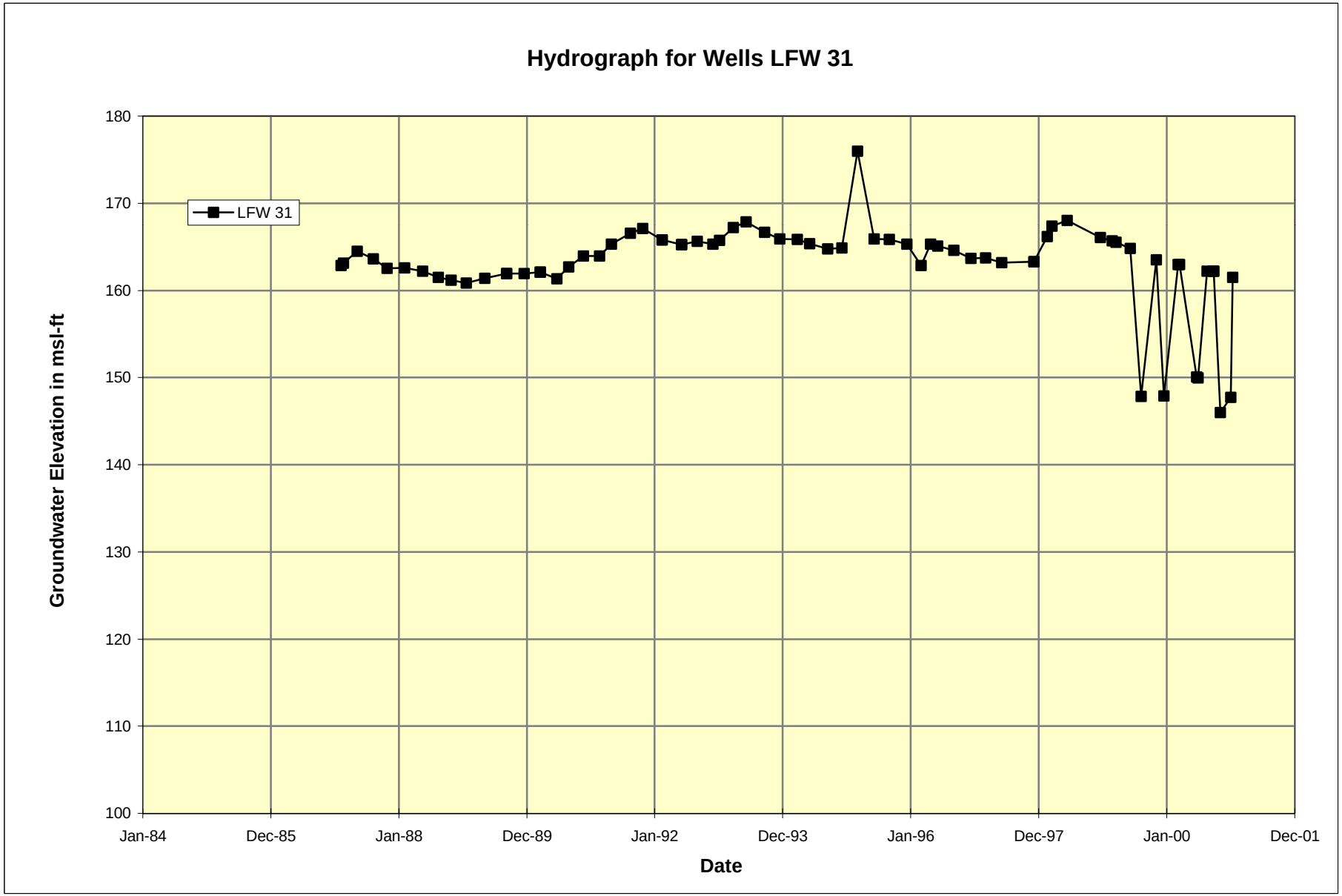
Date


Hydrograph for Wells LFW 31
LFW 31
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
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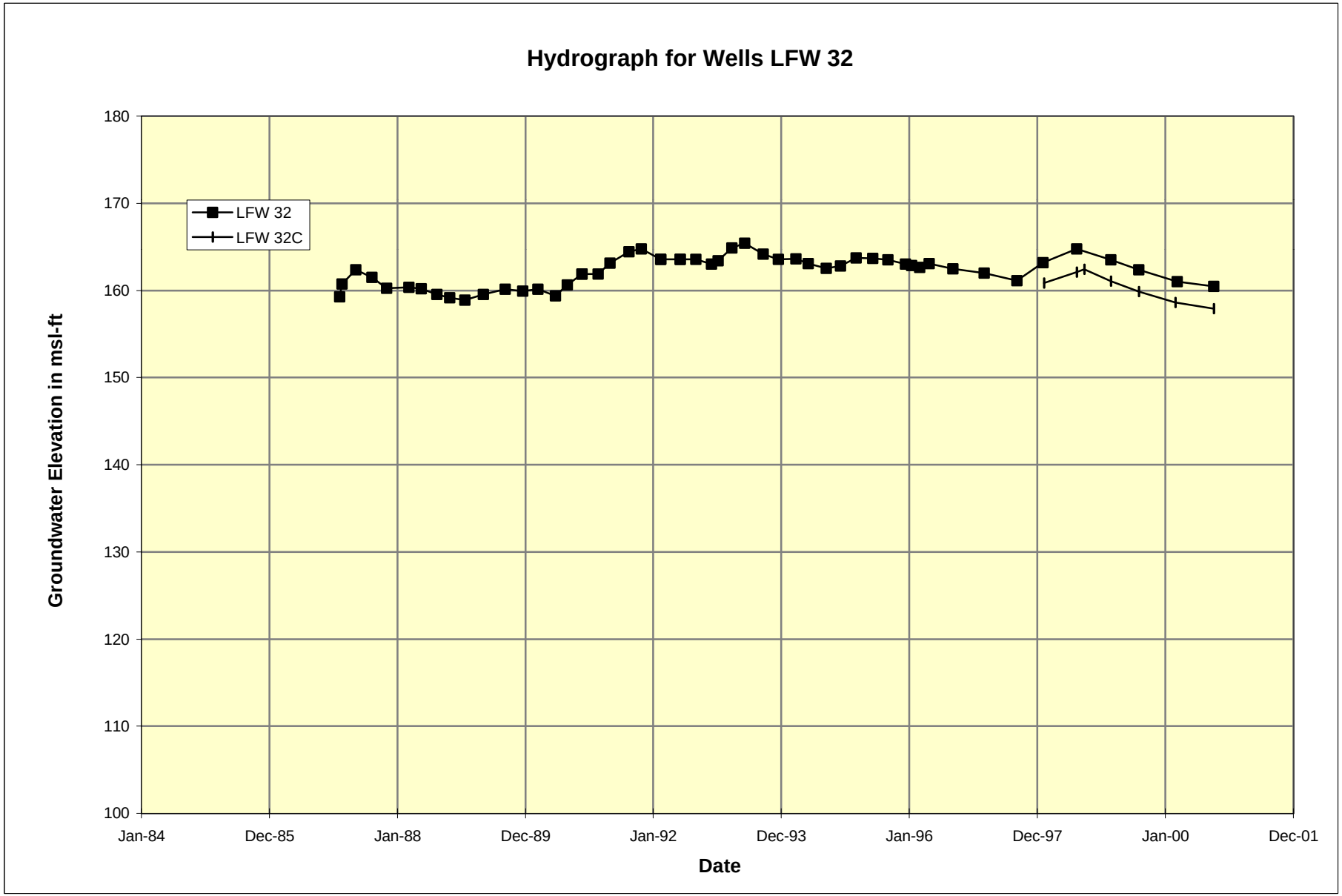
Date


Hydrograph for Wells LFW 32
LFW 32
LFW 32C
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
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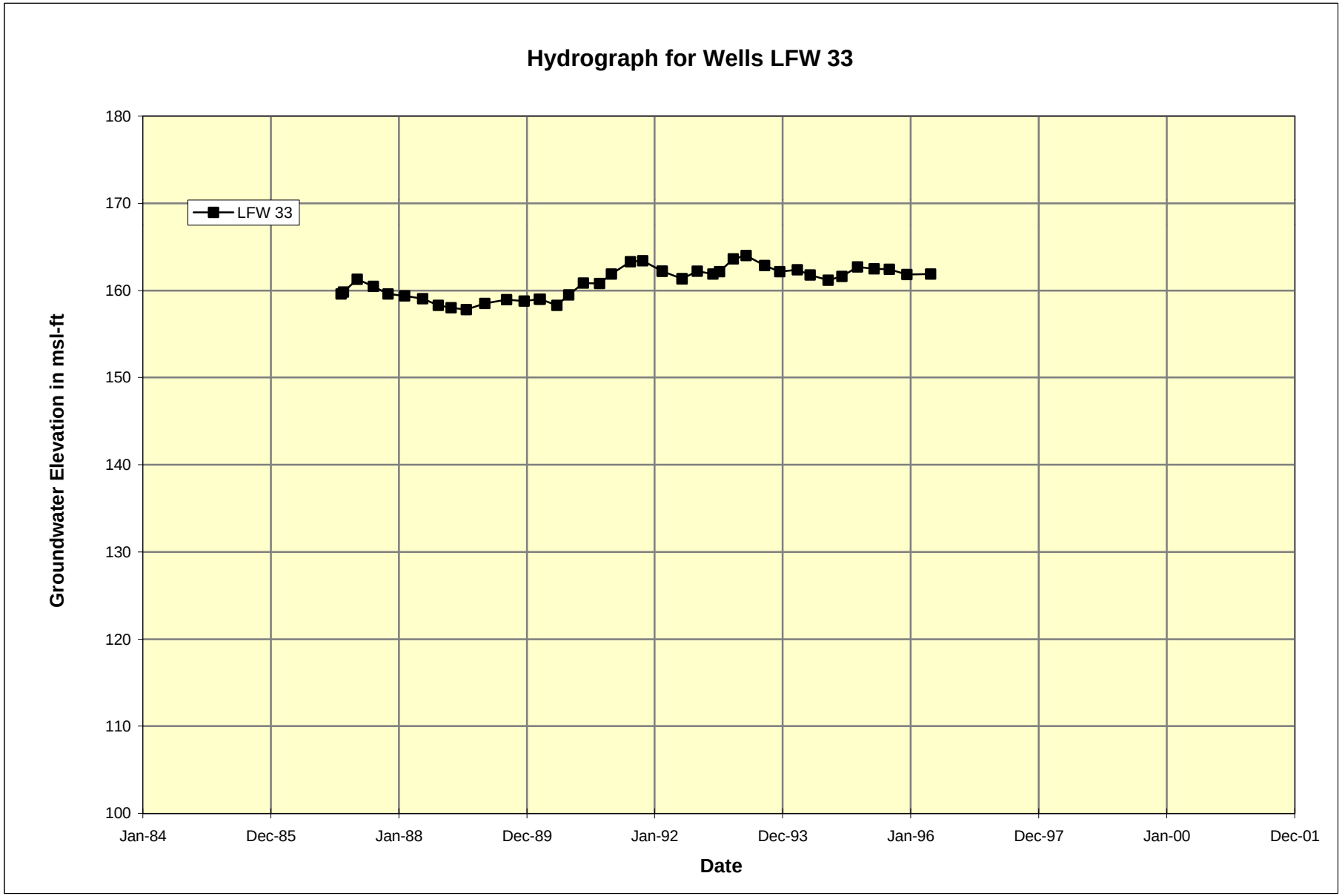
Hydrograph for Wells LFW 33
LFW 33
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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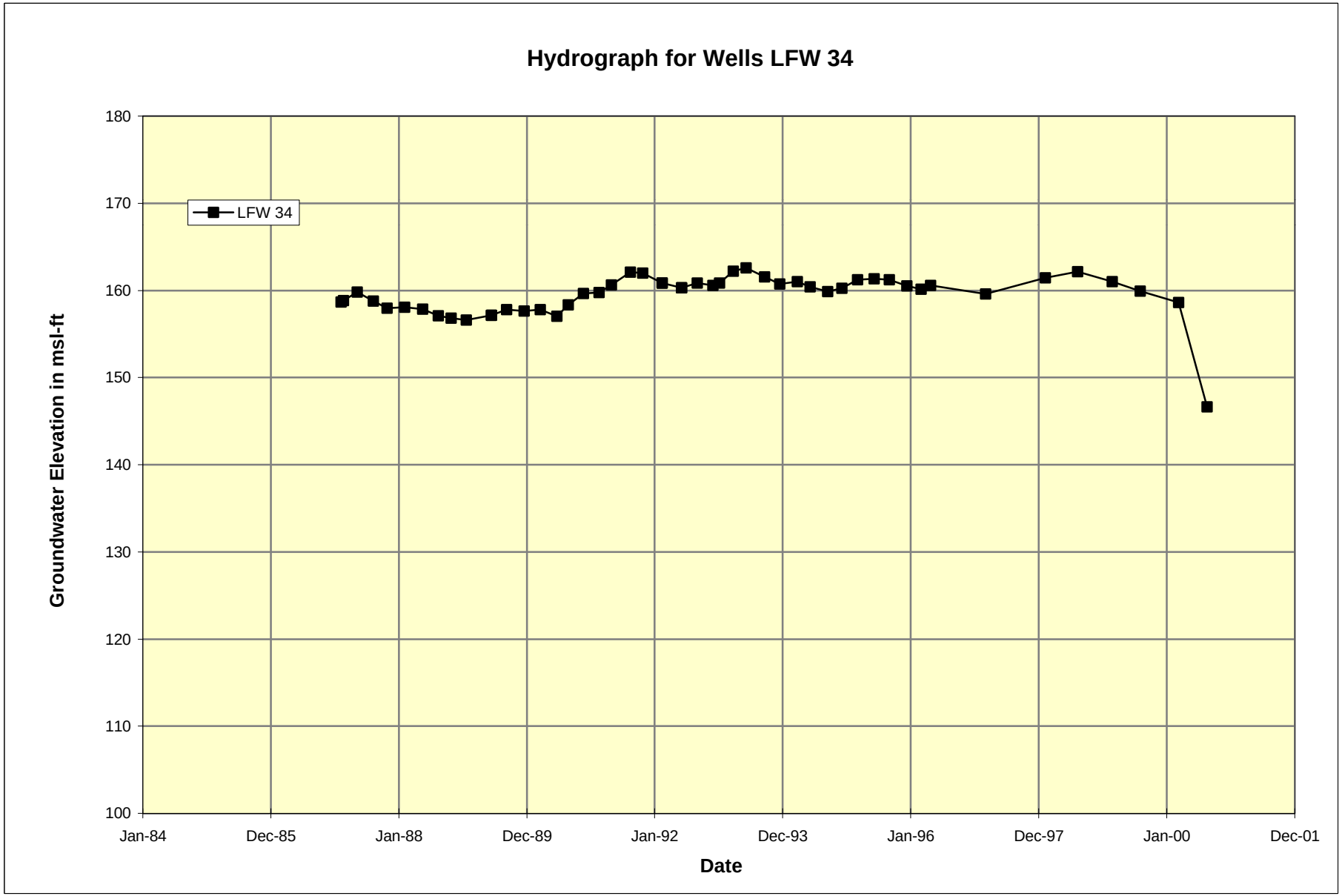
Hydrograph for Wells LFW 34
LFW 34
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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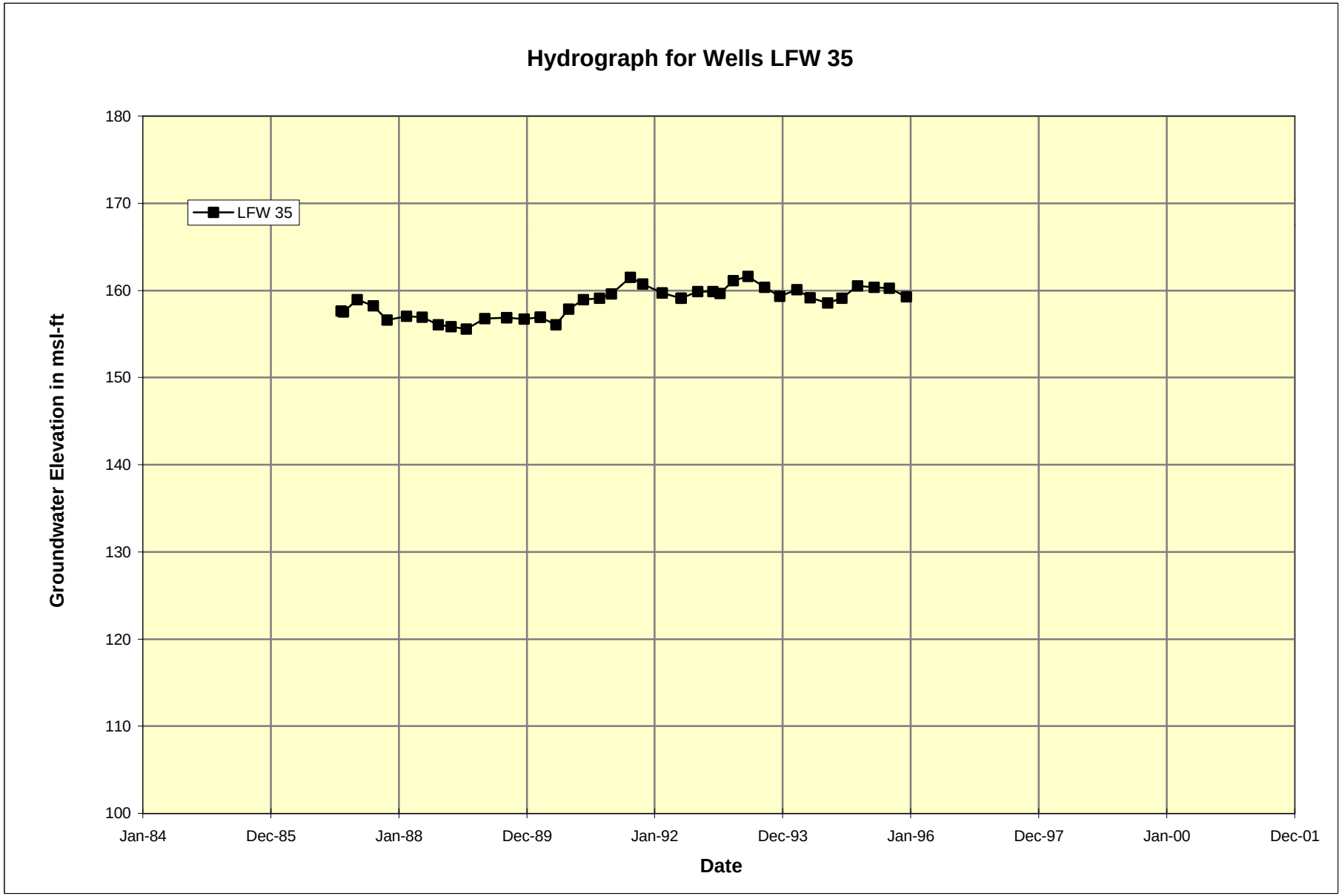
Hydrograph for Wells LFW 35
LFW 35
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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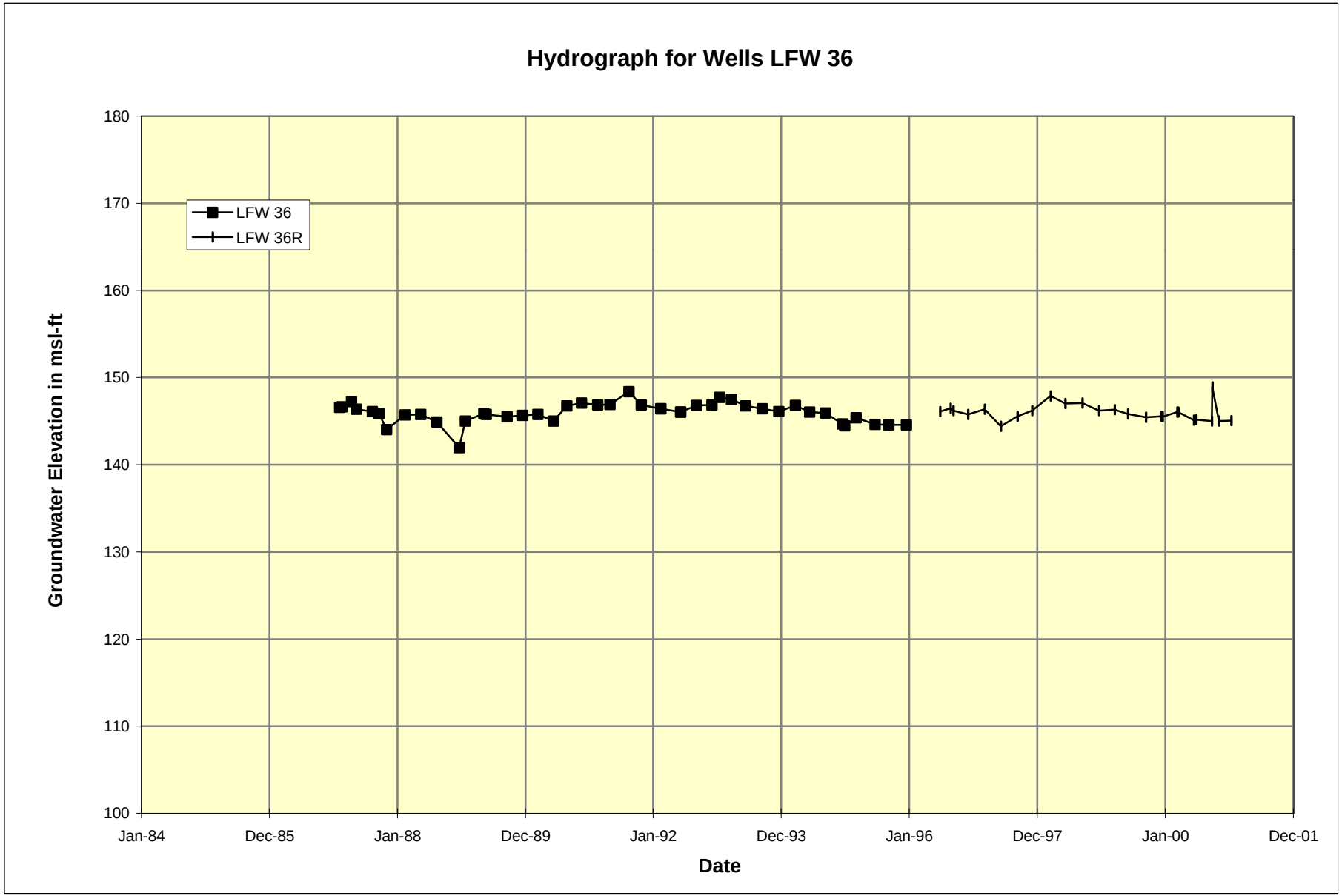
Hydrograph for Wells LFW 36
LFW 36
LFW 36R
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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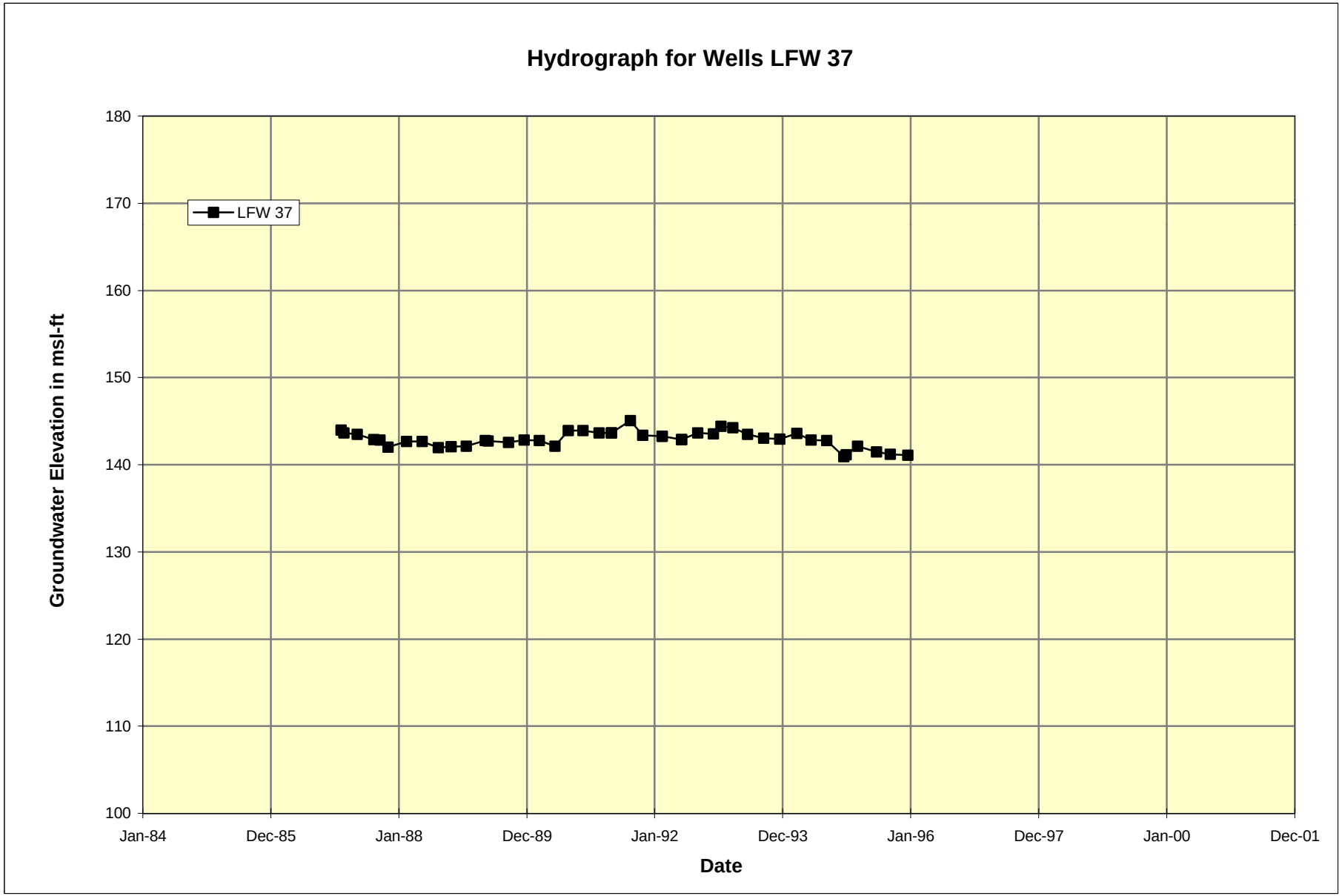
Hydrograph for Wells LFW 37
LFW 37
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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100
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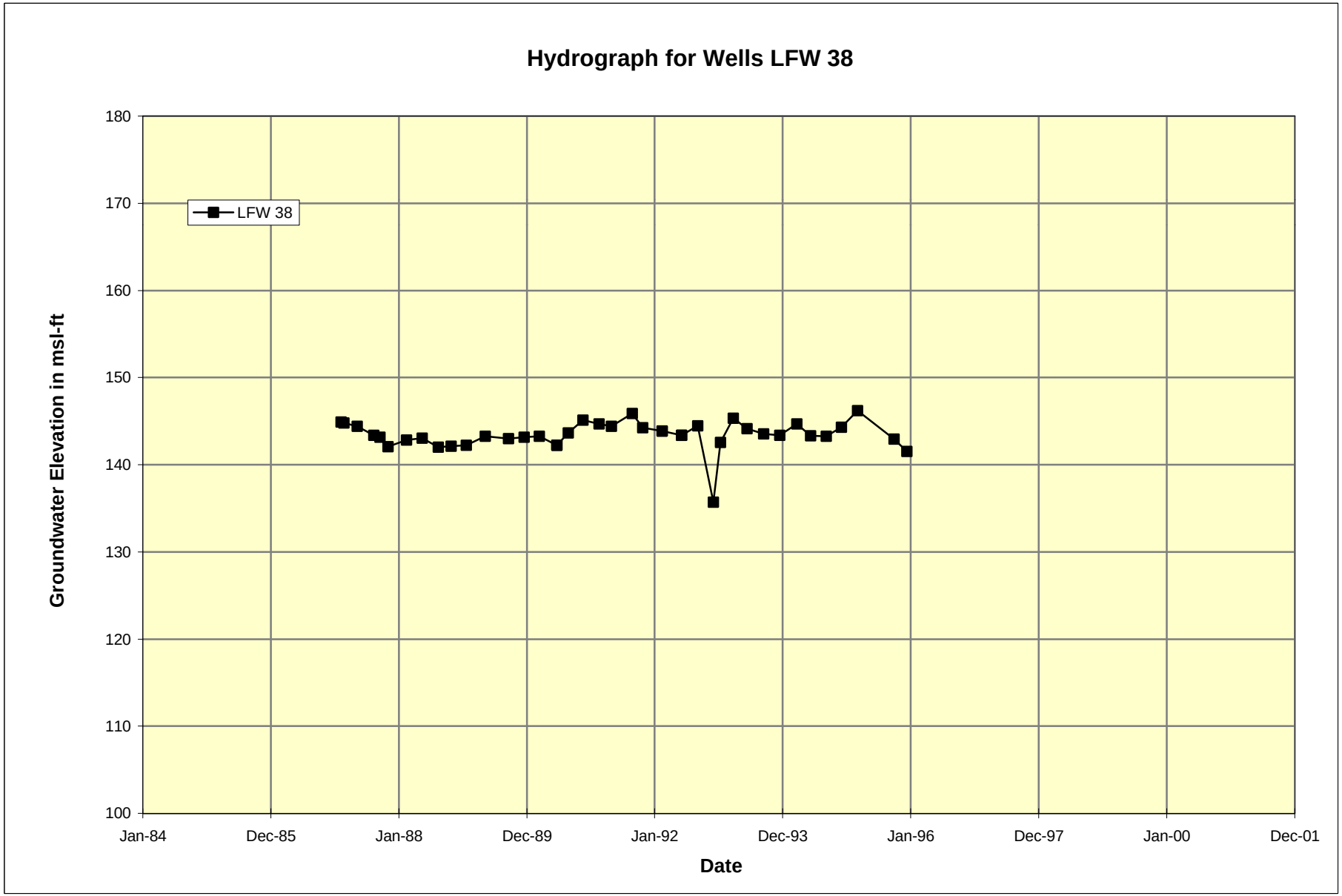
Date


Hydrograph for Wells LFW 38
LFW 38
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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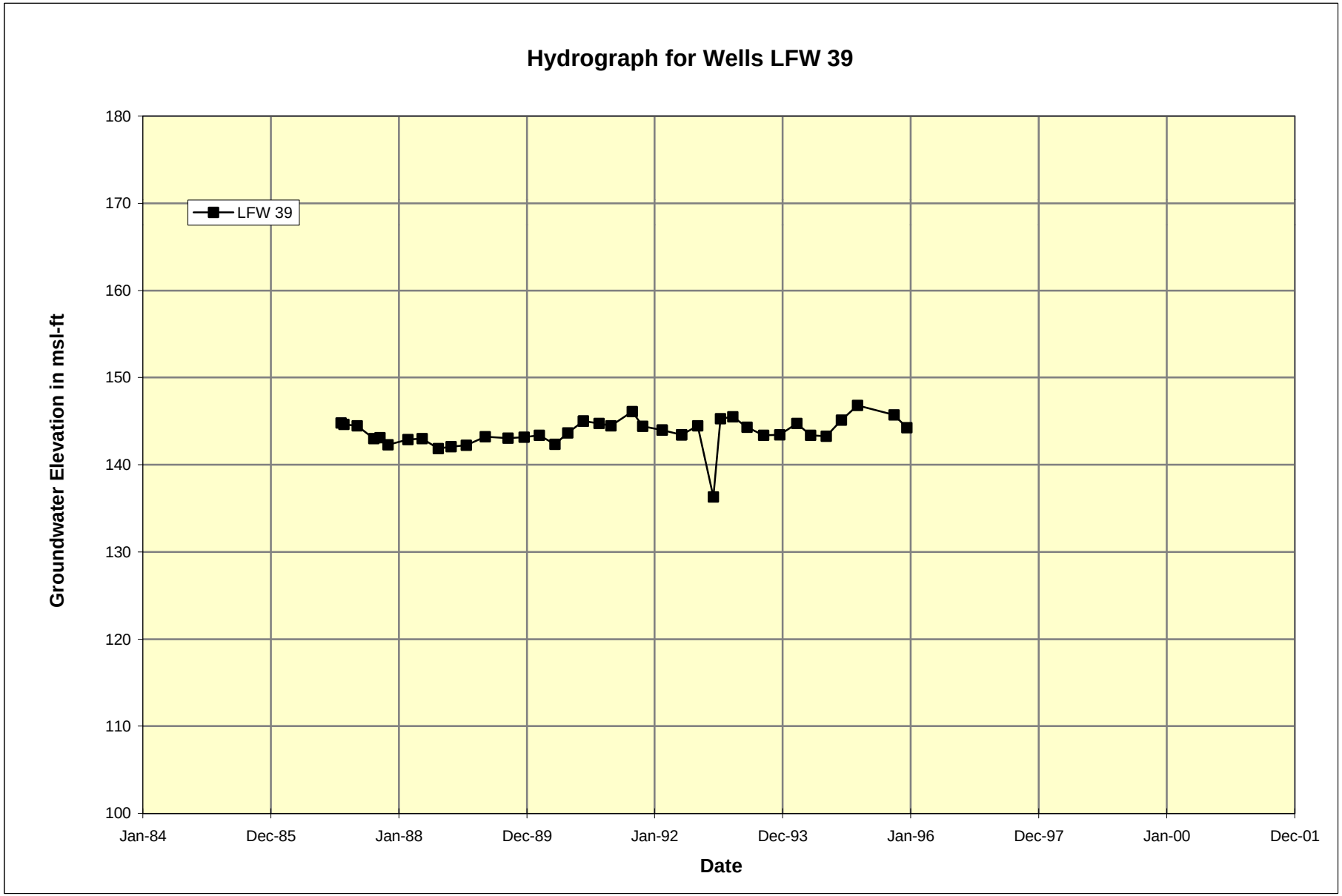
Date


Hydrograph for Wells LFW 39
LFW 39
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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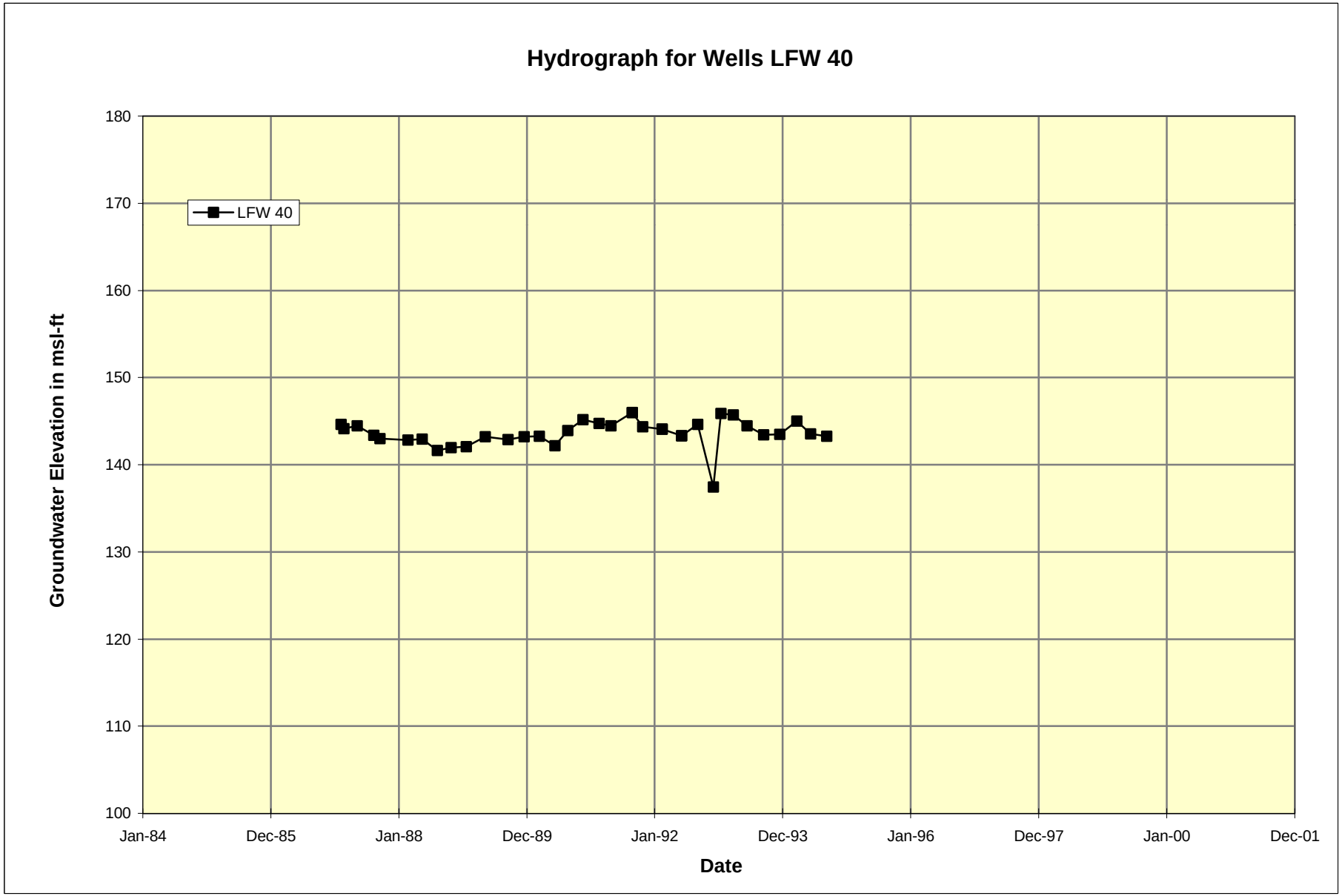
Date


Hydrograph for Wells LFW 40
LFW 40
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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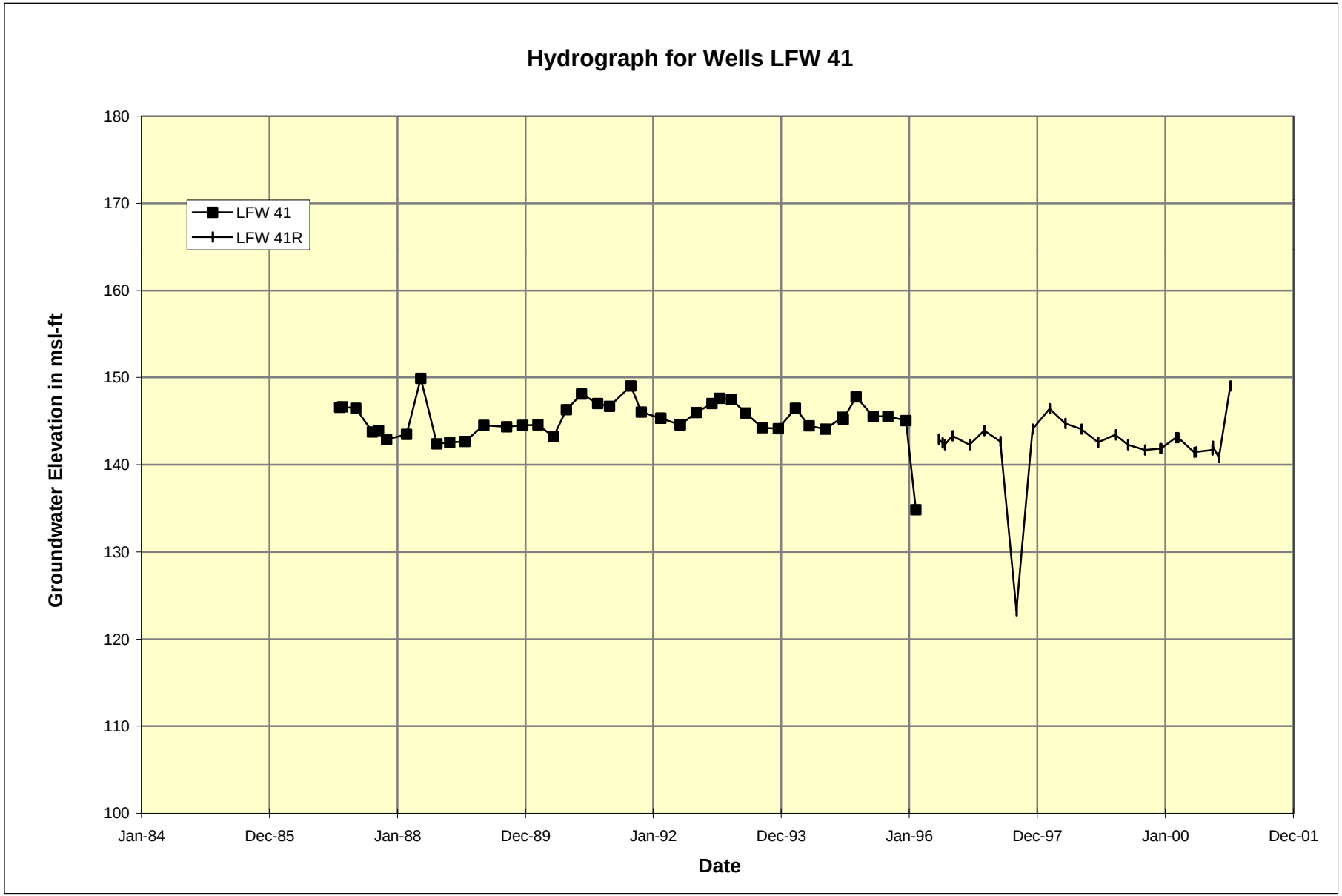
Hydrograph for Wells LFW 41
LFW 41
LFW 41R
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
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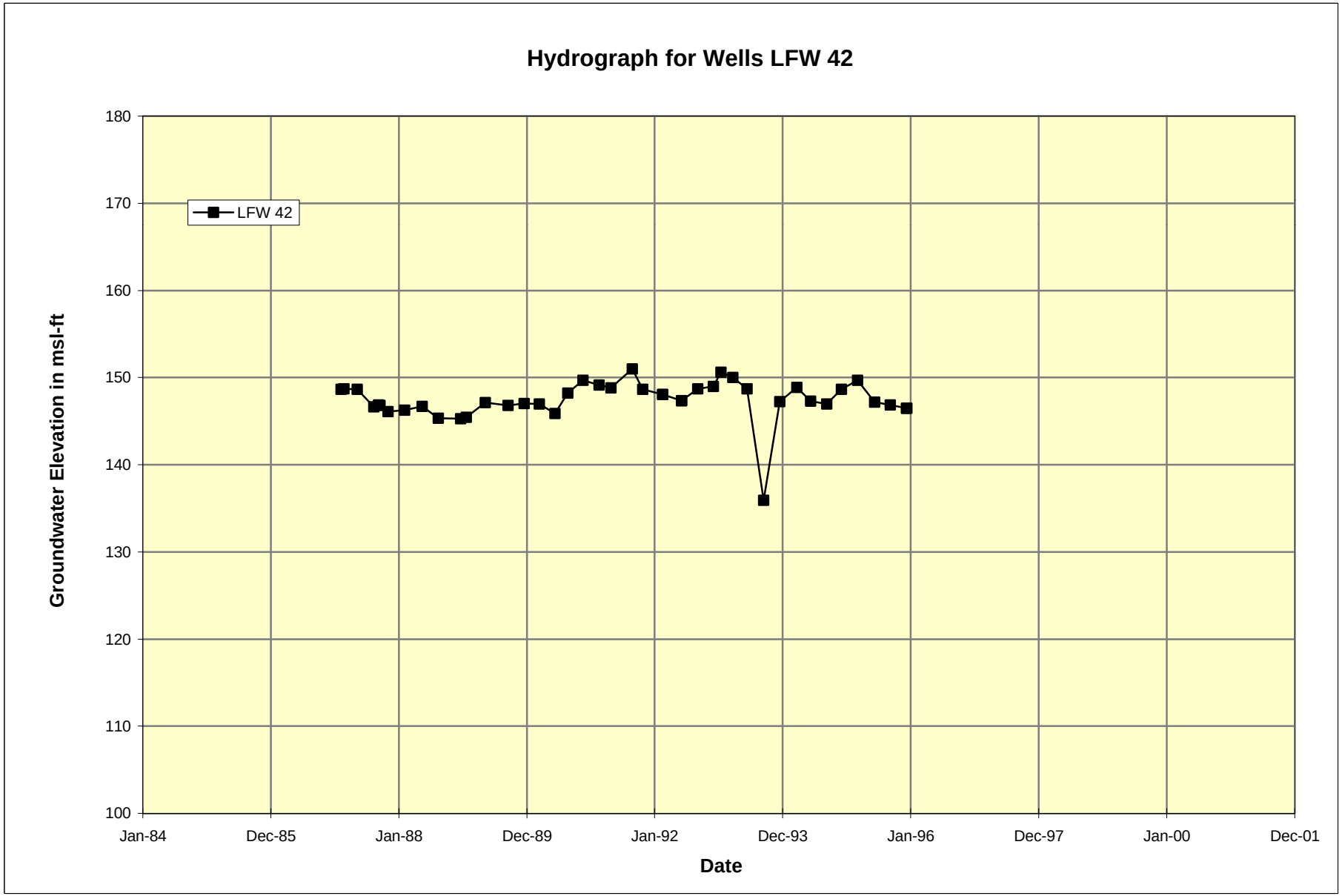
Hydrograph for Wells LFW 42
LFW 42
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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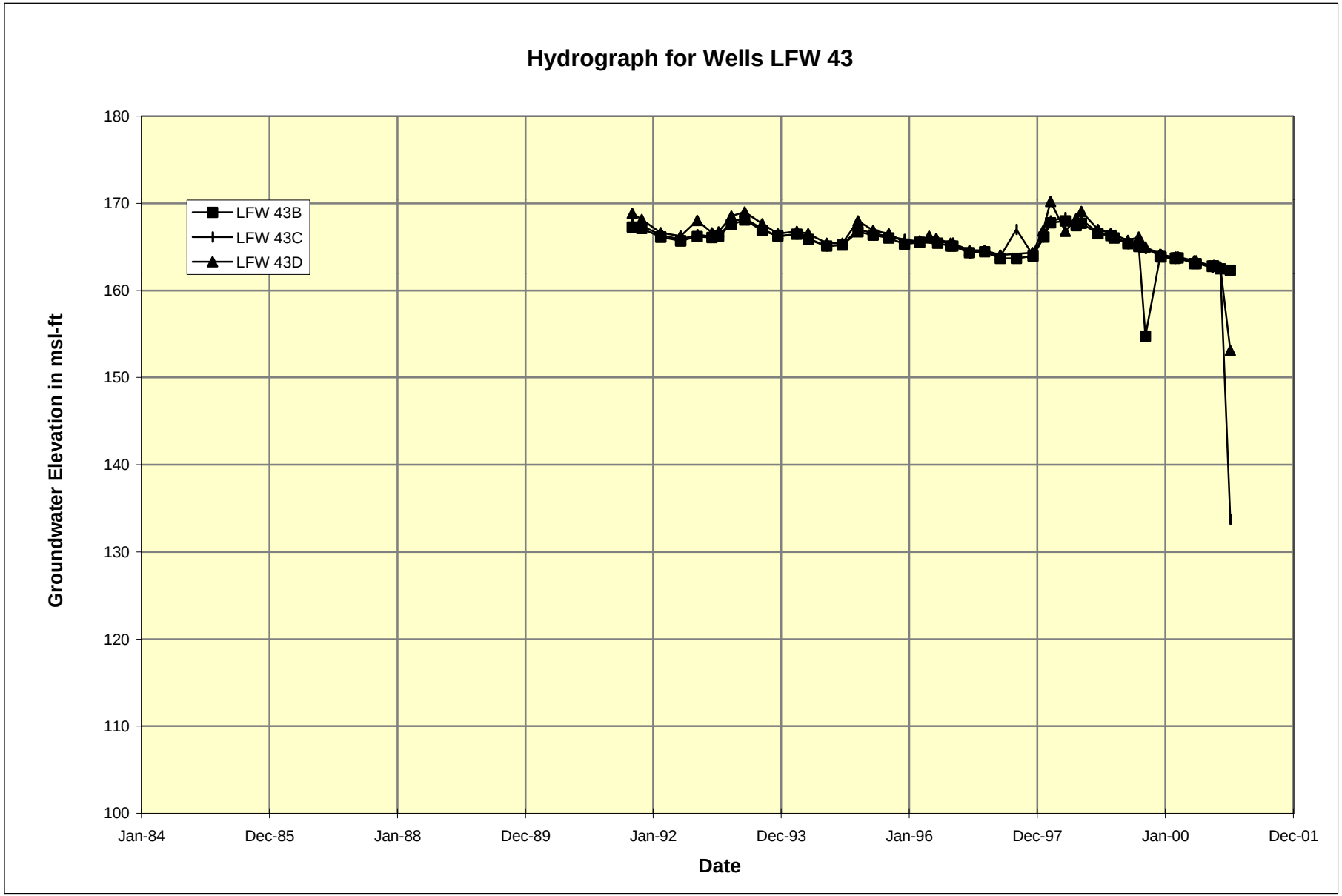
Hydrograph for Wells LFW 43
LFW 43B
LFW 43C
LFW 43D
Groundwater Elevation in msl-ft
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170
160
150
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130
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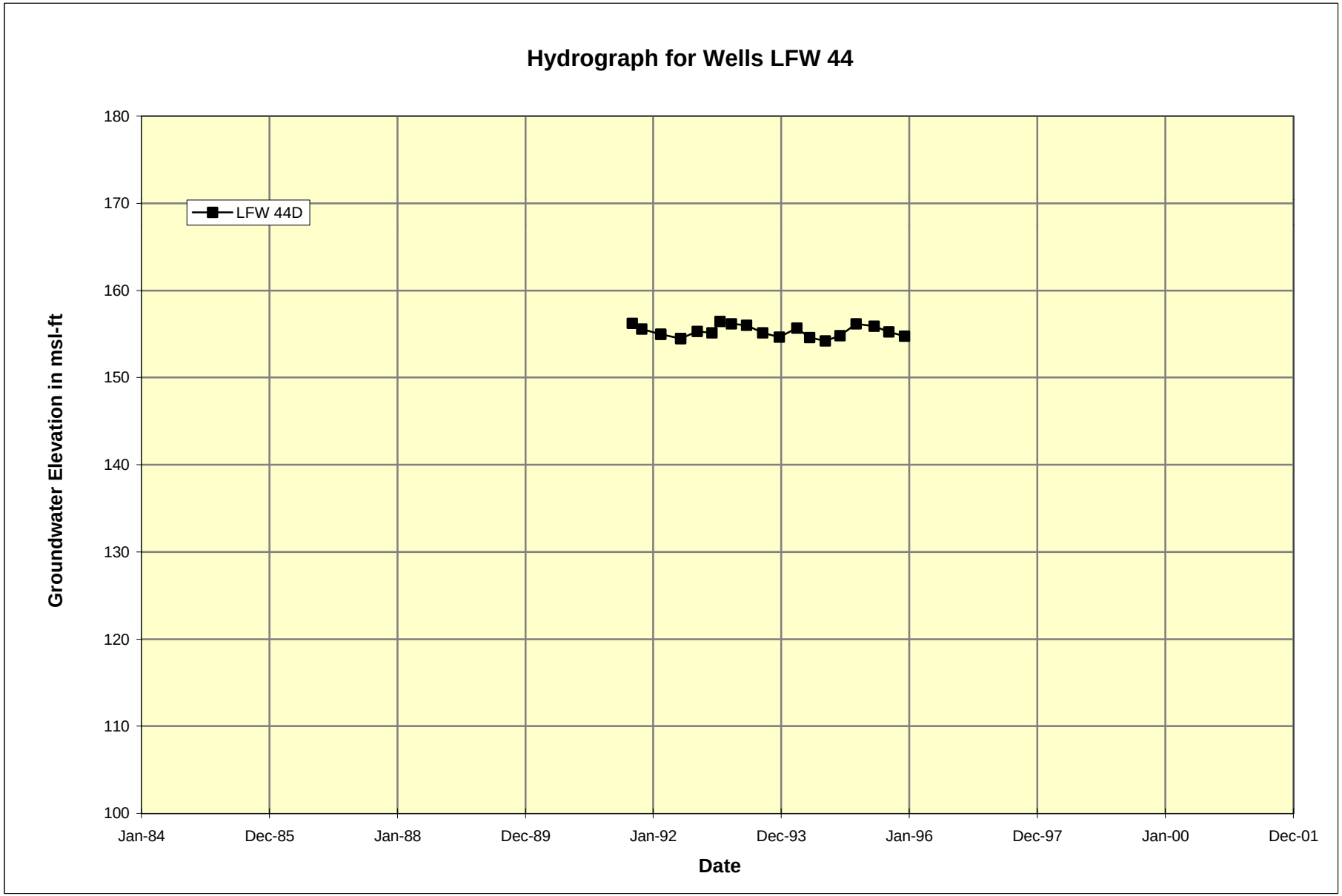
Hydrograph for Wells LFW 44
LFW 44D
Groundwater Elevation in msl-ft
180
170
160
150
140
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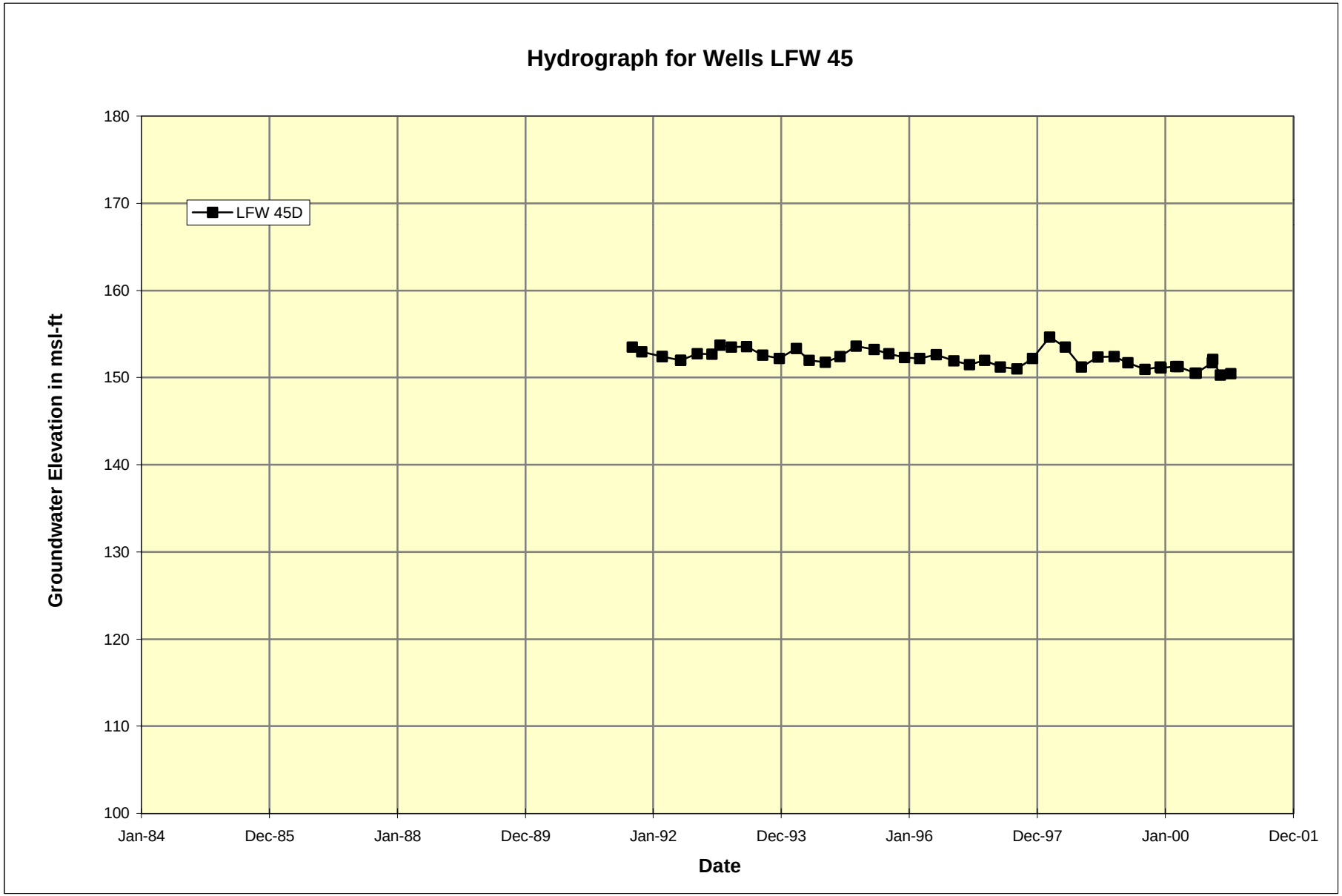
Hydrograph for Wells LFW 45
LFW 45D
Groundwater Elevation in msl-ft
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170
160
150
140
130
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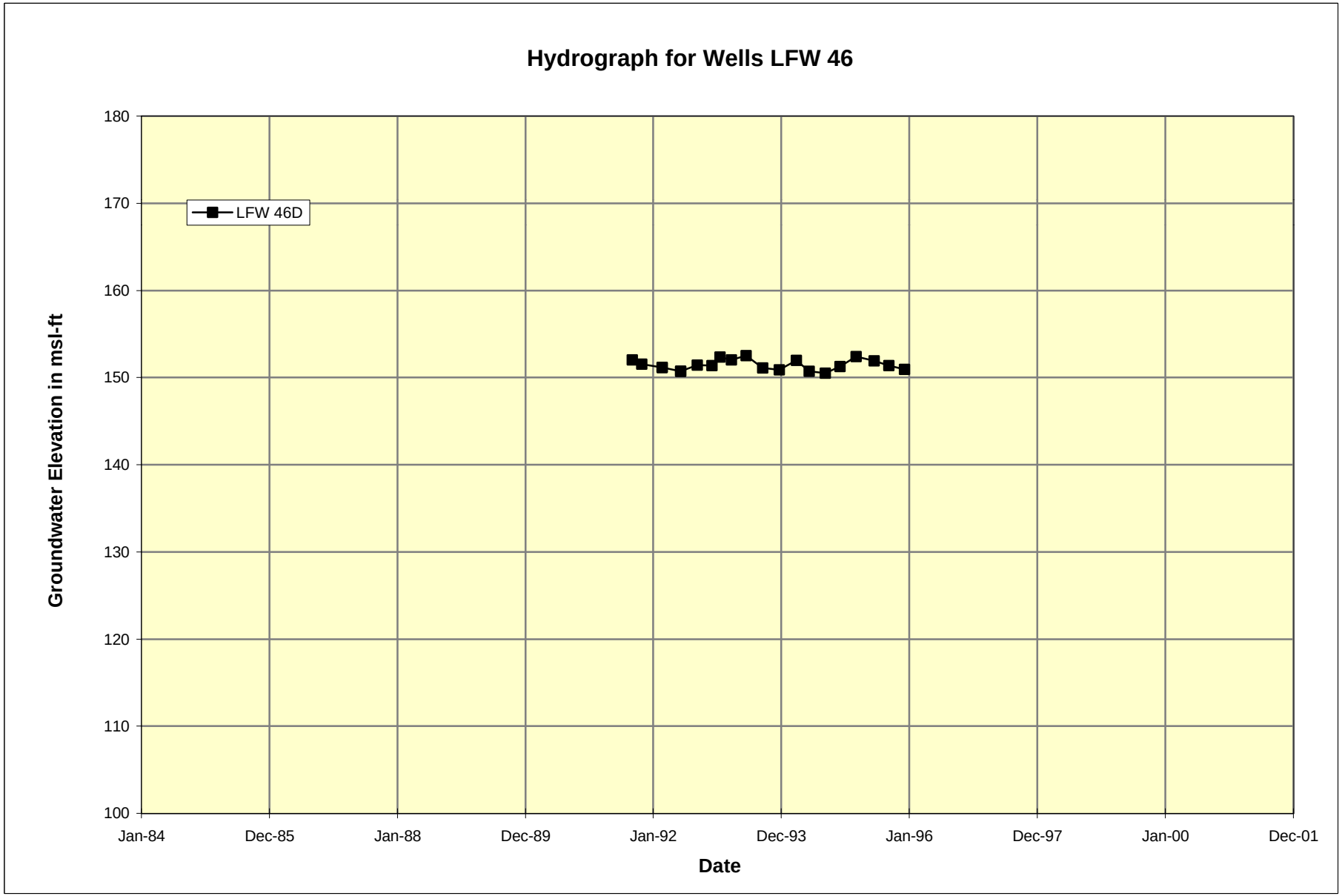
Date


Hydrograph for Wells LFW 46
LFW 46D
Groundwater Elevation in msl-ft
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170
160
150
140
130
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100
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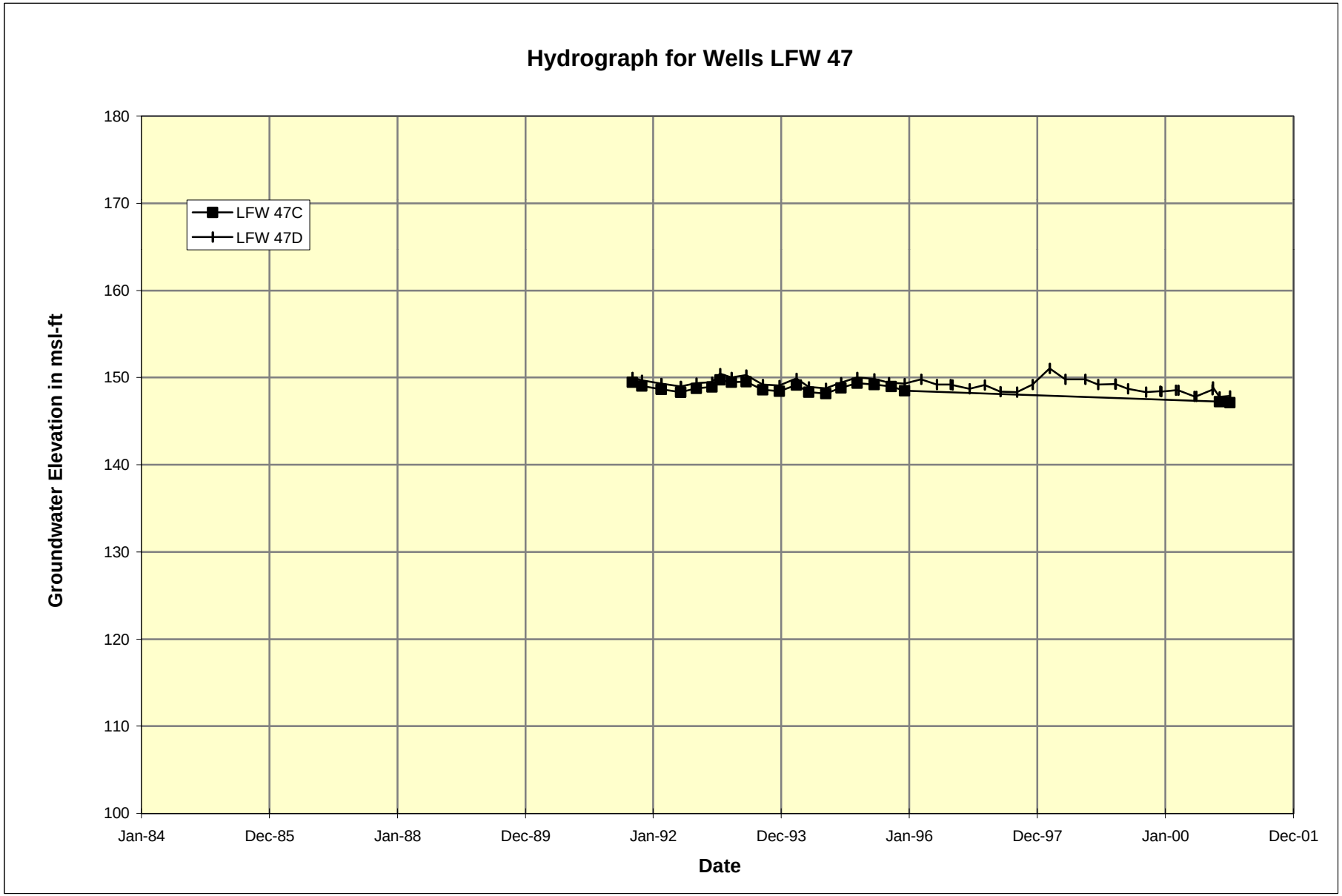
Hydrograph for Wells LFW 47
LFW 47C
LFW 47D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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100
Jan-84
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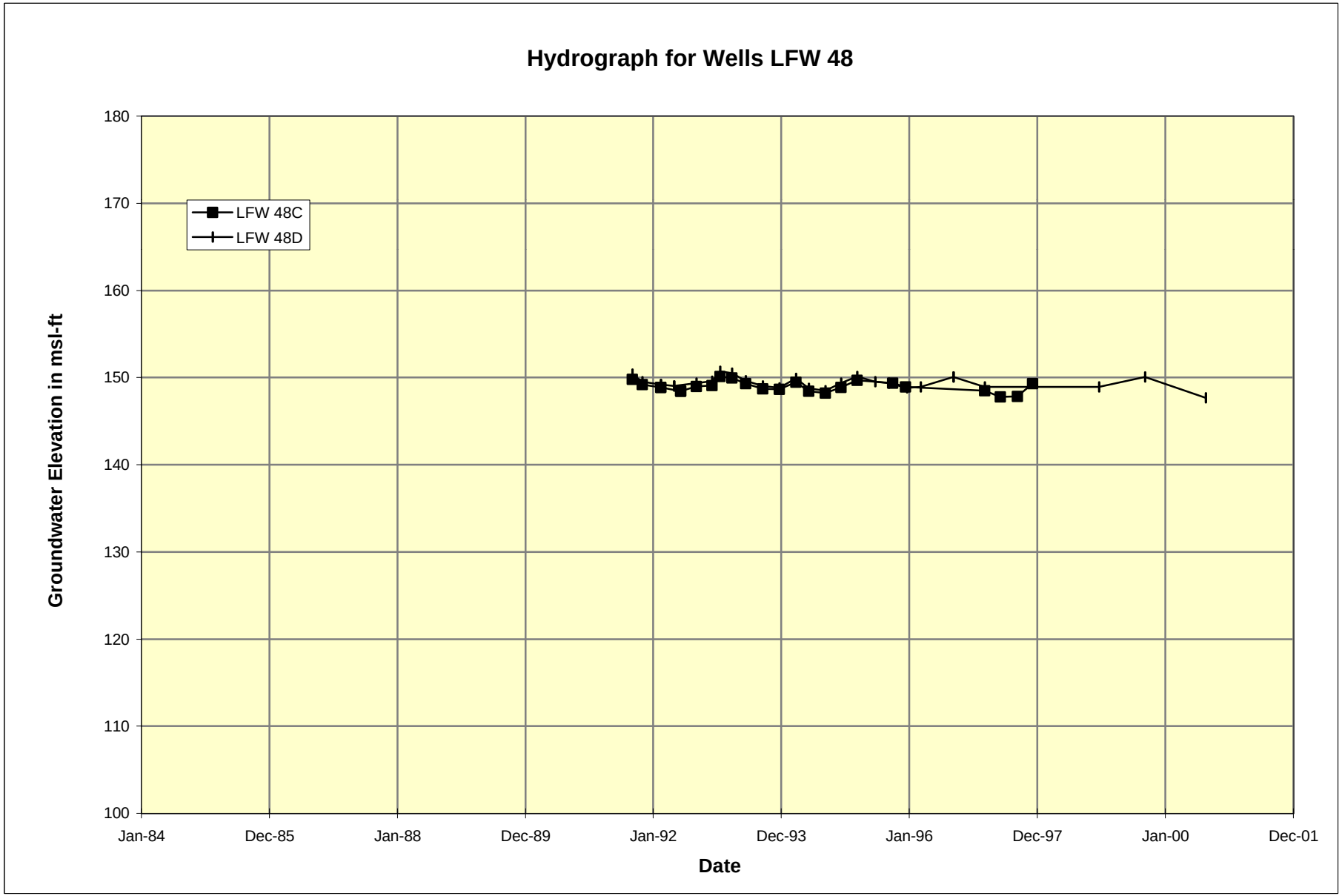
Hydrograph for Wells LFW 48
LFW 48C
LFW 48D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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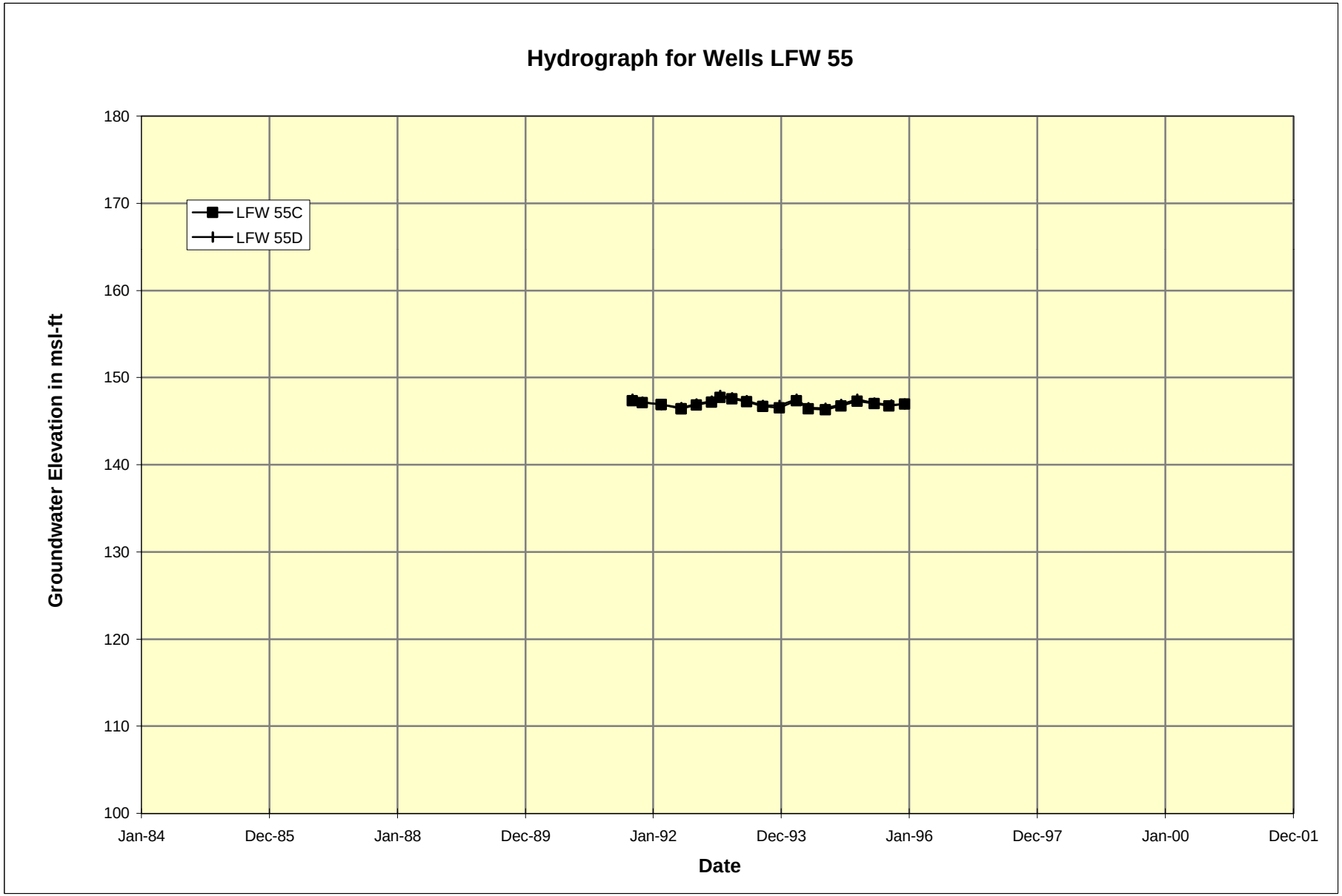
Hydrograph for Wells LFW 55
LFW 55C
LFW 55D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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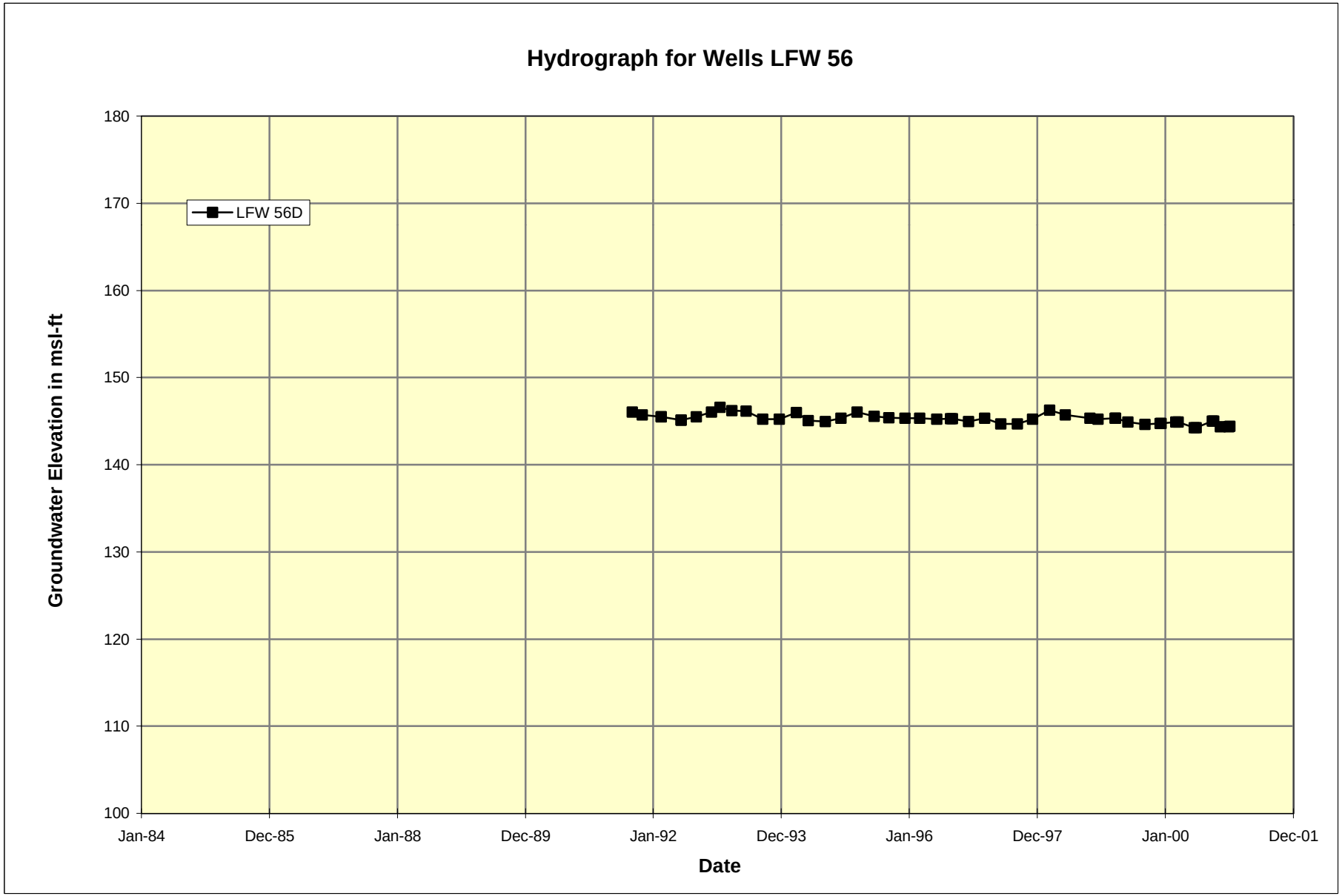
Hydrograph for Wells LFW 56
LFW 56D
Groundwater Elevation in msl-ft
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170
160
150
140
130
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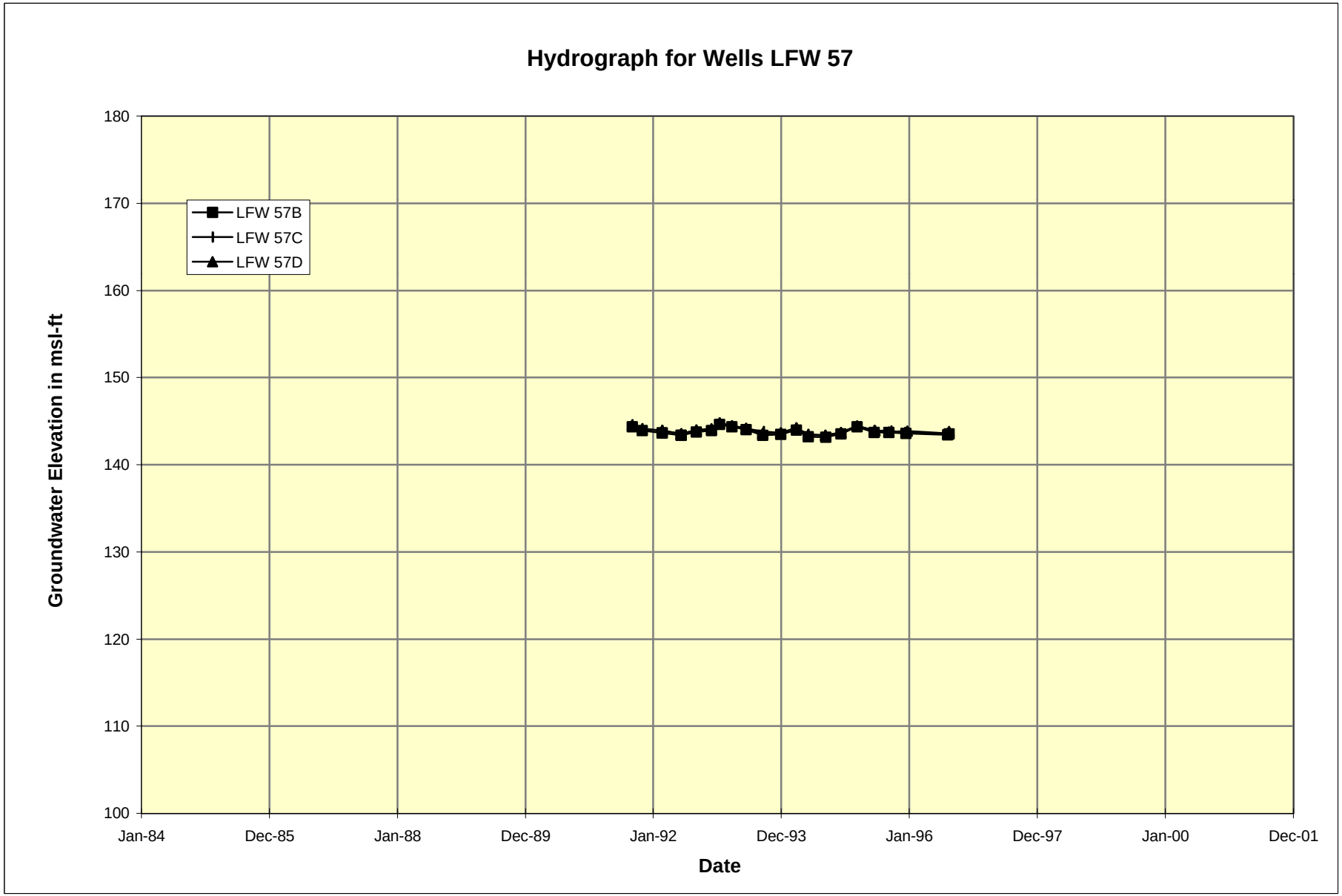
Hydrograph for Wells LFW 57
LFW 57B
LFW 57C
LFW 57D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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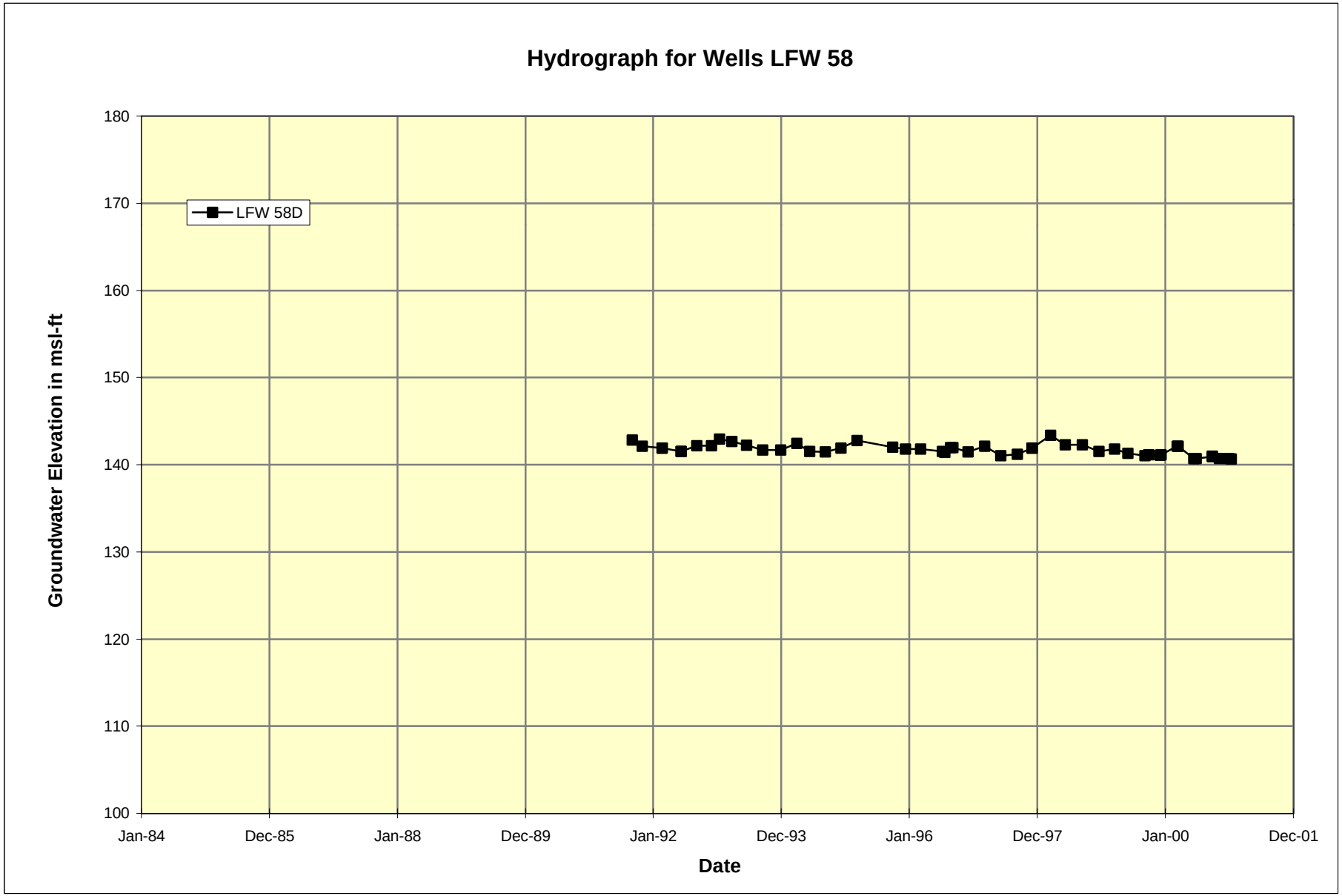
Hydrograph for Wells LFW 58
LFW 58D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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Jan-84
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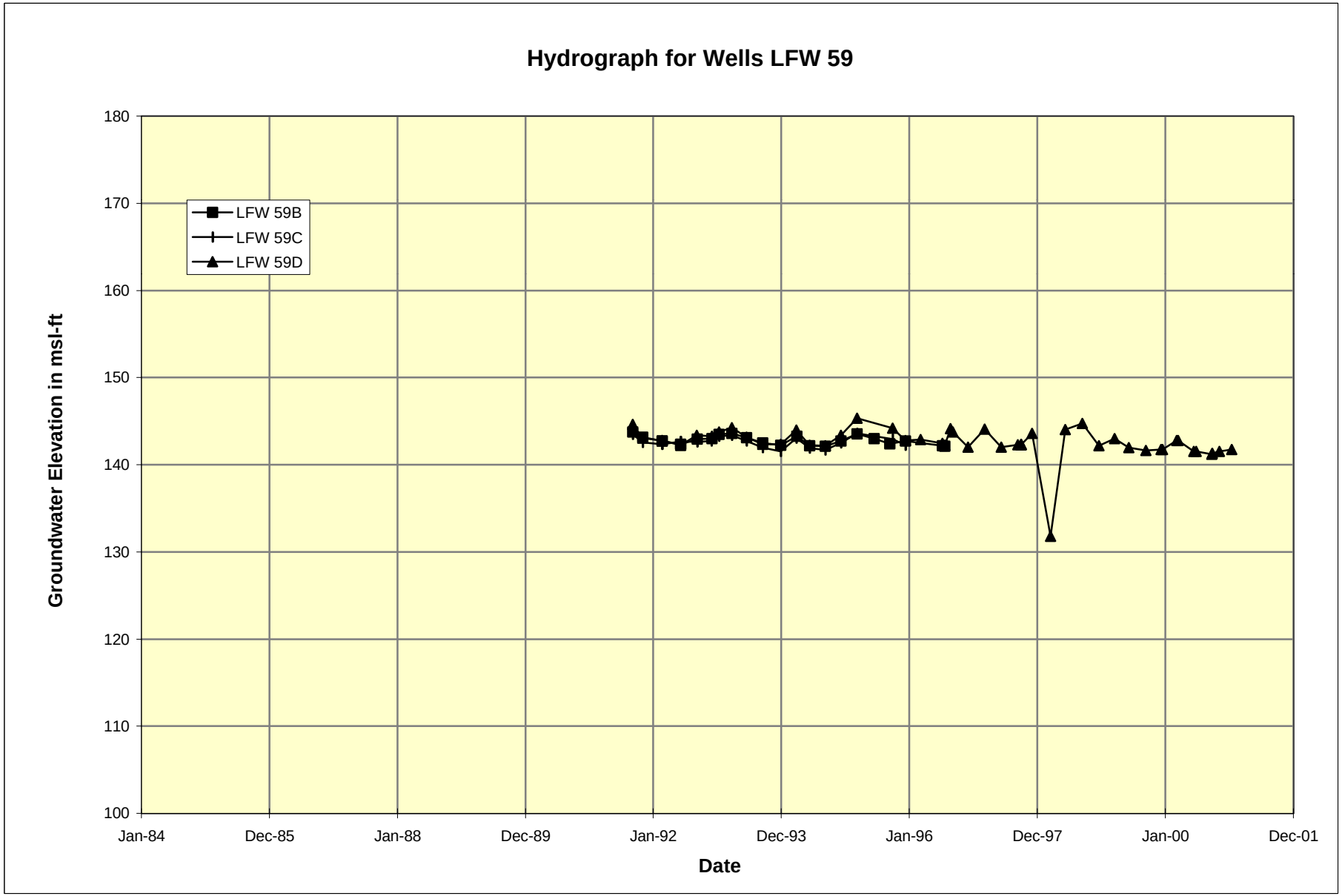
Hydrograph for Wells LFW 59
LFW 59B
LFW 59C
LFW 59D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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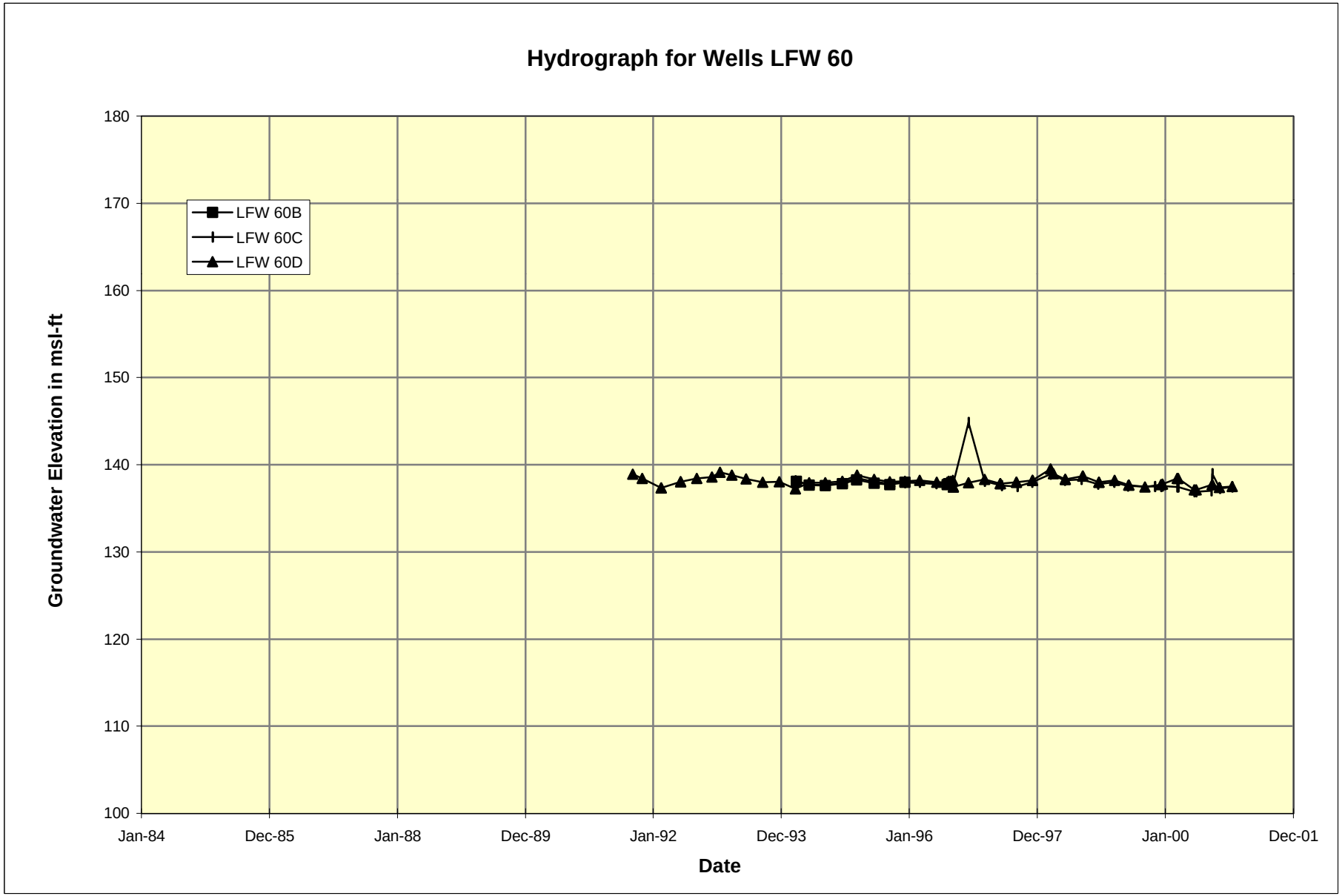
Hydrograph for Wells LFW 60
LFW 60B
LFW 60C
LFW 60D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
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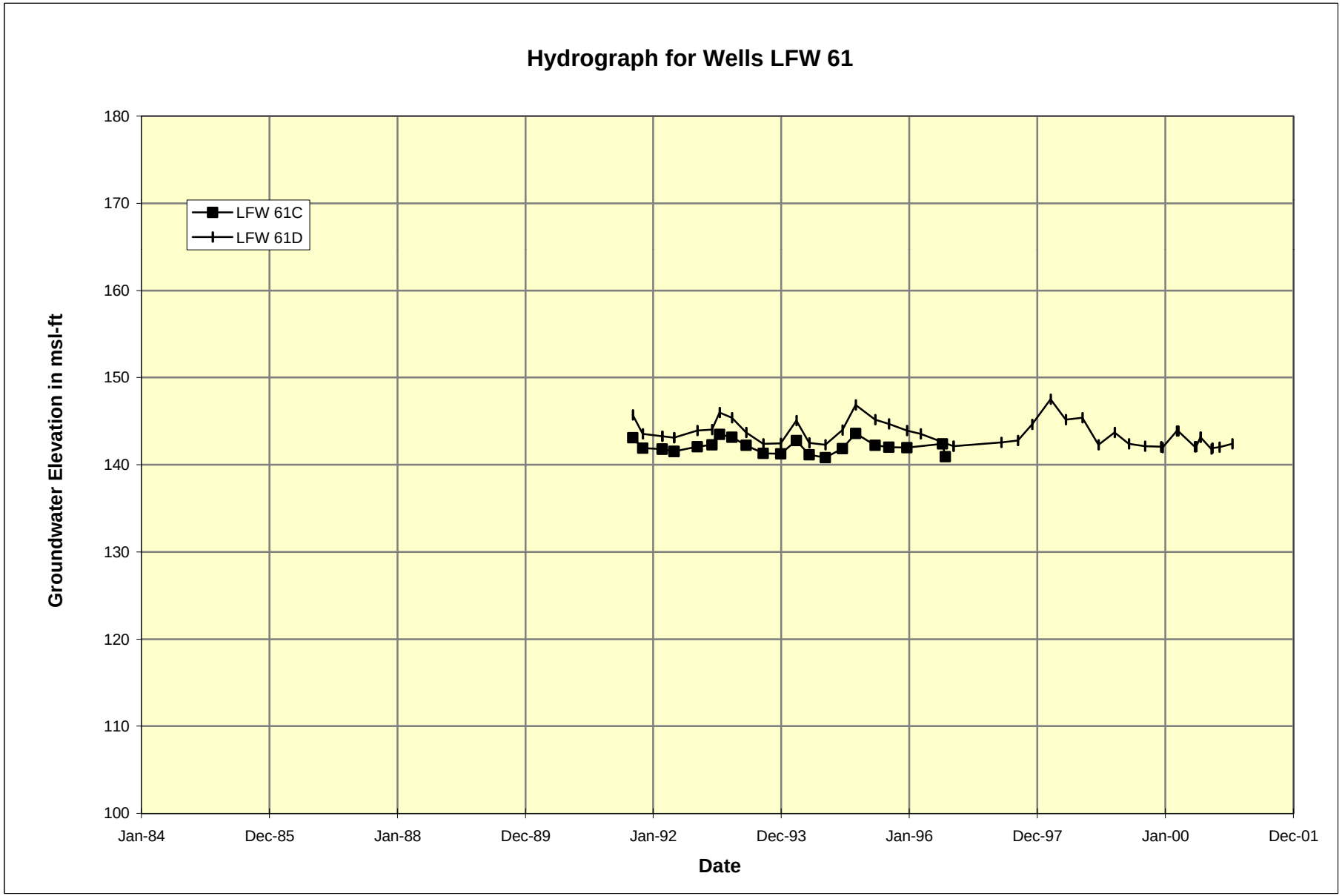
Hydrograph for Wells LFW 61
LFW 61C
LFW 61D
Groundwater Elevation in msl-ft
180
170
160
150
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Jan-84
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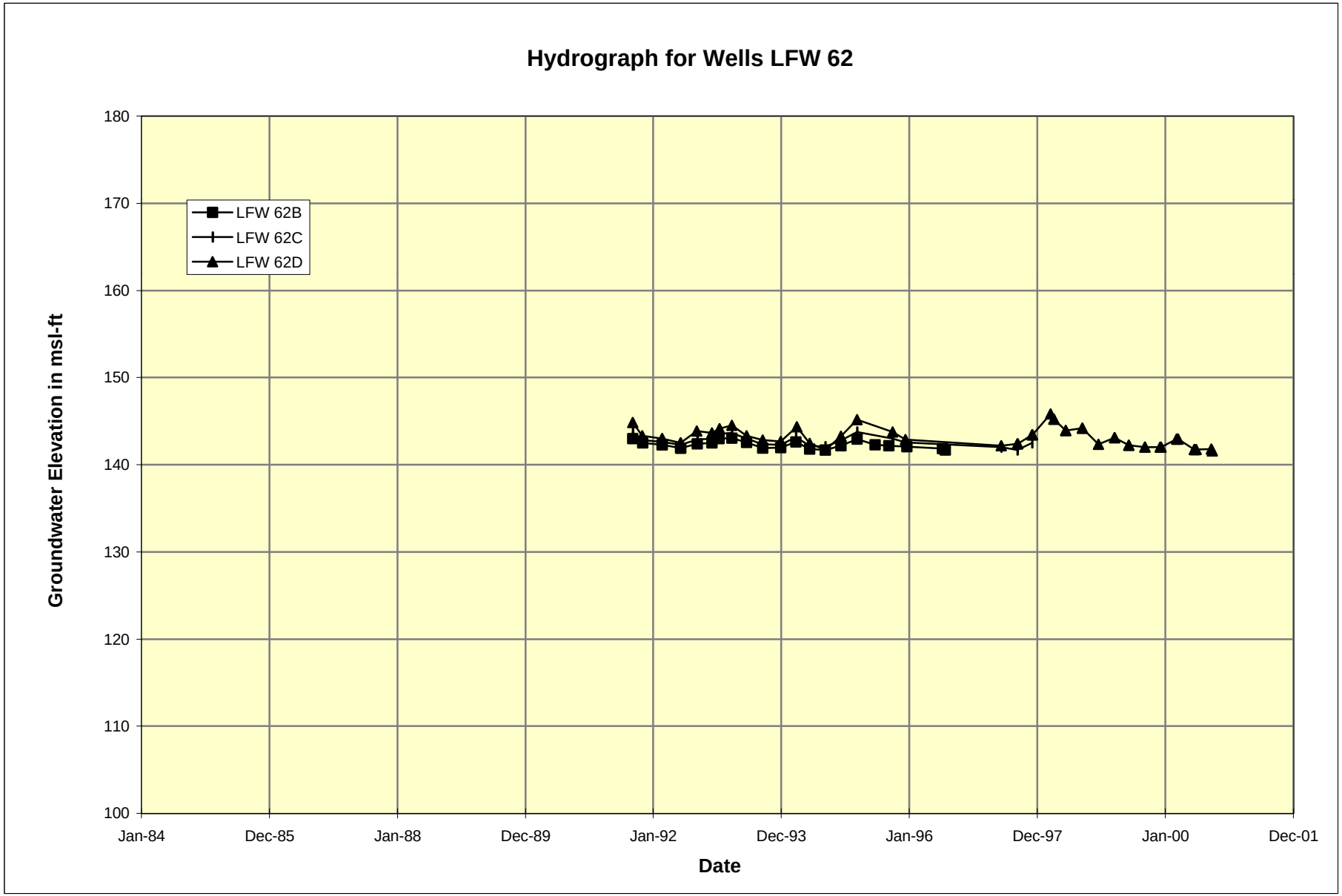
Hydrograph for Wells LFW 62
LFW 62B
LFW 62C
LFW 62D
Groundwater Elevation in msl-ft
180
170
160
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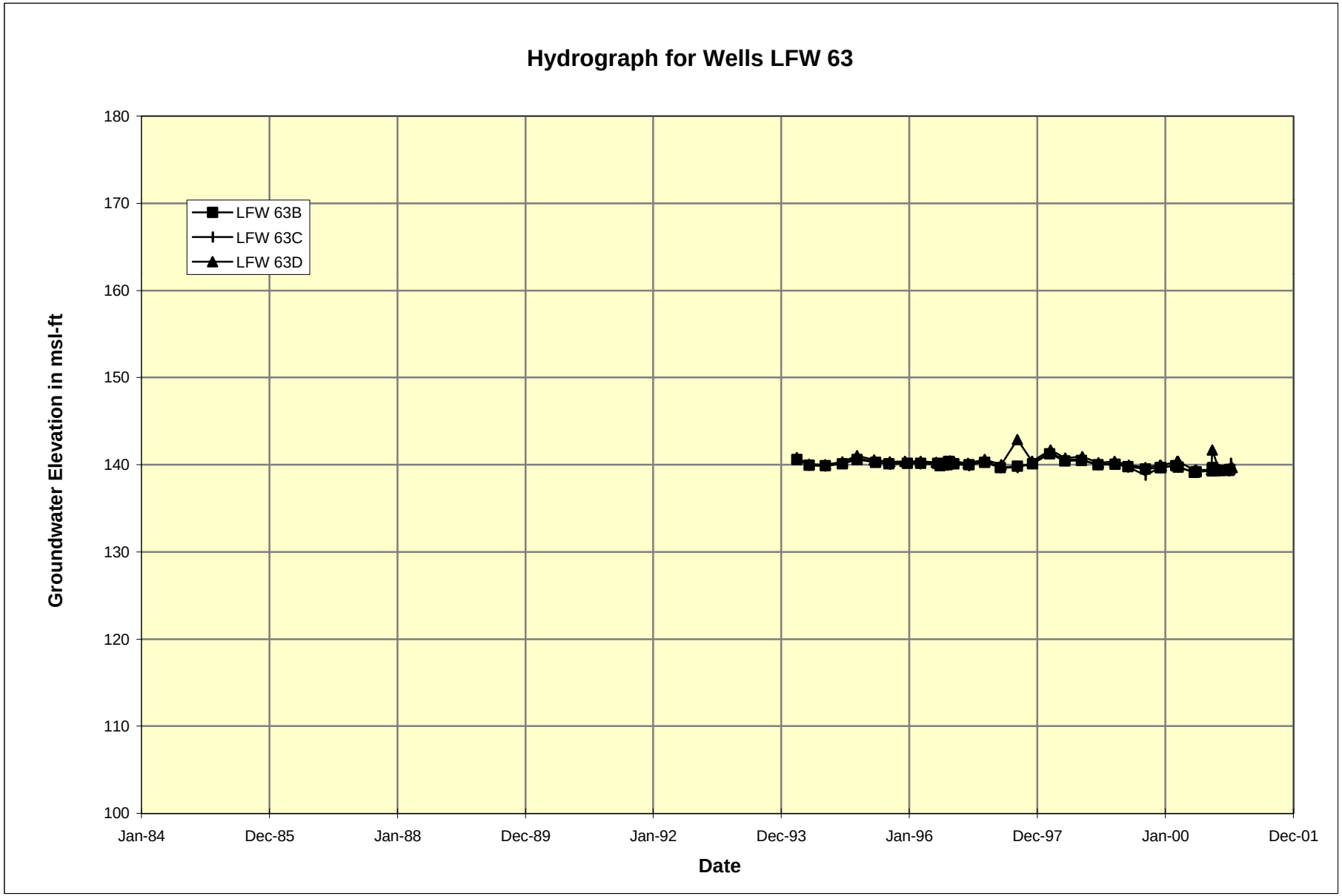
Hydrograph for Wells LFW 63
LFW 63B
LFW 63C
LFW 63D
Groundwater Elevation in msl-ft
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170
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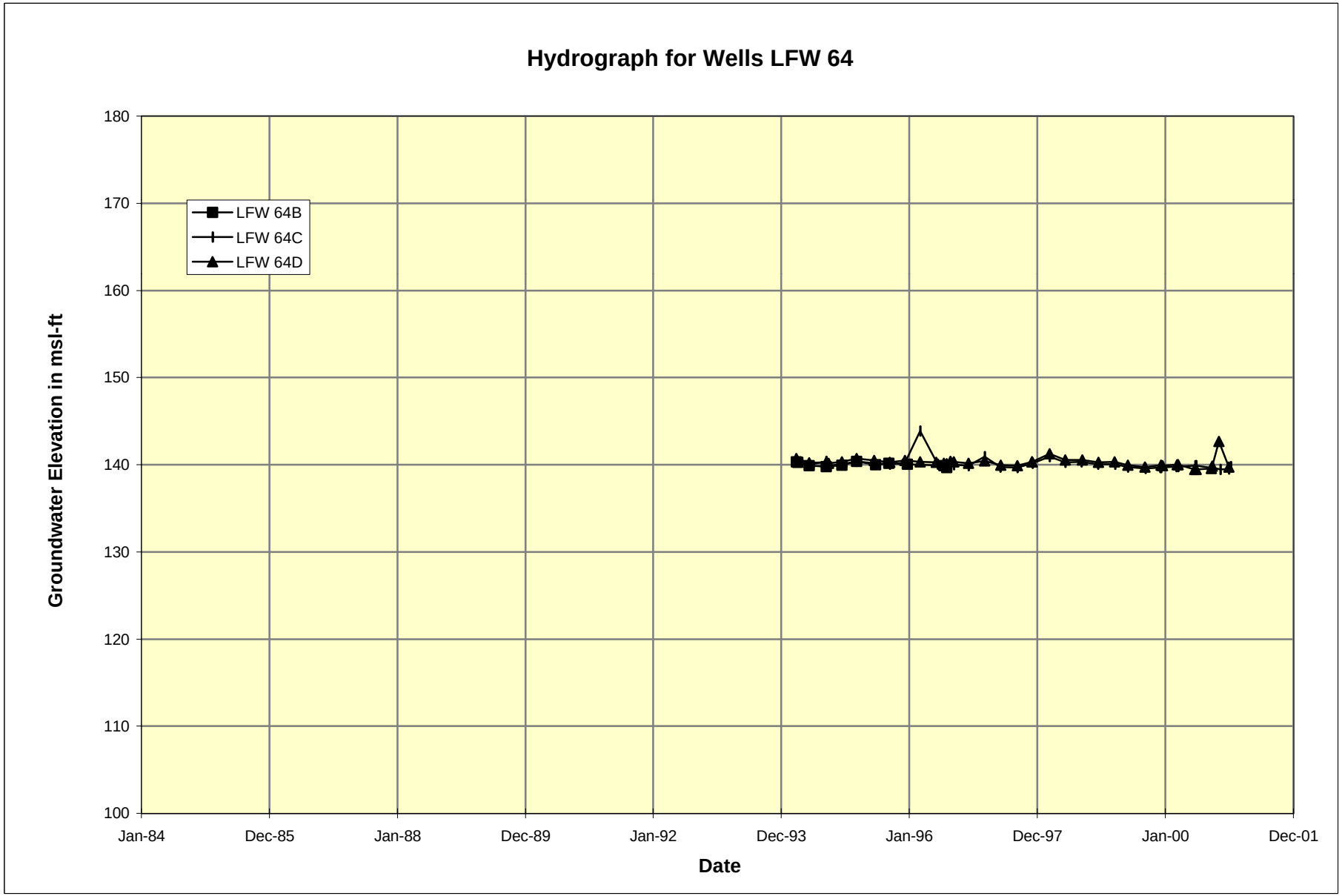
Hydrograph for Wells LFW 64
LFW 64B
LFW 64C
LFW 64D
Groundwater Elevation in msl-ft
180
170
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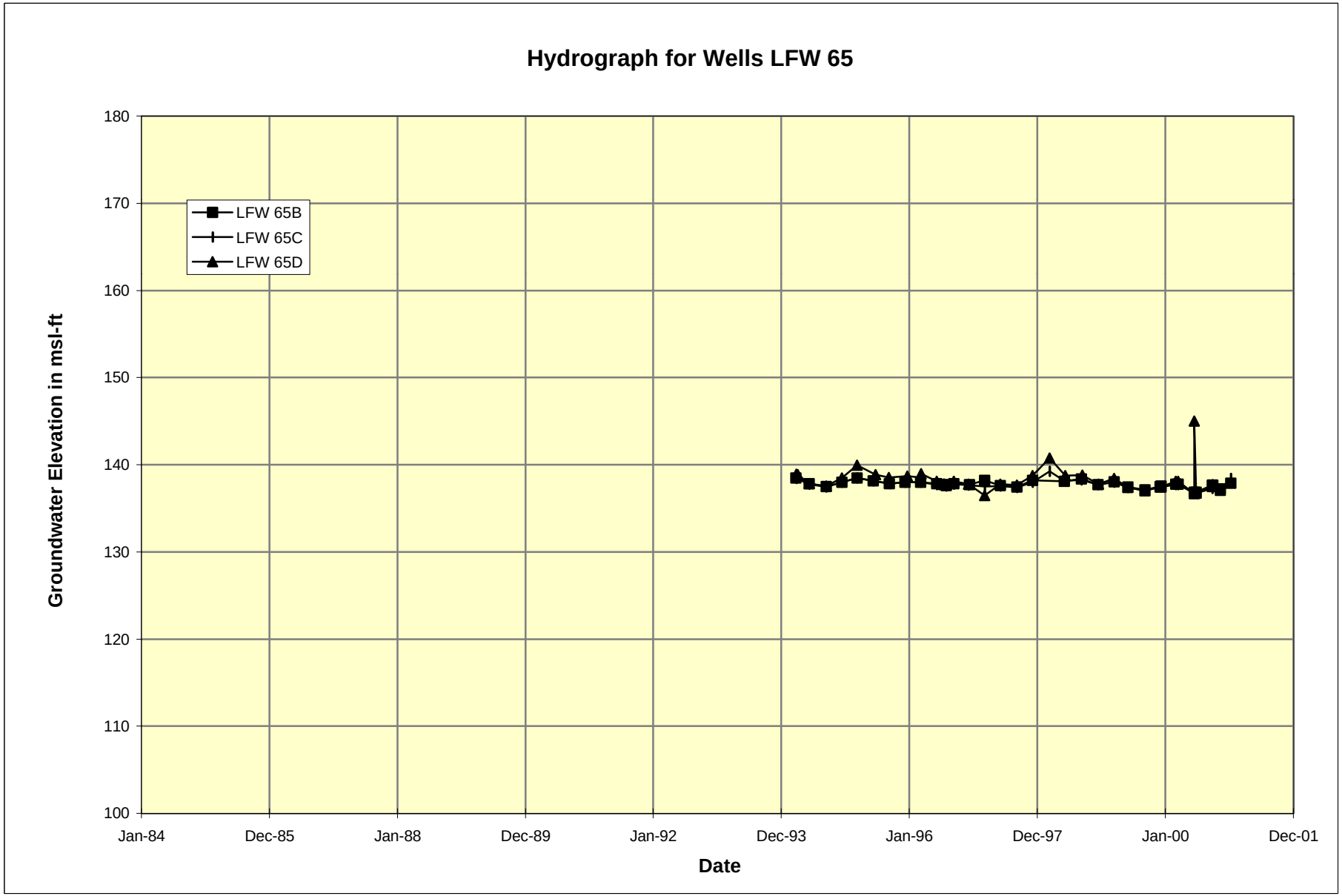
Hydrograph for Wells LFW 65
LFW 65B
LFW 65C
LFW 65D
Groundwater Elevation in msl-ft
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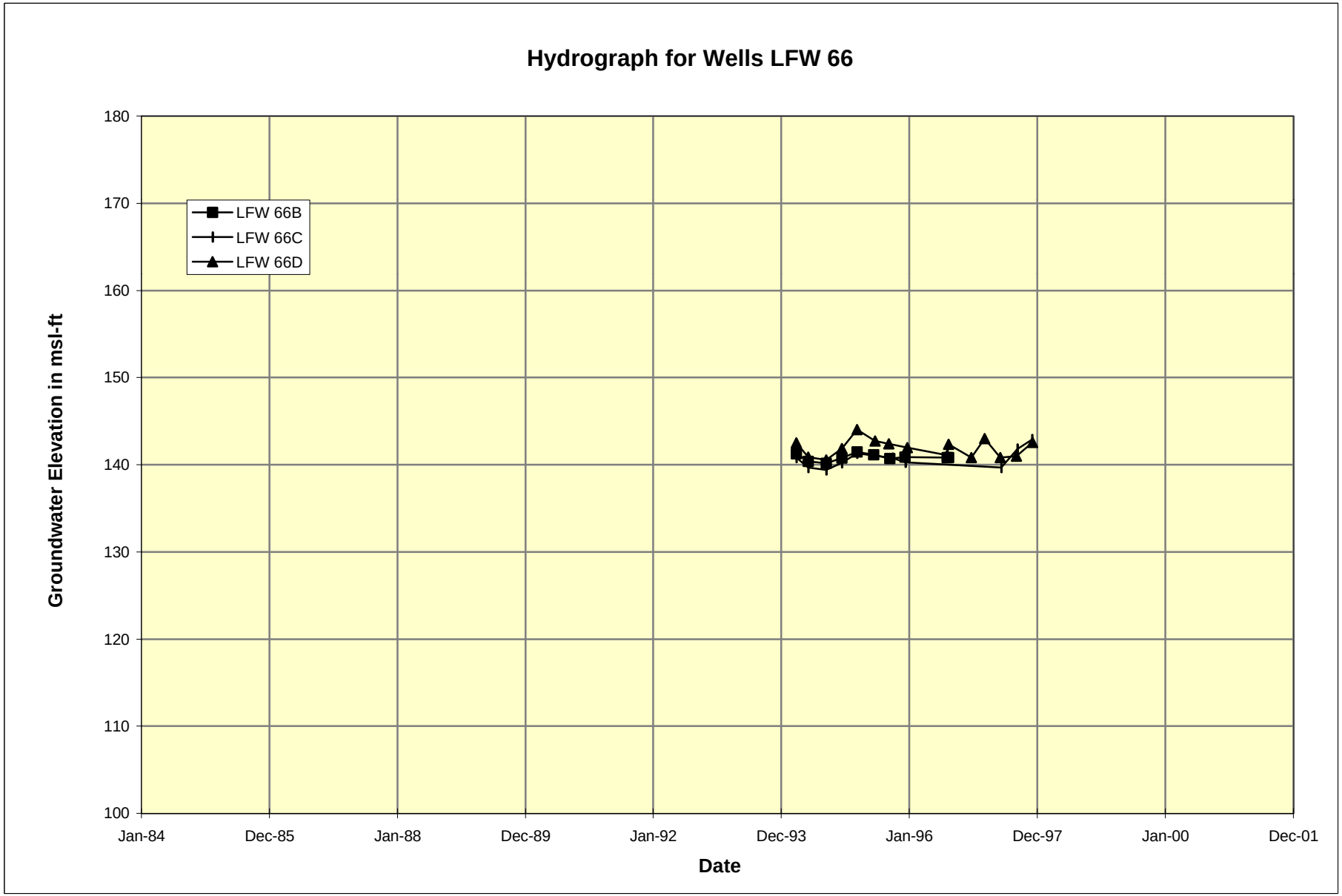
Hydrograph for Wells LFW 66
LFW 66B
LFW 66C
LFW 66D
Groundwater Elevation in msl-ft
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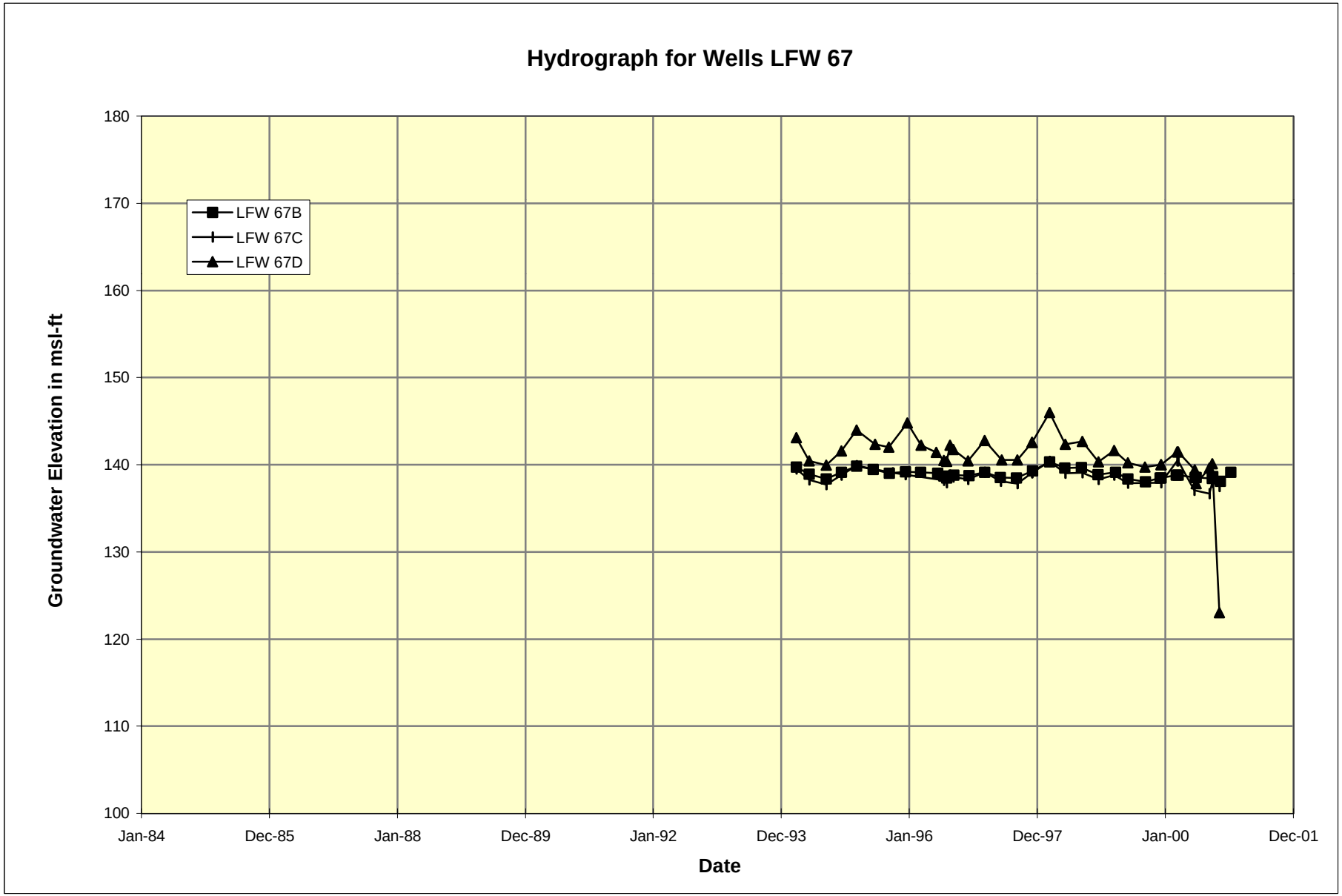
Hydrograph for Wells LFW 67
LFW 67B
LFW 67C
LFW 67D
Groundwater Elevation in msl-ft
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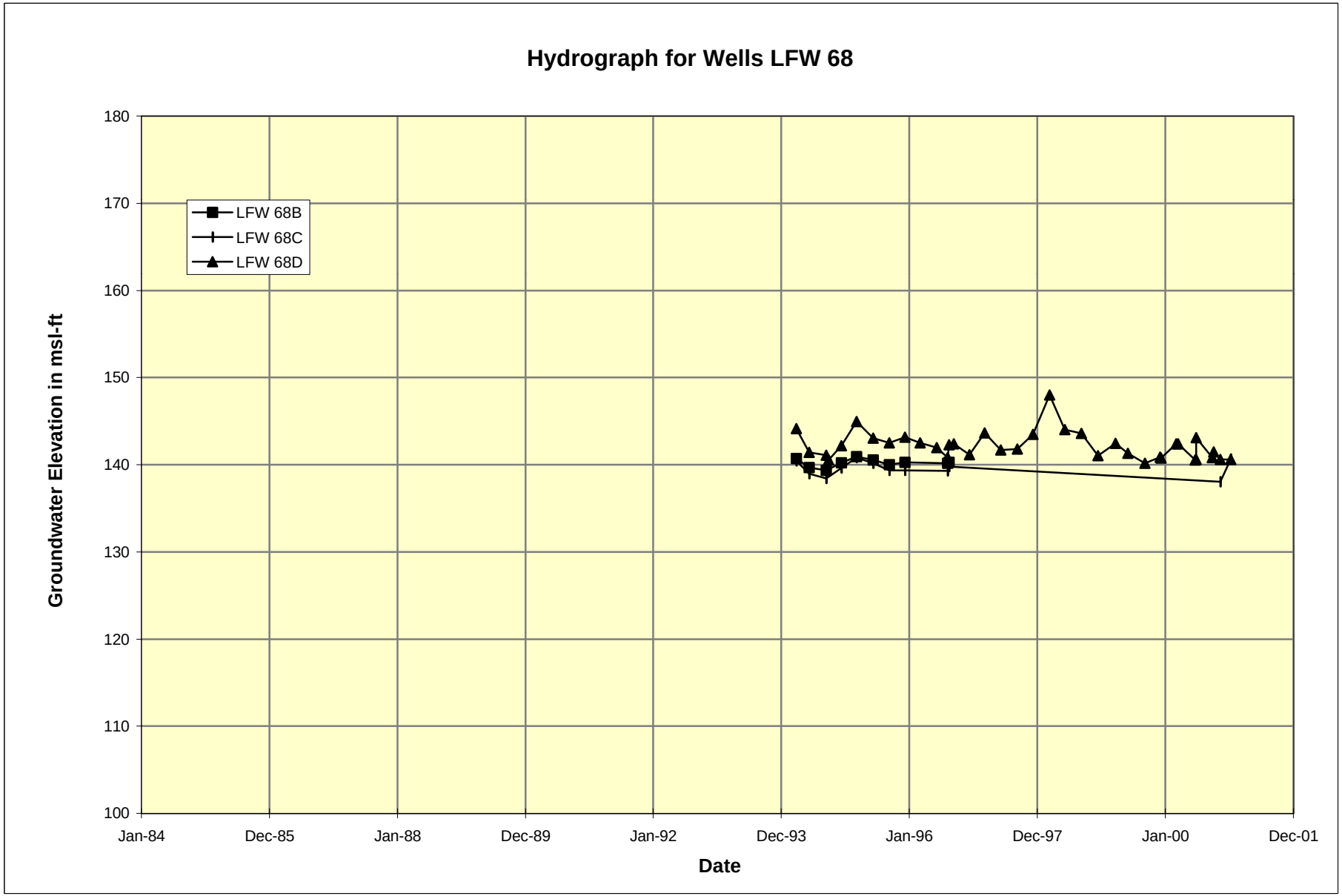
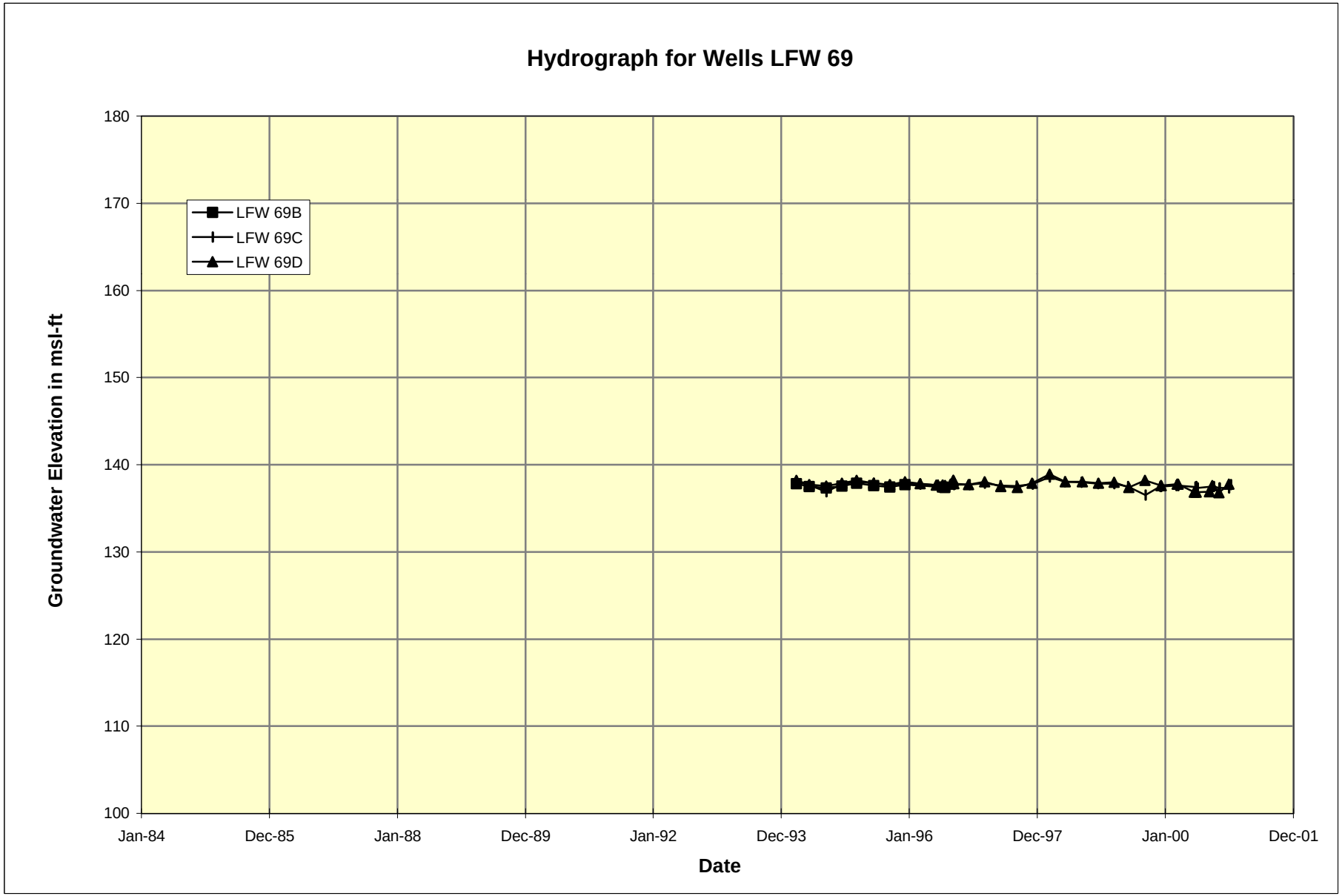
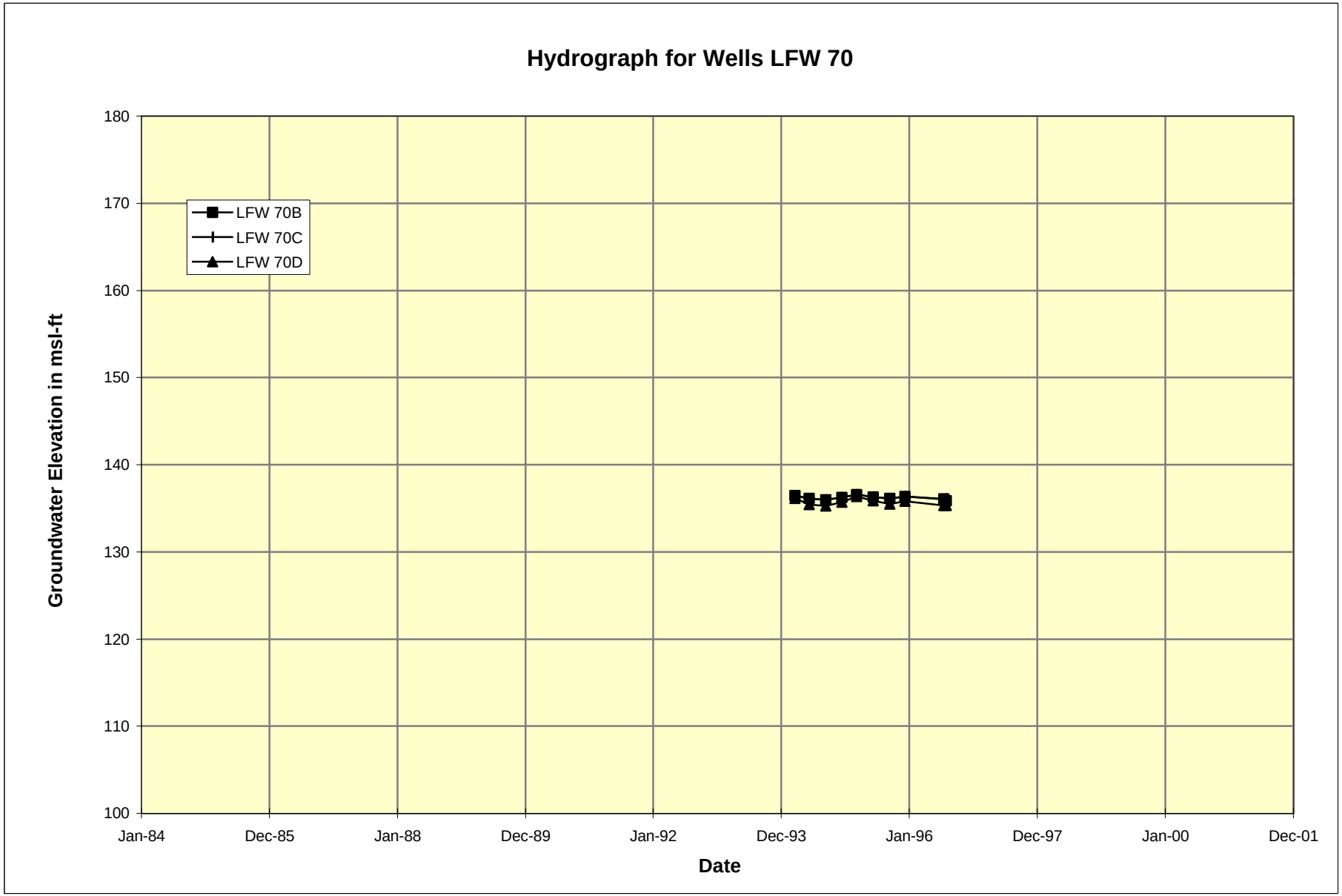
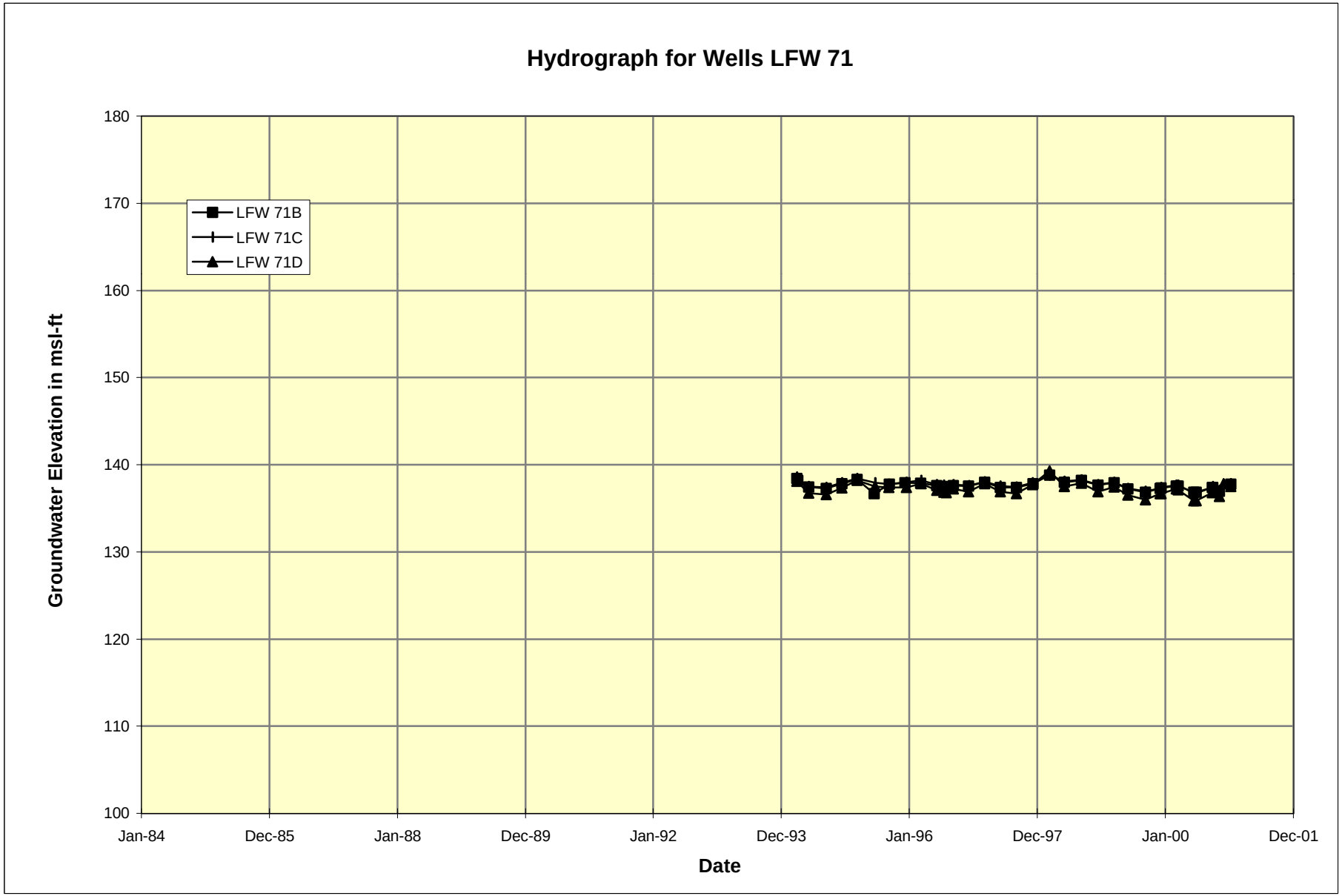
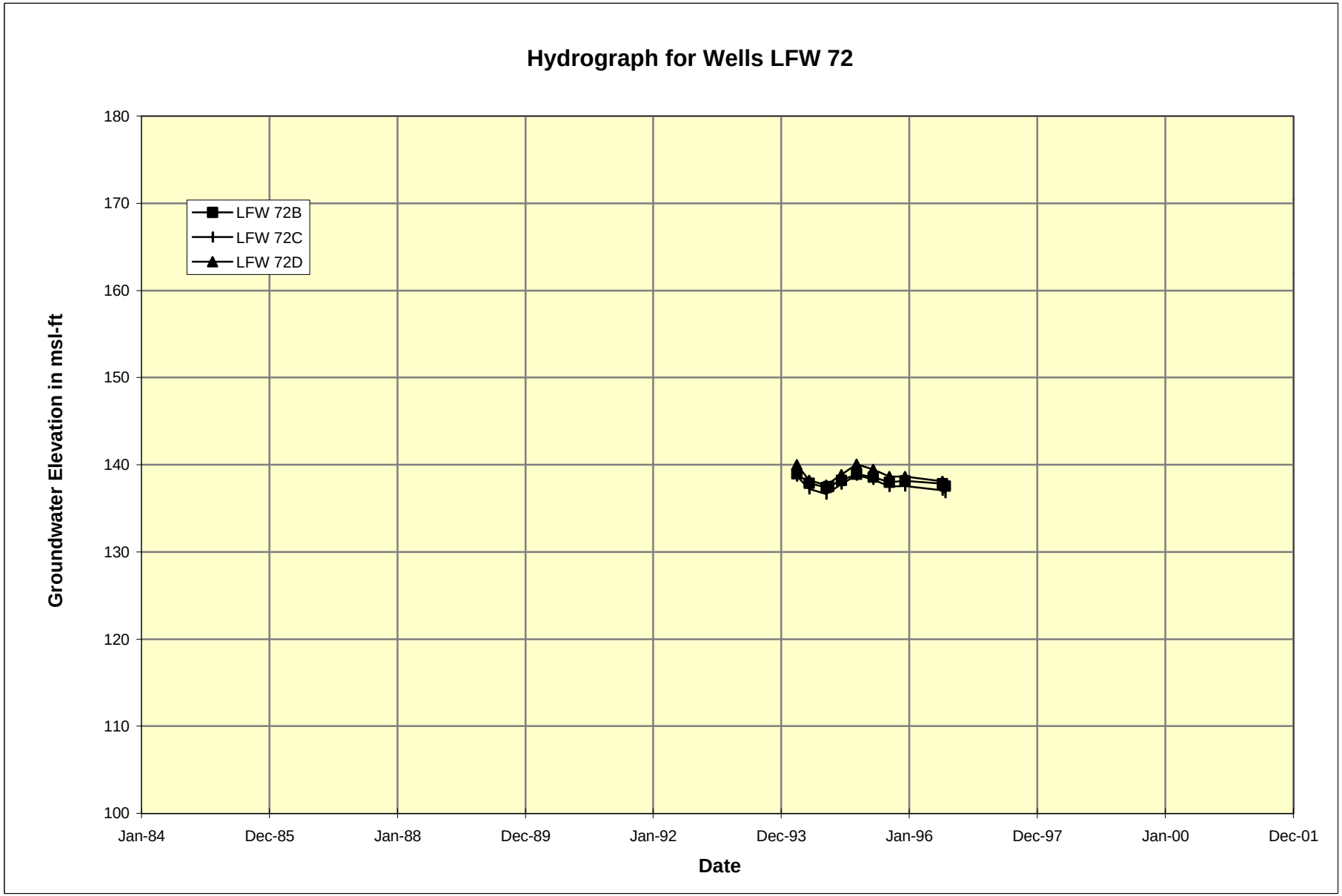
Date

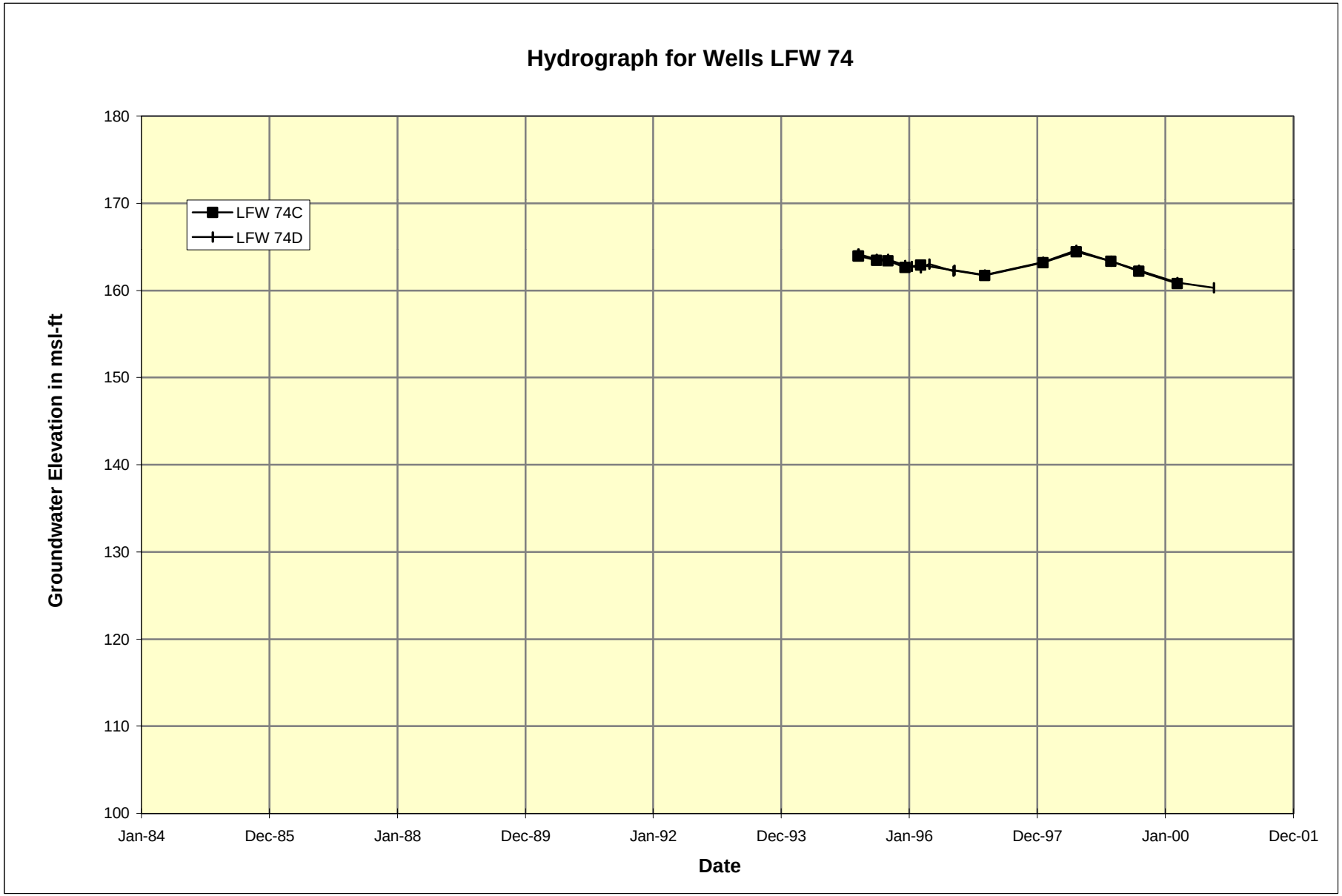

Hydrograph for Wells LFW 68
LFW 68B
LFW 68C
LFW 68D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date

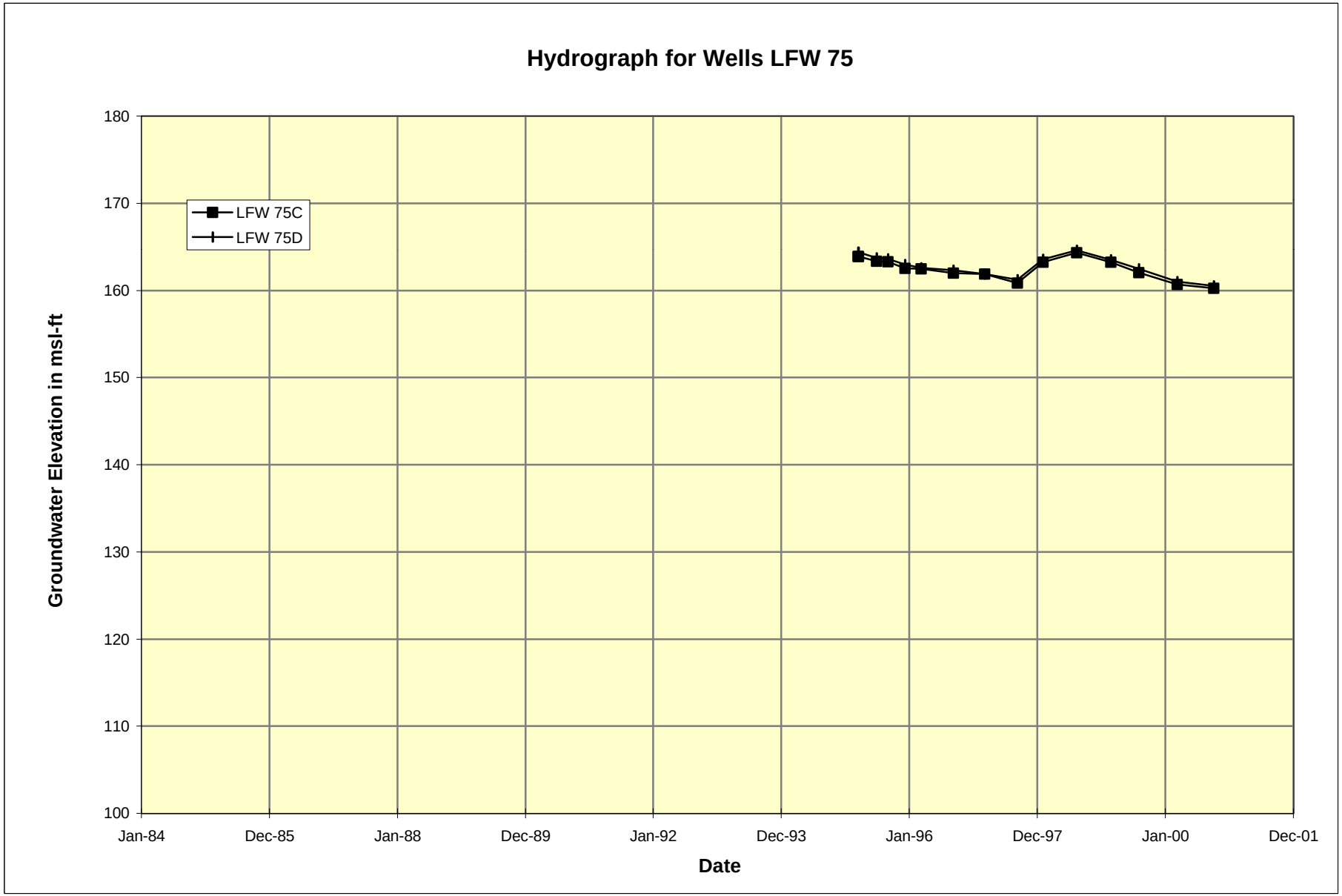

Hydrograph for Wells LFW 69
LFW 69B
LFW 69C
LFW 69D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date

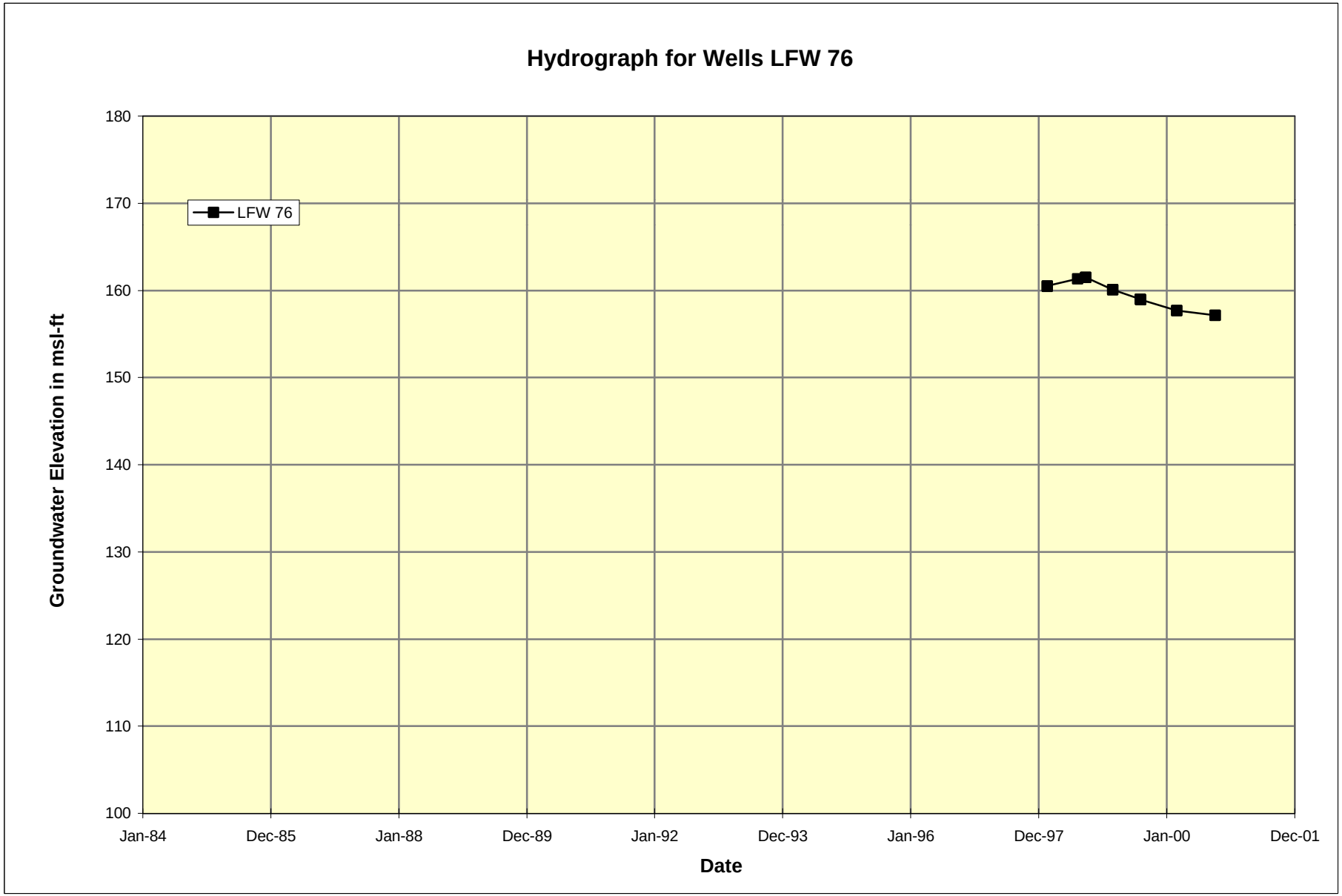

Hydrograph for Wells LFW 70
LFW 70B
LFW 70C
LFW 70D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date

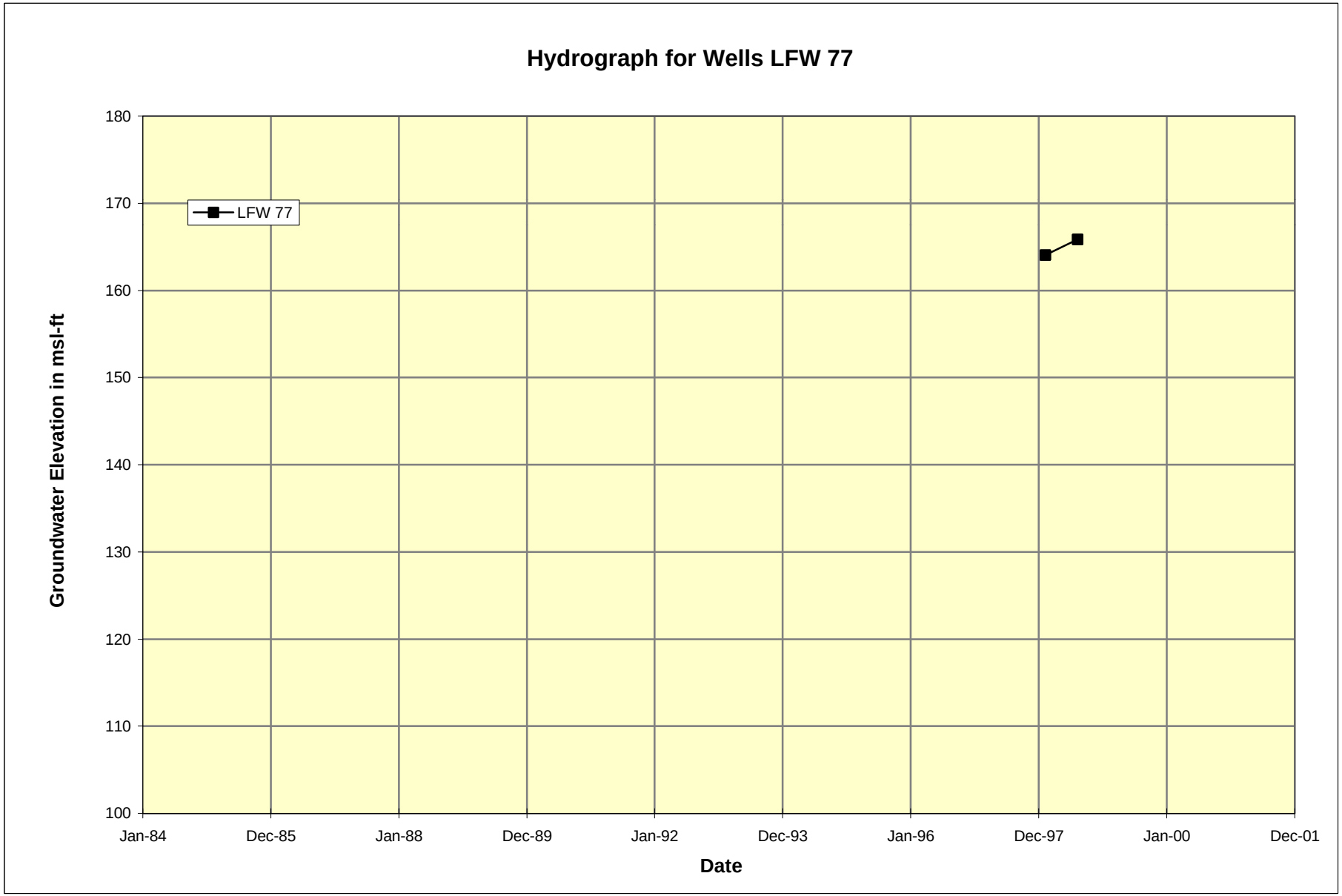

Hydrograph for Wells LFW 71
LFW 71B
LFW 71C
LFW 71D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date

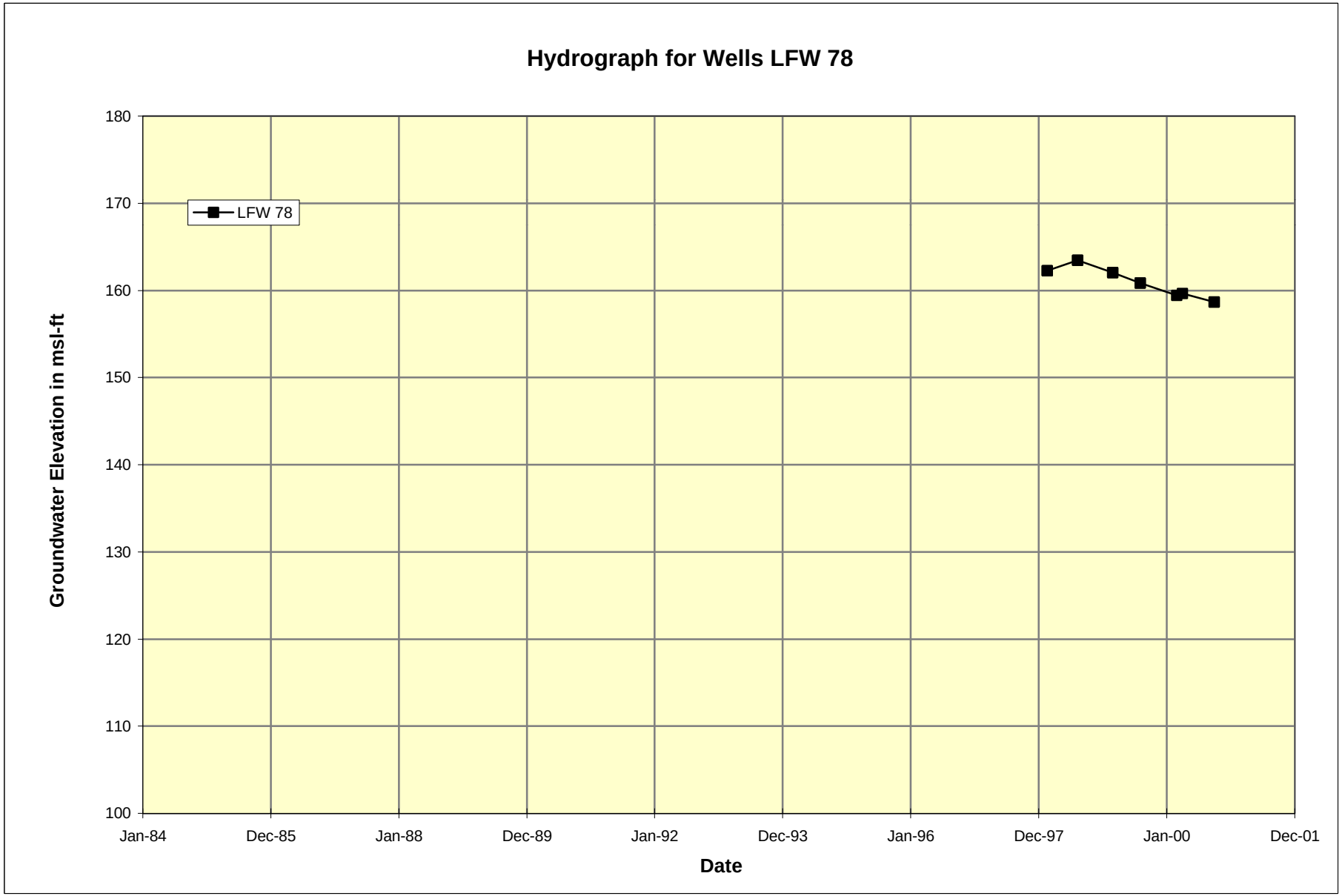

Hydrograph for Wells LFW 72
LFW 72B
LFW 72C
LFW 72D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 74
LFW 74C
LFW 74D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 75
LFW 75C
LFW 75D
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 76
LFW 76
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 77
LFW 77
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
Dec-93
Jan-96
Dec-97
Jan-00
Dec-01
Date


Hydrograph for Wells LFW 78
LFW 78
Groundwater Elevation in msl-ft
180
170
160
150
140
130
120
110
100
Jan-84
Dec-85
Jan-88
Dec-89
Jan-92
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Jan-96
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Jan-00
Dec-01
Date

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Appendix G

Microbial Characterization of Sanitary Landfill Groundwater

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Table G-1. Chemical Data

Well	Sample Date	Chloride	Nitrate	Sulfate	TCE (ug/L)	PCE (ug/L)	dichlorodifloromethane	vinyl chloride	Methlyene Chloride	Benzene	Methane (ppmv in 10 ml sample)	Notes
LFW 36R	May-99	6.3	1	1.4	5	5					4,747	
LFW 58D	May-99	43.1	1	4.1	7.04	3.7						
LFW 59D	May-99				6.03	31.5						
LFW 61C	May-99	7.5	1.9	1								
LFW 61D	May-99	5	1.6	1.7	8.9	13.5					882	
LFW 62B	May-99	3.4	3.9	5.5								
LFW 62C	May-99	22.7	5	1								
LFW 62D	May-99	37.1	1	5.8	5.93	3.7					11,085	
LFW 63B	May-99	3.5	4.2	12.9								
LFW 63C	May-99	3.5	7.9	2.3								
LFW 63D	May-99	4.7	2	1.5	5.93	2.3					3,310	
LFW 64B	May-99	3.2	1.9	18.2								
LFW 64C	May-99	3.4	5.3	14.4								
LFW 64D	May-99	5.1	1	2.2	6.83	5						
LFW 67B	May-99	3.4	4.7	9.2								
LFW 67C	May-99	27.9	1	1.6	5	6.4					180,091	
LFW 67D	May-99	10.4	2	2.4	19.2	11.5					695	
LFW 71B	May-99	3.3	5	8.9								
LFW 71C	May-99	4	11.1	2.3								
LFW 71D	May-99	3.4	1.3	1.7	1	1					ND	
LFW 8R	Sep-99	8.08	0	6.6	0.0	0.0	5.8	18.5	0.0	1.0		
LFW 36R	Sep-99	7.58	0	2.07	0.0	0.0	1.0	22.6	0.0	1.0		
LFW 41R	Sep-99	2.6	1.56	20.04	1.0	1.0	5.4	2.1	0.0	0.0		
LFW 47D	Sep-99	3.93	9.9	6.67	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 56D	Sep-99	3.27	1.16	3.58	0.0	0.0	1.9	0.0	0.0	0.0		
LFW 59D	Sep-99	6.81	2.88	1.26	28.9	35.1	56.8	7.0	32.4	4.2		
LFW 62D	Sep-99	55.79	0	5.81	7.6	1.8	18.1	25.2	7.2	18.8		
LFW 63B	Sep-99	1.65	0.92	12.77	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 63C	Sep-99	1.8	4.53	8.85	0.0	0.0	0.0	0.0	0.0	1.0		
LFW 63D	Sep-99	8.79	0.5	2.26	1.0	1.0	1.8	13.7	1.1	0.0		
LFW 64C	Sep-99	1.35	0.5	17.95	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 64D	Sep-99	5.98	0.5	3.82	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 67B	Sep-99	1.47	1.91	8.33	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 67D	Sep-99				14.9	4.3	39.9	2.2	0.0	1.0		

Table G-1. Chemical Data (continued)

Well	Sample Date	Chloride	Nitrate	Sulfate	TCE (ug/L)	PCE (ug/L)	dichlorodiflo romethane	vinyl chloride	Methlyene Chloride	Benzene	Methane (ppmv in 10 ml sample)	Notes
LFW 71B	Sep-99	1.53	2	5.83	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 71C	Sep-99	2	7.18	5.41	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 71D	Sep-99	2.89	0.5	2.17	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 8R	Apr-00	6.74		4.97	4	4	4	4	0	4		
LFW 36R	Apr-00	9.60	2.18	2.03	4	4	4	0.0	0.0	4		
LFW 41R	Apr-00	4.24	3.40	1.89	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 47D	Apr-00	4.60	5.78	5.19	4	0.0	0.0	0.0	0.0	0.0		
LFW 56D	Apr-00	4.33	2.70	1.90	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 58D	Apr-00	25.54	1.95	4.03	0.0	<4	0.0	0.0	0.0	0.0		
LFW 59B	Apr-00	3.28	2.38	7.48	0.0	0.0	0.0	0.0	0.0	0.0		
LFW 59C	Apr-00	18.66	2.01	5.24	4	11	0.0	0.0	0.0	0.0		
LFW 59D	Apr-00	6.04	3.92	1.98	6	15	7	0.0	0.0	0.0		
LFW 61C	Apr-00	11.72		2.08	4	4	0	0.0	0.0	0.0		
LFW 62B	Apr-00	3.35	2.91	6.73	4	4	8	0	0	0		
LFW 62D	Apr-00	28.89		5.08	4	4	0	10	0	4		
LFW 63B	Apr-00	3.37	2.94	11.01	4	4	0	0	0	0		
LFW 63C	Apr-00	3.47	4.64	6.42	0	0	0	0	0	0		
LFW 63D	Apr-00	7.21	3.96	2.65								
LFW 64B	Apr-00	3.37		19.04	0	0	0	0	0	0		
LFW 64C	Apr-00	3.33	2.03	18.94	0	0	0	0	0	0		
LFW 64D	Apr-00	6.36		2.51	0	0	0	0	0	0		
LFW 67B	Apr-00	3.30	3.26	13.80	6	21	0	0	12	0		
LFW 67C	Apr-00	17.62		2.01	6	4	25	14	0	10		
LFW 67D	Apr-00	7.18	2.57	2.33	8	23	35	31	0	6		
LFW 71B	Apr-00	3.24	3.42	6.21	0	0	0	0	0	0		
LFW 71C	Apr-00	3.51	5.31	2.91	0	0	0	0	0	0		
LFW 71D	Apr-00	4.85	2.82	2.74	0	0	0	0	0	0		
LFW 8R	Jul-00	7.61	0.66	3.52	4	0	0	0	0	0		
LFW 36R	Jul-00	11.68	0.61	0.68	2	2	0	67	0	4		
LFW 41R	Jul-00	3.70	2.74	0.50								
LFW 47D	Jul-00	4.26	5.22	2.74								

Table G-1. Chemical Data (continued)

Well	Sample Date	Chloride	Nitrate	Sulfate	TCE (ug/L)	PCE (ug/L)	dichlorodiflo romethane	vinyl chloride	Methlyene Chloride	Benzene	Methane (ppmv in 10 ml sample)	Notes
LFW 56D	Jul-00	4.10	1.48	0.50								
LFW 58D	Jul-00	26.81	0.85	2.83								Exceeded hold time.
LFW 59B	Jul-00	3.24	0.83	13.19								
LFW 59C	Jul-00	17.62		2.52	2	10	10	42	4	6		
LFW 59D	Jul-00	5.93	3.20	0.50	2	2	0	0	4	0		
LFW 61C	Jul-00	8.54			5	3	25	10	0	5		
LFW 61D	Jul-00	8.19										
LFW 62B	Jul-00	2.57	2.24	13.59								
LFW 62D	Jul-00	38.37	0.59	4.85	13	4	111	23	4	30		
LFW 63B	Jul-00	2.61	1.81	11.51	0	0	0	0	0	0		
LFW 63C	Jul-00	2.48	3.63	6.16	0	0	0	0	0	0		
LFW 63D	Jul-00	11.07	6.31	1.17								
LFW 64B	Jul-00	2.51		26.61								
LFW 64C	Jul-00	2.39	1.91	32.45								
LFW 64D	Jul-00	7.06	0.9	1.58	0	0	0	40	0	0		
LFW 65B	Jul-00	2.55	0.70	19.71	0	0	0	0	0	0		
LFW 65C	Jul-00	2.54			0	0	0	0	0	0		
LFW 65D	Jul-00	6.32	0.79	6.42	0	0	0	0	0	0		
LFW 67B	Jul-00	2.26	2.31	17.99	0	0	0	0	0	0		
LFW 67C	Jul-00	16.03		0.75	0	0	0	258	0	5		
LFW 67D	Jul-00	6.8	1.45	1.22	2	3	35	20	0	0		
LFW 71B	Jul-00	2.98	2.78	17.74	0	0	0	0	0	4		
LFW 71C	Jul-00	3.00	5.27	9.14	0	0	0	0	0	0		

Table G-2. Microbial Data

Well	Plate Counts cfu/ml	AODC Spring'99	AODC Fall'99	AODC Spring'00	AODC Fall'00	FA's Spring' 99	FA's Fall'99	FA's Spring'00	FA's Fall'00	MPN'S Spring'99	MPN'S Fall'99	MPN'S Spring'00	MPN'S Fall'00
LFW 36R	40.00	195720.42	194018.50	444200.25	313568.47	0.00	1225.62	1634.00	204.26	4800.00	42.20	4600.00	
LFW 41R	225.00	50921.35	25460.67	30464.31	9327.42	40.85	81.71	20.43	32.68	18.36	<0.7	4.60	
LFW 47D	590.00	3676.14	5514.21	25188.37	22468.60	748.92	95.33	1293.58	204.25	1.83	<0.7	>0.7	
LFW 56D	1700.00	264222.56	126251.27	179722.40	305587.92	0.00	0.00	81.70	0.00	84.38	1.83	46.09	
LFW 58D	515.00	409594.61	----	155214.80	273508.22	0.00	----	408.50	0.00	3000.00	----	14.84	
LFW 59B	105.00	24834.37	221249.17	25426.64	85393.22	122.55	285.98	1327.63	----	<0.7	463.00	14.84	
LFW 59C	465.00	12253.80	----	16849.80	154076.25	68.08	----	0.00	68.08	850.00	----	850.00	
LFW 59D	55.00	144322.53	29409.12	269875.36	83767.10	49.52	0.00	245.12	340.43	42.19	0.71	84.38	
LFW 61C	14200.00	825089.20	272306.67	94966.95	251994.67	0.00	81.71	367.65	0.00	>22000	550.00	184.38	
LFW 61D	315.00	244508.69	1047699.90	----	----	0.00	1389.04	----	0.00	29.30	84.40	----	
LFW 62B	305.00	9258.43	59907.47	13955.72	55032.88	81.71	7489.90	0.00	20.43	8.50	18.40	2.93	
LFW 62C	610.00	462240.57	46632.52	----	----	340.42	0.00	----	----	3000.00	184.00	----	
LFW 62D	8250.00	2266953.00	1817647.00	921122.40	2225262.60	163.40	1089.44	102.13	0.00	22000.00	84.40	46.09	
LFW 63B	1360.00	47381.36	14749.94	6263.67	19500.07	34.05	61.28	68.08	0.00	42.19	1.83	2.93	
LFW 63C	140.00	8904.43	6208.59	6637.48	455602.59	0.00	95.33	61.28	142.98	18.36	<0.7	1.83	
LFW 63D	205.00	279795.10	234183.73	5514.48	786863.00	40.85	81.71	0.00	680.83	184.38	46.10	293.75	
LFW 64B	0.00	10946.73	9530.73	7352.28	25524.79	81.70	61.28	20.43	16.34	2.93	4.60	29.30	
LFW 64C	105.00	2314.61	64162.26	15793.79	13285.35	142.98	817.08	0.00	0.00	0.71	<0.7	>0.7	
LFW 64D	100.00	77293.20	60247.85	77611.20	202980.56	40.85	81.71	0.00	170.21	850.00	46.10	850.00	
LFW 65B	970.00	14941.04	101298.08	53445.42	28931.88	51.07	65.37	16.34	0.00	0.18	<0.7	----	
LFW 65C	955.00	5146.60	20860.64		450038.49	81.71	136.18	20.43	0.00	<0.7	<0.7	----	
LFW 65D	110.00	37169.86	265499.00	----	54378.38	10.61	245.12	----	0.00	0.46	<0.7	----	
LFW 67B	515.00	12439.46	5105.75	7188.90	21209.61	61.28	71.49	108.93	17.02	<0.7	<0.7	>0.7	
LFW 67C	230.00	6045.21	----	100758.40	117570.25	714.91	----	0.00	1470.60	84.38	----	184.38	
LFW 67D	850.00	143369.46	167097.27	6331750.00	27060.88	618.97	612.81	122562.00	367.65	462.50	29.30	1850.00	
LFW 71B	310.00	5636.75	3659.12	2763.11	5520.42	40.85	27.24	16.34	0.00	8.50	<0.7	>0.7	
LFW 71C	115.00	8250.89	2654.99	1633.84	4527.55	40.85	61.28	40.85	70.43	<0.7	<0.7	1.47	
LFW 71D	200.00	3512.76	30362.19	16451.86	----	10.61	0.00	0.00	----	0.85	<0.7	0.71	

Table G-3. Physical Data

Well	Location (U/D Gradient)	Sample Date	Date Arrived	Well Level (feet)	Well Level (Total feet)	Temp.	O2 (%)	O2	Cond.	Cond.	Redox	pH	Time
LFW 36R	Up Gradient VC	May-99	Mar-99										
LFW 36R	Up Gradient VC	Sep-99				20.6		1.06		148		6.3	
LFW 36R	Up Gradient VC	May-00		21.8		19.45		0.2		40.94	-24.8	6.47	
LFW 36R	Up Gradient VC	Jul-00		22.71		19.38		8.91	0.011		368.5	5.86	
LFW 41R	Up Gradient TCE	May-99	Apr-99	27		19.9	71					4.66	9:45
LFW 41R	Up Gradient TCE	Sep-99				201		5.54		24		4.9	
LFW 41R	Up Gradient TCE	May-00		25.1		20.17		4.51	0.025		452.3	4.89	
LFW 41R	Up Gradient TCE												
LFW 47D	Up Gradient VC	May-99	Apr-99	10	13	18.4	73.9		0.056			4.77	12:06
LFW 47D	Up Gradient VC	Sep-99				22.4		3.62		57		5	
LFW 47D	Up Gradient VC	May-00		13.5		17.03		5.47	0.042		320.9	5.14	
LFW 47D	Up Gradient VC												
LFW 56D	Down Gradient VC	May-99				19.71		4.85	0.019		398.5	5.04	
LFW 56D	Down Gradient VC	May-99	Apr-99	27		17.1	32.8		0.022			5.03	11:25
LFW 56D	Down Gradient VC	Sep-99				19.9		2.26		23		4.9	
LFW 56D	Down Gradient VC												
LFW 58D	Down Gradient VC	May-99	Mar-99										
LFW 58D	Down Gradient VC	May-00		26.35		20.08		6.75		50.5	249	5.97	
LFW 58D	Down Gradient VC	Jul-00		25.76		21.8		8.36	0.125		389	6.09	
LFW 59B	Up Gradient TCE	May-99	Apr-99	25.5		18.9	54.7		0.052			3.8	14:54
LFW 59B	Up Gradient TCE	Sep-99				22.8		3.61		3.8	272	3.8	
LFW 59B	Up Gradient TCE	May-00		26		20.32		2.31	0.041		446.8	4.24	
LFW 59B	Up Gradient TCE												
LFW 59C	Up Gradient TCE	May-99	Apr-99	0		20.7	69.8		0.094			5.06	12:44
LFW 59C	Up Gradient TCE	May-00		28.3		20.6		0.23	0.116		236.5	5.317	
LFW 59C	Up Gradient TCE	Jul-00		23.5		20.53		0.36	0.106		315.1	5.35	
LFW 59D	Up Gradient TCE	Mar-99	Mar-99										
LFW 59D	Up Gradient TCE	Sep-99				21		1.84		44		4.7	
LFW 59D	Up Gradient TCE	May-00		25.5		22.67		9.63	0.03		265.8	5.21	
LFW 59D	Up Gradient TCE	Jul-00		24.03		21.13		11.74	0.031		399.4	5.34	

Table G-3. Physical Data (continued)

Well	Location (U/D Gradient)	Sample Date	Date Arrived	Well Level (feet)	Well Level (Total feet)	Temp.	O2 (%)	O2	Cond.	Cond.	Redox	PH	Time
LFW 61C	Up Gradient TCE	May-99	Apr-99	64		19.8	60.8		0.081			5.06	
LFW 61C	Up Gradient TCE	Sep-99				28.25		1.8		0.284	-229	6.36	
LFW 61C	Up Gradient TCE	May-00		18.7		20.79		0.07		143	-230	7.01	
LFW 61C	Up Gradient TCE	Jul-00		23.65		20.58		0.1	0.322		-189.3	6.87	
LFW 61D	Up Gradient TCE	May-99	Mar-99										
LFW 61D	Up Gradient TCE	Sep-99				26.55		3		0.268	-121	5.99	
LFW 61D	Up Gradient TCE	May-00		25.32									
LFW 61D	Up Gradient TCE	Jul-00		24.65		21.44		3.15	0.12		-3.3	6.33	
LFW 62B	Up Gradient TCE	May-99	Apr-99	26	51.5	18.9	52.9		0.038			4.34	2:15
LFW 62B	Up Gradient TCE	Sep-99				23.6		4.01		36	259	3.86	
LFW 62B	Up Gradient TCE	May-00		22.4		19.89		3.91	0.033		391	4.45	
LFW 62B	Up Gradient TCE												
LFW 62C	Up Gradient TCE	May-99	Apr-99	26	33	21.9	19		0.082			4.62	1:15
LFW 62C	Up Gradient TCE	Sep-99				24		14.9		0.074	253	4.39	
LFW 62C	Up Gradient TCE												
LFW 62D	Up Gradient TCE	Mar-99	Mar-99										
LFW 62D	Up Gradient TCE	Sep-99				22.96		3.04		219		5.6	
LFW 62D	Up Gradient TCE	May-00		22.2		24.29		2.95	0.147		107.2	5.62	
LFW 62D	Up Gradient TCE	Jul-00		21.88		22.57		0.53	0.183		206	5.5	
LFW 63B	Down Gradient VC	May-99	Apr-99	28	10	18.5	69.4					4.1	10:41
LFW 63B	Down Gradient VC	Sep-99				19.9		2.75		59		4.1	
LFW 63B	Down Gradient VC	May-00		27.68		19.83		3.17	0.055		468.7	4.14	
LFW 63B	Down Gradient VC	Jul-00		28.94		19.67		2.84	0.06		523.2	4.02	
LFW 63C	Down Gradient VC	May-99	Apr-99	27	40	18.9	46		0.058			3.78	10:44
LFW 63C	Down Gradient VC	Sep-99				20		2.3		53		5	
LFW 63C	Down Gradient VC	May-00		28.05		20.08		8.73	0.03		440.7	4.55	
LFW 63C	Down Gradient VC	Jul-00		29.22		19.58		8.36	0.036		523.5	4.45	
LFW 63D	Down Gradient VC	Mar-99	Mar-99										
LFW 63D	Down Gradient VC	Sep-99				20		2.3		53		5	
LFW 63D	Down Gradient VC	May-00		28.6		19.39		1.4	0.061		186.5	5.73	
LFW 63D	Down Gradient VC												

Table G-3. Physical Data (continued)

Well	Location (U/D Gradient)	Sample Date	Date Arrived	Well Level (feet)	Well Level (Total feet)	Temp.	O2 (%)	O2	Cond.	Cond.	Redox	pH	Time
LFW 64B	Down Gradient VC	May-99	Apr-99	87	11	18.4	1.5		0.068			3.77	16:01
LFW 64B	Down Gradient VC	Sep-99				18.3	0.02		0.07		328	3.43	
LFW 64B	Down Gradient VC	May-00		12.1		19.26		0.18	0.056		443.7	4.12	
LFW 64B	Down Gradient VC												
LFW 64C	Down Gradient VC	May-99	Apr-99	49	16	18.6	65.4		0.074			3.6	16.22
LFW 64C	Down Gradient VC	Sep-99				19.4		1.56		72		4	
LFW 64C	Down Gradient VC	May-00		11.8		19.05		0.46	0.065		445.6	4.04	
LFW 64C	Down Gradient VC												
LFW 64D	Down Gradient VC	Mar-99	Mar-99										
LFW 64D	Down Gradient VC	Sep-99				19.7		2.86		45		5.6	
LFW 64D	Down Gradient VC	May-00		12.1		18.81		0.13	0.04		303	5.31	
LFW 64D	Down Gradient VC	Jul-00		12.74		18.44		0.68	0.049		298.6	5.43	
LFW 65B	Down Gradient TCE	Jul-00		11.52		20.08			0.047		479.2	4.31	
LFW 65C	Down Gradient TCE	Jul-00		11.92		19.65		6.98	0.03		489.4	4.71	
LFW 67B	Down Gradient TCE	May-99	Apr-99	79	19	19	68.8		0.056			3.89	17.43
LFW 67B	Down Gradient TCE	Sep-99				20.2		4.08		53		4.2	
LFW 67B	Down Gradient TCE	May-00		19.82		19.84		4.35	0.045		515.3	4.21	
LFW 67B	Down Gradient TCE	Jul-00		19.85		22.48		6.3	0.041		409.5	5.02	
LFW 67C	Down Gradient TCE	May-99	Mar-99										
LFW 67C	Down Gradient TCE	May-00		18.3		20.04		0.1	0.259		-141	6.72	
LFW 67C	Down Gradient TCE	Jul-00		19.74		20.16		0.07	0.289		-157	6.73	
LFW 67D	Down Gradient TCE	May-99	Mar-99										
LFW 67D	Down Gradient TCE	Sep-99				20.8		3.06		71		4.9	
LFW 67D	Down Gradient TCE	May-00		17.7		19.1		7.27	0.038		321	5.01	
LFW 67D	Down Gradient TCE	Jul-00		17.05		19.26		8.51	0.042		324	4.94	
LFW 71B	Down Gradient TCE	May-99	Apr-99	38	11	18.7	80.2		0.05			3.85	16:56
LFW 71B	Down Gradient TCE	Sep-99				19.8		4.63		45		4.2	
LFW 71B	Down Gradient TCE	May-00		10.08		19.67		5.71	0.04		490.7	4.26	
LFW 71B	Down Gradient TCE	Jul-00		10.48		19.76		5.95	0.046		498.9	4.18	

Table G-3. Physical Data (continued)

Well	Location (U/D Gradient)	Sample Date	Date Arrived	Well Level (feet)	Well Level (Total feet)	Temp.	O2 (%)	O2	Cond.	Cond.	Redox	pH	Time
LFW 71C	Down Gradient TCE	May-99	Apr-99	55	10	18.8	102.8		0.038			4.22	17:10
LFW 71C	Down Gradient TCE	Sep-99				20.4		5.13		21		4.9	
LFW 71C	Down Gradient TCE	May-00		10.35		19.72		8.45	0.04		487.4	4.62	
LFW 71C	Down Gradient TCE	Jul-00		10.65		19.81		9	0.036		498	4.52	
LFW 71D	Down Gradient TCE	Mar-99	Mar-99										
LFW 71D	Down Gradient TCE	Sep-99				20		5.99		36		4.6	
LFW 71D	Down Gradient TCE	May-00		11.4		18.21		7.83	0.023		480.7	4.82	
LFW 71D	Down Gradient TCE	Jul-00		11.68		19.02		7.6	0.029		487.8	4.72	
LFW 8R	Up Gradient VC	Sep-99				20.3		1.04		223		6.5	
LFW 8R	Up Gradient VC	May-00		22.45		19.67		0.2	92.25		119	6.56	
LFW 8R	Up Gradient VC	Jul-00		22.25		19.86		0.09	0.219		137	6.49	