2009 ANNUAL PERFORMANCE MONITORING REPORT

CIRCUITRON SUPERFUND SITE EAST FARMINGDALE, NEW YORK

Prepared for
USACE, New York

Contract No. W9128F-04-D-0001
Delivery Order No. DH02

January 2010

URS

201 Willowbrook Boulevard
Wayne, New Jersey 07470
973.785.0700

Project 41785954

URS

January 15, 2010

Ms. Sharon Trocher – USEPA 290 Broadway New York, NY 10007-1866	1	Mr. Shewen Bian – USACE Metro East Resident Office 137C Poly Place, Suite 4B Fort Hamilton Military Community Brooklyn, NY 11252	1
Mr. Rob Alvey – USEPA 290 Broadway New York, NY 10007-1866	1	Mr. Jeff Trad – NYSDEC 625 Broadway Albany, NY 12233-7013	1

Re: Circuitron Corporation Superfund Site
2009 Annual Performance Monitoring Report

Please find enclosed your copy of the 2009 Annual Performance Monitoring Report, for the above referenced Site, prepared by URS in accordance with the terms outlined in the scope of work for the current contract mod (W9128F-04-D-0001-DH02 Year 2). This report evaluates the 2009 monitoring well sampling results and water levels obtained through the July 2009 Performance Monitoring Period.

Please do not hesitate to contact Mr. Doug Gray directly via phone at 216-622-2283 or via e-mail at doug_gray@urscorp.com if you have any questions.

Very truly yours,

Anping Zheng
Water Resources Specialist

cc. Mr. Doug Gray – URS, Cleveland, OH

URS Corporation
201 Willowbrook Blvd, FL3
Wayne, NJ 07470
Tel: 973-785-0700
Fax: 973-785-0023
www.urscorp.com

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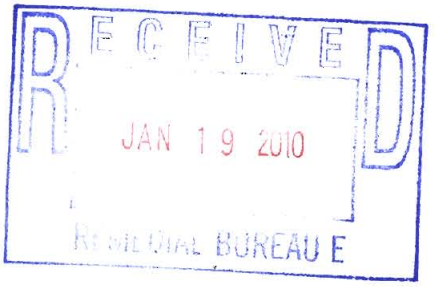

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List of Acronyms

1,1,1-TCA	1,1,1-trichloroethane
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
1,2-DCE	1,2-dichloroethene (total)
bgs	below ground surface
FFS	Focused Feasibility Study
FID	Flame Ionization Detector
GAC	Granular Activated Carbon
GC/MS	Gas chromatograph/mass spectrometer
gpm	Gallons per minute
µg/kg	Micrograms per kilogram
µg/l	Micrograms per liter
O&M	Operation and Maintenance
OU-2	Operable Unit Two
PCE	Tetrachloroethene
PLC	Programmable Logic Controller
RCRA	Resource Conservation Recovery Act
REAC	Response Engineering and Analytical Contract
ROD	Record of Decision
SVE	Soil Vapor Extraction
TCE	Trichloroethene
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VOC	Volatile organic compound

1.0 INTRODUCTION

This is the 2009 Annual Performance Monitoring Report for the Circuitron Corporation Superfund Site located in East Farmingdale, New York (Figure 1-1). This report presents an assessment of the groundwater data collected to date for the period January 1999 to July 2009, in accordance with the selected remedy for the site as described in the Record of Decision (ROD) (United States Environmental Protection Agency [USEPA], 1994) for Operable Unit Two (OU-2). The annual report is prepared on a regular schedule and incorporates new performance monitoring data. Since metals analysis was eliminated after the 2003 sampling event, this report does not contain all the historical metals data previously presented. Refer to the 2003 Annual Performance Monitoring Report for the metals data collected from January 1999 to April 2003.

This section of the report provides background information for the Circuitron Superfund Site, including a description of the extraction well system, the network of performance monitoring wells, and the monitoring schedule. Section 2 introduces the technical approach for the performance monitoring evaluation. Section 3 presents an assessment of the groundwater flow patterns for the site with respect to the modeled and the observed zones of capture for the OU-2 remedy system. Section 4 provides a summary of groundwater quality data collected at the site. Section 5 presents a summary of the findings and conclusions. Section 6 presents recommendations for the site, and Section 7 provides the reference materials used for the preparation of this report.

1.1 BACKGROUND

Based on the results of the Focused Feasibility Study (FFS) for OU-2, completed by Roy F. Weston (Weston, 1994), elevated levels of both organic and inorganic compounds were detected in the Upper Glacial Aquifer below and near the Circuitron site. The Upper Glacial Aquifer is described as the water table aquifer that extends to a depth of 70 to 80 feet below the ground surface (bgs) at the site and overlies the Magothy Aquifer. Elevated levels (exceeding Federal and State Groundwater Drinking Water Standards) of 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene (1,1-DCE), chromium, and copper were detected in the groundwater in the upper portions (less than 40 feet bgs) of the Upper Glacial Aquifer. These detections were attributed to the Circuitron facility (see Figure 1-2). Similar compounds were also detected at elevated levels in the deeper portions (greater than 60 feet bgs) of the Upper Glacial Aquifer and in the underlying Magothy Aquifer in wells located on-site, as well as in monitoring wells

located upgradient and downgradient of the site. These deeper zone detections are believed to be the result of off-site sources other than Circuitron (Weston, 1994). After the FFS was completed, a ROD for OU-2 was signed on September 30, 1994. The selected remedy consisted of the removal of organics and inorganics from the groundwater within the upper portion of the Upper Glacial Aquifer via air stripping and metal precipitation, respectively, and re-injection of the treated groundwater. Groundwater extraction for treatment from the deeper portion of the Upper Glacial Aquifer, and the Magothy Aquifer was not included as part of the OU-2 remedy for the site. The major components of the OU-2 remedy include the following:

- Extraction of the site-related groundwater contaminant plume present in the upper 40 feet (i.e., top portion) of the saturated Upper Glacial Aquifer;
- Treatment, via precipitation and air stripping, of contaminated groundwater to drinking water standards;
- Re-injection of the treated groundwater into the Upper Glacial Aquifer via an infiltration gallery, and
- Disposal of treatment residuals at a Resource Conservation Recovery Act (RCRA) Subtitle C Facility.

1.2 GROUNDWATER EXTRACTION SYSTEM

For the OU-2 remedy, groundwater flow and contaminant transport modeling was performed (Radian, 1999) to assist in the final design of the treatment system. Specifically, modeling was used to determine the placement and pumping rates of proposed extraction wells. Several scenarios of groundwater extraction well placement and pumping rates were considered for the OU-2 remedy design. The selected design consisted of three (3) extraction wells pumping at a total rate of 80 gallons per minute (gpm), a treatment system, and re-injecting treated groundwater into a trench located at the northern (upgradient) end of the site. The system initiated operations on June 28, 2000.

Additional groundwater modeling was performed by URS in 2005 to evaluate the effect of halting pumping at downgradient extraction wells RW-2 and RW-3 as recommended in the Streamlined Remediation System Evaluation (RSE-Lite) report (GeoTrans, 2005). The results of the additional modeling and the RSE-Lite report were included as Appendices D and E, respectively, in the 2005 Annual Performance Monitoring Report (URS, 2005).

Both URS and the USEPA concurred that extraction well RW-3 could be shut off in 2005 and that prior to shutdown of RW-3, groundwater from all three of the extraction wells

would be sampled. The analysis showed that with the exception of 1,1-dichloroethane (1,1-DCA) and 1,1,1-TCA, all volatile organic compounds (VOCs) were below method detection limits in groundwater obtained from extraction wells RW-1, RW-2 and RW-3. The level of 1,1-DCA detected in well RW-2 was 19 micrograms per liter (µg/l). The level of 1,1,1-TCA detected was 4 µg/l from well RW-1, 18 µg/l from RW-2, and 3 µg/l from RW-3. Based on these results, USEPA agreed that RW-2 should not be turned off.

The groundwater modeling performed by URS evaluated several pump scenarios, the first with wells RW-1 and RW-2 pumping, RW-3 shut down, and the second with only well RW-1 pumping. The resulting capture zones were compared to the current area where concentrations of 1,1,1-TCA exceed the standard of 5 µg/L. The modeling concluded that the capture zone created by wells RW-1 and RW-2 is sufficient to maintain hydraulic control of the affected area. Based on the recommendation of the RSE-Lite report to stop pumping at well RW-3 and supported by the groundwater modeling, well RW-3 was shut down on January 5, 2005.

The groundwater extraction system currently consists of two extraction wells (RW-1 and RW-2) each equipped with a submersible well pump and piping that discharges groundwater to an on-site treatment plant. The extraction wells are positioned to pump groundwater from two areas to accomplish groundwater capture around the subject site area. Each well is constructed with a 15-foot long ASTM-A-304 stainless steel screen connected to ASTM-A-304 Schedule 40 stainless steel riser. The bottoms of the well screens for RW-1 and RW-2 were both installed to a depth of 56 feet bgs. The extraction well locations are presented in Figure 1-2. Each extraction well is pumped intermittently based on water levels in the extraction wells and the water levels in both the equalization tank and in the building sump inside the groundwater treatment plant (remediation system) building. The results of the 2005 modeling indicate that the combined flow rate of the two extraction wells should be operated at a total flowrate of 40 gpm. Currently, the system is operating four to six hours every two weeks.

1.3 GROUNDWATER MONITORING SYSTEM

Currently, there is a network of 19 performance monitoring wells located at and around the Circuitron Site that are used for groundwater monitoring of the OU-2 remedy. Shallow wells are those wells screened in the shallow portion of the Upper Glacial Aquifer (i.e., 34 to 40 feet deep). Deep wells are those wells screened in the deeper portion of the Upper Glacial Aquifer or Magothy Aquifer (i.e., 99 to 101 feet deep). Of the 19 performance monitoring wells, 12 are shallow and seven are deep. For the Performance Monitoring period of

June 2000 to July 2009, water level data and groundwater quality data were collected from each well in the network. Water levels were measured monthly from each well in the network and groundwater samples were collected quarterly for VOCs and semi-annually for inorganic analyses. In 2003, the monitoring well sampling frequency was reduced to annual sampling for VOCs and metals.

Based on URS' recommendations in the 2003 Annual Performance Monitoring Report, USEPA eliminated the requirement for annual metals sampling in the monitoring wells. The sampling method was also changed from the low-flow method to the diffusive bag method. These data are currently used to assess the performance of the treatment system and are discussed in Sections 3 and 4 of this report.

1.4 Process Observations and Changes

The Circuitron Project Team evaluated the recommendations of the RSE-Lite Report (January 2005) and with USEPA approval, implemented during 2005, those recommendations deemed appropriate. Prior to implementing the recommendation to install extra sets of filter bags, URS performed further evaluation. Based on successful histories at other Operation & Maintenance (O&M) sites with citric acid treatment, URS, with the concurrence of the USEPA, started on July 6, 2005 to introduce citric acid after the influent tank. The micron size of the filter bags was increased from 10 microns to 100 microns. In general, the results indicated reduction in the frequency of the filter bag changes caused no major decrease in the pH of the effluent. Acetone was detected in the effluent during the months after citric acid was introduced into the system.

With the success of the citric acid came the fouling of the reinjection trench. The Project Team decided that the best solution was to waterjet the trench 3 – 4 times a year and treat the reinjection trench with citric acid on an as-needed basis. This method continued until the mothballing of the treatment system in August 2007. On December 8, 2009, URS, with the concurrence of the USEPA, introduced 20 bags of 50-lb citric acid powder into the reinjection vault due to the fact that the water in the reinjection trench did not drain satisfactorily during the system running period, causing water overflow in the vault. The result of the citric acid injection lasted about 1 week before URS observed the water started to rise again when the system was running again. A frequent water jetting treatment on the reinjection trench is recommended.

1.5 Summary of Investigation of Chlorinated Source

Response Engineering and Analytical Contract (REAC) personnel provided technical assistance to EPA Region II and performed an investigation of the unsaturated/saturated zone in the southwestern corner of the Circuitron Corporation Site, near wells MW-4S and MW-4D. The objective of the REAC investigation was to determine if a residual source of 1,1,1-TCA remains. The results of this investigation were published by REAC in April 7, 2006 and are briefly summarized below.

During November 2005, REAC utilized direct push to install and sample 40 soil borings and 22 temporary monitoring wells located in the southwestern corner of the Circuitron Corporation Site, predominately near wells MW-4S and MW-4D. The soil borings provided continuous cores to a total depth of between 25 and 35 feet bgs. Based on screening of the soil cores for total VOCs using a Flame Ionization Detector (FID), 63 soil samples were analyzed using an on-site portable gas chromatograph/mass spectrometer (GC/MS) for VOC Target Compound List, which included trichloroethylene (TCE) and tetrachloroethylene (PCE). Six of these soil samples were sent to an analytical laboratory for confirmation. Twenty-two (22) one-inch diameter temporary monitoring wells were installed to a depth of 5 feet below the water table (total depth of 35 feet bgs). Groundwater was obtained using disposable bailers from each of these 22 wells plus existing wells MW-1S, -1D, -4S and -4D. The groundwater samples were analyzed for VOCs using an on-site GC/MS and six samples were sent to an analytical laboratory for confirmation.

The results of this effort indicated:

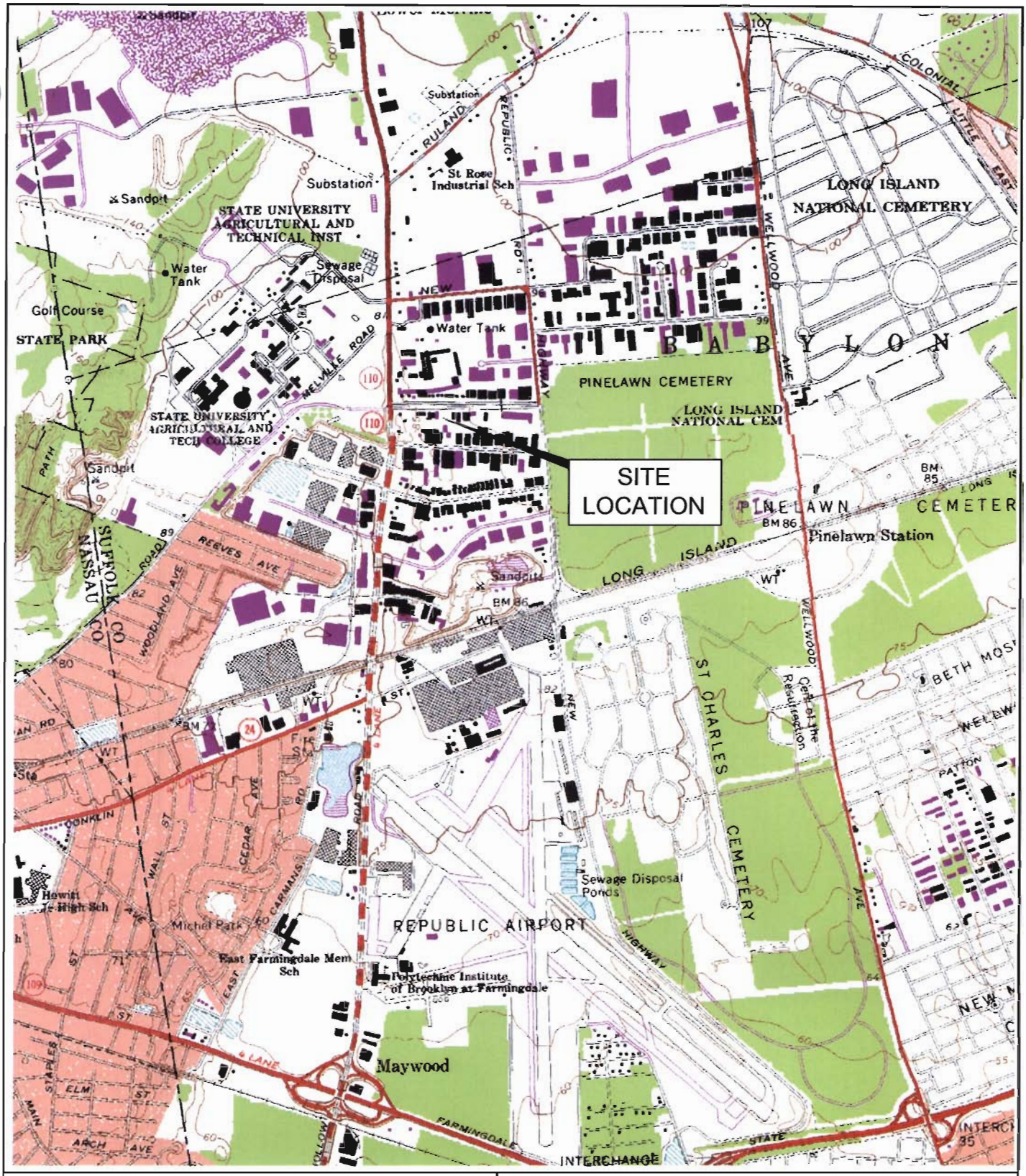
a) An accumulation of 1,1,1-TCA dissolved in groundwater surrounding well MW-4S, with a maximum 1,1,1-TCA concentration of 1,600 µg/l from temporary monitoring well SD-3, which is located 5 to 10 feet north of well MW-4S.

b) An accumulation of PCE dissolved in groundwater located approximately 50 feet north of well MW-4S, with a maximum concentration of 150 µg/l from temporary well R3.

c) An approximate 15-20 foot diameter area of soil, generally centered around well MW-4S, where 1,1,1-TCA has been detected with a maximum soil concentration of 21,900,000 µg/kg at a depth of 15 feet bgs.

d) An approximate 10-15 foot diameter area of soil, located approximately 50 feet north of well MW-4S, where PCE has been detected with a maximum soil concentration of 17,200 µg/kg.

In August 2007, USEPA and its contractor, under a separate contract, installed a soil vapor extraction (SVE) system for a pilot study. During the pilot study, the groundwater extraction and treatment system have been operated for approximately four to six hours every two weeks.



0 2000 4000

SCALE (FEET)

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MAP SOURCE:

U.S.G.S. 7.5 MINUTE SERIES QUADRANGLES OF HUNTINGTON, N.Y., DATED 1967, PHOTOREVISED 1979 AND AMITTYVILLE, N.Y. DATED 1969, PHOTOREVISED 1979.

SITE LOCATION MAP
CIRCUITRON CORPORATION SUPERFUND SITE
EAST FARMINGDALE, NEW YORK

URS
WAYNE, NEW JERSEY

DR. BY	JL	SCALE AS SHOWN	DWG. FIG 1-1.DWG		PROJ. NO. 19683807
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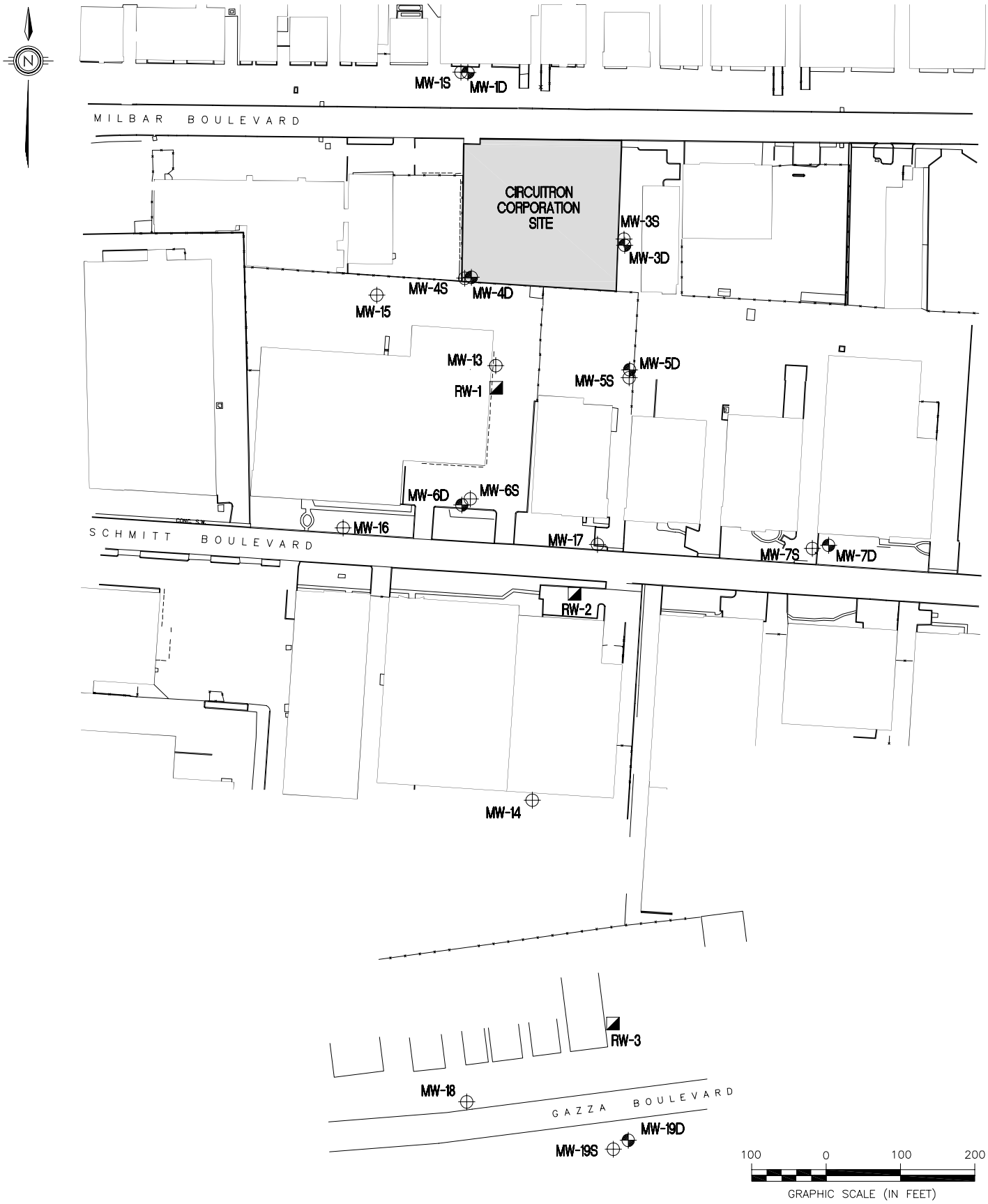

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL

Site Map

Circuitron Corporation Superfund Site
East Farmingdale, New York

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FILENAME: FIG 1-2.DWG	DATE: 4-29-03	FIGURE #: 1-2

2.0 TECHNICAL APPROACH

This evaluation assesses changes in the concentrations of site-specific compounds dissolved in groundwater relative to the observed zone of capture using hydraulic and water quality data collected during the Performance Monitoring period, which has been ongoing from January 1999 to July 2009. Isoconcentration maps, groundwater elevation contour and flow maps, and geochemical time-series graphs are used to assess the effectiveness of the remediation system for treating the groundwater present in the shallow portion of the Upper Glacial Aquifer. Portions of the deep Upper Glacial Aquifer and the Magothy Aquifer are being monitored for changes in groundwater chemistry over time; therefore, time-series graphs have also been prepared for wells screened within this zone. However, the overall effectiveness of the remediation system is based solely on the results in the Upper Glacial Aquifer, as described in the ROD.

2.1 GROUNDWATER CONTOUR AND FLOW MAPS

Groundwater elevation contour maps were prepared for the shallow portion of the Upper Glacial Aquifer beneath the site. The effectiveness of the remediation system to induce groundwater capture is then evaluated by comparing the groundwater flow pattern under pumping conditions to the modeled capture zone. Compounds dissolved in groundwater obtained from wells within the capture zone will be transported toward one of two groundwater extraction wells (i.e., RW-1 or RW-2). Groundwater capture is demonstrated if groundwater flow lines are directed toward one of the two extraction wells, as indicated by groundwater elevation contour maps prepared under pumping conditions. The results of this assessment are presented in Section 3.

2.2 GROUNDWATER QUALITY

Groundwater quality is evaluated by preparing isoconcentration maps and geochemical time-series graphs from the sampling data obtained during the Performance Monitoring Period. Data from sampling events that occurred prior to startup of the remediation system, May 1993 / February 1994 and mid-June 2000, were used as the benchmark to represent pre-remediation baseline groundwater quality conditions. These data were used to identify which VOCs are potentially related to historical activities at the site (site-related) or believed to not have been related to historical activities at the site (non site-related). This is discussed more fully in Section 4 of this report.

- Isoconcentration contour maps were prepared using data obtained from the June 2000, January/February 2002, April 2003, June 2004, June 2005, July 2006, August 2007, July 2008 and July 2009 sampling events for various VOCs and inorganic analytes for groundwater obtained from the shallow aquifer. Beginning in June 2004, only VOC samples were collected for analysis as agreed to by USEPA. Based on USEPA's request, only one diffusion bag was utilized for sampling in each of the performance monitoring wells since June 2005. The bag was placed at one foot above the bottom of the well.

Previous data were submitted to the USEPA and United States Army Corps of Engineers (USACE) as part of the Operation and Maintenance Monthly Progress Reports for the site. Comparison of the isoconcentration maps to groundwater flow paths are utilized to document that the remediation system is effectively remediating compounds dissolved in groundwater. This evaluation is presented in Section 4 of this report.

Geochemical time-series graphs provide an effective technique for documenting trends over time in groundwater quality from a given well. Time-series graphs have been prepared by plotting concentration levels versus time for compounds detected in groundwater samples from both the shallow and deep monitoring wells. Data obtained from the deeper Upper Glacial and Magothy Aquifer wells are also prepared to document changes in groundwater chemistry over time because these wells are included in the Performance Monitoring program. However, the assessment of the OU-2 remedy is solely based on the results from the shallow Upper Glacial Aquifer.

3.0 GROUNDWATER FLOW

Water levels measurements from each accessible monitoring well were collected in January 1999, prior to the startup of the full-scale remediation system operation in late June 2000. Groundwater level data from January 1999 (Figure 3-1a) and mid-June 2000 (Figure 3-1b) were used to establish baseline conditions of groundwater flow within the upper portion of the Upper Glacial Aquifer under non-pumping conditions. After commencement of the remediation system operation in late June 2000, water level measurements were collected monthly from each accessible monitoring well. Beginning in January 2005, pumping was halted at the most downgradient extraction well RW-3. Groundwater level data was collected monthly through June 2006, after which groundwater level data was collected quarterly at the request of the USEPA.

The evaluation of the groundwater flow patterns are limited to the Upper Glacial Aquifer because this zone is the target of the remediation system. Therefore, to evaluate groundwater flow patterns within the upper portion of the Upper Glacial Aquifer, groundwater contour maps were prepared to show hydraulic gradients and flow patterns under pumping and non-pumping conditions. In addition, groundwater flow patterns for August 2002 (Figure 3-1c), April 2003 (Figure 3-1d), March 2004 (Figure 3-1e), June 2005 (Figure 3-1f), June 2006 (Figure 3-1g), July 2007 (Figure 3-1h), July 2008 (Figure 3-1i) and July 2009 (Figure 3-1j) are compared to the modeled capture zone estimated from groundwater modeling. The comparison of measured versus modeled capture zones for August 2002, April 2003, March 2004, June 2005, June 2006, July 2007, July 2008 and July 2009 are presented in Figures 3-2, 3-3, 3-4, 3-5, 3-6, 3-7, 3-8 and 3-9 respectively. Figures 3-5, 3-6, 3-7, 3-8 and 3-9 illustrate that in June 2005, June 2006, July 2007, July 2008 and July 2009 only two extraction wells are pumping in the Upper Glacial Aquifer. During July 2008 and July 2009, the groundwater extraction system was not operating. Groundwater elevations and system capture zone shown in Figures 3-1j and 3-9 are based on groundwater elevations measured in monitoring wells and estimated groundwater elevations for extraction wells during system operation. These estimated operating extraction well elevations were based on historical data collected during system operation, which consistently demonstrated a cone of depression near each extraction well.

Hydrographs showing groundwater elevation over time were prepared for each well (Appendix C). These graphs indicate that the hydrographs for the individual wells generally (with a few notable exceptions) parallel one another and the hydraulic gradient has remained essentially constant over the entire Performance Monitoring Period.

3.1 BASELINE CONDITIONS

The baseline groundwater flow pattern recorded in January 1999 (Figure 3-1a) and June 2000 (Figure 3-1b) represents hydraulic conditions prior to operating the remediation system. These data show that groundwater flow is to the south/southeast with a hydraulic gradient between 0.002 ft/ft and 0.004 ft/ft within the upper portion of the Upper Glacial Aquifer during January 1999 and June 2000.

3.2 PUMPING CONDITIONS

Figures 3-1c to 3-1j show the groundwater contour map and the flow pattern within the upper portion of the Upper Glacial Aquifer under pumping conditions during August 2002, April 2003, March 2004, June 2005, June 2006, and July 2007 while the system was fully operational. During July 2008 and July 2009, the system was not operated continuously and groundwater contours are based on water level measurements in monitoring wells and estimated drawdown assuming system operation.

The groundwater flow pattern indicates transport toward the south with a bi-directional flow component on either side of a north-south line connecting the recovery wells. West of this line, flow is predominantly to the southeast. East of this line, flow is to the south-southwest. The effects of pumping groundwater are evident as groundwater contours are partially wrapped around each recovery well. Groundwater flow patterns and zone of capture for August 2002, April 2003, March 2004, June 2005, June 2006, July 2007, July 2008 and July 2009 are presented in Figures 3-2, 3-3, 3-4, 3-5, 3-6, 3-7, 3-8 and 3-9, respectively. Pumping well RW-3 was turned off in January 2005. Pumping wells RW-1 and RW-2 have been operated four to six hours every two weeks since August 2007 because of a pilot test of a SVE system near MW-4S and MW-4D. The groundwater contour and capture zone maps prepared for July 2008 and July 2009 are based on current water level measurements for monitoring wells and historical drawdown data during system operation for the pumping wells. The groundwater flow paths leading to a recovery well indicate capture by that recovery well.

Table 3-1 presents hydraulic gradients observed in June 2000 (pre-pumping), August 2002, April 2003, March 2004, June 2005 (pumping), June 2006, July 2007, July 2008 and July 2009 conditions. A comparison of the gradients measured in August 2002, April 2003, March 2004, June 2005, June 2006, July 2007, July 2008 and July 2009 at which time the treatment system was operational (or partially operational), shows that gradients in the northern portion of

the site are very similar; but that gradients are steeper around well MW-14 during the April 2003 measurements.

3.3 CAPTURE ZONE: MODELED VS. OBSERVED

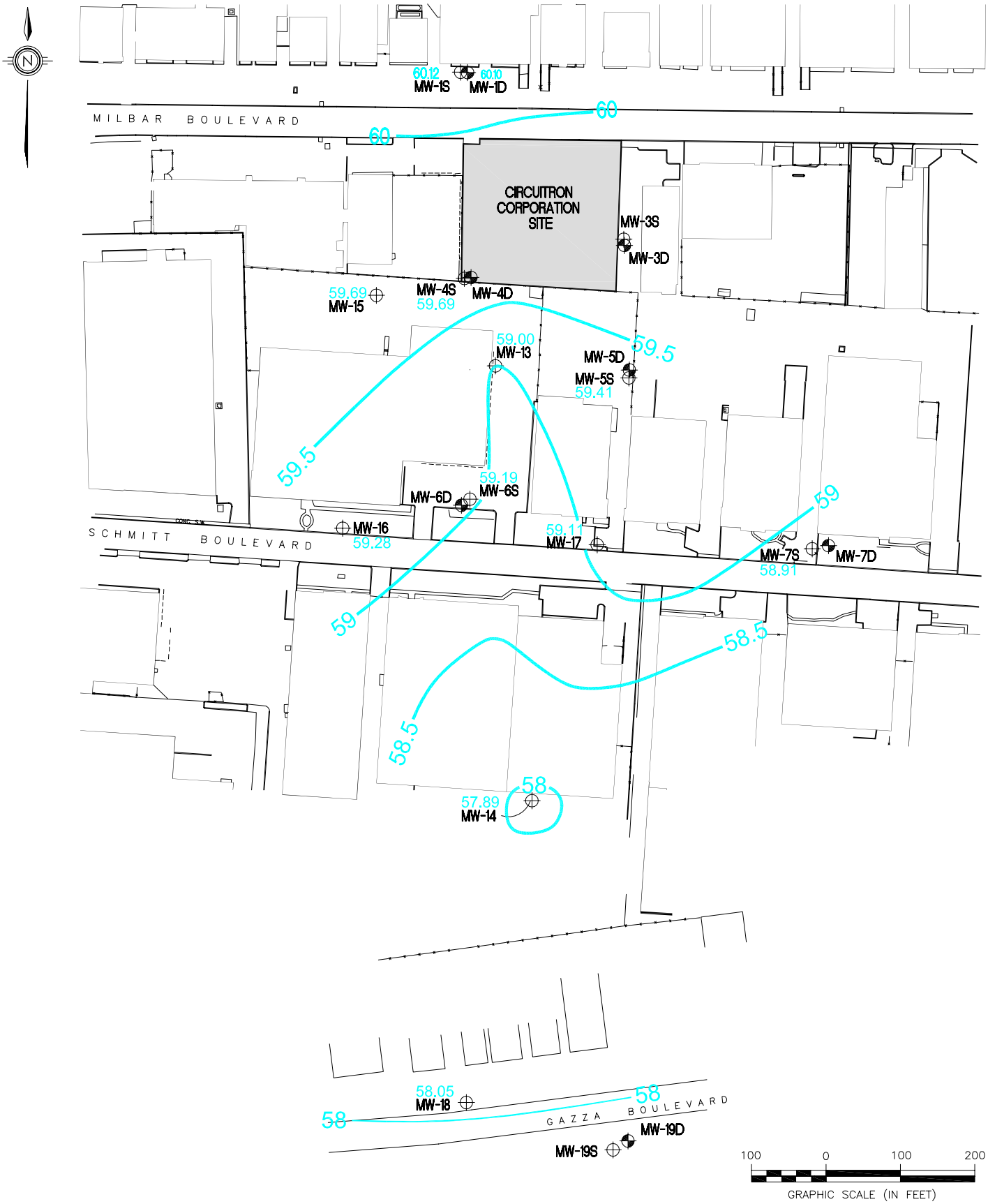
As discussed earlier, groundwater flow and contaminant transport modeling was performed by Radian in 1999 to assist in the final design of the OU-2 remediation system. The selected design model predicts the extent of the capture zone as a result of pumping groundwater for treatment (Radian, 1999). Additional modeling was performed by URS in 2005 to support the decision to stop pumping RW-3 (Appendix D of the 2005 Annual Report).

Figures 3-2, 3-3, 3-4, 3-5, 3-6, 3-7, 3-8 and 3-9 show the observed capture zone within the upper portion of the Upper Glacial Aquifer for the groundwater contours and flow paths from August 2002, April 2003, March 2004, June 2005, June 2006, July 2007, July 2008 and July 2009 respectively, superimposed on the modeled capture zone. Each flow path within the modeled capture zone is flowing towards one of the recovery wells, showing the complete capture of groundwater within the target area by the remediation system. The observed August 2002 capture zone is slightly larger than the modeled capture zone because flow paths near wells MW-7S and MW-16 are directed into the modeled capture zone. The observed capture zone from June 2005 is smaller than the capture zone defined for March 2004. The decrease in size of the capture zone is the result of the discontinuation of pumping at RW-3. However, as supported in the URS 2005 modeling report (Appendix D, 2005 Annual Report) the reduced capture zone still encompasses the geographic area where 1,1,1-TCA concentrations in groundwater are above the groundwater standard of 5 μg/L. The capture zone from July 2009 (assuming operation of the pumping wells) is similar to what has been observed in 2006, 2007 and 2008 and encompasses the geographic area where 1,1,1-TCA concentrations in groundwater are above the groundwater standard of 5 μg/L.

Table 3-1. Horizontal Gradients (feet/feet) Upper Glacial Aquifer, Circuitron Corporation Superfund Site

Date	Traverse*			
	MW-15 (Northwest)	MW-5 (Northeast)	MW-14 (Southwest)	MW-14 (Southeast)
June 2000 (pre-pumping)	0.002	0.002	0.004	0.004
August 2002 (pumping)	0.003	0.005	0.004	0.005
April 2003 (pumping)	0.004	0.004	0.006	0.008
March 2004 (pumping)	0.002	0.002	0.006	0.006
June 2005 (pumping)	0.003	0.002	0.003	0.003
June 2006 (pumping)	0.003	0.002	0.003	0.003
July 2007 (pumping)	0.002	0.003	0.003	0.003
July 2008 (pumping)	0.002	0.003	0.003	0.003
July 2009 (pumping)	0.002	0.003	0.003	0.003

*Traverses used to calculate gradients are centered on these wells and follow the flow paths which are at right angles to groundwater contours.



LEGEND

- ⊕ SHALLOW MONITORING WELL
- ⊕ DEEP MONITORING WELL
- 58.05 GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR LINE

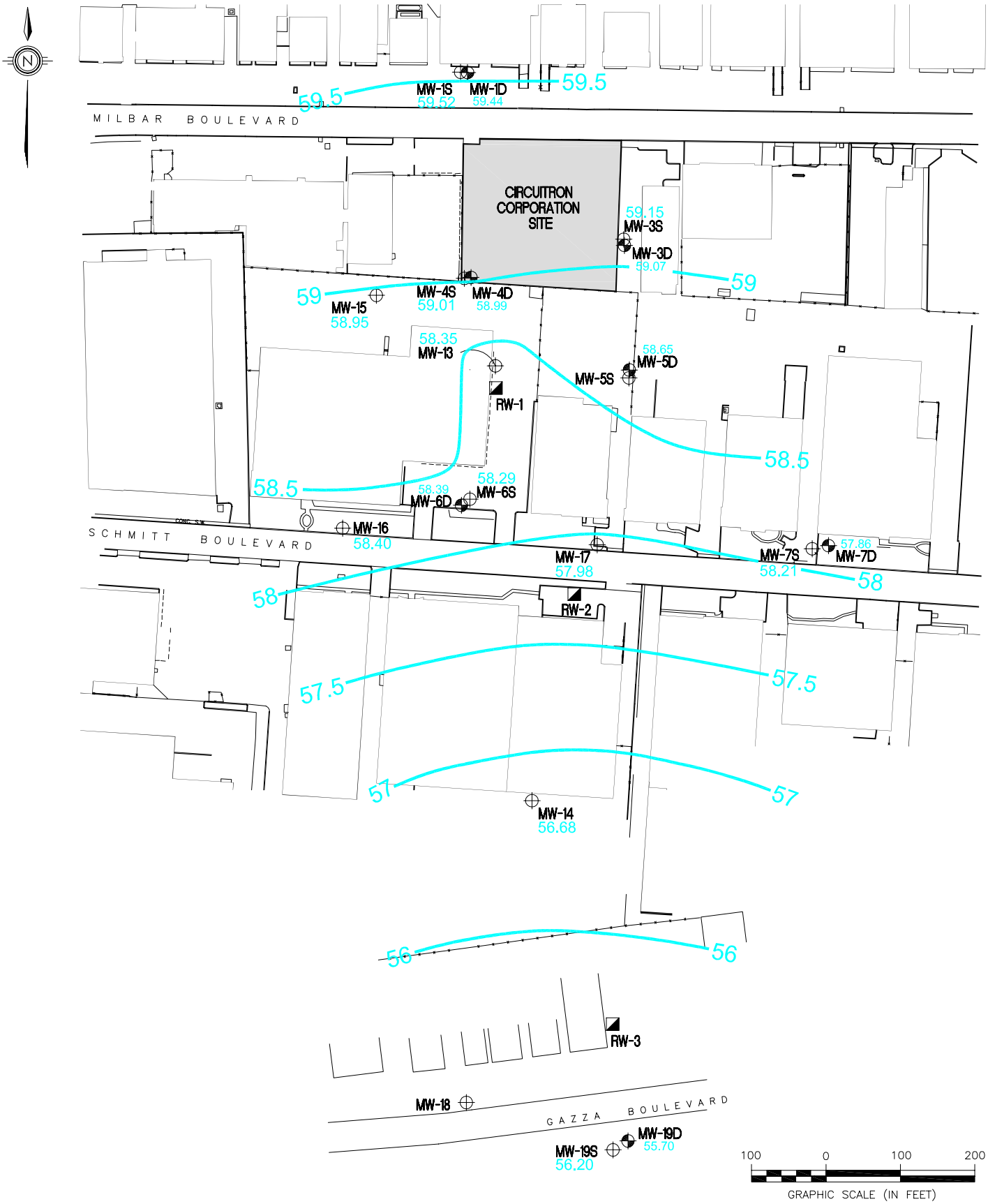
January 1999

Groundwater Elevation Contour Map (Non-pumping) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-1a.DWG	DATE: 4-29-03	FIGURE #: 3-1a



LEGEND

- ⊕ SHALLOW MONITORING WELL
- ⊕ DEEP MONITORING WELL
- ◪ RECOVERY WELL
- 56.20 GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR LINE

June 2000

Groundwater Elevation Contour Map (Non-pumping) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

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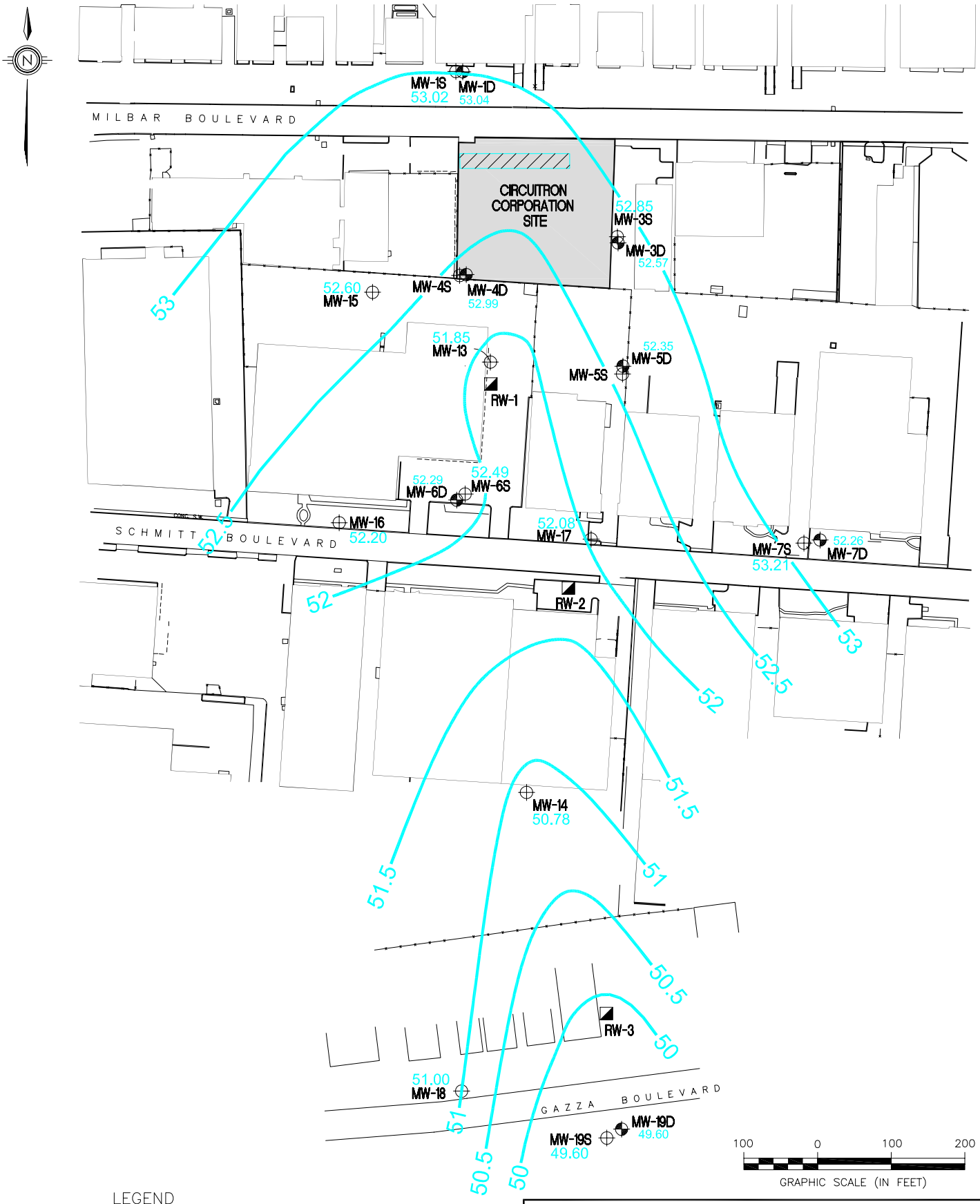
FILENAME: FIG 3-1b.DWG	DATE: 4-29-03	FIGURE #: 3-1b



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- 51.00 GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR LINE
- NORTHERN INJECTION TRENCH

August 2002

Groundwater Elevation Contour Map (Pumping) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

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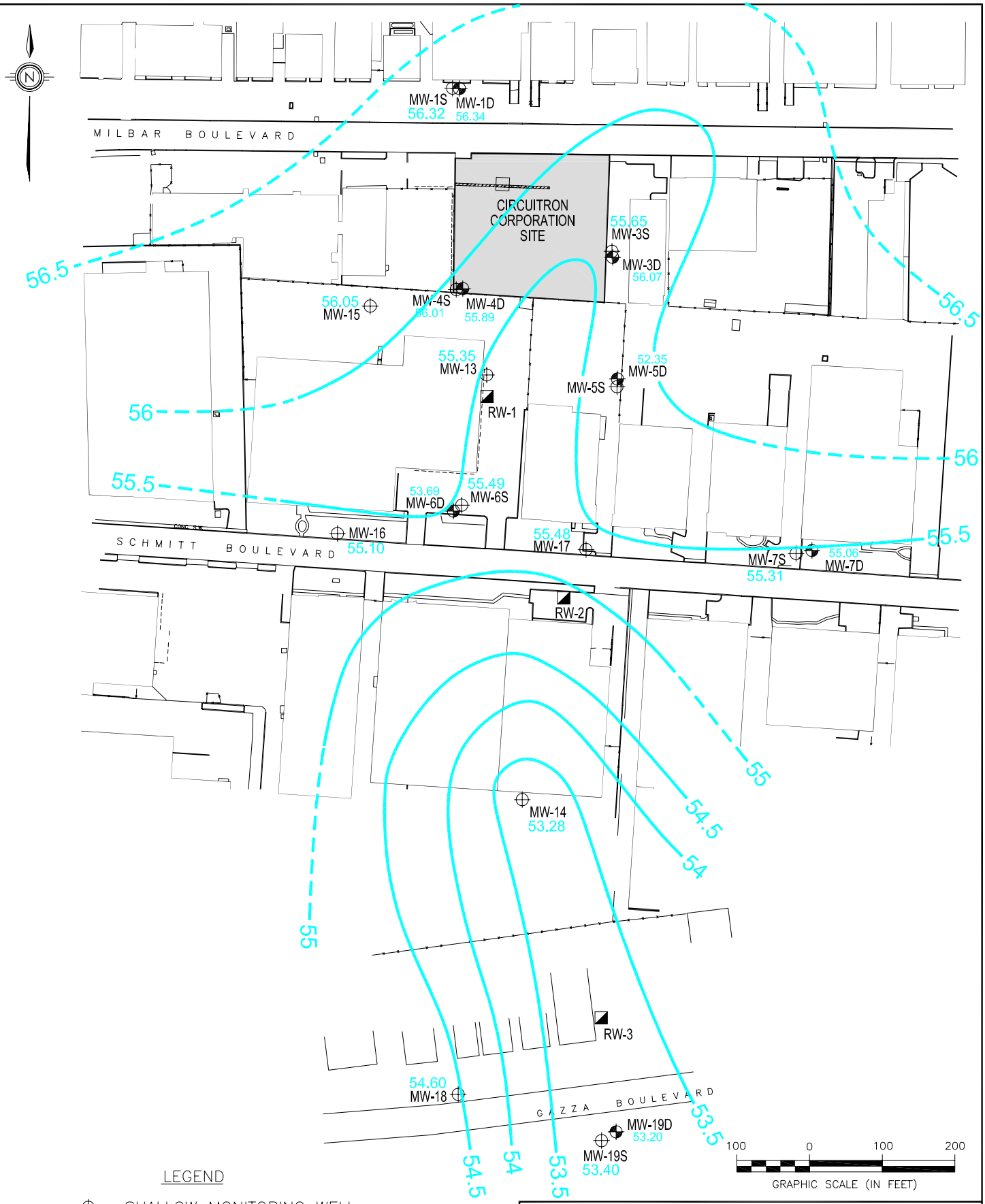
FILENAME: FIG 3-1c.DWG	DATE: 4-29-03	FIGURE #: 3-1c



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- 51.00 GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR LINE
- REINJECTION TRENCH AND MANHOLE

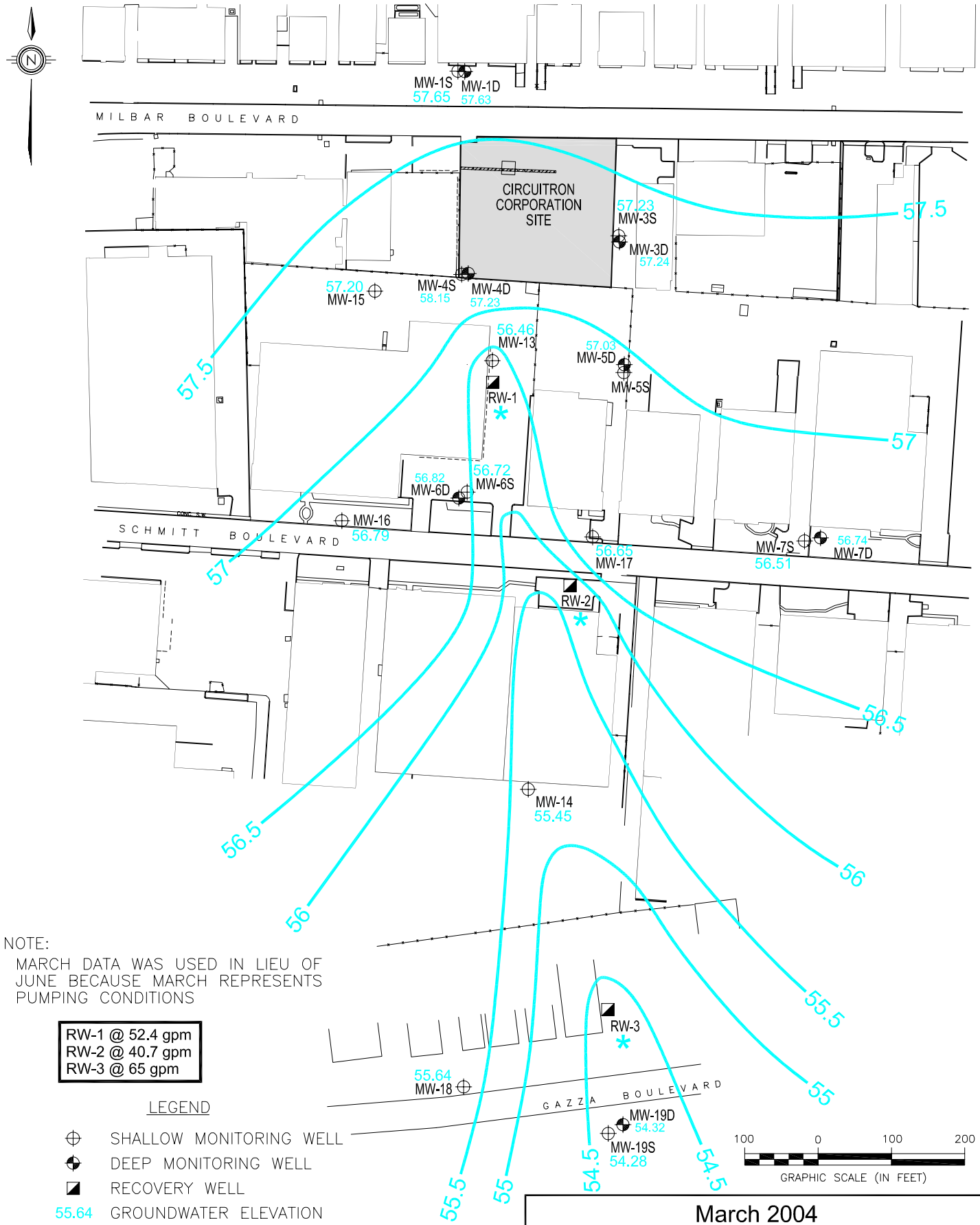
April 2003

Groundwater Elevation Contour Map (Pumping) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-1d.DWG	DATE: 2-2-04	FIGURE #: 3-1d



NOTE:
MARCH DATA WAS USED IN LIEU OF JUNE BECAUSE MARCH REPRESENTS PUMPING CONDITIONS

RW-1 @ 52.4 gpm
RW-2 @ 40.7 gpm
RW-3 @ 65 gpm

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- 55.64 GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR LINE
- REINJECTION TRENCH AND MANHOLE
- * GROUNDWATER ELEVATIONS FOR THE RECOVERY WELLS ARE NOT AVAILABLE AT THIS TIME PENDING VERIFICATION OF THE TOP OF CASING ELEVATIONS.

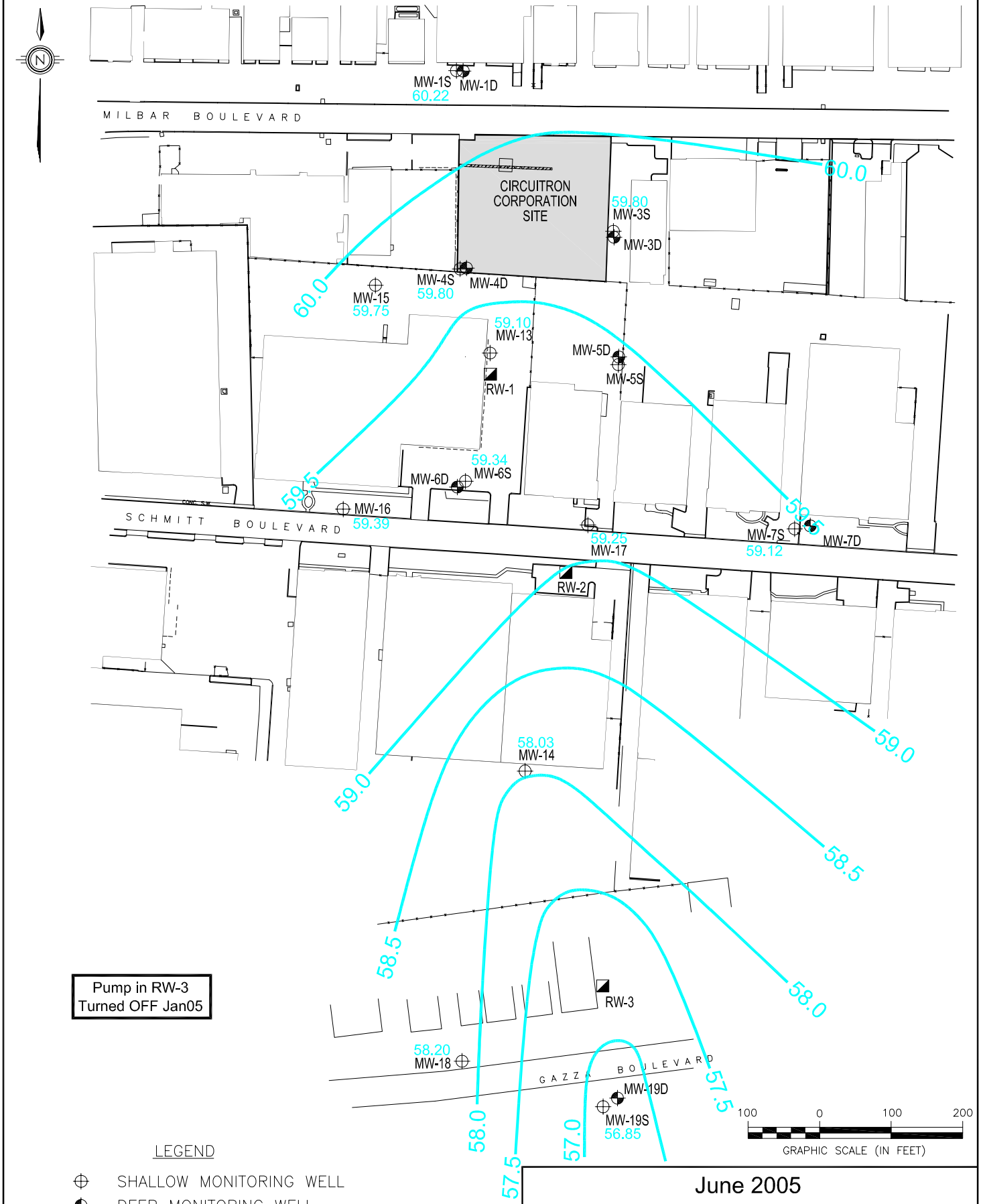
March 2004

Groundwater Elevation Contour Map (Pumping) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-1e.DWG	DATE: 9-1-05	FIGURE #: 3-1e



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- 55.64 GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR LINE
- REINJECTION TRENCH AND MANHOLE

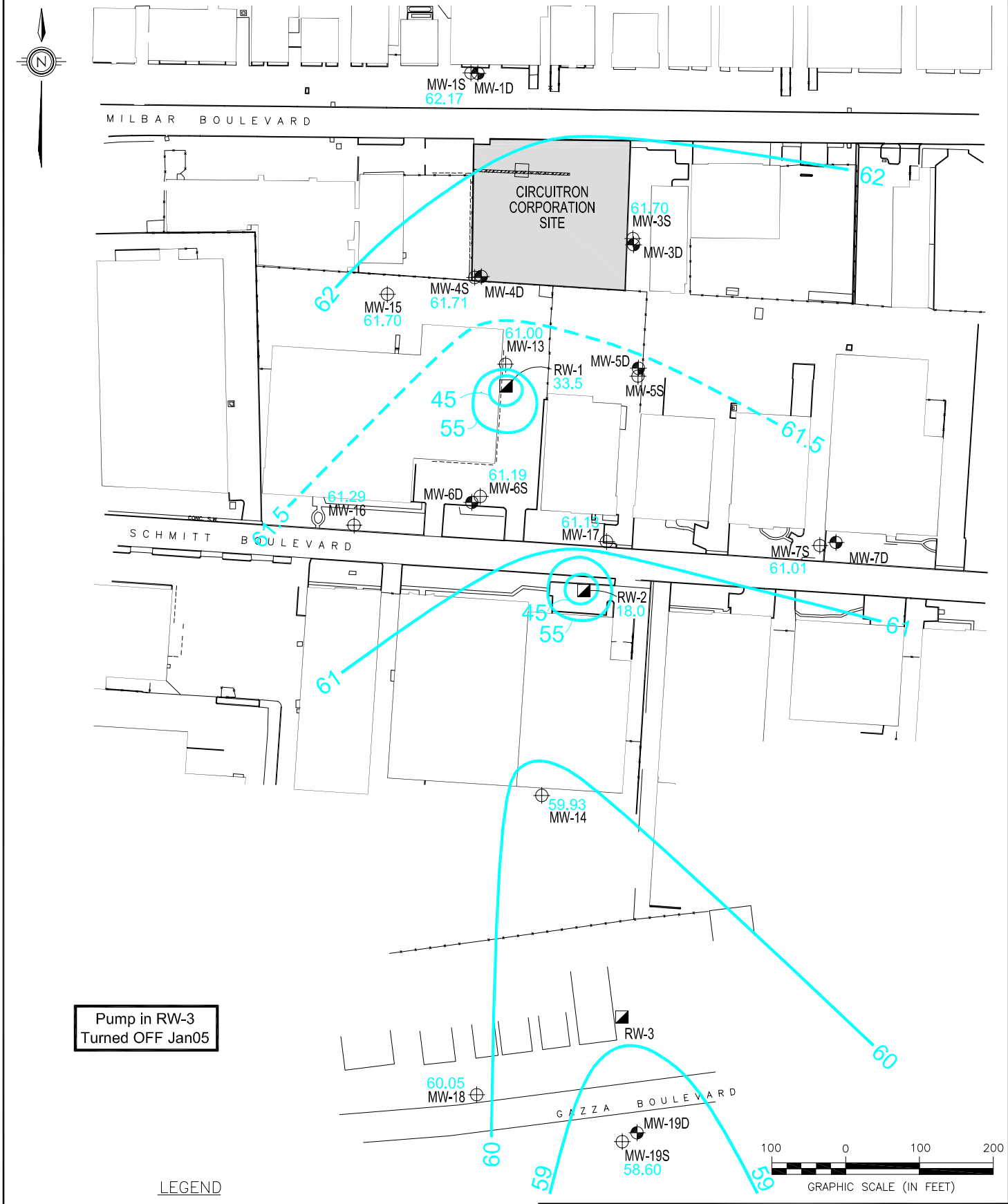
June 2005

Groundwater Elevation Contour Map (Pumping)
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-1f.DWG	DATE: 10-3-05	FIGURE #: 3-1f



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- 60.05 GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR LINE
- REINJECTION TRENCH AND MANHOLE

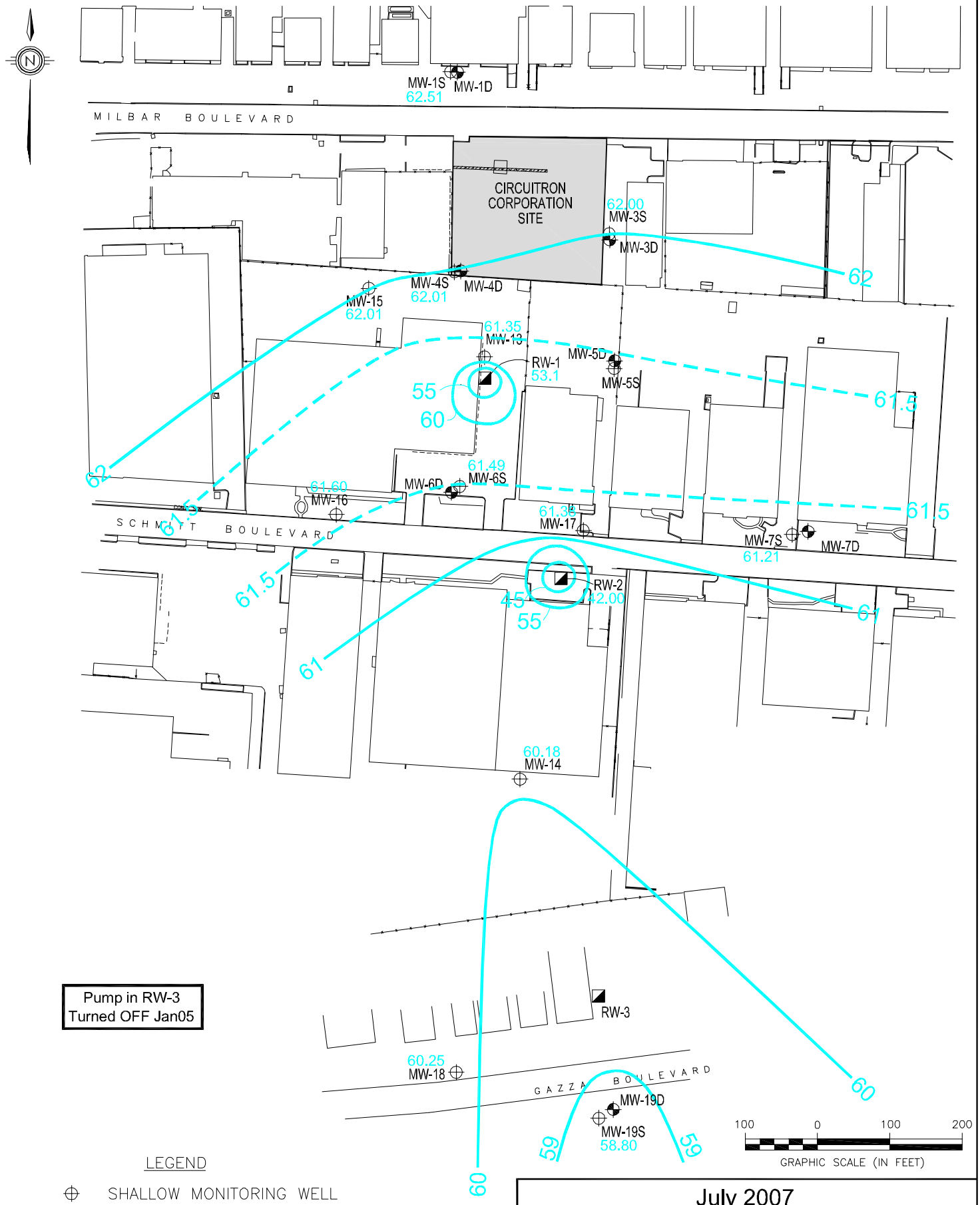
June 2006

Groundwater Elevation Contour Map (Pumping)
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-1g.DWG	DATE: 9-11-06	FIGURE #: 3-1g



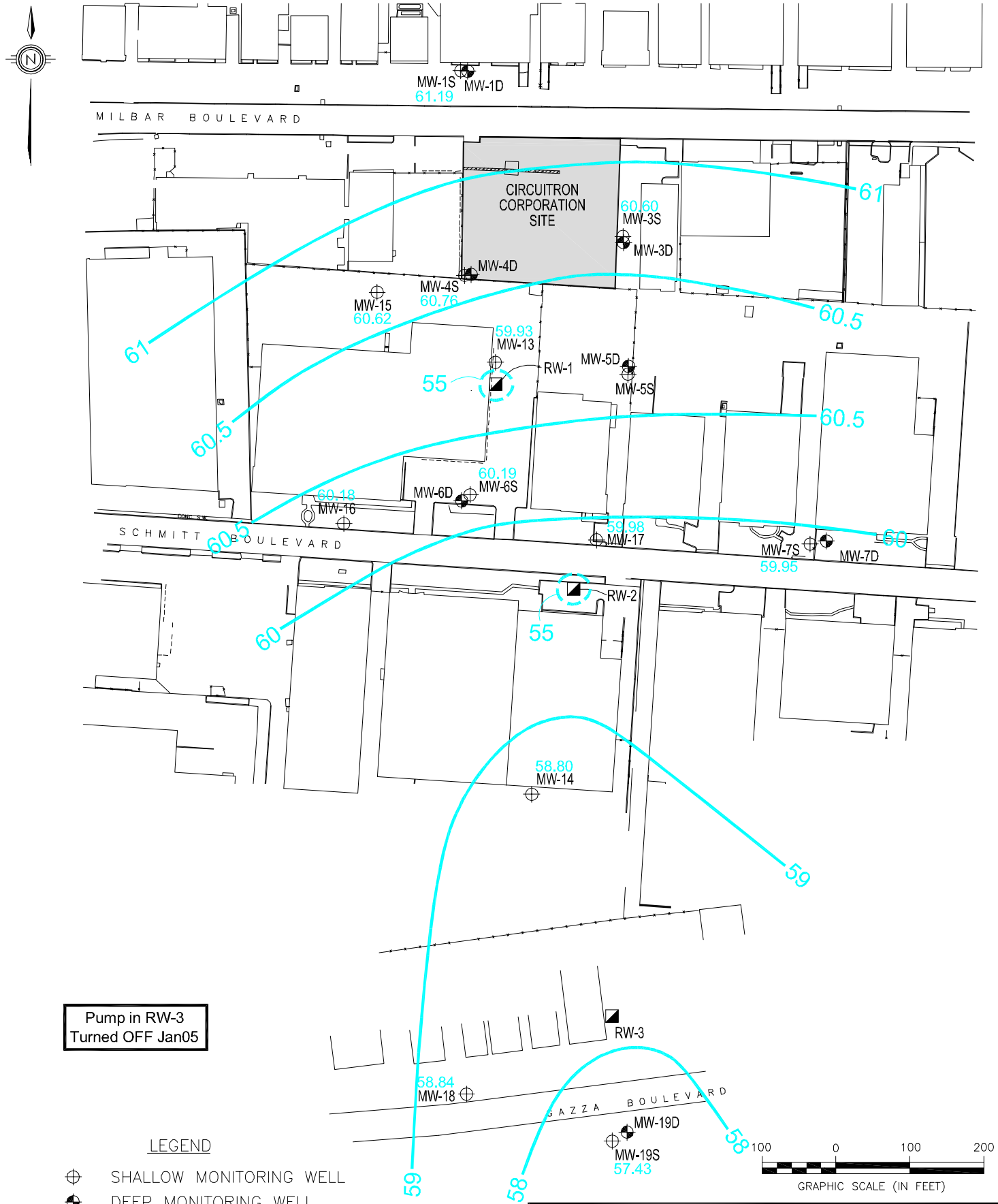
July 2007

Groundwater Elevation Contour Map (Pumping)
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-1h.DWG	DATE: 10-31-07	FIGURE #: 3-1h



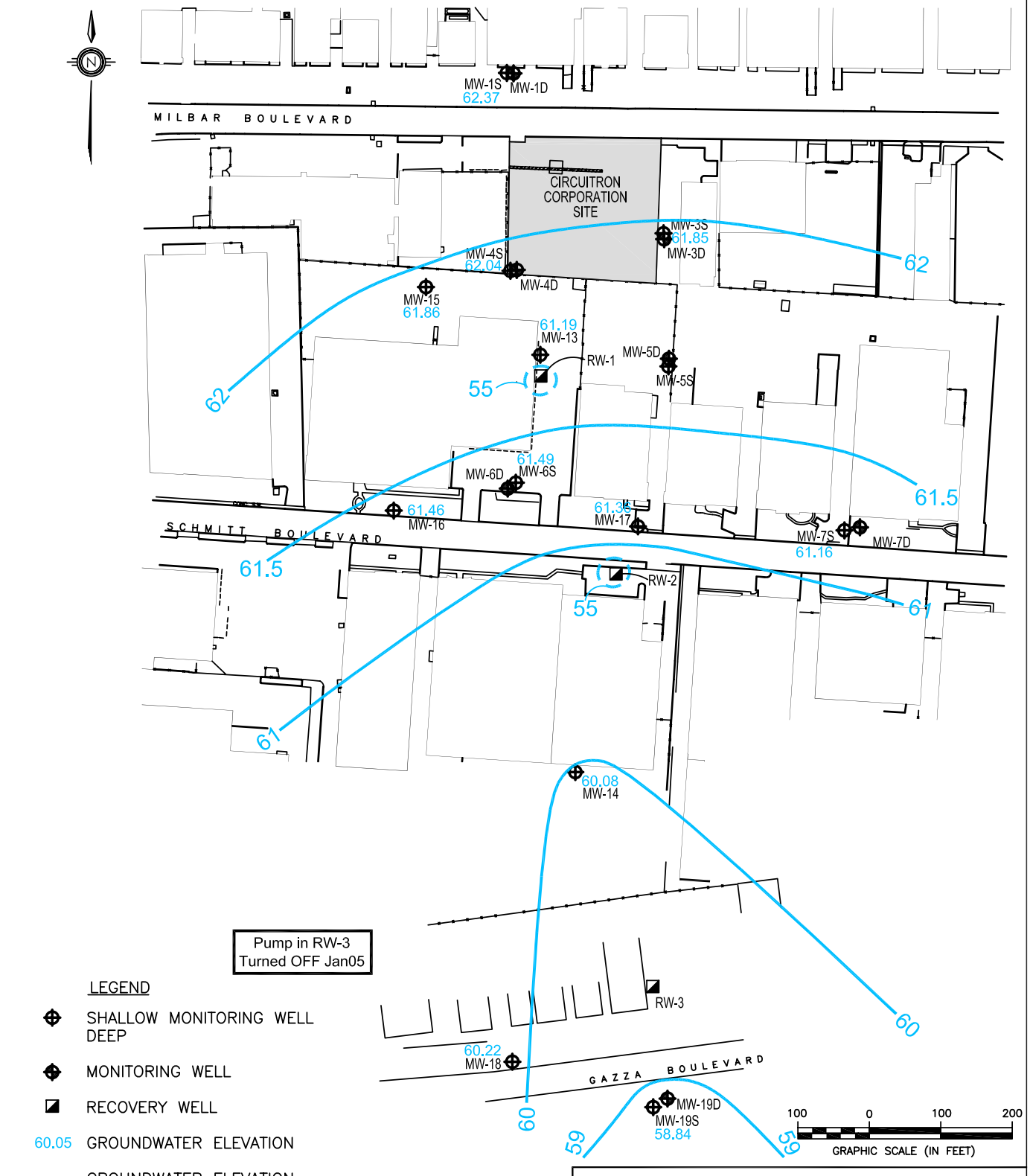
July 2008

Groundwater Elevation Contour Map (Pumping) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-1i.DWG	DATE: 12-1-08	FIGURE #: 3-1i



July 2009

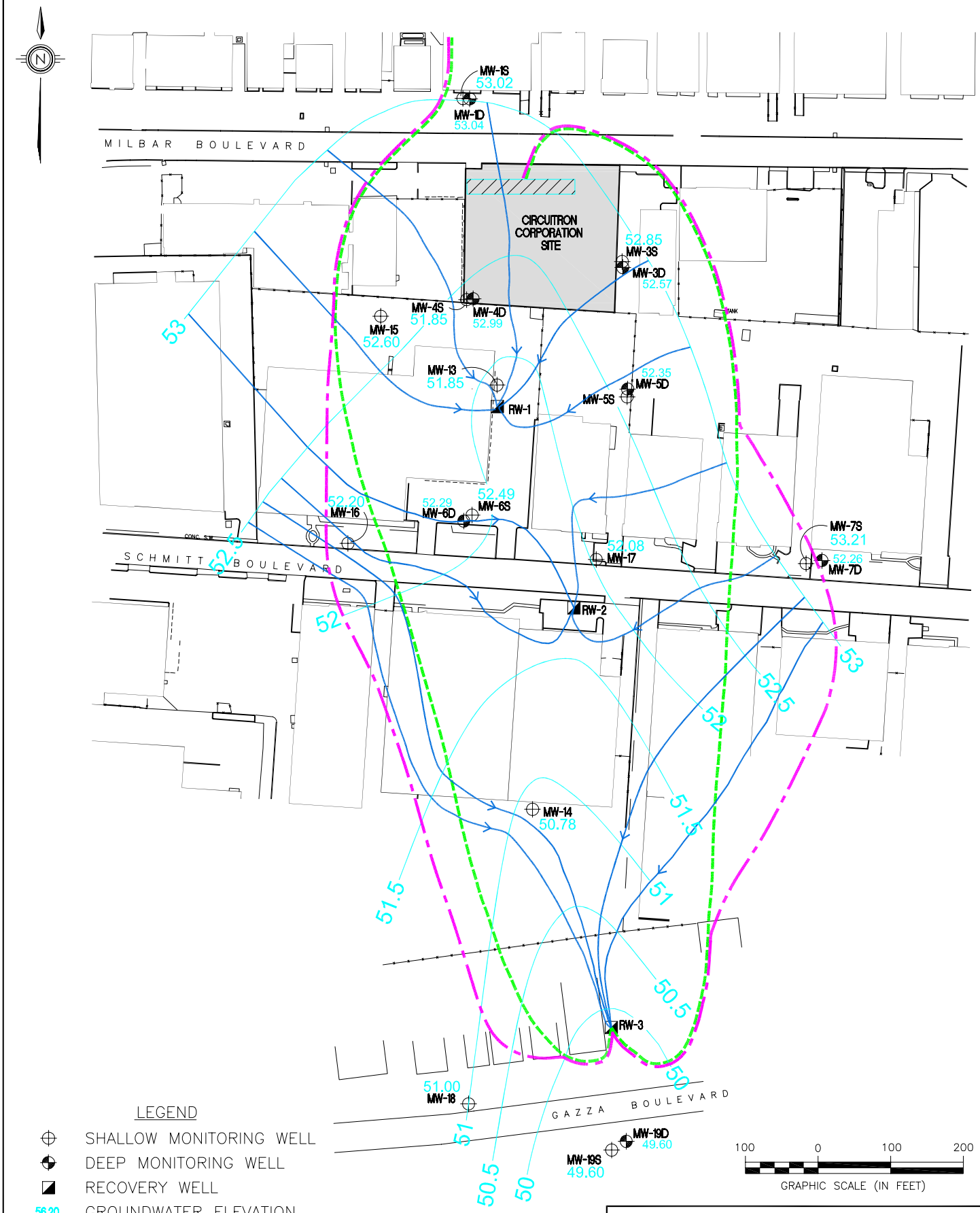
Groundwater Elevation Contour Map (Pumping) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-1j.DWG	DATE: 10-11-09	FIGURE #: 3-1

K:\Cadd\41785954 (Circuitron 2009)\fig 3-1j.dwg, 12/14/2009 11:30:58 AM



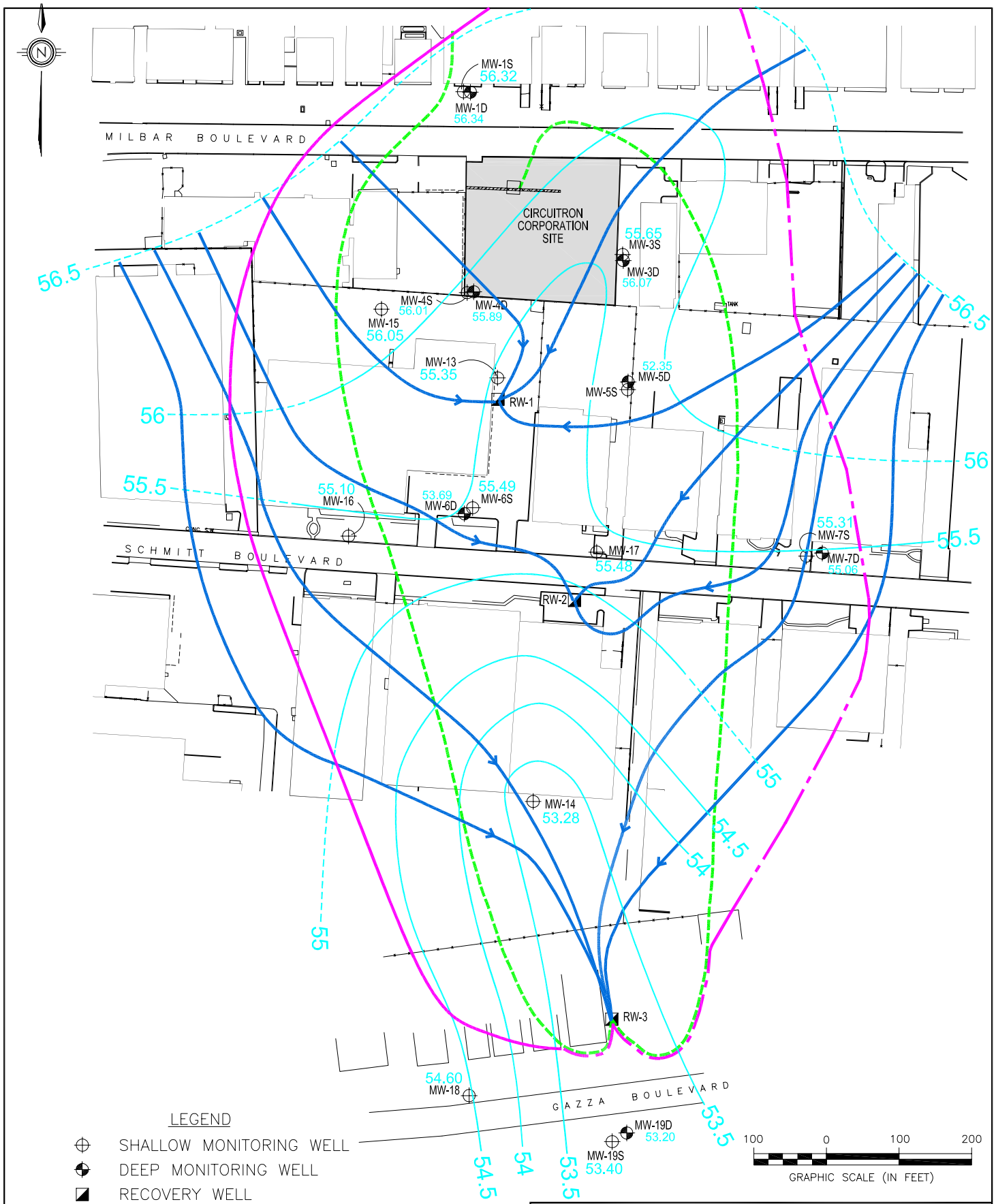
LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- 56.20 GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR LINE
- NORTHERN INJECTION TRENCH
- GROUNDWATER FLOW DIRECTION
- MODELED ZONE OF CAPTURE (RADIAN, 1999)
- OBSERVED ZONE OF CAPTURE, AUGUST 2002

Groundwater Flow Pattern and Zone of Capture
August 2002
Upper Glacial Aquifer
Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-2.DWG	DATE: 4-29-03	FIGURE #: 3-2

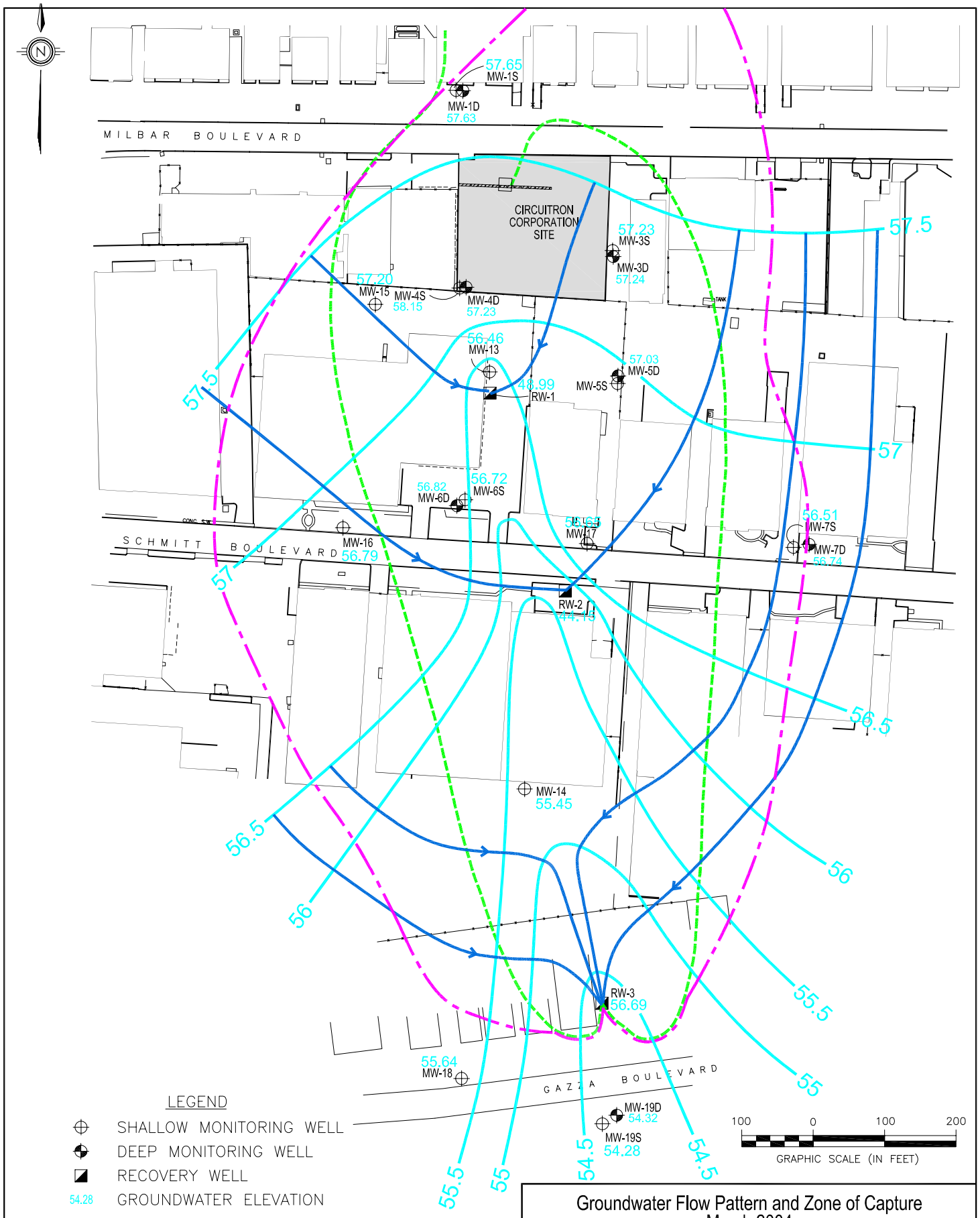


Groundwater Flow Pattern and Zone of Capture
April 2003
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-3.DWG	DATE: 2-5-04	FIGURE #: 3-3



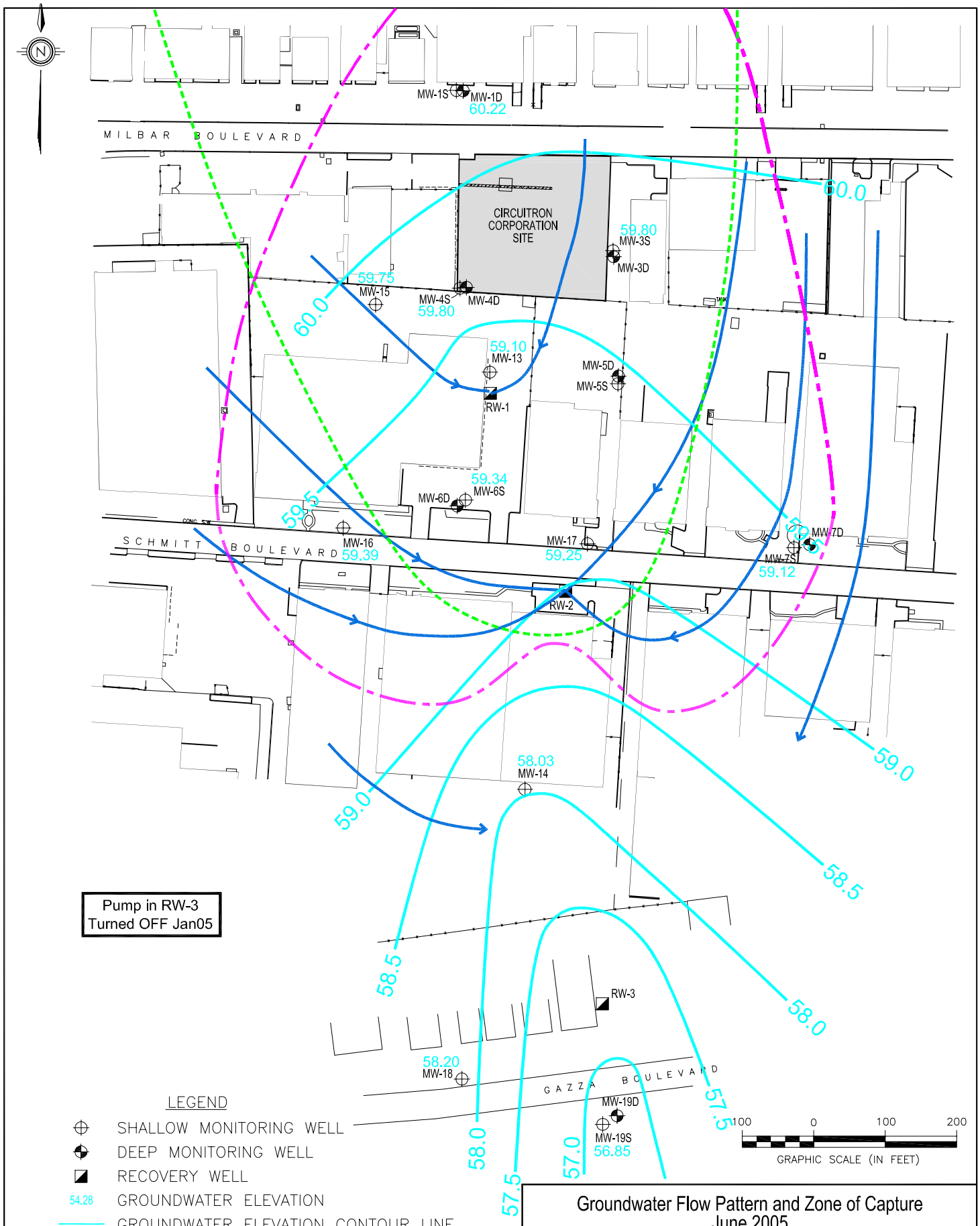
Groundwater Flow Pattern and Zone of Capture March 2004

Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-4.DWG	DATE: 2-5-04	FIGURE #: 3-4

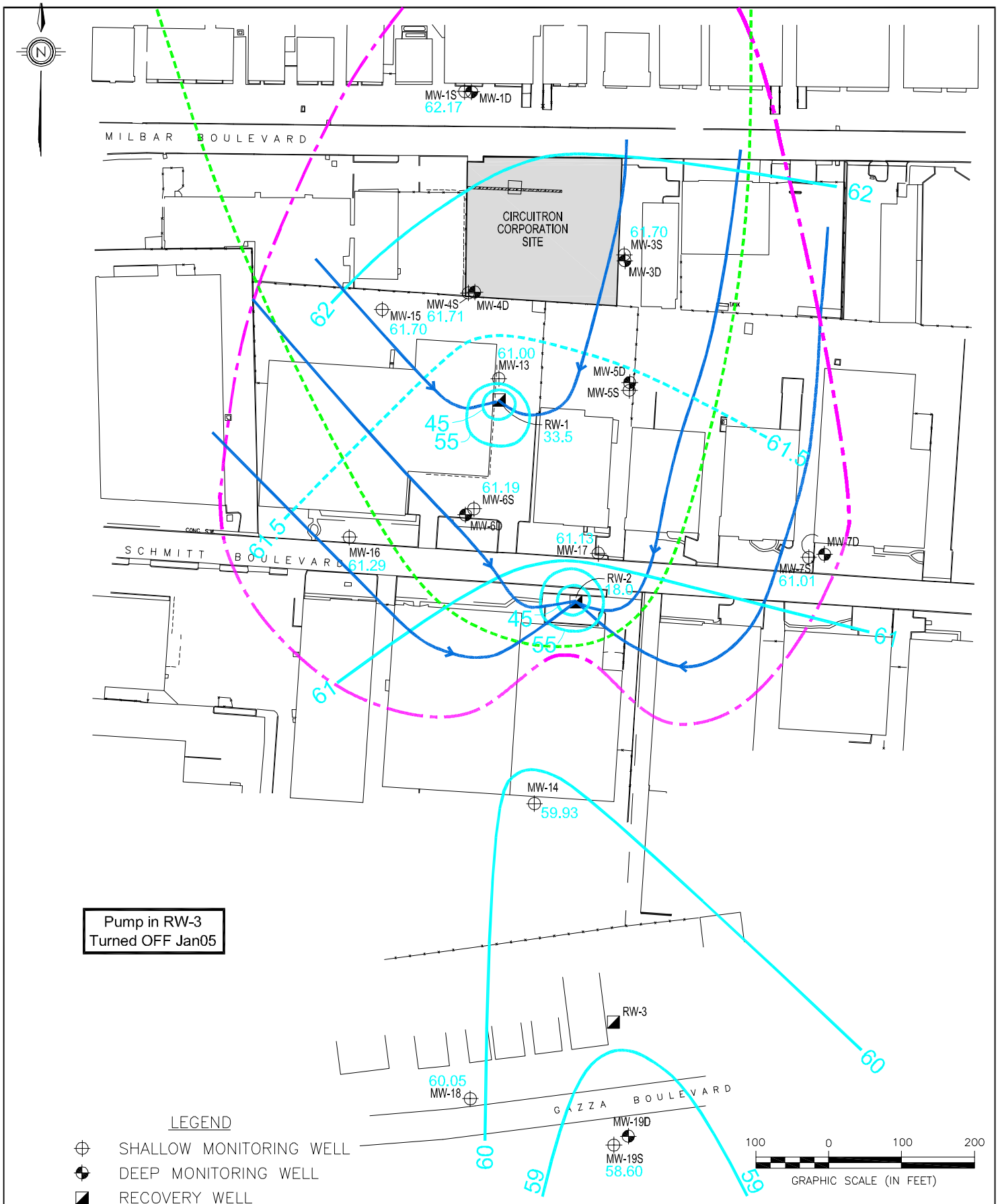


Groundwater Flow Pattern and Zone of Capture
June 2005
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-5.DWG	DATE: 10-3-05	FIGURE #: 3-5

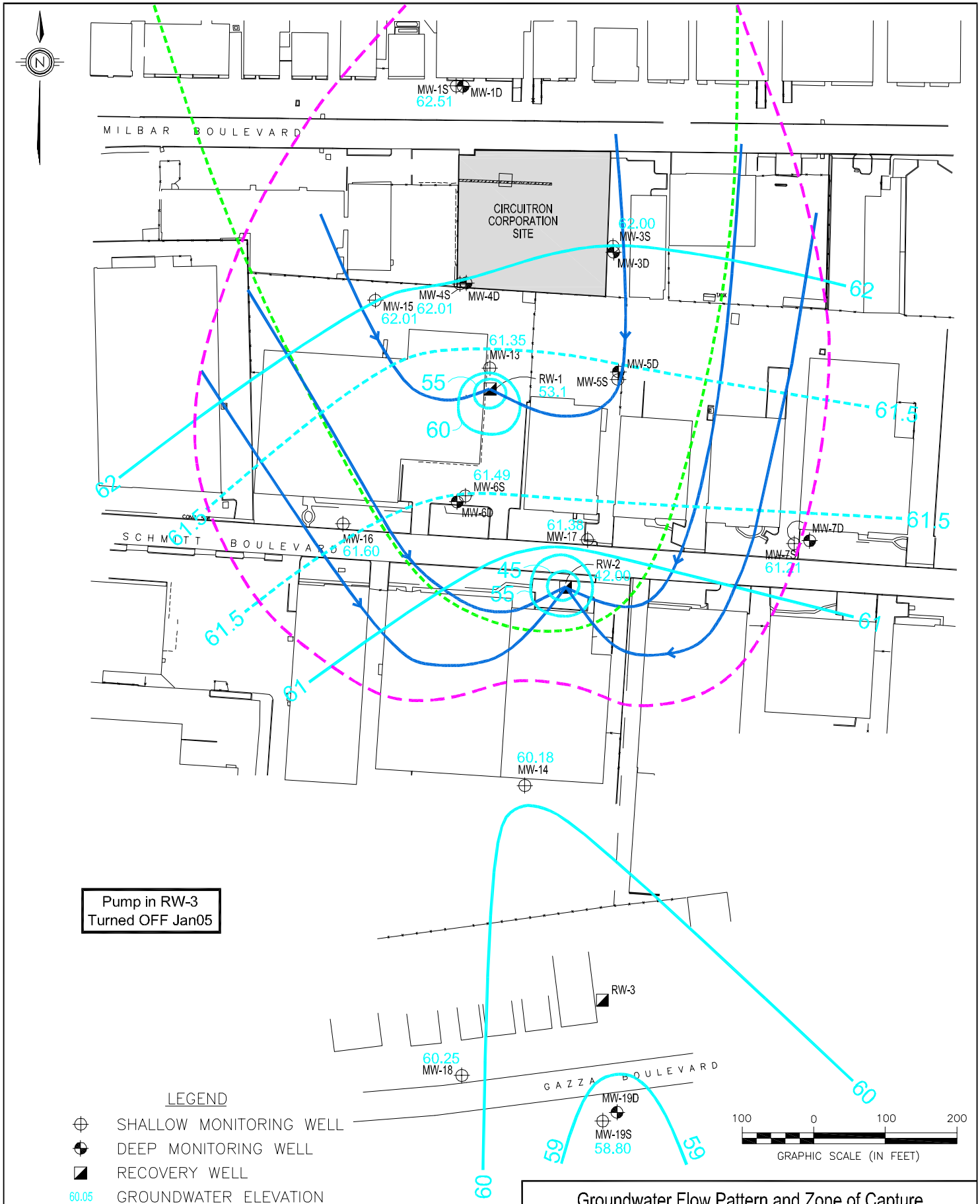


Groundwater Flow Pattern and Zone of Capture
June 2006
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-6.DWG	DATE: 9-11-06	FIGURE #: 3-6

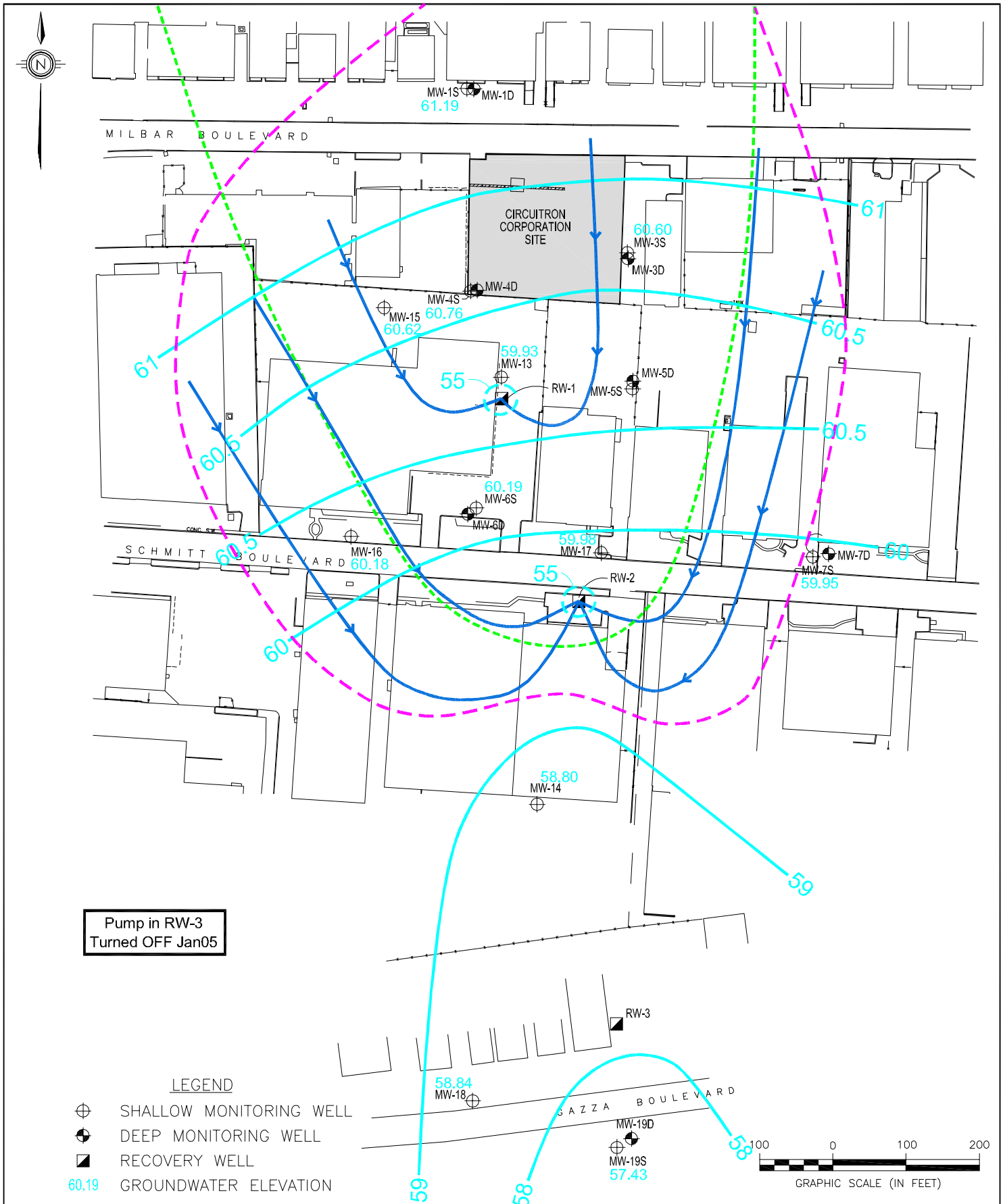


Groundwater Flow Pattern and Zone of Capture
July 2007
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-7.DWG	DATE: 11-29-07	FIGURE #: 3-7

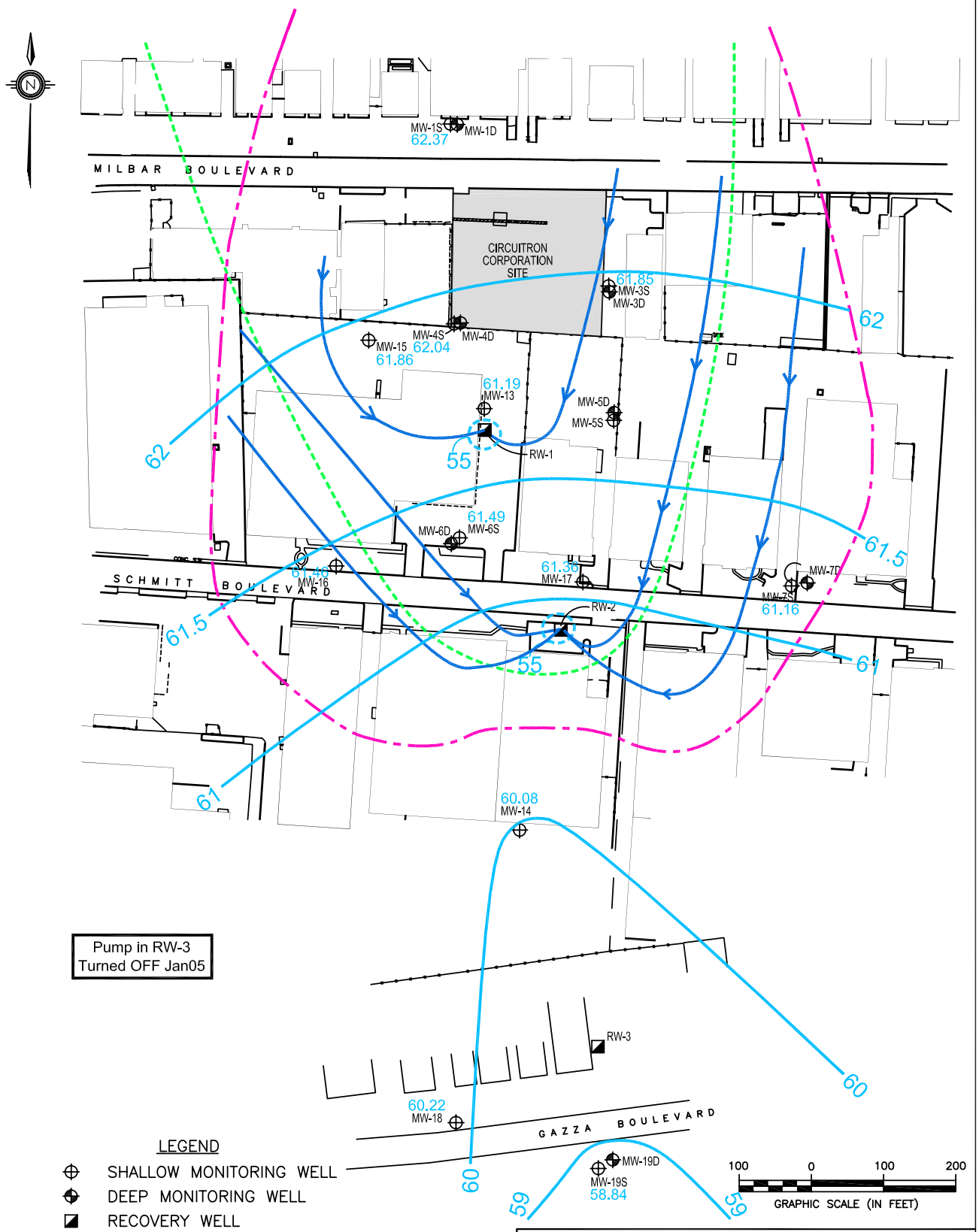


Groundwater Flow Pattern and Zone of Capture
July 2008
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-8.DWG	DATE: 12-1-08	FIGURE #: 3-8



Groundwater Flow Pattern and Zone of Capture
July 2009
Upper Glacial Aquifer
Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 3-9.DWG	DATE: 10-13-09	FIGURE #: 3-9

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4.0 GROUNDWATER QUALITY

During the period from June 28, 2000 to July 2009, when the OU-2 remedy was operating (fully or partially), groundwater samples were collected from up to 19 performance monitoring wells at the site. These data, as presented in Appendices A-1, A-2, and A-3, are used to evaluate changes of the concentrations of compounds in the groundwater during the Performance Monitoring Period. Data from sampling events that occurred prior to startup of the remediation system, May 1993/February 1994 and mid-June 2000, were used as the benchmark to represent pre-remediation baseline groundwater quality conditions.

This section discusses the distribution of compounds detected in the shallow groundwater using isoconcentration contour maps and time-series graphs. Time-series graphs for seven deep wells are also included in the Performance Monitoring program to illustrate trends in the deeper zone of the Upper Glacial Aquifer over time. These data are presented in Appendix B.

4.1 EXCEEDANCES OF ACTION LEVELS

Exceedances are defined for the purposes of this report as groundwater samples analyzed that have VOCs or metals detected at levels exceeding the applicable Federal or State Groundwater Drinking Water Standards. These standards are referred to in this report as Action Levels (ALs). Multiple exceedances observed in groundwater from wells located outside the observed capture zone may provide data to allow recommending a change in the operation of the remediation system. Single exceedances may be anomalous and therefore recommendations for changing the operation of the remediation system will be based on only a pattern of multiple exceedances. Table 4-1 summarizes both the historically observed and current exceedances observed in groundwater samples from each of the performance monitoring well locations. Figures 4-1a and 4-2a graphically depict exceedances of VOC compounds observed in groundwater sampled, over the Performance Monitoring period, from shallow and deep wells. Appendix A-1 presents the total VOC concentrations for each monitoring well sampled from June 2000 to July 2009. Appendix A-2 contains the historical VOC analytical results for each performance monitoring well.

Among all shallow wells, MW-14, MW-18 and MW-19S are located outside the current capture zone. Historically, groundwater samples collected from MW-18 showed 2 exceedances of methylene chloride (see Appendix A-2), both occurring in 2001. Groundwater samples collected from MW-19S showed multiple exceedances of methylene chloride, a single

exceedance of 1,1-DCA, and 2 exceedances of 1,1,1-TCA. Monitoring well MW-14 has not exhibited any exceedances of VOC standards during the last eight rounds of annual groundwater sampling conducted since 2002. All these exceedances occurred between 2000 and 2003. However, methylene chloride, a common analytical artifact for VOCs, is not representative of groundwater contamination because most of the associated method blanks also exhibited detections of methylene chloride, and therefore, such exceedances were not used in this evaluation and are not shown on Figure 4-1a.

For the 2009 sampling event, three shallow zone well exceedances were noted; one in MW-14S (1,1,1-TCA at 120 µg/L) and two in MW-17 (1,1,1-TCA at 8.1 µg/L and 1,1-DCA at 17 µg/L). It is further noted that the apparent trend in 1,1,1-TCA concentrations appears to be downward in both wells and that 1,1-DCA is a degradation product of 1,1,1-TCA.

4.2 SITE-RELATED COMPOUNDS VS. NON SITE-RELATED COMPOUNDS

For the purposes of this document, the following criteria were used to determine if a compound is potentially related to historical activities at the site (site-related) or believed to not have been related to historical activities at the site (non site-related). The effectiveness of the remediation system will be evaluated by the presence of compounds that are believed to be site-related. Compounds that are judged to be non site-related will not be used to determine the remediation system effectiveness.

A compound will be considered site-related if:

a) It was not observed as an exceedance in groundwater obtained from the upgradient well prior to remediation system startup (May 1993/February 1994 and June 2000 sampling events) and was observed as an exceedance in groundwater from a site well during more than one sampling event; or

b) It formed from naturally occurring biodegradation, such as dichloroethenes and dichloroethanes, if the parent compound (e.g., PCE, TCE or 1,1,1-TCA) is considered to be site-related (i.e., not observed as an exceedance in groundwater from the upgradient well).

A compound will be considered as non site-related if:

a) It was observed as an exceedance in groundwater from the upgradient well prior to remediation system startup (May 1993/February 1994 and June 2000 sampling events); such compounds are considered to be background; or

b) It formed from naturally occurring biodegradation, such as dichloroethenes and dichloroethanes, if the parent compound (e.g., PCE, TCE or 1,1,1-TCA) is considered to be non site-related, (i.e., observed as an exceedance in groundwater from the upgradient well).

Data presented in Section 3 has shown that the remediation system has captured groundwater within the target zone. Therefore, site-related compounds that are observed as exceedances in groundwater from site wells are being captured by the remediation system. Additionally, site-related compounds which formerly were observed as exceedances in groundwater from downgradient well MW-19S have not been captured by the remediation system.

4.3 ISOCONCENTRATION MAPS

Isoconcentration maps were prepared for sampling events conducted in June 2000, January/February 2002, April 2003, June 2004, June 2005, July 2006, August 2007, July 2008 and July 2009 and are presented in Figures 4-3(a–i) and 4-4(a–i). Data from January/February 2002 was used in place of August 2002 data because dry conditions prevented sampling of shallow monitoring wells (MW-4S, MW-6S, and MW-7S) at that time. Isoconcentration maps were created for organic compounds (1,1-DCA and 1,1,1-TCA), which had exceedances observed in the groundwater from downgradient well MW-19S.

4.3.1 VOC Exceedances in Shallow Wells

Figure 4-1a and Table 4-1 provide a summary of the exceedances of VOCs observed to have been present in the groundwater samples from shallow wells. Concentrations of 1,1-DCA and 1,1,1- TCA exceeded their respective action levels in the groundwater samples collected from site monitoring well MW-17. Concentration of 1,1,1-TCA exceeded its respective action level in monitoring well MW-4S.

Isoconcentration contours of these compounds were prepared for the June 2000, January/February 2002, April 2003, June 2004, June 2005, July 2006, August 2007, July 2008 and July 2009 data and are presented in Figures 4-3a to 4-3i (1,1-DCA) and Figures 4-4a to 4-4i (1,1,1-TCA). Concentrations of 1,1-DCA found in groundwater for February 2002, April 2003, June 2004, June 2005, July 2006, August 2007, July 2008 and July 2009 are considerably less

than the levels present in June 2000 in all cases except monitoring well MW-17. The MW-17 sample collected during July 2009 had a 1,1-DCA concentration of 17 µg/L, which exceeds the action level of 5 µg/L. This was the second consecutive detection of any VOC in MW-17 since 2002. VOCs detected in MW-17 during both the July 2008 and July 2009 sampling events may result from partial operation of the groundwater extraction and treatment system during the SVE pilot test. During this period, the system was operated for four to six hours every two weeks rather than continuously. A notable change in the isoconcentration maps for 1,1,1-TCA is the area encompassed by the 5 µg/L action limit contour. In April 2003, June 2004, and June 2005 this area is less than one quarter of the size that it was in June 2000. The data from July 2009 indicate all locations (except for wells MW-4S and MW-17) with less than 5 µg/l of 1,1,1-TCA. Especially for MW-4S, the concentration of 1,1,1-TCA has been down from 340 µg/L in 2007 to 120 µg/L in 2009. While very slight variations might be detected from year to year, the significant reductions in the mass of 1,1,1-TCA dissolved in groundwater are evidence that the remediation system has been effective in capturing this constituent in the shallow groundwater at the site.

The July 2009 data indicate that only wells MW-4S and MW-17 exhibited levels of VOCs exceeding NY Water Quality Criteria (Figure 4-1a), the same pattern as in the 2008 sampling event. The only VOC detected in groundwater obtained from well MW-4S to exceed NY Water Quality Criteria in July 2009 was 120 µg/l of 1,1,1-TCA (as compared to 200 µg/l for the 2008 sample). The sample from MW-17 contained 1,1-DCA and 1,1,1-TCA at concentrations of 17 µg/l and 8.1 µg/l, respectively (as compared to 20 µg/l and 7.4 µg/l for the 2008 sample). Both results from 2008 and 2009 samples were not consistent with the general trend for this well as VOCs had not been detected since 2002 and are probably due to the mothballing of system operation since 2007. Overall, historical results indicate the success of the remediation system at capturing VOCs in the shallow aquifer. Groundwater obtained from well MW-4S historically showed greater levels of VOCs than any other monitoring well (Figure 4-1a). Levels of VOCs (1,1-DCA, 1,1-DCE, 1,1,1-TCA, PCE) detected in groundwater from this well have declined since October 2000.

As noted in Section 1.5, localized treatment (SVE pilot test) around MW-4S was initiated in August 2007 by the USEPA.

4.3.2 VOC Exceedances in Deep Wells

Figure 4-2a and Table 4-1 provide a summary of the exceedances of VOCs present in groundwater samples from the deep wells. These data show that multiple exceedances of 1,1-DCA, 1,1-DCE, 1,1,1-TCA, PCE, TCE, 1,2-dichloroethene (total) (1,2-DCE), and methylene chloride were observed in groundwater from various deep wells. These data also show that multiple exceedances of 1,1-DCE, 1,1,1-TCA, PCE and TCE were present in groundwater from upgradient well MW-1D, indicating these specific compounds are non site-related. These same compounds were also shown to have multiple exceedances in groundwater from downgradient well MW-19D, indicating these compounds are being transported in deeper groundwater across the site. Appendix A-2 contains the historical summary data for each monitoring well.

Figure 4-5 presents these VOCs in a cross-sectional view and shows data for wells screened in the Upper Glacial Aquifer and the deeper Magothy Aquifer for the June 2005, July 2006, August 2007, July 2008 and July 2009 sampling events and for baseline values from before the system was activated in June 2000. It is apparent that the PCE and TCE detected in groundwater in the Magothy Aquifer are being transported within the Magothy Aquifer under the site and that these compounds originate from a source upgradient of the subject property.

Multiple exceedances of 1,2-DCE were observed in groundwater from downgradient well MW-19D through July 2006. 1,2-DCE is a daughter-product of natural biodegradation of PCE and TCE (both of which were observed as exceedances in groundwater from upgradient well MW-1D); therefore, 1,2-DCE is not considered a site-related compound.

1,1-DCA, detected as multiple exceedances in groundwater from MW-7D through June 2004, is a daughter-product of natural biodegradation of 1,1,1-TCA. 1,1,1-TCA was observed as an exceedance in groundwater from upgradient well MW-1D; therefore, 1,1-DCA is not considered a site-related compound.

Methylene chloride is believed not to be representative of groundwater contamination due to its widespread detection in method blank samples, and therefore, these data were not evaluated in this report.

For the 2009 sampling event, only one well, MW-19D, exhibited exceedances for three compounds (1,1,1-TCA at 18 µg/L; 1,1-DCE at 29 µg/L and TCE at 33.5 µg/L). As

previously indicated the source of the deep well impacts is believed to be non site-related and evaluations with respect to the remediation system effectiveness are based on the shallow wells.

4.4 GEOCHEMICAL TIME-SERIES GRAPHS

Trends in groundwater quality over time are apparent in geochemical time-series graphs prepared for each monitoring well. Time-series graphs were prepared by plotting concentration levels versus time for select compounds detected in groundwater samples collected during the period extending from June 2000 through July 2009. Time-series graphs and the associated data are presented in Appendix B.

- In general, the time-series graphs show either decreasing or stable concentrations of VOCs detected in groundwater from the shallow wells over the Performance Monitoring Period. Increases shown in the July 2008 data are related to high laboratory detection limits. Decreases are again noted on the July 2009 data with the use of lower laboratory detection limits. All compounds generally exhibited lower concentrations in 2009 sampling event where the method detection limit was low, except for 1,1,1-TCA in MW-17 which has a slight increase from 7.4 µg/l to 8.1 µg/l. Considering the detection limit issue, the overall trend appears to be generally decreasing or stable over the entire Performance Monitoring Period. Continued monitoring is recommended to provide for the ongoing evaluation of these results.
- The graphs also show an apparent slight increase in concentration of VOCs detected in deep well MW-19D, with general decreases in concentrations for all other deep zone wells over the Performance Monitoring Period. As noted above, the increase may be attributed to the relatively higher detection limits achieved during the July 2008 sampling event. Considering the detection limit issue, the overall trend appears to be slightly decreasing or stable over the Performance Monitoring Period.

It is also noted that the observed difference in trends observed in VOC concentrations between the shallow and the deep groundwater is likely attributable to focusing the remediation system on treating groundwater from the shallow zone, while leaving the deeper zone unaffected.

Trends over time in the levels of compounds observed as exceedances in groundwater from downgradient shallow well MW-19S are useful to evaluate the effectiveness of the remediation system. No VOC compounds have been detected as exceedances in groundwater from MW-19S since 6 µg/L of 1,1,1-TCA (a non-site related constituent) was detected in April

2003. Therefore, the time-series graph shows that the remediation system is effective in mitigating the VOC compounds. However, trends over time in the levels of compounds observed as exceedances in groundwater from downgradient well MW-19D indicate that the attenuation and degradation of these compounds continue as the non-site related deep groundwater plume migrates across the site.

Table 4-1. Site-Related and Non Site-Related Compounds, Circuitron Corporation Superfund Site

(Page 1 of 4)

Media	Location	Compound	Historical Exceedances	Current Exceedances	Site-Related	Rationale[(1)]
Shallow Groundwater	MW-1S (Upgradient well)	1,1 Dichloroethene	1	0	No	These four compounds were not observed as exceedances prior to remediation system startup.
		1,1,1 Trichloroethane	1	0	No	
		Tetrachloroethene	1	0	No	
		Trichloroethene	1	0	No	
		Methylene chloride	1	0	No	Method blank artifact
		Iron	8	- **	No	Baseline exceedance in MW-1S
		Manganese	6	- **	No	Baseline exceedance in MW-1S
	MW-3S	1,1,1 Trichloroethane	2	0	Yes	
		Iron	6	- **	No	Baseline exceedance in MW-1S
	MW-4S	1,1 Dichloroethane	4	0	Yes	
		1,1 Dichloroethene	2	0	Yes	
		1,1,1 Trichloroethane	14	1	Yes	
		Tetrachloroethene	10	0	Yes	
		Methylene chloride	3	0	No	Method blank artifact
		Chromium	5	- **	Yes	
		Iron	5	- **	No	Baseline exceedance in MW-1S
	MW-6S	1,1 Dichloroethene	1	0	Yes	
		1,1,1 Trichloroethane	10	0	Yes	
		Methylene chloride	2	0	No	Method blank artifact
		Antimony	1	- **	No	Single exceedance
		Chromium	3	- **	Yes	
		Iron	3	- **	No	Baseline exceedance in MW-1S
	MW-7S	Methylene chloride	1	0	No	Method blank artifact
		Chromium	2	- **	Yes	
		Iron	3	- **	No	Baseline exceedance in MW-1S
	MW-13	1,1 Dichloroethane	5	0	Yes	
		1,1 Dichloroethene	2	0	Yes	
		1,1,1 Trichloroethane	10	0	Yes	
		Methylene chloride	1	0	No	Method blank artifact
		Chlorobenzene	1	0	No	Single exceedance
		Iron	*6	- **	No	Baseline exceedance in MW-1S
		Manganese	1	- **	No	Baseline exceedance in MW-1S

Table 4-1. Site-Related and Non Site-Related Compounds, Circuitron Corporation Superfund Site
(Page 2 of 4)

Media	Location	Compound	Historical Exceedances	Current Exceedances	Site-Related	Rationale[(1)]
Shallow Groundwater (Continued)	MW-14	1,1,1 Trichloroethane	6	0	Yes	
		Methylene chloride	1	0	No	Method blank artifact
		Iron	6	- **	No	Baseline exceedance in MW-1S
		Manganese	3	- **	No	Baseline exceedance in MW-1S
	MW-15	1,2 Dichloroethene (total)	3	0	Yes	
		Tetrachloroethene	2	0	Yes	
		Trichloroethene	1	0	Yes	
		Iron	6	- **	No	Baseline exceedance in MW-1S
		Manganese	5	- **	No	Baseline exceedance in MW-1S
	MW-16	Arsenic	1	- **	No	Single exceedance
		Iron	6	- **	No	Baseline exceedance in MW-1S
		Lead	1	- **	No	Single exceedance
		Manganese	5	- **	No	Baseline exceedance in MW-1S
	MW-17	1,1 Dichloroethane	3	1	Yes	
		1,1,1 Trichloroethane	9	1	Yes	
		1,1,2 Trichloroethane	2	0	Yes	
		Methylene chloride	1	0	No	Method blank artifact
		Chromium	1	- **	No	Single exceedance
		Iron	6	- **	No	Baseline exceedance in MW-1S
		Lead	1	- **	No	Single exceedance
		Manganese	2	- **	No	Baseline exceedance in MW-1S
	MW-18	Methylene chloride	2	0	No	Method blank artifact
		Chromium	1	- **	No	Single exceedance
		Iron	6	- **	No	Baseline exceedance in MW-1S
	MW-19S	1,1 Dichloroethane	1	0	Yes	
		1,1,1 Trichloroethane	2	0	Yes	
		Methylene chloride	4	0	No	Method blank artifact
		Chromium	2	- **	Yes	
		Iron	6	- **	No	Baseline exceedance in MW-1S
		Lead	1	- **	No	Single exceedance
		Manganese	6	- **	No	Baseline exceedance in MW-1S
		Mercury	1	- **	No	Single exceedance

Table 4-1. Site-Related and Non Site-Related Compounds, Circuitron Corporation Superfund Site

(Page 3 of 4)

Media	Location	Compound	Historical Exceedances	Current Exceedances	Site-Related	Rationale[1]
Deep Groundwater	MW-1D (Upgradient well)	1,1 Dichloroethane	1	0	No	Upgradient well
		1,1 Dichloroethene	12	0	No	
		1,1,1 Trichloroethane	12	0	No	
		Tetrachloroethene	*5	0	No	
		Trichloroethene	9	0	No	
		Methylene chloride	2	0		
		Chromium	5	- **	No	Upgradient well
		Iron	8	- **	No	
		Lead	1	- **	No	
	MW-3D	Methylene chloride	1	0	No	Method blank artifact
		Chromium	3	- **	No	Baseline exceedance in MW-1D
		Iron	4	- **	No	Baseline exceedance in MW-1D
		Manganese	1	- **	No	Not site-related in shallow aquifer
	MW-4D	1,1 Dichloroethane	1	0	No	Biodegradation product of 1,1,1-TCA
		1,1 Dichloroethene	9	0	No	Baseline exceedance in MW-1D
		1,1,1 Trichloroethane	10	0	No	Baseline exceedance in MW-1D
		Tetrachloroethene	2	0	No	Baseline exceedance in MW-1D
		Trichloroethene	8	0	No	Baseline exceedance in MW-1D
		Methylene chloride	2	0	No	Method blank artifact
		Iron	*6	- **	No	Baseline exceedance in MW-1D
	MW-5D	Methylene chloride	2	0	No	Method blank artifact
		Iron	4	- **	No	Baseline exceedance in MW-1D
		Manganese	6	- **	No	Not site-related in shallow aquifer
	MW-6D	1,1 Dichloroethene	4	0	No	Baseline exceedance in MW-1D
		1,1,1 Trichloroethane	7	0	No	Baseline exceedance in MW-1D
		Trichloroethene	7	0	No	Baseline exceedance in MW-1D
		Methylene chloride	2	0	No	Method blank artifact
		Chromium	5	- **	No	Baseline exceedance in MW-1D
		Iron	5	- **	No	Baseline exceedance in MW-1D
		Nickel	5	- **	No	Not site-related in shallow aquifer

Table 4-1. Site-Related and Non Site-Related Compounds, Circuitron Corporation Superfund Site

(Page 4 of 4)

Media	Location	Compound	Historical Exceedances	Current Exceedances	Site-Related	Rationale(1)
Deep Groundwater (Continued)	MW-7D	1,1 Dichloroethane	6	0	No	Biodegradation product of 1,1,1-TCA
		1,1 Dichloroethene	1	0	No	Baseline exceedance in MW-1D
		1,1,1 Trichloroethane	2	0	No	Baseline exceedance in MW-1D
		Trichloroethene	1	0	No	Baseline exceedance in MW-1D
		Methylene chloride	2	0	No	Method blank artifact
		Iron	*3	- **	No	Baseline exceedance in MW-1D
	MW-19D	1,1 Dichloroethene	14	1	No	Baseline exceedance in MW-1D
		1,1,1 Trichloroethane	14	1	No	Baseline exceedance in MW-1D
		1,2 Dichloroethene (total)	10	0	No	Biodegradation product of PCE and TCE
		Tetrachloroethene	14	0	No	Baseline exceedance in MW-1D
		Trichloroethene	14	1	No	Baseline exceedance in MW-1D
		Chloroform	6	0	No	Biodegradation product of 1,1,1-TCA
		Methylene chloride	4	0	No	Method blank artifact
		Chromium	3	- **	No	Baseline exceedance in MW-1D
		Iron	6	- **	No	Baseline exceedance in MW-1D
		Lead	4	- **	No	Baseline exceedance in MW-1D
		Manganese	5	- **	No	Not site-related in shallow aquifer
		Nickel	1	- **	No	Single exceedance

Notes: *Data considered in this table includes volatile organics through July 2009 and inorganics through April 2003. With concurrence from the USEPA, metals analysis was discontinued prior to the June 2004 sampling event.*

(1) Rationale:
Method blank artifact: The compound was detected in several method blanks and will not be considered site-related.
Baseline exceedance in MW-1S: The compound was observed to exceed action levels prior to remediation system startup in groundwater samples collected from the upgradient well and will not be considered site-related.
Single exceedance: The compound was observed as an exceedance in groundwater collected from a site well during only one sampling event and will not be considered site related.
Upgradient well: If a compound is observed exceeding action levels in this well, the compound will not be considered site-related in any downgradient well.
Baseline exceedance in MW-1D: The compound was observed to exceed action levels prior to remediation system startup in groundwater samples collected from the upgradient well and will not be considered site-related.
Not site-related in shallow aquifer: If a compound is determined to be non site-related in the shallow groundwater, it will not be considered site-related in deeper groundwater.
Biodegradation product: The compound is a biodegradation product of a compound that has been determined non site-related.

* Values that appear with an asterisk indicate that a duplicate sample showed a detection of the compound exceeding the action level, but analysis of the normal sample showed either a detection less than the action level or was not detected in excess of the detection limit. The number includes the duplicate exceedance.

** Metals not analyzed per USEPA since 2005.

MW-1S

Analyte	AL	Feb-94	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCE	5	<1	<5	<5	<5	<5	**10**	<5	<5	<5	<5	<5	<5	<5	<0.40	<0.96	<5	<0.19
1,1,1-TCA	5	0.40 J	<5	<5	<5	<5	**15**	<5	<5	<5	<5	<5	<5	<5	<0.43	<0.40	<5	<0.16
PCE	5	<1	<5	<5	<5	<5	**8**	<5	<5	<5	<5	<5	<5	<5	<0.35	<0.78	<5	0.74
TCE	5	<1	<5	<5	<5	<5	**12**	<5	<5	<5	<5	<5	<5	<5	<0.31	<0.37	<5	<0.11

MW-1S
MW-1D

MILBAR BOULEVARD

MW-3S

Analyte	AL	Feb-94	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04	Jun-04	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1,1 TCA	5	4 J	**10**	5	**7**	4 J	3 J	3 J	5 J	*4 J	4J	2J	2J	2J	<0.43	<0.40	<5	<0.16

MW-4S

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04*	Jun-04 (LF)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCA	5	**14 JD**	**14 JD**	**7 JD**	**7 JD**	2 J	2 JD	4 JD	NS	2J	<5	<5	<5	<0.34	<0.39	<20	<0.26
1,1 DCE	5	**40 JD**	**22 JD**	<5	<5	<5	3 JD	5 JD	NS	<5	***4J**	5	1J	<0.53	<0.61	<20	<0.38
1,1,1 TCA	5	**1000 D**	**860 D**	**630D**	**260 D**	**80**	**280 D**	**320 D**	NS	**190**	***205**	**260**	***88.5**	**310**	**340**	**200**	**120**
PCE	5	**13 JD**	**19 JD**	**14 JD**	**12 D**	**11**	**15 D**	**14 D**	NS	**26**	***11**	**12**	<5	4.4J	6.6	<20	2.7

CIRCUITRON CORPORATION SITE

MW-3S
MW-3D
MW-15
MW-4S
MW-4D
TANK

MW-15

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,2 DCE (t)	5	**42**	*1J	***19**	**24**	<5	<5	<5	<5	<5	<5	<5	<5	<0.47	<0.83	<5	<0.24
PCE	5	**11**	<5	***8**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.50	<0.44	<5	0.20J
TCE	5	**14**	<5	*4J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.38	<0.58	<5	<0.11

MW-13
RW-1
MW-5D
MW-5S

MW-5S
Abandoned

MW-13

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCA	5	**14**	**40 D**	**9**	**8**	**7**	2 J	<5	*3 J	4J	<5	<5	<5	<0.34J	<0.39	<5	<0.13
1,1 DCE	5	**8**	**7 JD**	2 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.53J	<0.61	<5	<0.19
1,1,1 TCA	5	**120**	**350 D**	**110**	**34**	**34**	**15**	**34**	***12**	**30**	**14**	**6**	<5	<0.33J	<0.48	4.6J	<0.16

MW-6S

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCE	5	<5	**14 JD**	<5	<5	<5	1 J	1 J	NS	<5	1J	<5	<0.53	<0.61	<5	<0.19
1,1,1 TCA	5	**15**	**360 D**	**110**	**85**	***110**	**92**	**54**	NS	**19**	**24**	**16**	**<0.33**	<0.48	<5	<0.16

MW-6D
MW-6S
CONC. S.W.
MW-16
SCHMITT BOULEVARD
MW-17
MW-7S
MW-7D
RW-2

MW-17

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCA	5	5	**7**	3 J	2 J	1 J	1 J	2 J	3 J	<5	<5	<5	<5	<0.38	<0.39	**20**	**17**
1,1,1 TCA	5	**39**	**58**	**33**	**9**	**12**	**19**	**22**	5 J	4J	<5	<5	<5	<0.53	<0.48	**7.4**	**8.1**
1,1,2 TCA	1	<5	**3 J**	<5	<5	1 J	**2 J**	<5	<5	<5	<5	<5	<5	<0.44	<0.70	<5	<0.11

MW-14

MW-14

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1,1 TCA	5	**21**	**8**	**15**	5 J	**12**	**6**	**15**	1 J	2J	3J	<5	<5	<0.33J	<0.48	<5	<0.16

MW-19S

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCA	5	**6**	4 J	3 J	4 J	5 J	3 J	3 J	3 J	4J	<5	<5	<5	<0.28	<0.39	<5	0.28J
1,1,1 TCA	5	**8**	5 J	1 J	<5	1 J	2 J	1 J	<5	**6**	<5	<5	<5	<0.43	<0.48	<5	<0.16

RW-3

MW-18
No Exceedances

MW-18
GAZZA BOULEVARD
MW-19D
MW-19S

LEGEND

⊕	SHALLOW MONITORING WELL
⊕	DEEP MONITORING WELL
◪	RECOVERY WELL
1,1 DCA	1,1 DICHLOROETHANE
1,1 DCE	1,1 DICHLOROETHENE
1,1,1 TCA	1,1,1 TRICHLOROETHANE
1,1,2 TCA	1,1,2 TRICHLOROETHANE
1,2 DCE(t)	1,2 DICHLOROETHENE (TOTAL)
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
AL	ACTION LEVEL: APPLICABLE FEDERAL & STATE GROUNDWATER DRINKING WATER STANDARD
B	ANALYTE WAS DETECTED IN ASSOCIATED BLANK
J	ESTIMATED
D	RESULTS REPORTED FROM DILUTED SAMPLE
NS	NOT SAMPLED, WELL DRY
<	NOT DETECTED IN EXCESS OF STATED METHOD DETECTION LIMIT

REINJECTION TRENCH AND MANHOLE

NOTES:

BOLDED VALUES EXCEED ACTION LEVEL

* VALUES MARKED WITH ASTERISK ARE THE ARITHMETIC MEAN OF NORMAL AND DUPLICATE SAMPLES

ALL CONCENTRATIONS PRESENTED IN ug/L

FOR JUNE 2004, DIFFUSION BAG SAMPLING WAS PERFORMED: T–TOPMOST BAG; B–BOTTOM BAG

FOR MW–4S IN JUNE 2004, DIFFUSION BAG (DB) & LOW FLOW (LF) SAMPLES WERE COLLECTED AS PER USEPA'S REQUEST.

N

100 0 100 200

GRAPHIC SCALE (IN FEET)

Volatile Organic Compound Concentrations Exceeding Screening Criteria Shallow Wells

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4–1a.DWG | DATE: 11–14–09 | FIGURE #: **4-1a**

File Name: K:\Cadd\41785954 (Circuitron 2009)\fig 4-2a.dwg Dec 30, 2009 - 3:41pm

MW-1D

Analyte	AL	May-93	Feb-94	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCE	5	**31.00 J**	**24.00**	**9**	**10**	**7**	***8**	< 5	***10**	**11**	**10**	**7**	**7**	**7**	**7**	4.8 J	1.5J	<5	2.0
1,1,1-TCA	5	**84.00 J**	**99.00**	**16**	**14**	**13**	***13**	<5	***16**	**14**	**12**	**8**	**7**	**7**	**8**	<0.43	<0.4	<5	1.0
PCE	5	**38.00 J**	**18.00**	5 J	**6**	4 J	*5	<5	***6**	**6**	5	3J	2J	1J	1J	<0.35	<0.78	<5	<0.11
TCE	5	**76.00 J**	**82.00**	**13**	**15**	**10**	***10**	<5	***11**	**11**	**12**	5J	5	5	5	2.0 J	1.6J	<5	1.4

MW-4D

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCA	5	***8**	5	4 J	2 J	4 J	3 J	4 J	4 J	*3J	3J	4J	2J	3.0 J	2.5J	3.0J	0.87
1,1 DCE	5	***14**	**8**	**6**	**6**	**8**	**6**	**8**	**9J**	*5J	**8**	**9**	3J	4.8 J	4.3J	1.6J	1.0
1,1,1 TCA	5	***27**	**20**	**13**	**23**	**11**	**12**	**12**	**13J**	***8**	**8**	**10**	2J	<0.33J	<0.48	<5	<0.16
PCE	5	***8**	**6**	4 J	<5	5 J	3 J	3 J	2 J	*2J	2J	2J	<5	<0.24J	<0.44	<5	0.49J
TCE	5	***24**	**17**	**11**	3 J	**11**	**9**	**10**	**8J**	*5J	**6**	**7**	3J	2.8 J	2.4J	1.2J	0.83

MW-6D

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCE	5	5 J	4 J	3 J	3 J	3 J	3 J	4 J	**7**	5	**6**	**6**	5	**7.8**	**5.3**	1.3J	0.67
1,1,1 TCA	5	**10**	**8**	5	5 J	4 J	5	5	**9**	**6**	**6**	**7**	**6**	**5.8**	<0.48	1.2J	<0.16
TCE	5	**8**	**6**	5	4 J	4 J	4 J	4 J	**7**	**6**	**7**	**7**	**6**	**6.0**	4.9J	1.5J	0.99

MW-7D

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCA	5	**8**	**8**	**8**	2 J	**8**	**8**	***7**	5J	*4J	1J	2J	<5	<0.28	<0.39	<5	<0.13
1,1 DCE	5	4 J	5	3 J	**11**	3	3 J	*3 J	4 J	*1J	<5	1J	<5	<0.40	<0.61	<5	0.57
1,1,1 TCA	5	**7**	5 J	3 J	**15**	2 J	2 J	*2 J	3 J	*<5J	<5	<5	<5	<0.43	<0.48	<5	<0.16
TCE	5	5	**6**	4 JB	5 J	3 J	3 J	*3 J	3 J	*2J	<5	1J	<5	<0.31	<0.58	<5	<0.51

MW-19D

Analyte	AL	Jun-00	Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Jul-02	Apr-03	Jun-04 (T)	Jun-04 (B)	Jun-04 (LF)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 DCE	5	**14**	**14**	**12**	**18**	**19**	***18**	**23**	**24**	**11**	<5	***22**	**19**	***24.5**	***100**	<0.61	**42**	***29J**
1,1,1 TCA	5	**23**	**19**	**17**	**27**	**27**	***28**	**30**	**28**	**16**	2J	***23**	**22**	***29.5**	***71**	<0.48	**34**	***18**
1,2 DCE (t)	5	3J	**6**	<5	**7**	**8**	***8**	**8**	**10**	**8**	<5	***8**	**7**	***6.5**	***5.1**	<0.83	2.7J	*2.3J
Chloroform	7	2J	2 J	<5	5 J	7	*7	**10**	**14**	**19**	2J	***32**	**25**	***21**	*5.9	<0.35	2.4J	*1.5
PCE	5	**46**	**47**	**50**	**55**	**65**	***62**	**77**	**62**	**57**	2J	***24**	**39**	***19**	***17.5**	<0.44	**8.0**	*4.0
TCE	5	**40**	**34**	**37**	**36**	**46**	***43**	**55**	**57**	**33**	2J	***34**	**32**	***27**	***27**	<0.58	**40**	***33.5J**

MW-1S
MW-1D
MILBAR BOULEVARD
CIRCUITRON CORPORATION SITE
MW-3S
MW-3D
MW-15
MW-4S
MW-4D
TANK
MW-13
RW-1
MW-5S
MW-5D
MW-6S
MW-6D
CONC. S.W.
SCHMITT BOULEVARD
MW-16
MW-17
MW-7S
MW-7D
RW-2
MW-14
RW-3
MW-18
GAZZA BOULEVARD
MW-19D
MW-19S

LEGEND

- ⊕ SHALLOW MONITORING WELL
- ⊕ DEEP MONITORING WELL
- ◪ RECOVERY WELL
- 1,1 DCA 1,1 DICHLOROETHANE
- 1,1 DCE 1,1 DICHLOROETHENE
- 1,1,1 TCA 1,1,1 TRICHLOROETHANE
- 1,2 DCE(t) 1,2 DICHLOROETHENE (TOTAL)
- PCE TETRACHLOROETHENE
- TCE TRICHLOROETHENE
- AL ACTION LEVEL: APPLICABLE FEDERAL & STATE GROUNDWATER DRINKING WATER STANDARD
- B ANALYTE WAS DETECTED IN ASSOCIATED BLANK
- J ESTIMATED
- < NOT DETECTED IN EXCESS OF STATED METHOD DETECTION LIMIT
- REINJECTION TRENCH AND MANHOLE

N

100 0 100 200

GRAPHIC SCALE (IN FEET)

NOTES:

BOLDED VALUES EXCEED ACTION LEVEL

* VALUES MARKED WITH ASTERISK ARE THE ARITHMETIC MEAN OF NORMAL AND DUPLICATE SAMPLES

ALL CONCENTRATIONS PRESENTED IN ug/L

FOR JUNE 2004, DIFFUSION BAG SAMPLING WAS PERFORMED: T-TOPMOST BAG; B-BOTTOM BAG

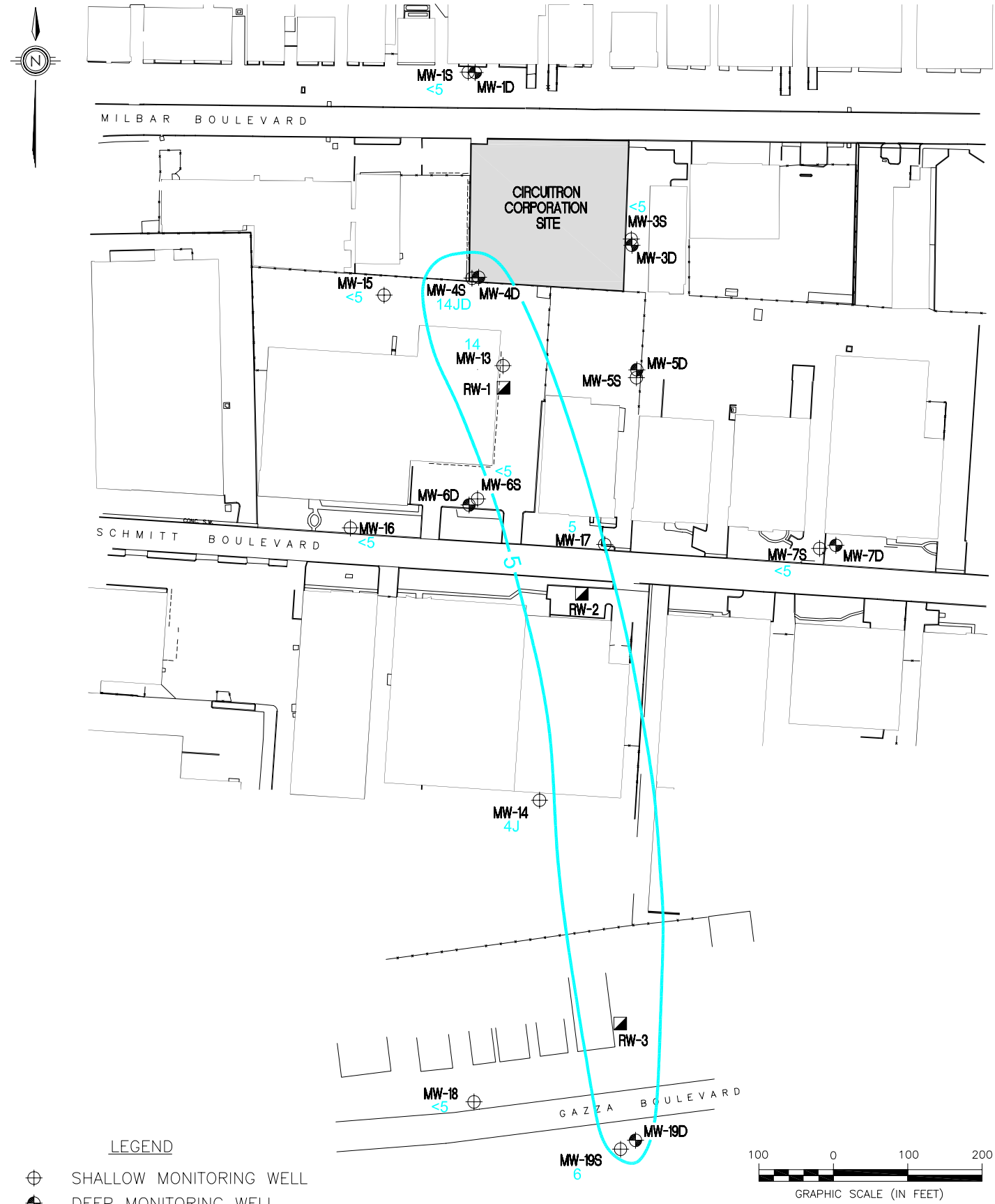
FOR MW-19D IN JUNE 2004, DIFFUSION BAG & LOW FLOW (LF) SAMPLES WERE COLLECTED AS PER USEPA'S REQUEST.

Volatile Organic Compound Concentrations Exceeding Screening Criteria Deep Wells

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-2A.DWG	DATE: 11-14-09	FIGURE #: **4-2a**



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- 4 1,1 DICHLOROETHANE (1,1 DCA) CONCENTRATION VALUE (ug/L)
- 1,1 DCA CONCENTRATION CONTOUR LINE

QUALIFERS:

D RESULTS ARE REPORTED FOR THE DILUTED SAMPLES

J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

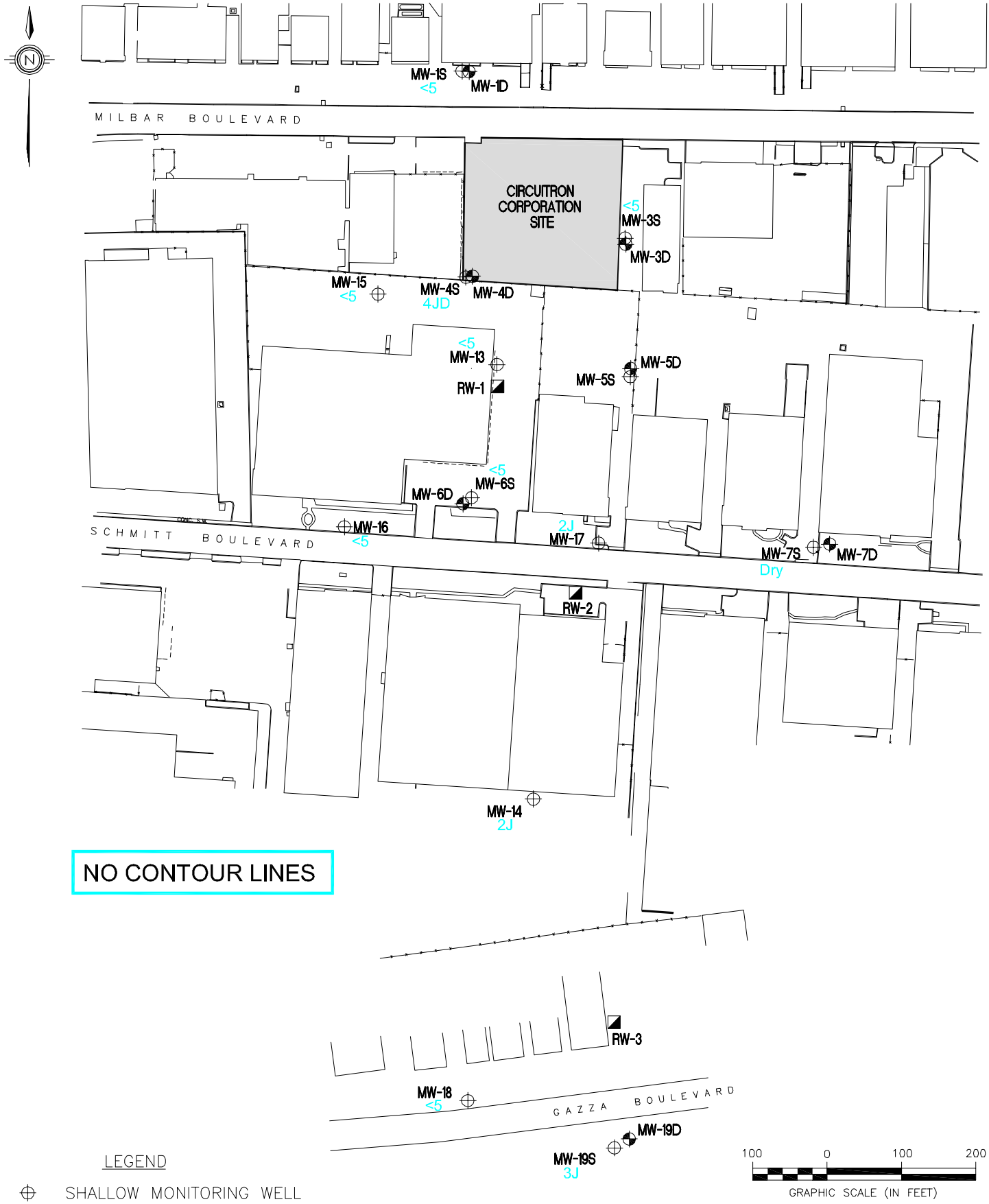
1,1 DCA June 2000

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-3a.DWG	DATE: 4-29-03	FIGURE #: 4-3a



LEGEND

- ⊕ SHALLOW MONITORING WELL
- ⊕ DEEP MONITORING WELL
- ◪ RECOVERY WELL
- <5 1,1 DICHLOROETHANE (1,1 DCA) CONCENTRATION VALUE (ug/L)

QUALIFERS:

- D RESULTS ARE REPORTED FOR THE DILUTED SAMPLES
- J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

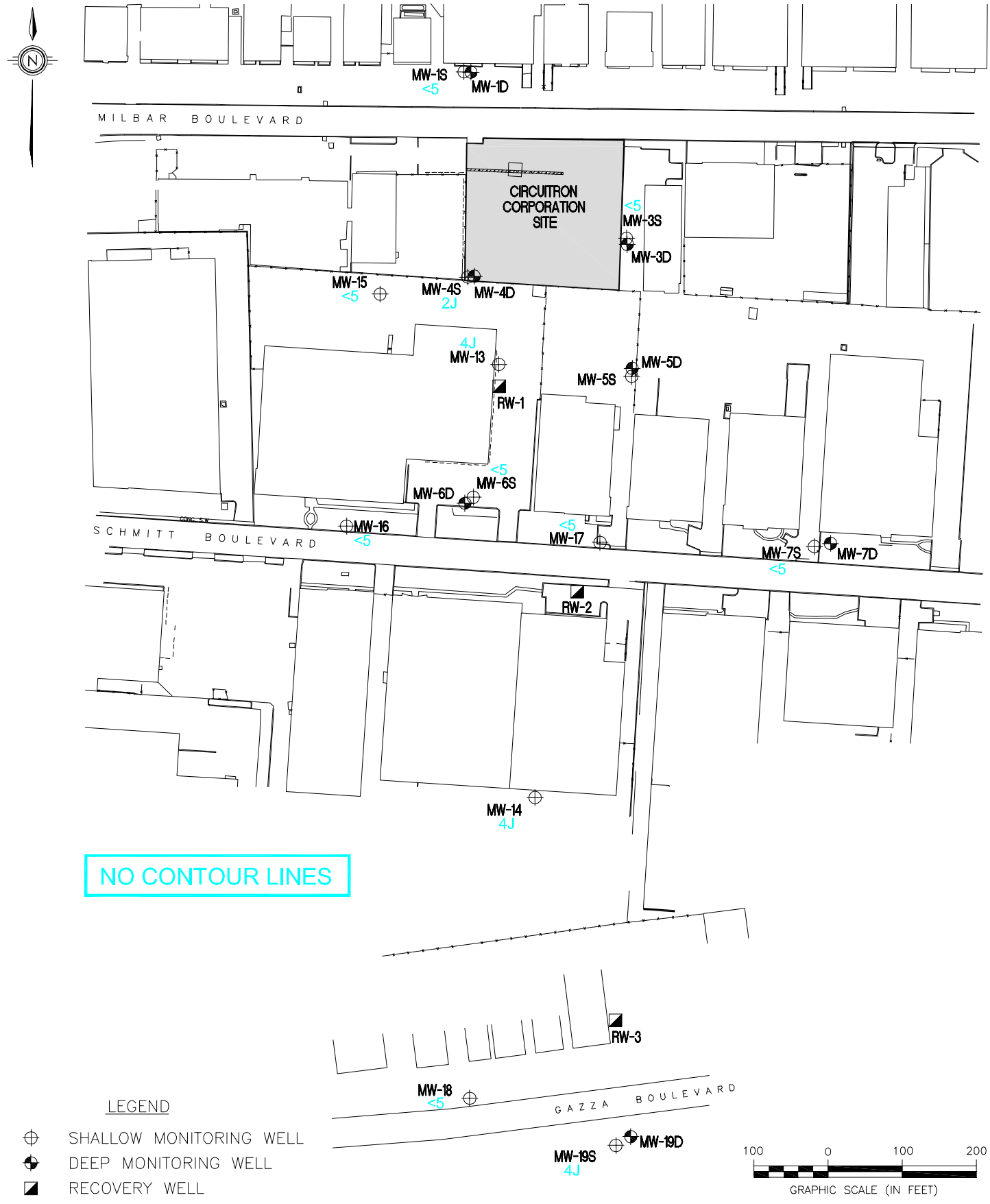
1,1 DCA February 2002

Isoconcentration Map (ug/L)
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-3b.DWG	DATE: 4-29-03	FIGURE #: 4-3b



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 4 1,1 DICHLOROETHANE (1,1 DCA) CONCENTRATION VALUE (ug/L)
- 1,1 DCA CONCENTRATION CONTOUR LINE

QUALIFERS:

D RESULTS ARE REPORTED FOR THE DILUTED SAMPLES

J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

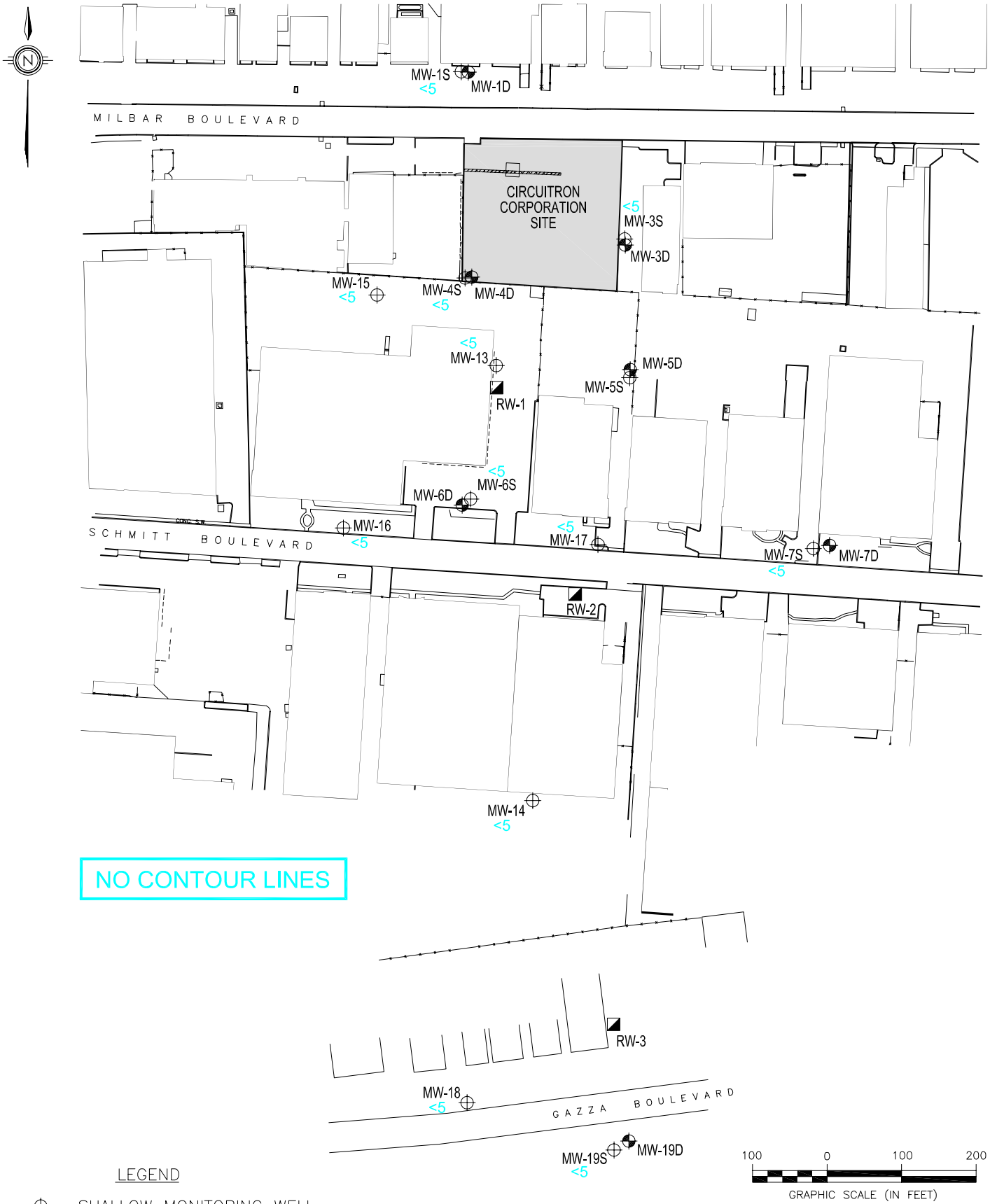
1,1 DCA April 2003

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-3c.DWG	DATE: 2-2-04	FIGURE #: 4-3c



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 4 — 1,1 DICHLOROETHANE (1,1 DCA) CONCENTRATION VALUE (ug/L)
- 1,1 DCA CONCENTRATION CONTOUR LINE

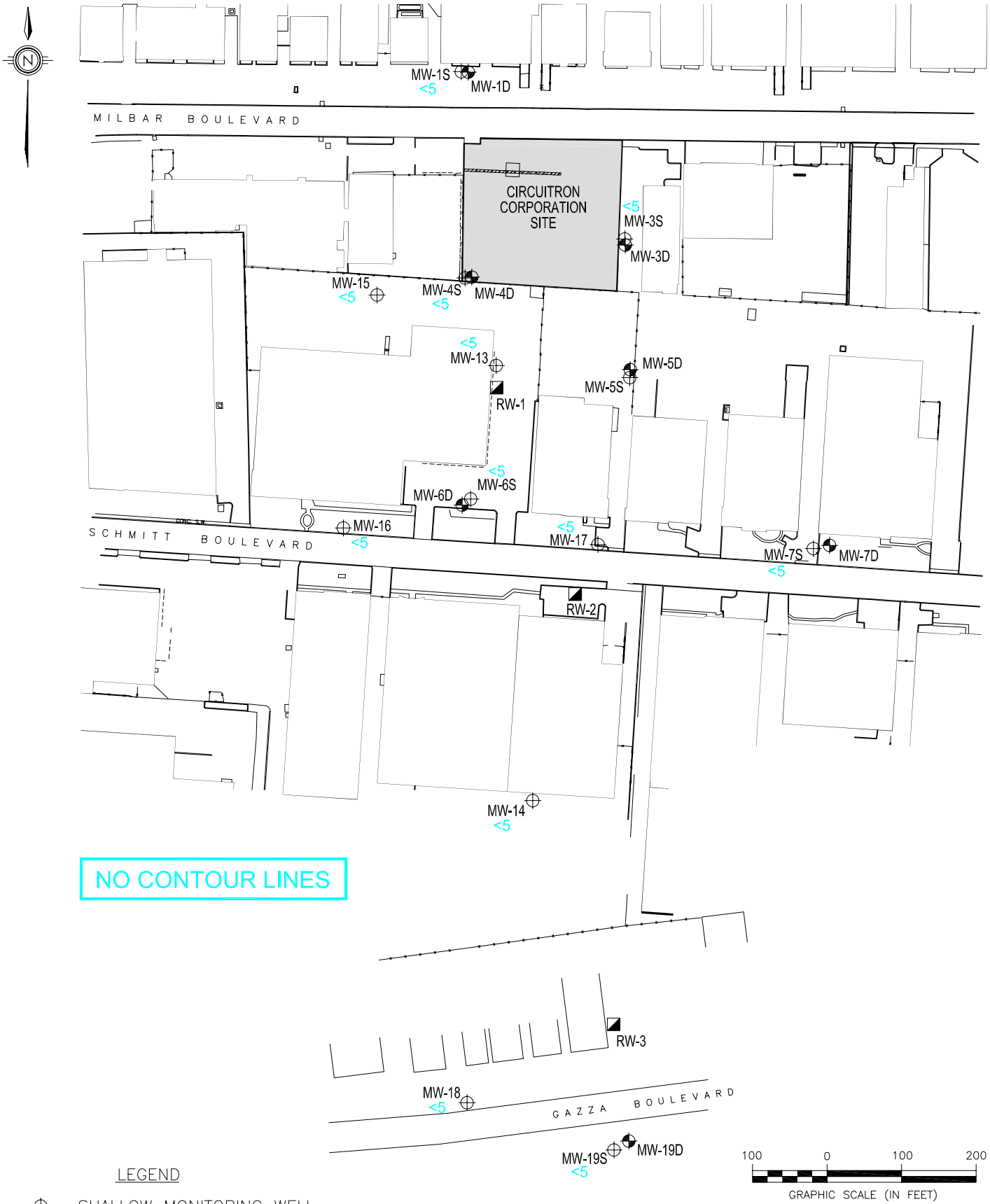
1,1 DCA June 2004

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-3d.DWG	DATE: 8-20-04	FIGURE #: **4-3d**



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 4 — 1,1 DICHLOROETHANE (1,1 DCA) CONCENTRATION VALUE (ug/L)
- 1,1 DCA CONCENTRATION CONTOUR LINE

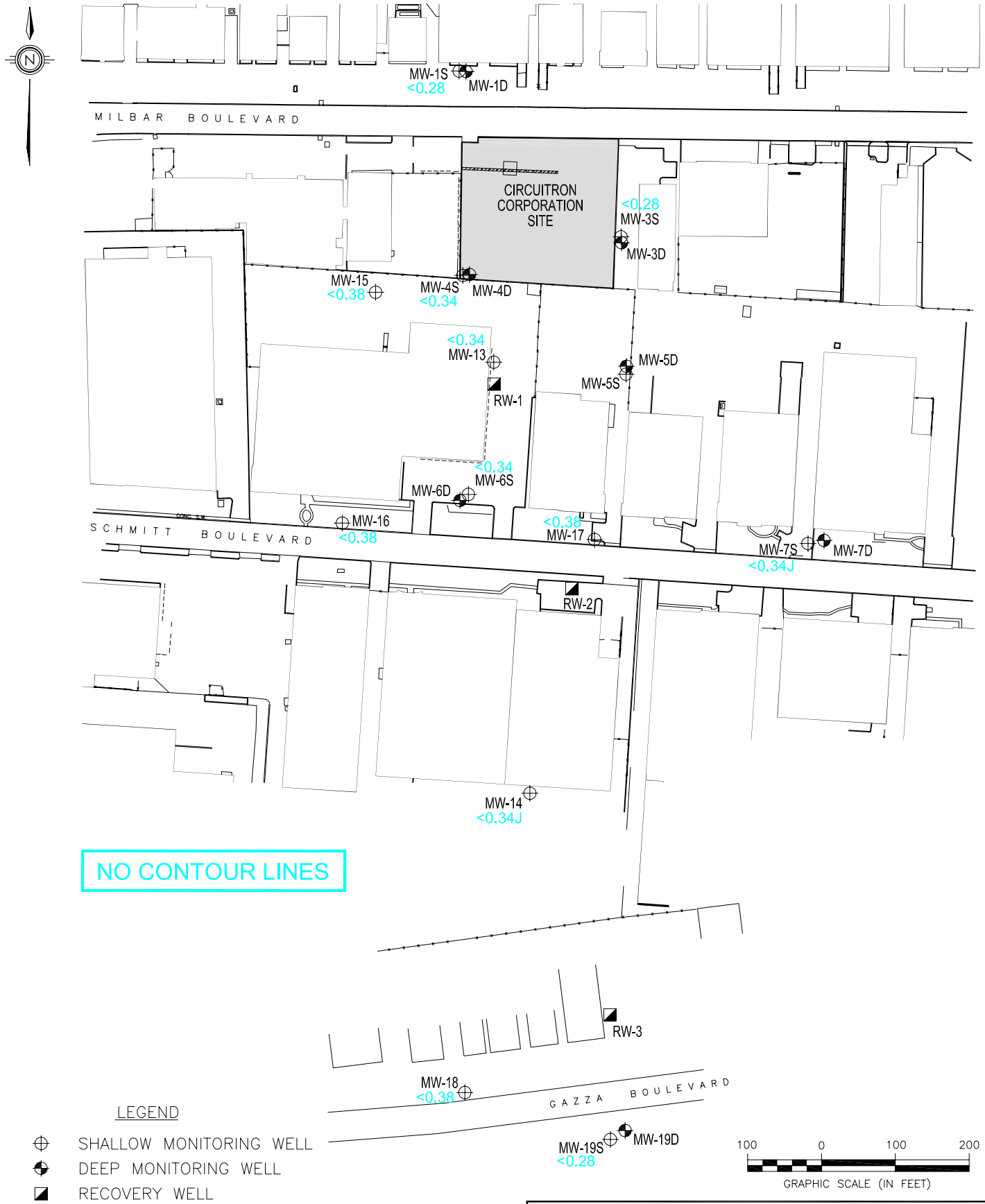
1,1 DCA June 2005

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-3e.DWG	DATE: 9-7-05	FIGURE #: 4-3e



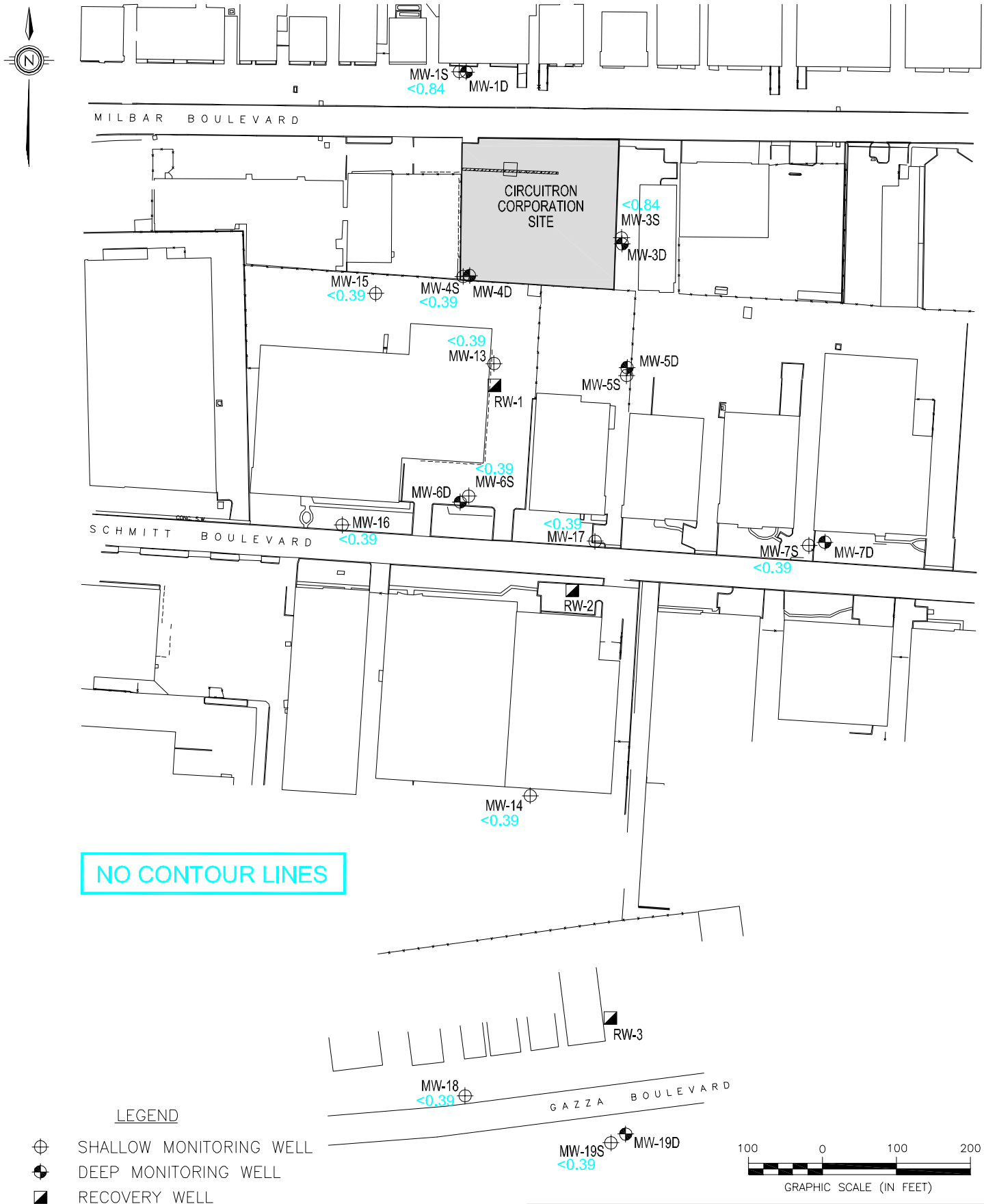
1,1 DCA July 2006

Isoconcentration Map (ug/L)
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-3f.DWG	DATE: 9-11-06	FIGURE #: 4-3f



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 4 1,1 DICHLOROETHANE (1,1 DCA) CONCENTRATION VALUE (ug/L)
- 1,1 DCA CONCENTRATION CONTOUR LINE

QUALIFERS:

J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

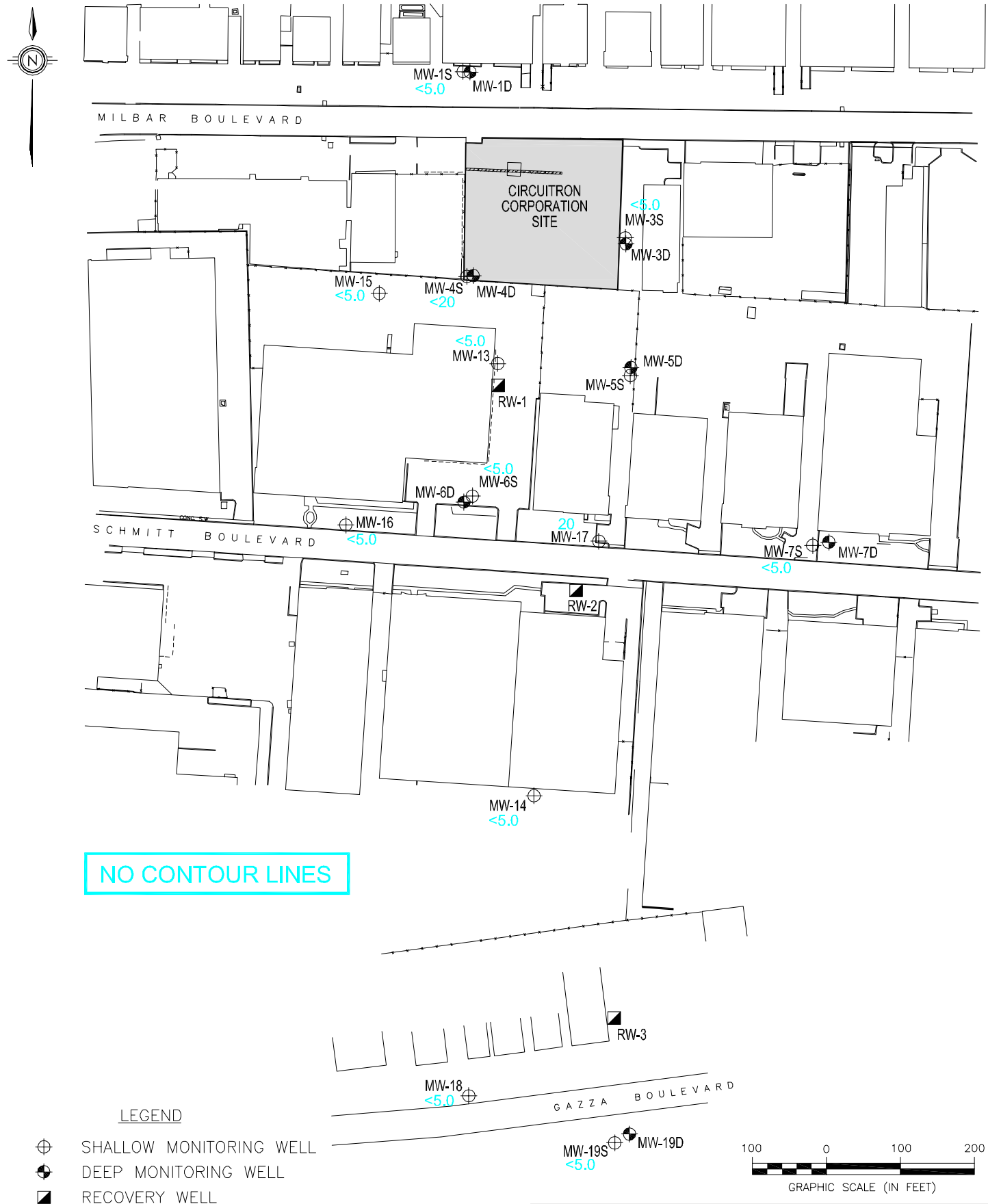
1,1 DCA August 2007

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-3g.DWG	DATE: 10-31-07	FIGURE #: 4-3g



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 20 1,1 DICHLOROETHANE (1,1 DCA) CONCENTRATION VALUE (ug/L)
- 1,1 DCA CONCENTRATION CONTOUR LINE

QUALIFERS:

J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

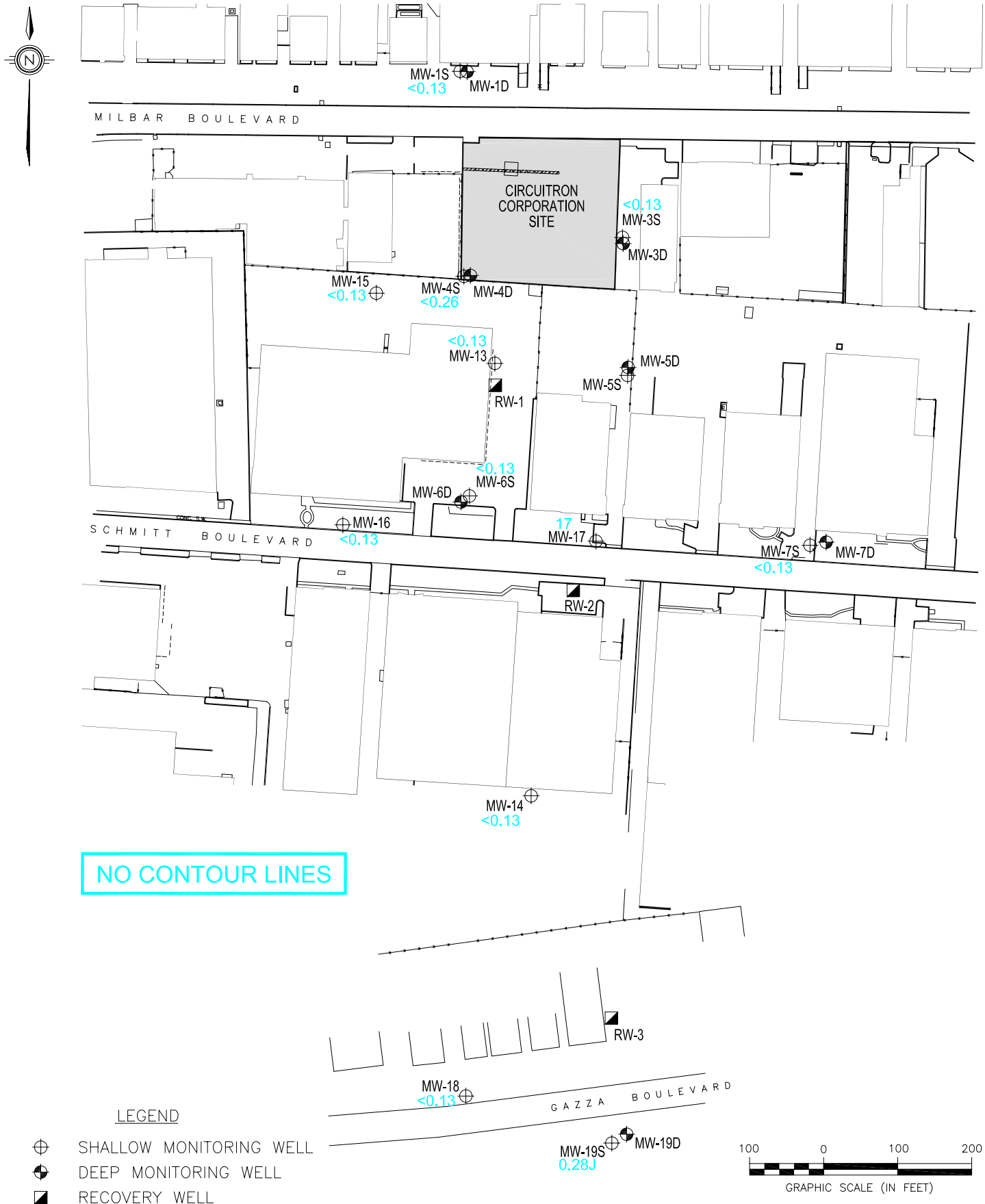
1,1 DCA July 2008

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-3h.DWG	DATE: 10-14-08	FIGURE #: 4-3h



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 4 1,1 DICHLOROETHANE (1,1 DCA) CONCENTRATION VALUE (ug/L)
- 1,1 DCA CONCENTRATION CONTOUR LINE

QUALIFERS:

J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

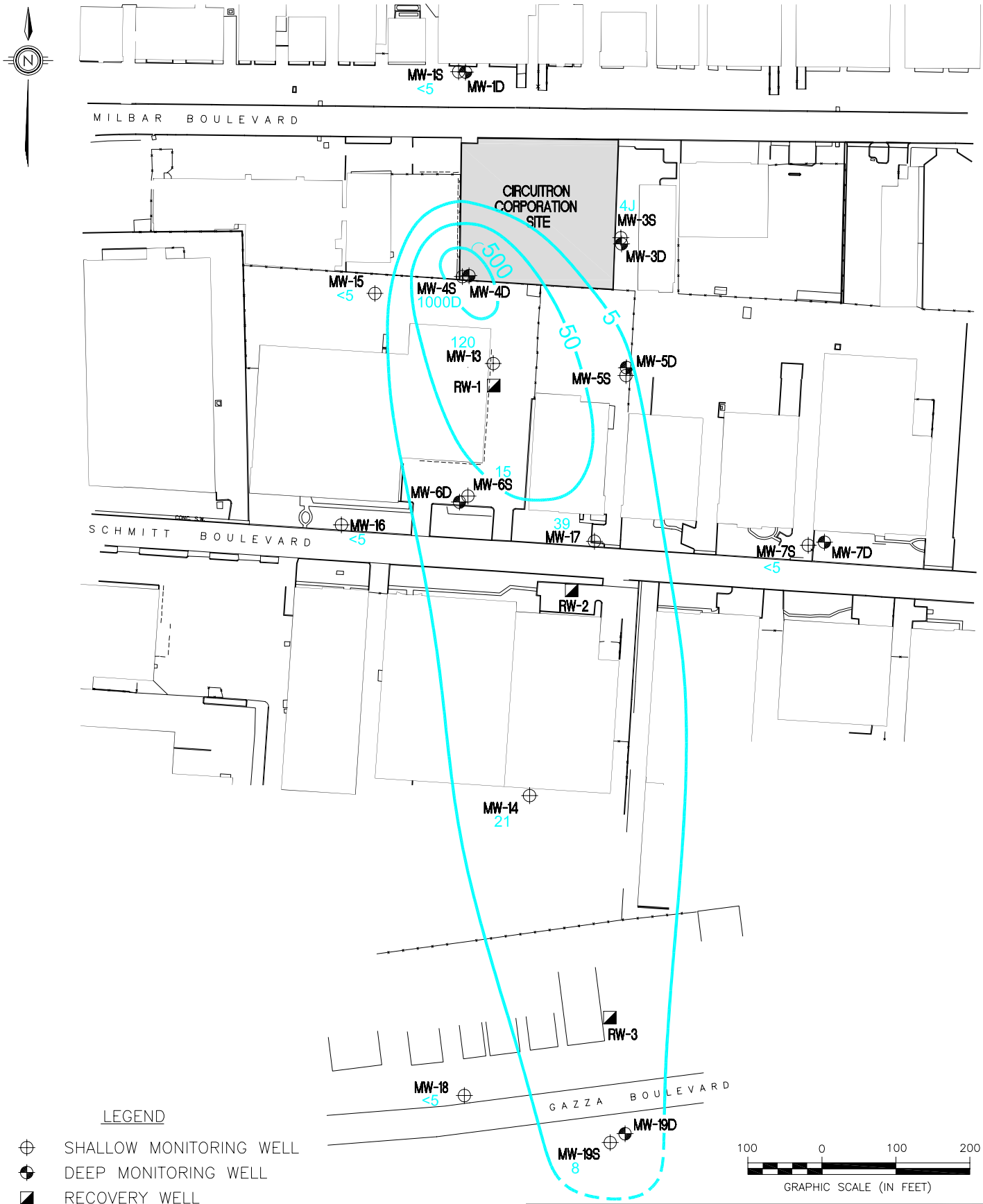
1,1 DCA July 2009

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-3i.DWG	DATE: 11-11-09	FIGURE #: 4-3i



LEGEND

- ⊕ SHALLOW MONITORING WELL
- ⊕ DEEP MONITORING WELL
- ◪ RECOVERY WELL
- 8 1,1,1 TRICHLOROETHANE (1,1,1 TCA) CONCENTRATION VALUE (ug/L)
- 1,1,1 TCA CONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

QUALIFERS:

- D RESULTS ARE REPORTED FOR THE DILUTED SAMPLES
- J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

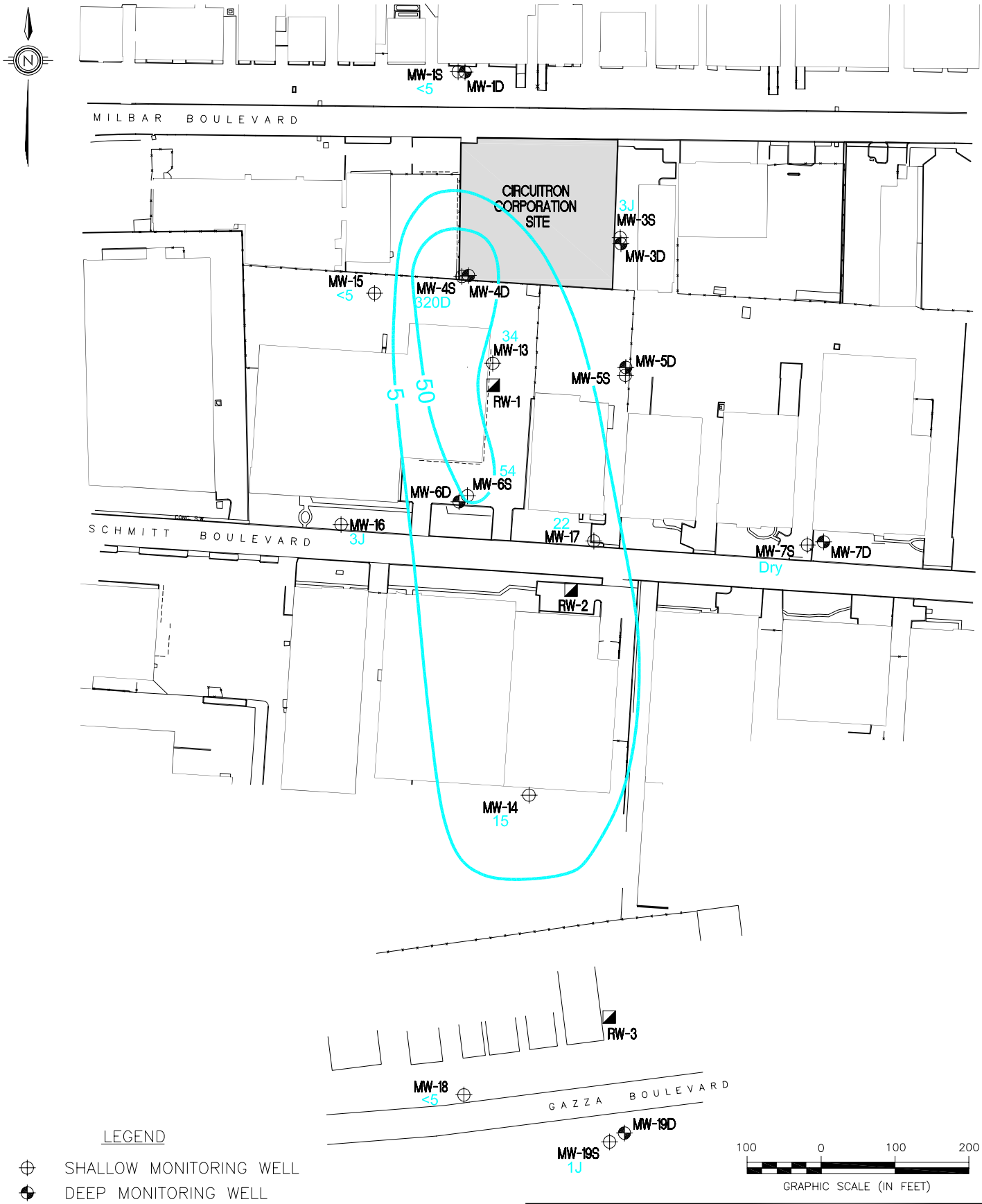
1,1,1 TCA June 2000

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-4a.DWG	DATE: 4-29-03	FIGURE #: **4-4a**



LEGEND

- ⊕ SHALLOW MONITORING WELL
- ⊕ DEEP MONITORING WELL
- ◪ RECOVERY WELL
- 15 1,1,1 TRICHLOROETHANE (1,1,1 TCA) CONCENTRATION VALUE (ug/L)
- 1,1,1 TCA CONCENTRATION CONTOUR LINE

QUALIFERS:

- D RESULTS ARE REPORTED FOR THE DILUTED SAMPLES
- J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

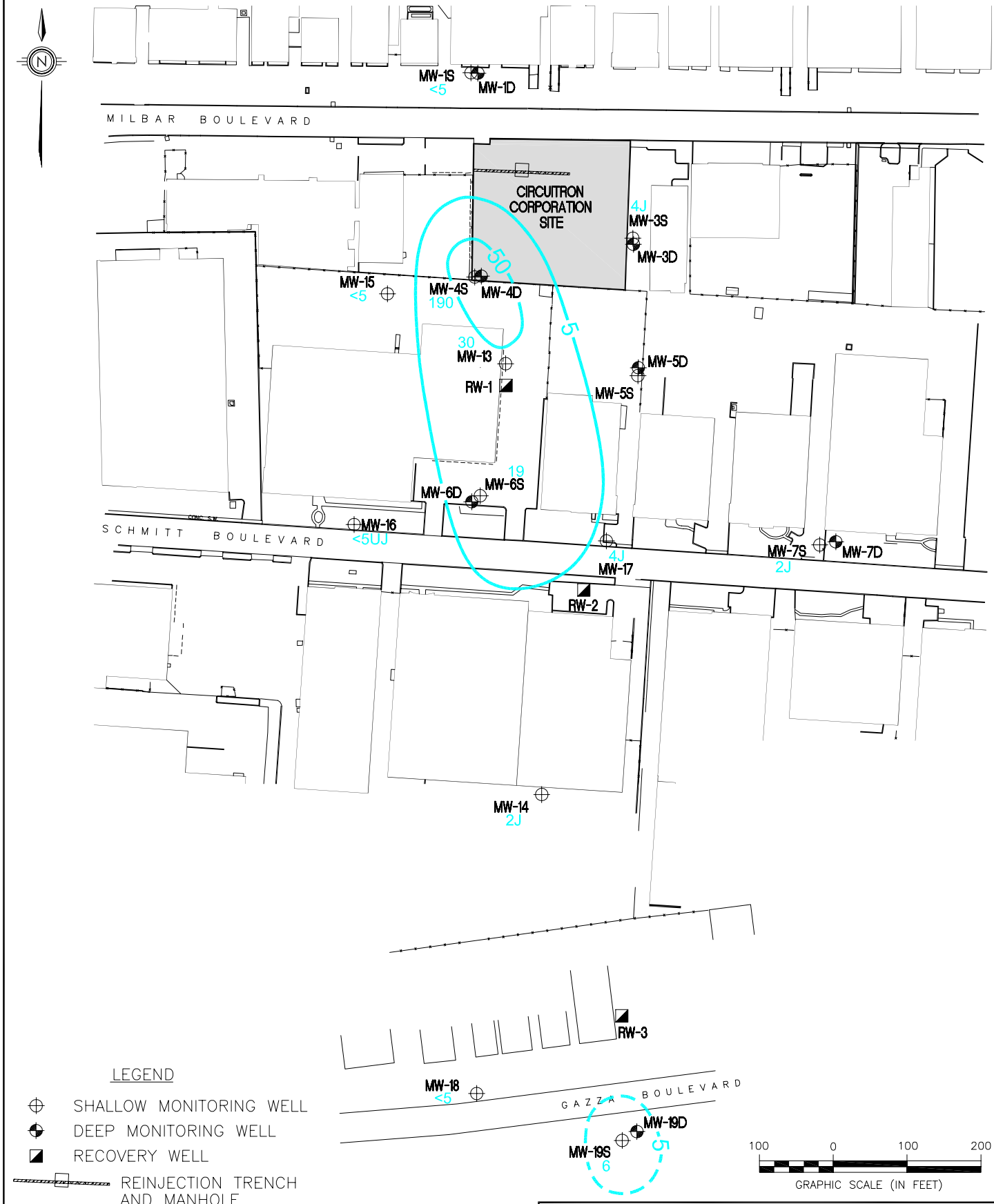
1,1,1 TCA JANUARY-FEBRUARY 2002

Isoconcentration Map (ug/L)
Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-4b.DWG	DATE: 4-29-03	FIGURE #: 4-4b



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 8 — 1,1,1 TRICHLOROETHANE (1,1,1 TCA) CONCENTRATION VALUE (ug/L)
- 1,1,1 TCA CONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

QUALIFERS:

- D RESULTS ARE REPORTED FOR THE DILUTED SAMPLES
- J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

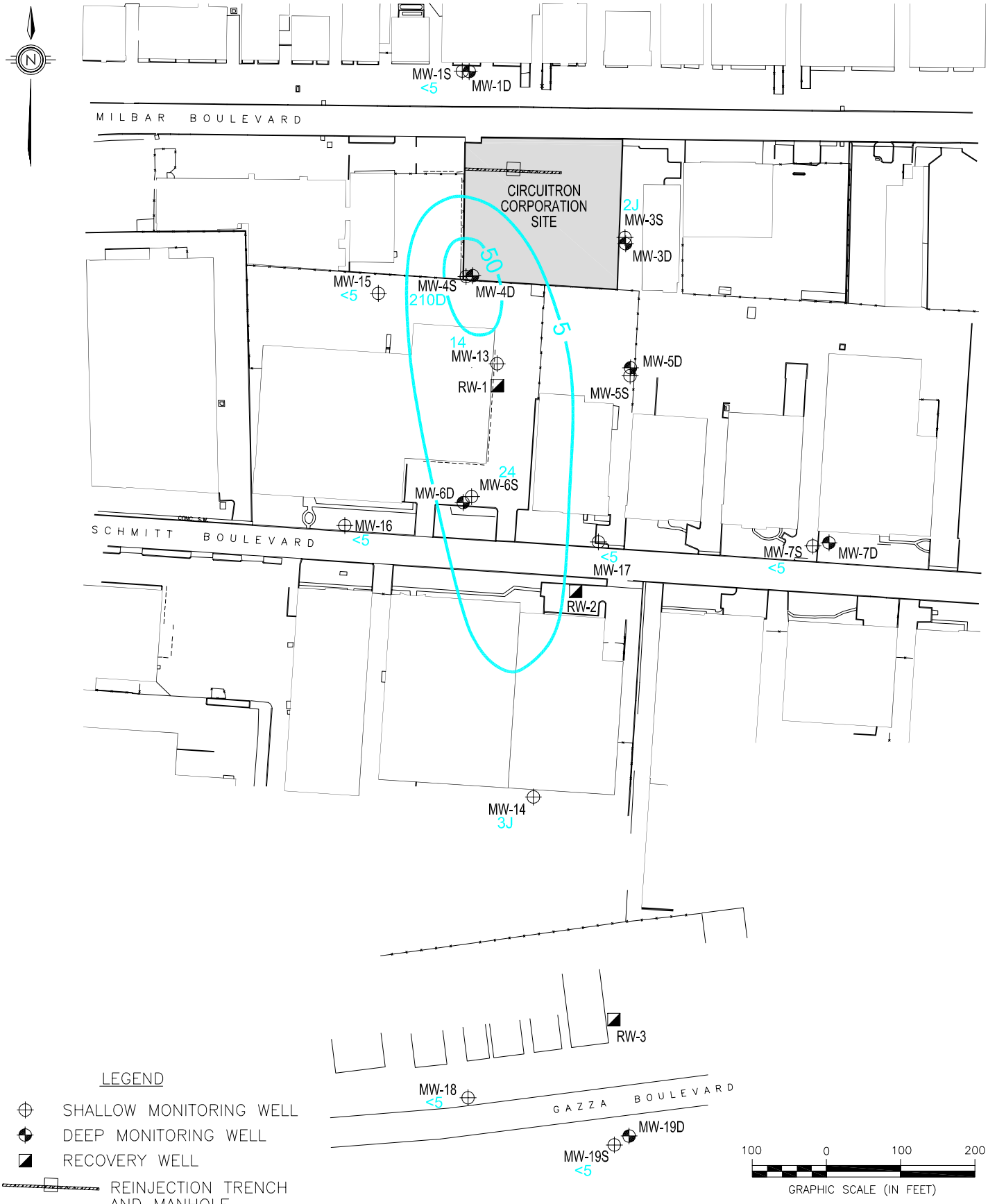
1,1,1 TCA April 2003

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-4c.DWG	DATE: 2-2-04	FIGURE #: **4-4c**



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 8 — 1,1,1 TRICHLOROETHANE (1,1,1 TCA) CONCENTRATION VALUE (ug/L)
- 1,1,1 TCA CONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

QUALIFERS:

- D RESULTS ARE REPORTED FOR THE DILUTED SAMPLES
- J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

1,1,1 TCA June 2004

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-4d.DWG	DATE: 8-20-04	FIGURE #: **4-4d**

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 8 — 1,1,1 TRICHLOROETHANE (1,1,1 TCA) CONCENTRATION VALUE (ug/L)
- 1,1,1 TCA CONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

QUALIFERS:

- D RESULTS ARE REPORTED FOR THE DILUTED SAMPLES
- J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

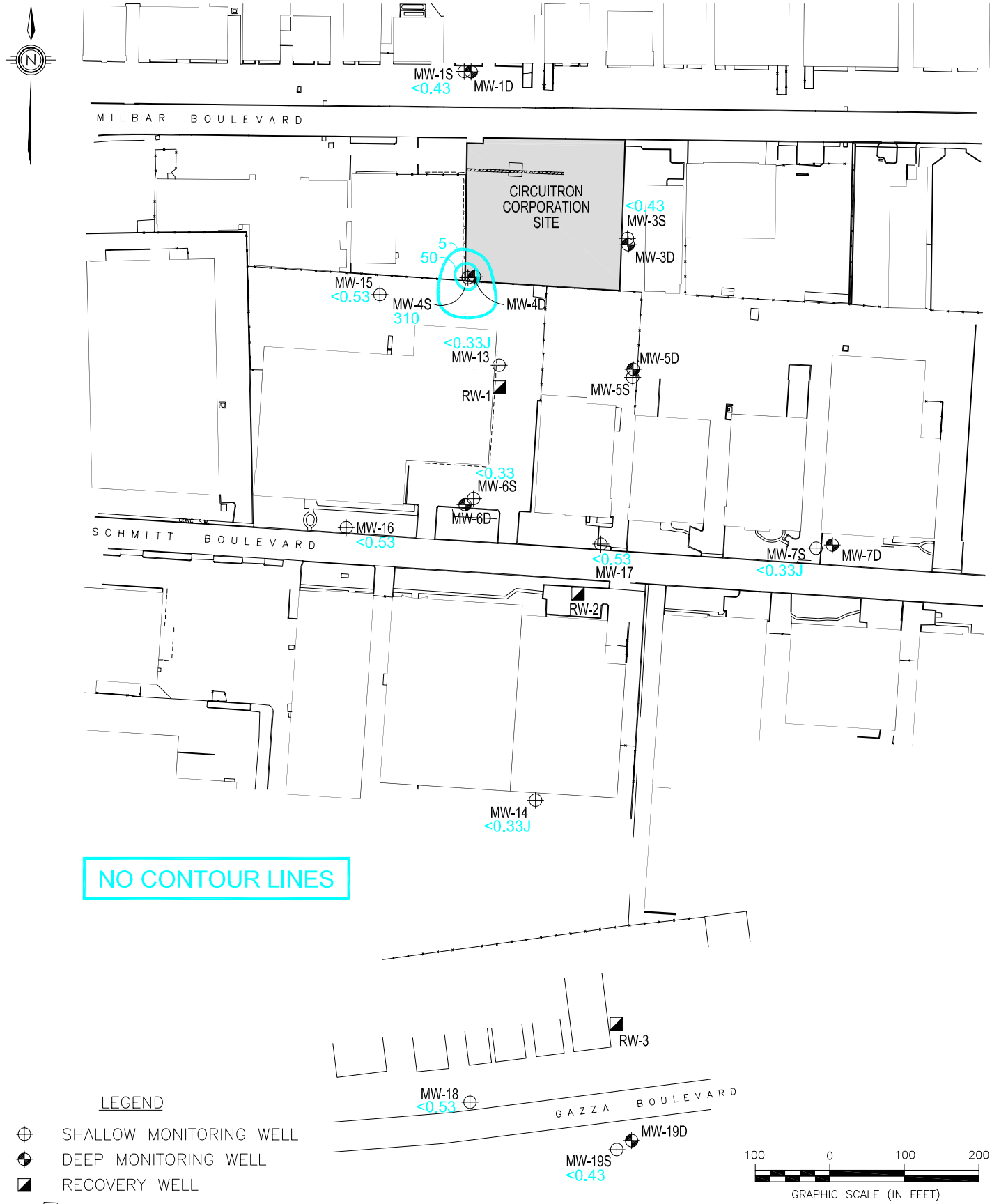
1,1,1 TCA June 2005

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-4e.DWG	DATE: 9-7-05	FIGURE #: **4-4e**



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 8 — 1,1,1 TRICHLOROETHANE (1,1,1 TCA) CONCENTRATION VALUE (ug/L)
- 1,1,1 TCA CONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

QUALIFERS:

J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

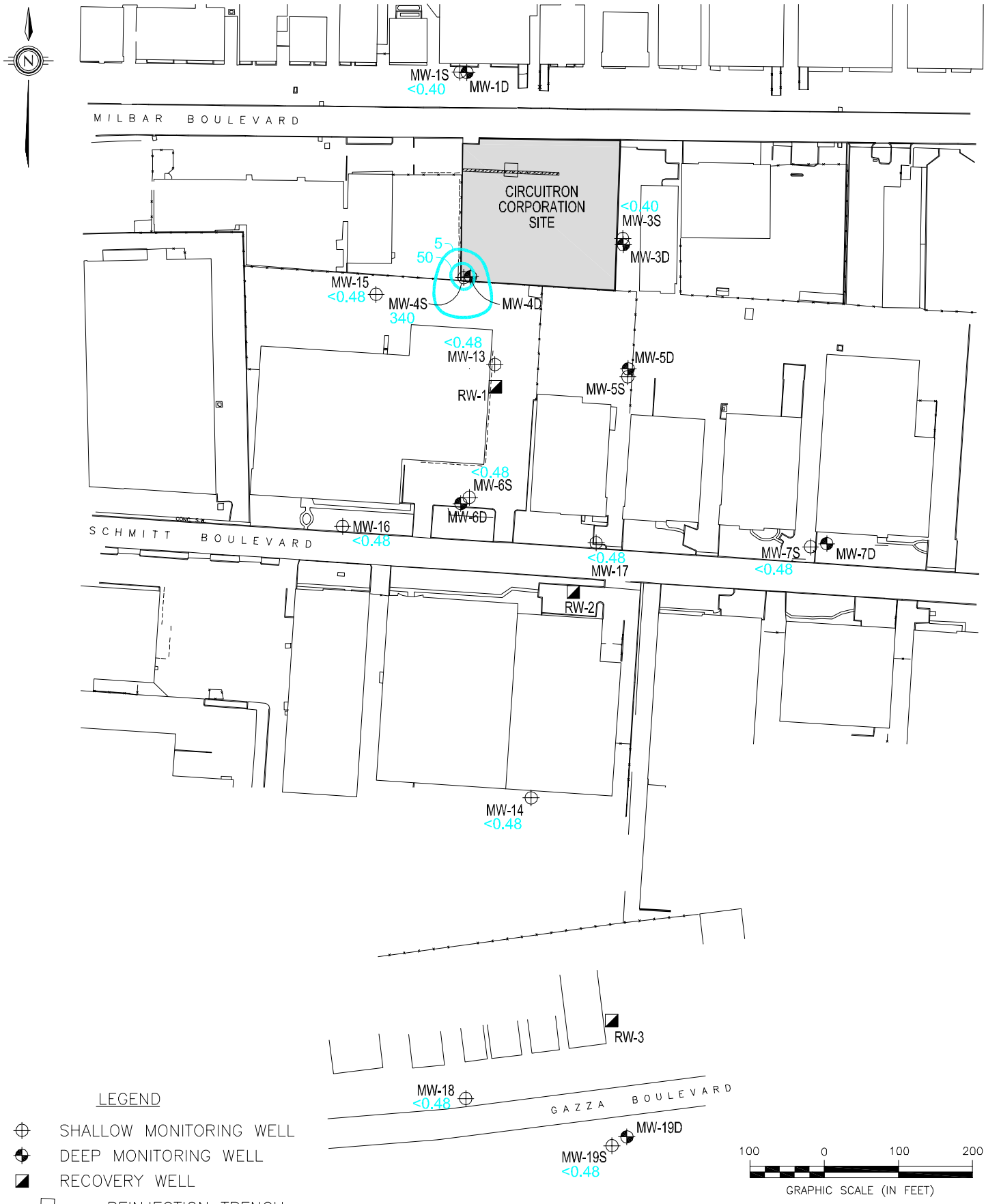
1,1,1 TCA July 2006

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-4f.DWG	DATE: 9-11-06	FIGURE #: 4-4f



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 8 — 1,1,1 TRICHLOROETHANE (1,1,1 TCA) CONCENTRATION VALUE (ug/L)
- 1,1,1 TCA CONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

QUALIFERS:

J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

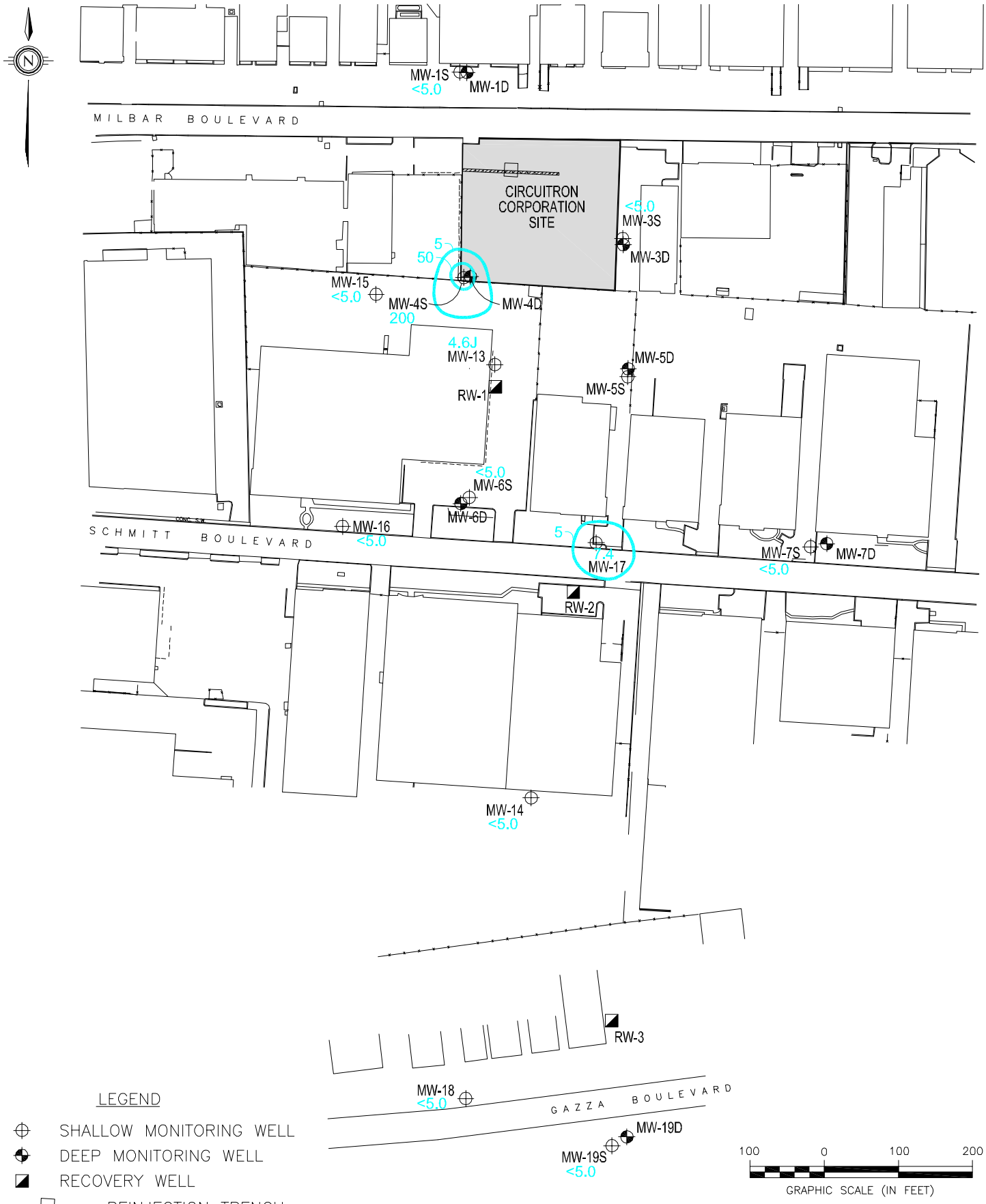
1,1,1 TCA August 2007

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-4g.DWG	DATE: 11-29-07	FIGURE #: 4-4g



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 7.4 1,1,1 TRICHLOROETHANE (1,1,1 TCA) CONCENTRATION VALUE (ug/L)
- 1,1,1 TCA CONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

QUALIFERS:

J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

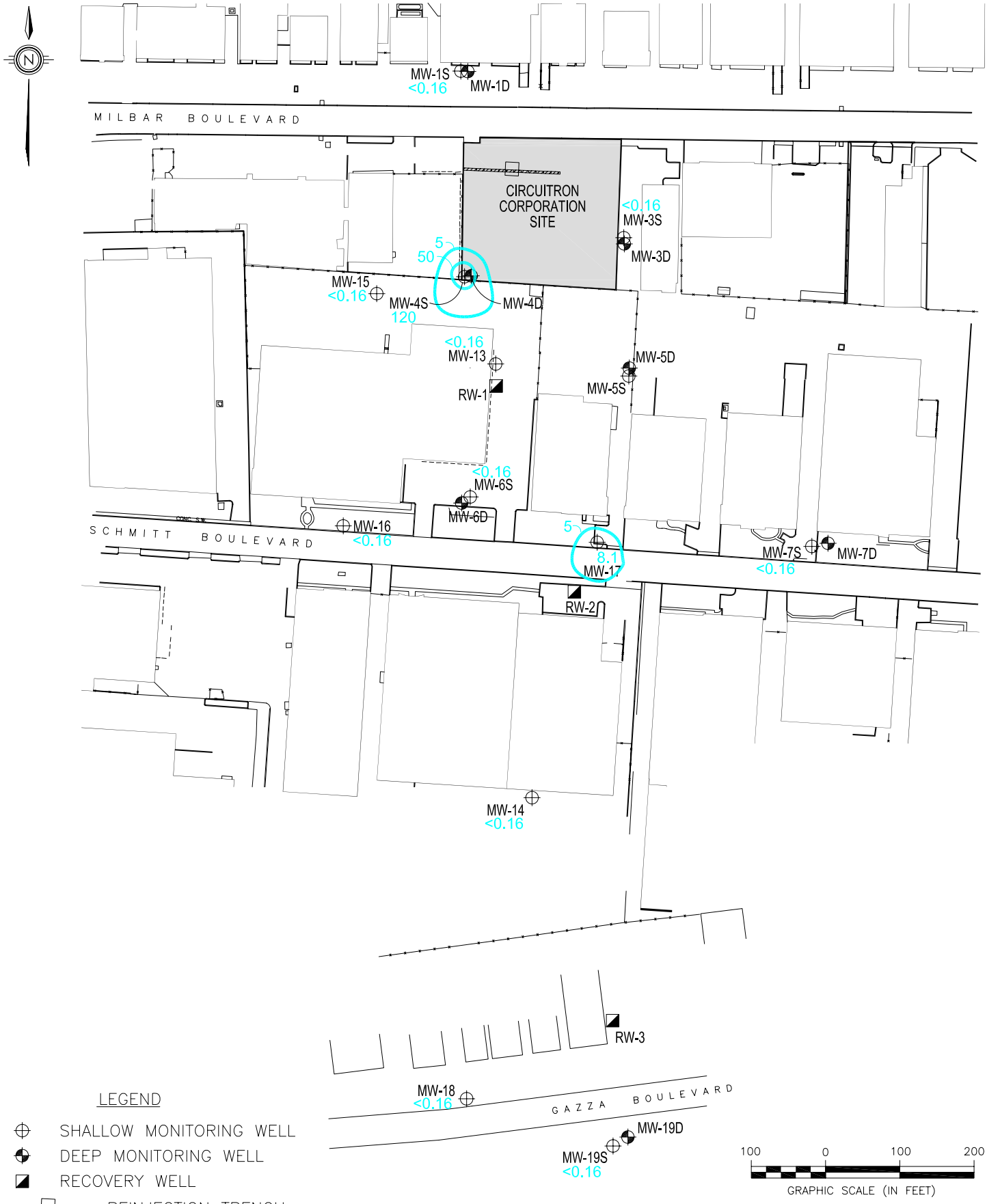
1,1,1 TCA July 2008

Isoconcentration Map (ug/L) Upper Glacial Aquifer

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-4h.DWG	DATE: 10-14-08	FIGURE #: 4-4h



LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- REINJECTION TRENCH AND MANHOLE
- 8 — 1,1,1 TRICHLOROETHANE (1,1,1 TCA) CONCENTRATION VALUE (ug/L)
- 1,1,1 TCA CONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

QUALIFERS:

J ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

1,1,1 TCA July 2009

Isoconcentration Map (ug/L) Upper Glacial Aquifer

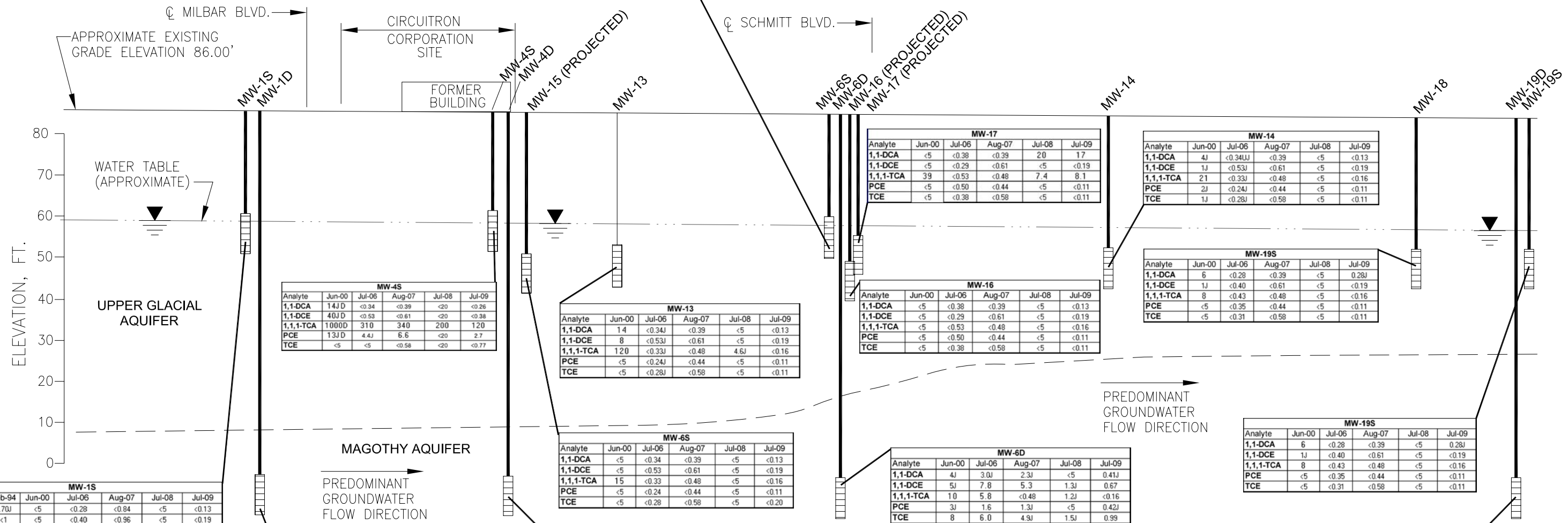
Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4-4i.DWG	DATE: 11-11-09	FIGURE #: 4-4i

NORTH

SOUTH



MW-1S

Analyte	Feb-94	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	0.70J	<5	<0.28	<0.84	<5	<0.13
1,1-DCE	<1	<5	<0.40	<0.96	<5	<0.19
1,1,1-TCA	0.40 J	<5	<0.43	<0.40	<5	<0.16
PCE	<1	<5	<0.35	<0.78	<5	0.74
TCE	<1	<5	<0.31	<0.37	<5	<0.11

MW-1D

Analyte	May-93	Feb-94	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	4J	6	5J	1.4J	<0.84	<5	<0.13
1,1-DCE	31J	24	9	4.8 J	1.5J	<5	2.0
1,1,1-TCA	84J	99	16	<0.43	<0.40	<5	1.0
PCE	38J	18	5J	<0.35	<0.78	<5	<0.11
TCE	76J	82	13	2.0J	1.6J	<5	1.4

MW-4S

Analyte	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	14J D	<0.34	<0.39	<20	<0.26
1,1-DCE	40J D	<0.53	<0.61	<20	<0.38
1,1,1-TCA	1000D	310	340	200	120
PCE	13J D	4.4J	6.6	<20	2.7
TCE	<5	<5	<0.58	<20	<0.77

MW-4D

Analyte	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	7	3.0 J	2.5J	3.0J	0.87
1,1-DCE	14	4.8 J	4.3J	1.6J	1.0
1,1,1-TCA	26	<0.33J	<0.48	<5	<0.16
PCE	8	<0.24J	<0.44	<5	0.49J
TCE	24	2.8 J	2.4J	1.2J	0.83

MW-13

Analyte	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	14	<0.34J	<0.39	<5	<0.13
1,1-DCE	8	<0.53J	<0.61	<5	<0.19
1,1,1-TCA	120	<0.33J	<0.48	4.6J	<0.16
PCE	<5	<0.24J	<0.44	<5	<0.11
TCE	<5	<0.28J	<0.58	<5	<0.11

MW-6S

Analyte	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	<5	<0.34	<0.39	<5	<0.13
1,1-DCE	<5	<0.53	<0.61	<5	<0.19
1,1,1-TCA	15	<0.33	<0.48	<5	<0.16
PCE	<5	<0.24	<0.44	<5	<0.11
TCE	<5	<0.28	<0.58	<5	<0.20

MW-6D

Analyte	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	4J	3.0J	2.3J	<5	0.41J
1,1-DCE	5J	7.8	5.3	1.3J	0.67
1,1,1-TCA	10	5.8	<0.48	1.2J	<0.16
PCE	3J	1.6	1.3J	<5	0.42J
TCE	8	6.0	4.9J	1.5J	0.99

MW-16

Analyte	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	<5	<0.38	<0.39	<5	<0.13
1,1-DCE	<5	<0.29	<0.61	<5	<0.19
1,1,1-TCA	<5	<0.53	<0.48	<5	<0.16
PCE	<5	<0.50	<0.44	<5	<0.11
TCE	<5	<0.38	<0.58	<5	<0.11

MW-17

Analyte	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	<5	<0.38	<0.39	20	17
1,1-DCE	<5	<0.29	<0.61	<5	<0.19
1,1,1-TCA	39	<0.53	<0.48	7.4	8.1
PCE	<5	<0.50	<0.44	<5	<0.11
TCE	<5	<0.38	<0.58	<5	<0.11

MW-14

Analyte	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	4J	<0.34UJ	<0.39	<5	<0.13
1,1-DCE	1J	<0.53J	<0.61	<5	<0.19
1,1,1-TCA	21	<0.33J	<0.48	<5	<0.16
PCE	2J	<0.24J	<0.44	<5	<0.11
TCE	1J	<0.28J	<0.58	<5	<0.11

MW-19S

Analyte	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	6	<0.28	<0.39	<5	0.28J
1,1-DCE	1J	<0.40	<0.61	<5	<0.19
1,1,1-TCA	8	<0.43	<0.48	<5	<0.16
PCE	<5	<0.35	<0.44	<5	<0.11
TCE	<5	<0.31	<0.58	<5	<0.11

MW-19D

Analyte	Jun-00	Jul-06	Aug-07	Jul-08	Jul-09
1,1-DCA	3J	3.3J	<0.39	4.0J	*3.7J
1,1-DCE	14	*100	<0.61	40	*29 J
1,1,1-TCA	23	*71	<0.48	32	*18
PCE	46	*17.5	<0.44	7.2	4.0
TCE	40	*27	<0.28	40	*33.5 J

LEGEND:

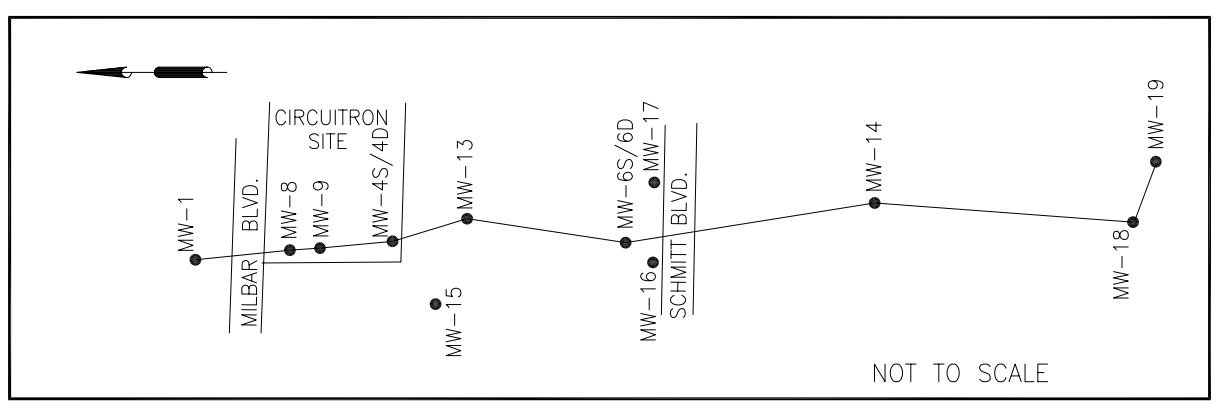
76J	**BOLDED** VALUES EXCEED ACTION LEVEL
— — —	UNCONFORMABLE GEOLOGIC FORMATION CONTACT
	MONITORING WELL SCREENED INTERVAL
1,1–DCE	1,1 DICHLOROETHENE (ug/L)
1,1,1–TCA	1,1,1 TRICHLOROETHANE (ug/L)
PCE	TETRACHLOROETHENE (ug/L)
TCE	TRICHLOROETHENE (ug/L)
J	ESTIMATED CONCENTRATION
<	NOT DETECTED IN EXCESS OF STATED METHOD DETECTION LIMIT

NOTES:

* VALUES MARKED WITH ASTERISK ARE THE ARITHMETIC MEAN OF NORMAL AND DUPLICATE SAMPLES

FOR JUNE 2004, DIFFUSION BAG SAMPLING WAS PERFORMED: T–TOPMOST BAG; B–BOTTOM BAG

FOR MW–4S IN JUNE 2004, DIFFUSION BAG (DB) & LOW FLOW (LF) SAMPLES WERE COLLECTED AS PER USEPA'S REQUEST.



CROSS SECTION KEY MAP

NOTE: NOT TO SCALE

Cross-section

Circuitron Corporation Superfund Site
East Farmingdale, New York

URS

FILENAME: FIG 4–5.DWG | DATE: 11–11–09 | FIGURE #: **4-5**

5.0 SUMMARY AND CONCLUSIONS

This section presents a summary of the findings and conclusions for the 2009 Annual Performance Monitoring Report.

5.1 GROUNDWATER FLOW

The groundwater flow pattern for the upper portion of the Upper Glacial Aquifer has changed during the Performance Monitoring Period due to changes / modifications to the remediation system operation. Shallow groundwater contamination located within the zone of capture is being directed to the remediation system for treatment. The groundwater flow paths from August 2002, March 2004, June 2005, June 2006, July 2007, July 2008 (estimated) and July 2009 (estimated) also indicate that the observed zone of capture during that period extends beyond the modeled capture zone to include well MW-16.

5.2 GROUNDWATER QUALITY

Monitoring well MW-1S is located upgradient of the site with respect to groundwater flow direction and is the background well for the shallow portion of the Upper Glacial Aquifer in the site. Comparison of the results from each shallow well located downgradient of well MW-1S provides a benchmark to determine if the concentrations detected in the downgradient wells are site-related. A compound is considered site-related if it is observed as an exceedance in groundwater from a site well and not observed as an exceedance in groundwater obtained from the upgradient well prior to remediation system startup (February 1994 and June 2000 sampling events).

Monitoring well MW-1D is located upgradient of the site and is screened within the deep portion of the Upper Glacial Aquifer. Comparison of the results from each deep well located downgradient of well MW-1D provides a benchmark to determine if the concentrations detected in the downgradient deep wells are site-related. A compound is considered site-related if it is observed as an exceedance in groundwater from a site well and not observed as an exceedance in groundwater obtained from the upgradient well prior to remediation system startup (May 1993, February 1994 and June 2000 sampling events). The May 1993 data were also used along with the February 1994 data in this comparison because of the lead that exceeded the action level during that sampling event. A compound is not considered site-related in groundwater from the deep aquifer unless it is determined to be site-related in shallow groundwater.

5.2.1 Shallow Wells - VOCs

VOCs present in the groundwater from the shallow portion of the Upper Glacial Aquifer within this area appear to be captured by the remediation system. Evidence for this is:

a) The levels of 1,1,1-TCA and 1,1-DCA present in January/February 2002, June 2004, June 2005, July 2006, August 2007, July 2008 and July 2009 are considerably less than the levels present in June 2000.

b) Both 1,1-DCA and 1,1,1-TCA were observed as an exceedance in groundwater from downgradient well MW-19S sampled prior to remediation system start-up (June 2000) and once again in April 2003 at a concentration just above the detection limit for 1,1,1-TCA of 5 µg/L. Other than this single exceedance in April 2003, these compounds were not detected as exceedances in groundwater sampled from this well during sampling events after the startup of the remediation system.

c) As of July 2009, the only shallow wells which exhibited levels of VOCs exceeding 5 µg/l are wells MW-4S and MW-17. Exceedances of 1,1,1-TCA and 1,1-DCA were found in the groundwater from well MW-17 at levels exceeding 5 µg/l in both 2008 and 2009 and are believed to be attributed to the mothballing of the extraction system operation. Only 1,1,1-TCA has been detected in groundwater as exceedances from well MW-4S since 2008.

d) The above indicates the success of the remediation system at capturing VOCs in the shallow aquifer.

5.2.2 Deep Wells - VOCs

Exceedances of 1,1-DCE, 1,1,1-TCA, PCE, and TCE were observed in groundwater from upgradient well MW-1D, sampled prior to start-up of the remediation system, indicating that these compounds are not site-related. VOCs were consistently detected in MW-1D at decreasing concentrations and there has been no exceedance since July 2006. The same compounds have had multiple exceedances in groundwater from downgradient well MW-19D. These results suggest that these chemicals are no longer being released into the deep aquifer upgradient of the site and their attenuation and degradation continue as the non-site related deep groundwater plume migrates across the site.

In addition, multiple exceedances of 1,2-DCE were observed in groundwater from downgradient well MW-19D through July 2006. The presence of 1,2-DCE will not be considered site-related because this compound is a breakdown product of PCE or TCE due to naturally occurring biodegradation. Neither PCE nor TCE were shown as site-related.

The level of 1,1-DCA in groundwater from MW-7D has been less than 5 µg/l since July 2002. Historically, 1,1-DCA was observed as a multiple exceedance in groundwater from MW-7D; however, 1,1-DCA will not be considered site-related because this compound is a naturally occurring biodegradation product of 1,1,1-TCA (parent product), which was determined to be non site-related.

5.2.1 Water Quality Trends Versus Time

Generally, concentrations of VOCs detected in groundwater from both shallow and deep wells are believed to be slightly decreasing or stable over the Performance Monitoring Period. Time-series graphs for shallow and deep wells show fluctuations in some wells, especially in Year 2008, and otherwise a general decrease in other wells over the Performance Monitoring Period. The increases in 2008 on the time-series graphs are attributable to the relatively higher method detection limits achieved during the July 2008 sampling event. Considering the effect of the high detection limits, the overall trend continues as slightly decreasing or stable as demonstrated by the results from the 2009 sampling event.

6.0 RECOMMENDATIONS

Continued operation of the remediation system under the current pumping conditions and performance monitoring is recommended for the Circuitron Corporation Superfund Site as the ongoing remediation system operations and associated performance monitoring indicate a decrease in the levels of VOCs in the shallow groundwater at the site. It is however noted that the infrequent operation of the remediation system since August 2007 may have resulted in the detection of VOCs in MW-17 for the first time in several years. At this time, USEPA is conducting a pilot study at MW-4S to locally treat the contaminants at that well. During the pilot test period, the GWTS is being operated four to six hours every two weeks. Additionally, a water jetting treatment on the existing reinjection trench is recommended to improve the drainage in the trench during periods of operation.

7.0 REFERENCES

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Appendix A-1
Total VOC Concentrations

Appendix A-1
Total VOC Concentrations

Well Type	Monitoring Well	Jun 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	Jul - Aug 2001	Oct 2001	Jan - Feb 2002	Jul - Aug 2002	Apr-03	Jun-04	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
Shallow	MW-1S	16		5		56	4	8		5						0.74
Shallow	MW-3S	20	13	5	7	8	8	6	*4	4	2	2				1.8
Shallow	MW-4S	1155	915	720	279	93	328	347		219	**239	*89	314.4	346.6	200	122.7
Shallow	MW-6S	15	374	119	89	*112	107	64		19	**25	16				
Shallow	MW-7S		*2	*2			11					1				
Shallow	MW-13	154	397	124	47	41	31	35	*14	34	**10			11.5	4.6	
Shallow	MW-14	30	10	17	13	14	15	21	1	6	**3		1.3	1.3		
Shallow	MW-15	68	*1	*35	29		5	*2								0.20
Shallow	MW-16				*		1	3								
Shallow	MW-17	44	71	37	11	14	32	26	8	4					27.4	25.1
Shallow	MW-18			13	13	*	10					5				
Shallow	MW-19S	17	34	21	14	13	16	5	5	10						1.18
Deep	MW-1D	61	52	45	*41	7	*53	57	45	27	**26	24	8.2	3.1		4.65
Deep	MW-3D	5	2	7	4	5	5	8	1	1			1.0			
Deep	MW-4D	*94	57	49	50	41	38	43	37	*23	**34	10	10.6	9.2	5.8	3.68
Deep	MW-5D	*10	30	4	7	4	8									
Deep	MW-6D	30	24	35	14	20	31	17	37	25	**28	20	25.3	14.8	4	2.95
Deep	MW-7D	30	35	29	36	23	32	*28	19	*8.5	**3					1.37
Deep	MW-19D	133	139	136	158	176	*180	214	199	146	**111	*130	*231		*130.8	*89.4

Note:

VOC: Volatile Organic Compound

All concentrations in ug/L

Blank cells indicate no VOCs detected

* Values marked with an asterisk are the arithmetic mean of normal and duplicate samples

** Values marked with two asterisks are the arithmetic mean of multiple diffusive bag samples. For MW-4S and MW-19D, values are the arithmetic mean of bag samples, duplicates, and low flow samples.

Appendix A-2
Groundwater Sampling Results by Well

Groundwater Sampling Analytical Results for
MW-1D

Analyte	NY Water Quality Criteria	May 1993*	Feb 1994*	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	Apr - May 2001 Duplicate	July - Aug 2001	Oct 2001	Oct 2001 Duplicate	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	4.00 J	**6.00**	5 J	5 J	4 J	4 J	4 J	< 5	4 J	4 J	4 J	4 J	3J	3J	3J	3J	1.4J	<0.84	<5.0	<0.13
1,1 Dichloroethene	5	**31.00 J**	**24.00**	**9**	**10**	**7**	**8**	**8**	< 5	**10**	**10**	**11**	**10**	**7**	**7**	**7**	**7**	4.8J	1.5J	<5.0	2.0
1,1,1 Trichloroethane	5	**84.00 J**	**99.00**	**16**	**14**	**13**	**13**	**13**	<5	**16**	**17**	**14**	**12**	**8**	**7**	**7**	**8**	<0.43	<0.40	<5.0	1.0
1,2 Dichloroethene (total)	5	4.00 J	4.00	1 J	2 J	<5	1 J	1 J	<5	1 J	1 J	1 J	2 J	1J	2J	1J	<5	<0.44	<0.84	<5.0	<0.24
Acetone	NP	5.00 R	5.00 R	8 JB	<10	3 JB	<10	<10	<10	<10	<10	<10	<10	<10	<10UJ	<10UJ	<10UJ	<16U	<8.7	<61 U	<3.8 U
Chloroform	7	3.00 UJ	1.00 U	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.24	<0.53	<5.0	0.25 J
Methylene Chloride	5	2.00 R	2.00 U	4 JB	<5	4 JB	<5	<5	**7 J**	5 B	5 JB	**10 B**	<5	<5J	<4U	<4U	<5	<0.91	<1.7	<5.0	<0.24 U
Tetrachloroethene	5	**38.00 J**	**18.00**	5 J	**6**	4 J	5	5	<5	5	**6**	**6**	5	3J	2J	1J	1J	<0.35	<0.78	<5.0	<0.11
Toluene	5	1.00 UJ	1.00 U	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.31	<0.41	<5.0	<0.18
Trichloroethene	5	**76.00 J**	**82.00**	**13**	**15**	**10**	**10**	**10**	<5	**11**	**11**	**11**	**12**	5J	5	5	5	2.0J	1.6J	<5.0	1.4
Turbidity	5	NR	NR	**35.5**	NR	**580**	0	0	0.0	NR	NR	**34.7**	0	**12**	NR	NR	NR	NR	NR	NR	NR
Antimony	3	17.90U	28.30 UJ	<2.2	NR	<2.3	NR	NR	<1.9	NR	NR	<1.9	<2.2	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	2.30 U	1.30 UJ	<3.2	NR	<2.4	NR	NR	<2.3	NR	NR	<3.0	<2.5	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	0.50 U	0.20 U	0.14	NR	0.14 J	NR	NR	<0.20	NR	NR	<0.10	0.24U	<0.10	NR	NR	NR	NR	NR	NR	NR
Chromium	50	31.40	36.20	**567**	NR	**255 J**	NR	NR	34.9	NR	NR	**55.7**	**153**	**145**	NR	NR	NR	NR	NR	NR	NR
Copper	200	16.50 B	9.00 B	16.6	NR	13.4	NR	NR	5.9	NR	NR	7.2	4.9	7	NR	NR	NR	NR	NR	NR	NR
Iron	300	**659**	**621**	**3020**	NR	**1110**	NR	NR	**302**	NR	NR	**456**	**1170**	**637**	NR	NR	NR	NR	NR	NR	NR
Lead	15	**16.4**	5.30 J	7.6 UJ	NR	<2.1	NR	NR	<2.6	NR	NR	4.0	2.2U	<2.6	NR	NR	NR	NR	NR	NR	NR
Manganese	300	31.20	60.10	211	NR	177	NR	NR	138	NR	NR	149	160	164	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	0.10 UJ	0.20 U	<0.10	NR	<0.10	NR	NR	<0.10	NR	NR	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR	NR
Nickel	100	10.60 B	10.80 U	52	NR	88.2	NR	NR	16.0	NR	NR	10.8	38.3	17	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: -3.00 feet																					
Groundwater Elevation (feet):				59.44	58.54	57.44	59.80	59.80	58.24	56.54	56.54	54.74	53.04	56.34	58.47	58.47	60.19	62.14	62.49	61.05	62.31
Bottom of Screen Elevation: -13.00 feet																					

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity uni
Elevations referenced to mean sea leve
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's reques
Diffusion bags were placed with the center at 1 ft above the bottom of the well
NS: Not sampled
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999)
NP: No proposed quantification level availabl
NR: Not required
Bolded values exceed the NY Water Quality Criteria
*Data presented from May 1993 and February 1994 is published in the Record of Decision (USEPA 1994). These data provide a benchmark of pre-remediation conditions for the upgradient wel
Data Qualifiers:
B: The analyte was detected in the blank sampl
J: Associated value is an estimated quantity
U: Compound was not detected above the associated lev
UJ: Compound is not detected and the associated quantitation limit is uncertai
R: Rejected during data validatio

Groundwater Sampling Results for
MW-1S

Analyte	NY Water Quality Criteria	Feb 1994*	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	0.70 J	<5	<5	<5	<5	5 J	<5	<5	<5	<5	<5	<5	<0.28	<0.84	<5.0	<0.13
1,1 Dichloroethene	5	1.00 U	<5	<5	<5	<5	**10**	<5	<5	<5	<5	<5	<5	<0.40	<0.96	<5.0	<0.19
1,1,1 Trichloroethane	5	0.40 J	<5	<5	<5	<5	**15**	<5	<5	<5	<5	<5	<5	<0.43	<0.40	<5.0	<0.16
1,2 Dichloroethene (total)	5	1.00 U	<5	<5	<5	<5	2 J	<5	<5	<5	<5	<5	<5	<0.44	<0.84	<5.0	<0.24
Acetone	NP	3.00 J	11 B	<10	3 JB	<10	<10	<10	<10	<10	5J	<7UJ	<10UJ	<16U	<8.7	< 61 U	<3.7 U
Chloroform	7	1.00 U	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.24	<0.53	<5.0	<0.12
Methylene Chloride	5	2.00 U	5 B	<5	2 JB	<5	4 J	4 JB	**8 B**	<5	<5	<3U	<5	<0.91	<1.7	<5.0	<0.20 UJ
Tetrachloroethene	5	1.00 U	<5	<5	<5	<5	**8**	<5	<5	<5	<5	<5	<5	<0.35	<0.78	<5.0	0.74
Toluene	5	1.00 U	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.31	<0.41	<5.0	<0.18
Trichloroethene	5	1.00 U	<5	<5	<5	<5	**12**	<5	<5	<5	<5	<5	<5	<0.31	<0.37	<5.0	<0.11
Turbidity	5	NR	**229**	NR	**27**	0	0.1	NR	**33.1**	0	**83**	NR	NR	NR	NR	NR	NR
Antimony	3	28.30 U	<2.2	NR	<2.3	NR	2.2 J	NR	<1.9	<2.2	<2.5	NR	NR	NR	NR	NR	NR
Arsenic	25	R	12.1	NR	18.5	NR	8.2	NR	6.0	11.1	<3.5	NR	NR	NR	NR	NR	NR
Beryllium	3	0.20 U	<0.10	NR	0.37 J	NR	<0.20	NR	<0.10	0.22U	<0.66U	NR	NR	NR	NR	NR	NR
Chromium	50	7.70 B	2.2	NR	2.2 J	NR	1.2	NR	3.3	3.1U	12.4	NR	NR	NR	NR	NR	NR
Copper	200	17.80 B	7.3	NR	1.9	NR	1.3	NR	3.3	<0.30	8.6	NR	NR	NR	NR	NR	NR
Iron	300	**52600.00**	**19400**	NR	**31200**	NR	**22000**	NR	**20000**	**24300**	**8990**	NR	NR	**15000**	NR	NR	NR
Lead	15	2.90 BJ	<2.3 UJ	NR	<2.1	NR	<2.6	NR	2.5	<1.7	<2.6	NR	NR	NR	NR	NR	NR
Manganese	300	**714.00**	**393**	NR	**559**	NR	**429**	NR	**366**	**403**	289	NR	NR	NR	NR	NR	NR
Mercury	0.7	0.20 U	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
Nickel	100	10.80 U	2.2	NR	2.2	NR	<1.2	NR	3.0	4.1U	7.8	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: 62.04 feet																	
Groundwater Elevation (feet):			59.52	58.62	57.42	59.82	60.72	56.61	51.92	53.02	56.32	58.49	60.22	62.17	62.51	61.19	62.37
Bottom of Screen Elevation: 52.04 feet																	

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity
Elevations referenced to mean sea lev
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's requ
Diffusion bags were placed with the center at 1 ft above the bottom of the w
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*Data presented from May 1993 and February 1994 is published in the Record of Decision (USEPA 1994). These data provide a benchmark of pre-remediation conditions for the upgradient
Data Qualifiers
B: The analyte was detected in the blank samp
J: Associated value is an estimated quanti
U: Compound was not detected above the associated le
UJ: Compound is not detected and the associated quantitation limit is uncert
R: Rejected during data validatio

Groundwater Sampling Analytical Results for
MW-3D

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5	<5	<5	<5	<0.34	<0.84	<5.0	<0.13
1,1 Dichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5	<5	<5	<5	<0.53	<0.96	<5.0	<0.19
1,1,1 Trichloroethane	5	<5	1 J	1 J	<5	<5	1 J	1 J	1 J	1J	<5	<5	<5	<0.33	<0.40	<5.0	<0.16
1,1,2 Trichloroethane	1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.25	<0.40	<5.0	<0.11
1,2 Dichloroethene (total)	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5	<5	<5	<5	<0.40	<0.84	<5.0	<0.24
Acetone	NP	<10	<10	2 JB	4 J	<10	<10	<10	<10	<10	<10UJ	<10UJ	<10UJ	<2.7U	<8.7	<67 U	<3.4 U
Chloroform	7	<5	1 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.42	<0.53	<5.0	<0.12
Chloromethane	NP	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.51	<0.64	<5.0	<0.20
Methylene Chloride	5	5 JB	<5	4 JB	<5	5 J	4 JB	**7**	<5J	<5	<3U	<3U	<5	<1.2U	<1.7	<5.0	<0.091 UJ
Tetrachloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5	<5	<5	<5	<0.24	<0.78	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5	<5	<5	<5	1.0	<0.41	<5.0	<0.18
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5	<5	<5	<5	<0.28	<0.37	<5.0	<0.11
Turbidity	5	**23.3**	NR	2	**21**	0.0	NR	**114**	4.2	4	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	2.1 J	NR	<1.9	2.5U	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	<3.2	NR	<2.4	NR	<2.3	NR	<3.0	3.6U	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	<0.10	NR	0.15 J	NR	<0.20	NR	<0.10	<0.10	<0.49U	NR	NR	NR	NR	NR	NR	NR
Chromium	50	**86.1**	NR	7.1 J	NR	2.3	NR	**212**	**50.9**	49.7	NR	NR	NR	NR	NR	NR	NR
Copper	200	10.3	NR	3.9	NR	3.2	NR	17.9	14.9	8.5	NR	NR	NR	NR	NR	NR	NR
Iron	300	**600**	NR	176	NR	105	NR	**962**	**1080**	**793**	NR	NR	NR	NR	NR	NR	NR
Lead	15	7.9 J	NR	3.9	NR	<2.6	NR	11.0	10.6	6.7	NR	NR	NR	NR	NR	NR	NR
Manganese	300	144	NR	**418**	NR	269	NR	197	206	276	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR	NR
Nickel	100	58.1	NR	12.6	NR	8.2	NR	32.8	23.0	30.9	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: -1.65 feet																	
Groundwater Elevation (feet):		59.07	57.97	56.92	59.32	57.77	56.07	54.15	52.57	56.07	57.70	57.70	59.82	-0.73	62.02	60.63	61.86
Bottom of Screen Elevation: -11.65 feet																	

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity u
Elevations referenced to mean sea lev
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's requ
Diffusion bags were placed with the center at 1 ft above the bottom of the w
NS: Not sampled
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 199
NP: No proposed quantification level availab
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Bolded values exceed the NY Water Quality Criter
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Data Qualifiers:
B: The analyte was detected in the blank samp
J: Associated value is an estimated quantit
U: Compound was not detected above the associated lev
UJ: Compound is not detected and the associated quantitation limit is uncerta
R: Rejected during data validatio

Groundwater Sampling Analytical Results for
MW-3S

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	July - Aug 2002 Duplicate	Apr-03	Jun-04	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5J	<5	<5	<5	<0.28	<0.84	<5.0	<0.13
1,1 Dichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5J	<5	<5	<5	<0.40	<0.96	<5.0	<0.19
1,1,1 Trichloroethane	5	4 J	**10**	5	**7**	4 J	3 J	3 J	5 J	4 J	4J	2J	2J	<0.43	<0.40	<5.0	<0.16
1,1,2 Trichloroethane	1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.25	<0.40	<5.0	<0.11
1,2 Dichloroethene (total)	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5J	<5	<5	<5	<0.44	<0.84	<5.0	<0.24
Acetone	NP	11 B	3 JB	<10	<10	<10	<10	<10	<10	<10	<10	<10UJ	<10UJ	<2.5U	<8.7	< 69 U	<3.5 U
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.24	<0.53	<5.0	1.8
Chloromethane	NP	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.64	<0.64	<5.0	<0.20
Methylene Chloride	5	5 B	<5	<5	<5	4 J	5 JB	3 J	<5J	<5J	<5	<3U	<5	<0.91	<1.7	<5.0	<0.25 U
Tetrachloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5J	<5	<5	<5	<0.35	<0.78	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5J	<5	<5	<5	<0.31	<0.41	<5.0	<0.18
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5J	<5J	<5	<5	<5	<0.31	<0.37	<5.0	<0.11
Turbidity	5	**57.4**	NR	**47**	4	0.0	NR	**13.3**	**10.1**	**10.1**	**30**	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	<1.9	NR	<1.9	3.1U	<2.2	<2.5	NR	NR	NR	NR	NR	NR
Arsenic	25	3.4	NR	<3.4	NR	<2.3	NR	<3.0	<2.5	<2.5	<3.5	NR	NR	NR	NR	NR	NR
Beryllium	3	0.15	NR	<0.10	NR	<0.20	NR	<0.10	0.14U	0.22U	<0.42U	NR	NR	NR	NR	NR	NR
Chromium	50	10.5	NR	11.7 J	NR	1.6	NR	9.7	16.2	27.2	14.5	NR	NR	NR	NR	NR	NR
Copper	200	68.6	NR	34.2	NR	10.6	NR	28.0	26.4	27.0	29.1J	NR	NR	NR	NR	NR	NR
Iron	300	**4460**	NR	**3160**	NR	**885**	NR	**1290**	**2140**	**2400**	**1810**	NR	NR	NR	NR	NR	NR
Lead	15	11.6 J	NR	<2.1	NR	<2.6	NR	<2.2	5.0	6.0	4.9	NR	NR	NR	NR	NR	NR
Manganese	300	56.8	NR	100	NR	36.7	NR	33.7	31.4	79.9	24	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	<0.10	0.27	<0.10	NR	NR	NR	NR	NR	NR
Nickel	100	12.4	NR	19.4	NR	4.4	NR	10.6	24.4	23.0	11.6	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: 60.53 feet Groundwater Elevation (feet): Bottom of Screen Elevation: 50.53 feet		59.15	57.45	57.22	59.34	58.25	56.10	54.35	52.85	52.85	55.65	58.10	59.80	61.70	62.00	60.60	61.85

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity u
Elevations referenced to mean sea leve
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's reque
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Groundwater Sampling Analytical Results for
MW-4D

Analyte	NY Water Quality Criteria	June 2000	June 2000 Duplicate	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	April 2003 Duplicate	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	**7**	**8**	5	4 J	2 J	4 J	3 J	4 J	4 J	3J	3J	3J	4J	2J	3.0J	2.5J	3.0J	0.87
1,1 Dichloroethene	5	**14**	**15**	**8**	**6**	**6**	**8**	**6**	**8**	**9J**	5J	5	**8**	**9**	3J	4.8J	4.3J	1.6J	1.0
1,1,1 Trichloroethane	5	**26**	**28**	**20**	**13**	**23**	**11**	**12**	**12**	**13J**	**8**	**8**	**8**	**10**	2J	<0.33UJ	<0.48	<5.0	<0.16
1,2 Dichloroethene (total)	5	2 J	2 J	1 J	1 J	<5	2 J	1 J	<5	1 J	<5	<5	1J	2J	<5	<0.40UJ	<0.83	<5.0	0.49 J
Acetone	NP	7 JB	8 JB	<10	3 JB	6 J	<10	<10	<10	<10	<10	<10	<10UJ	<10UJ	<10UJ	<2.7UJ	R	< 68 U	<3.1 U
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.42UJ	<0.35	<5.0	<0.12
Chloromethane	NP	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.51UJ	<0.46	<5.0	<0.20
Methylene Chloride	5	3 JB	4 JB	<5	**7 JB**	<5	<5	4 JB	**6**	<5J	<5J	<5J	<4U	<3U	<5	<1.6UJ	<3.0U	<5.0	<0.13 UJ
Tetrachloroethene	5	**8**	**8**	**6**	4 J	<5	5 J	3 J	3 J	2 J	2J	2J	2J	2J	<5	<0.24UJ	<0.44	<5.0	0.49 J
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5J	<5	<5	<5	<5	<5	<0.18UJ	<0.58	<5.0	<0.20
Trichloroethene	5	**24**	**25**	**17**	**11**	3 J	**11**	**9**	**10**	**8J**	5J	5	**6**	**7**	3J	2.8J	2.4J	1.2J	0.83
Turbidity	5	**11.8**	**11.8**	NR	0	**18**	0.0	NR	3.6	0.8	**6**	**6**	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	<2.2	NR	<2.3	NR	<1.9	NR	<1.9	2.4U	<2.5	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	<3.2	<3.2	NR	<2.4	NR	<2.3	NR	<3.0	<2.5	<3.5	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	0.1	<0.10	NR	0.24	NR	<0.20	NR	<0.10	0.25U	<0.10	<0.10	NR	NR	NR	NR	NR	NR	NR
Chromium	50	4.1	4.7	NR	6.6	NR	1.4	NR	7.9	19.9	24.5	18.4	NR	NR	NR	NR	NR	NR	NR
Copper	200	3.9	5.3	NR	5.5	NR	3.1	NR	6.8	6.4	5.9	4.6	NR	NR	NR	NR	NR	NR	NR
Iron	300	**1190**	**1510**	NR	**827**	NR	**1080**	NR	**333**	**429**	**393**	268	NR	NR	NR	NR	NR	NR	NR
Lead	15	6.2	3.4	NR	2.4	NR	<2.6	NR	<2.2	2.7U	<2.6	<2.6	NR	NR	NR	NR	NR	NR	NR
Manganese	300	118	120	NR	96.5	NR	137	NR	120	116	29.9	27.5	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR	NR
Nickel	100	12	11	NR	7.3	NR	5.6	NR	10.9	11.8	16.2	14.8	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: -3.00 feet																			
Groundwater Elevation (feet):		58.99	58.99	58.29	57.24	59.45	57.19	56.19	54.39	52.99	56.09	56.09	58.08	58.08	59.79	61.69	62.04	60.70	61.98
Bottom of Screen Elevation: -13.00 feet																			

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity uni
Elevations referenced to mean sea leve
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's reques
Diffusion bags were placed with the center at 1 ft above the bottom of the well
NS: Not sampled
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999
NP: No proposed quantification level available
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Bolded values exceed the NY Water Quality Criteria
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Data Qualifiers:
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U: Compound was not detected above the associated leve
UJ: Compound is not detected and the associated quantitation limit is uncertain
R: Rejected during data validation

Groundwater Sampling Analytical Results for
MW-4S

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04	Jun-04 (duplicate)	Jun-04 (Low Flow)	Jun-05	Jun-05 (duplicate)	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	**14 JD**	**14 JD**	**7 JD**	**7 JD**	2 J	2 JD	4 JD	NS	2J	<5	<5	<5	<5	<5	<0.34	<0.39	<20	<0.26
1,1 Dichloroethene	5	**40 JD**	**22 JD**	<5	<5	<5	3 JD	5 JD	NS	<5	4J	4J	5	1J	<5	<0.53	<0.61	<20	<0.38
1,1,1 Trichloroethane	5	**1000 D**	**860 D**	**630D**	**260 D**	**80**	**280 D**	**320 D**	NS	**190**	**200**	**210**	**260**	**92**	**85**	**310**	**340**	**200**	**120**
1,2 Dichloroethene (total)	5	<5	< 50	<5	<5	<5	<10	<10	NS	<5	<5	<5	<5	<5	<5	<0.40	<0.83	<20	<0.48
Acetone	NP	37 JBD	<10	28 JBD	<20	<10	<10	<10	NS	<10	<4U	<4U	<10	<10	<10	<2.7U	R	< 74 U	<22 U
Chloroform	7	<50	<5	<5	<5	<5	<5	<5	NS	1J	<5	<5	<5	<5	<5	<0.42	<0.35	<20	<0.24
Chloromethane	NP	<10	<10	<10	<20	<10	<10	<10	NS	<10	<10	<10	<10	<10	<10	<0.51	<0.46	<20	<0.40
Methylene Chloride	5	**51 BD**	<5	**41 BD**	<10	<5	**28 BD**	4 JBD	NS	<5J	<1U	<2U	<2U	<5	<5	<1.4U	<1.5	<5.0	<3.0 UJ
Tetrachloroethene	5	**13 JD**	**19 JD**	**14 JD**	**12 D**	**11**	**15 D**	**14 D**	NS	**26**	**11**	**11**	**12**	<5	<5	4.4J	**6.6**	<20	2.7
Toluene	5	<50	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5	<5	<5	<5	<0.18	<0.58	<20	<0.36
Trichloroethene	5	<5	<50	<5	<10	<5	<10	<10	NS	<5	<5	<5	<5	<5	<5	<0.28	<0.58	<20	<0.77 U
Turbidity	5	**311**	NR	0	**12**	0.0	NR	**15.1**	NS	**50**	NR	NR	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	2.3 J	NR	2.1	NS	<2.5	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	<3.2	NR	3.0	NR	<2.3	NR	<3.0	NS	<3.5	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	<0.10	NR	0.15	NR	<0.20	NR	<0.10	NS	<0.10	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	50	**674**	NR	**114**	NR	**1110**	NR	**90.8**	NS	**380**	NR	NR	NR	NR	NR	NR	NR	NR	NR
Copper	200	35.1	NR	14.9	NR	35.2	NR	11.0	NS	16	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iron	300	**3720**	NR	**632**	NR	**3740**	NR	**430**	NS	**1790**	NR	NR	NR	NR	NR	<100	<100	NR	NR
Lead	15	4.1 J	NR	<2.1	NR	<2.6	NR	<2.2	NS	<2.7U	NR	NR	NR	NR	NR	NR	NR	NR	NR
Manganese	300	97	NR	15.3	NR	37.3	NR	5.3	NS	24.2	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	NS	<0.10	NR	NR	NR	NR	NR	NR	NR	NR	NR
Nickel	100	28.3	NR	9.4	NR	83.7	NR	15.4	NS	29.9	NR	NR	NR	NR	NR	NR	NR	NR	NR
			10x Dilution	5x Dilution	2x Dilution		2x Dilution	2x Dilution											
Top of Screen Elevation: 63.32 feet																			
Groundwater Elevation (feet):		59.01	58.31	57.31	59.37	57.31	56.19	54.41	53.41	56.01	58.08	58.08	58.36	59.80	59.80	61.71	62.01	60.76	62.04
Bottom of Screen Elevation: 53.32 feet																			

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity units
Elevations referenced to mean sea level
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's request.
Diffusion bags were placed with the center at 1 ft above the bottom of the well.
NS: Not sampled
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999)
NP: No proposed quantification level available
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Bolded values exceed the NY Water Quality Criteria
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Data Qualifiers:
B: The analyte was detected in the blank sample
J: Associated value is an estimated quantity
U: Compound was not detected above the associated level
UJ: Compound is not detected and the associated quantitation limit is uncertain
R: Rejected during data validation

Groundwater Sampling Analytical Results for
MW-5D

Analyte	NY Water Quality Criteria	June 2000	June 2000 Duplicate	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	3J	3 J	3 J	2 J	2 J	1 J	<5	<5	<5	<5	<5	<5	<5	<0.34	<0.39	<5.0	<0.13
1,1 Dichloroethene	5	2 J	1 JB	3 J	1 J	1 J	<5	<5	<5	<5	<5	<5	<5	<5	<0.53	<0.61	<5.0	<0.19
1,1,1 Trichloroethane	5	3 J	3 J	3 J	1 J	2 J	1 J	<5	<5	<5	<5	<5	<5	<5	<0.33	<0.48	<5.0	<0.16
1,1,2 Trichloroethane	1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.25	<0.70	<5.0	<0.11
1,2 Dichloroethene (total)	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.40	<0.83	<5.0	<0.24
Acetone	NP	<10	1 JB	<10	<10	<10	<10	<10	<5	<10	<10	<10UJ	<7UJ	<10UJ	<2.7U	R	< 64 U	<2.9 U
Carbon Disulfide	NP	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.23	<0.51	NR	NR
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.21	<0.38	NR	NR
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.42	<0.35	<5.0	<0.12
Methylene Chloride	5	<5	<5	**16 B**	<5	<5	<5	**8 B**	<5	<5	<5	<3U	<3U	<5	<1.4U	<1.5	<5.0	<0.33 UJ
Tetrachloroethene	5	1 J	<5	2 J	<5	1 J	1 J	<5	<5	<5	<5	<5	<5	<5	<0.24	<0.44	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.18	<0.58	<5.0	<0.18
Trichloroethene	5	2 J	2 J	3 J	<5	1 J	1 J	<5	<5	<5	<5	<5	<5	<5	<0.28	<0.58	<5.0	<0.11
Turbidity	5	0	0	NR	**11**	0	0.1	NR	2	0	0	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	<2.2	NR	<2.3	NR	2.3 UJ	NR	<1.9	<2.2	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	<3.2	<3.2	NR	<3.4	NR	3.9 UJ	NR	<3.0	<2.5	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	<0.10	<0.10	NR	<0.10	NR	<0.20	NR	<0.10	0.17U	<0.38U	NR	NR	NR	NR	NR	NR	NR
Chromium	50	31.8	35.8	NR	16.2 J	NR	2.6 J	NR	16.1	34.2	23.9	NR	NR	NR	NR	NR	NR	NR
Copper	200	59.5	65.8	NR	50.6	NR	47.9	NR	45.4	28.5J	35.5	NR	NR	NR	NR	NR	NR	NR
Iron	300	**2130 J**	**2750 J**	NR	**713**	NR	236	NR	245 J	**344**	**1660**	NR	NR	NR	NR	NR	NR	NR
Lead	15	9.4	10.5	NR	2.6	NR	<2.4	NR	3.8	2.0U	<6.5U	NR	NR	NR	NR	NR	NR	NR
Manganese	300	**529**	**529**	NR	**465**	NR	**628**	NR	**575**	**690**	**1200**	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	0.11	<0.13U	NR	NR	NR	NR	NR	NR	NR
Nickel	100	33	40.8	NR	13.2	NR	4.6	NR	11.5	5.4U	10.2	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: -3.00 feet Groundwater Elevation (feet): Bottom of Screen Elevation: -13.00 feet		58.65	58.65	57.85	57.01	59.10	57.15	55.70	54.00	52.35	55.85	57.86	57.86	59.60	61.45	61.75	60.43	61.69

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Elevations referenced to mean sea lev
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Bolded values exceed the NY Water Quality Criter
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Data Qualifiers:
B: The analyte was detected in the blank samp
J: Associated value is an estimated quanti
U: Compound was not detected above the associated lev
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R: Rejected during data validatio

Groundwater Sampling Analytical Results for
MW-6D

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	4 J	3 J	<5	2 J	2 J	2 J	2 J	4 J	3J	3J	4J	2J	3.0J	2.3J	<5.0	0.41 J
1,1 Dichloroethene	5	5 J	4 J	3 J	3 J	3 J	3 J	4 J	**7**	5	**6**	**6**	5	**7.8**	**5.3**	1.3J	0.67
1,1,1 Trichloroethane	5	**10**	**8**	5	5 J	4 J	5	5	**9**	**6**	**6**	**7**	**6**	**5.8**	<0.48	1.2J	<0.16
1,2 Dichloroethene (total)	5	<5	<5	<5	<5	<5	<5	<5	1 J	<5	1J	1J	<5	1.1J	1.0J	<5.0	0.27 J
2-Butanone	NP	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.38	<0.28UJ	NR	NR
Acetone	NP	<10	<10	6 JB	<5	<10	<10	<10	<10	<10	<10UJ	<10	<10	<2.7U	R	< 67 U	<2.2 U
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.21	<0.38	NR	NR
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	5 J	2J	1J	1J	<5	<0.42	<0.35	<5.0	0.19 J
Methylene Chloride	5	<5	<5	**13 B**	<5	3 J	**15 B**	<5	<5	<5	<4U	**<6U**	<5	<1.4U	<1.5	<5.0	<0.37 UJ
Tetrachloroethene	5	3 J	3 J	3 J	<5	4 J	2 J	2 J	4 J	3J	2J	2J	1J	1.6J	1.3J	<5.0	0.42 J
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.18	<0.58	<5.0	<0.18
Trichloroethene	5	**8**	**6**	5	4 J	4 J	4 J	4 J	**7**	**6**	**7**	**7**	**6**	**6.0**	4.9J	1.5J	0.99
Turbidity	5	0	NR	0	**6**	0.1	NR	**27.0**	**73**	0	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	<1.9	NR	2.0	<2.2	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	<3.2	NR	<2.4	NR	<2.3	NR	4.2 J	<2.5	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	<0.10	NR	0.24	NR	<0.20	NR	<0.10	0.16U	<0.21U	NR	NR	NR	NR	NR	NR	NR
Chromium	50	**458**	NR	**157**	NR	23.1	NR	**378**	**479**	**300**	NR	NR	NR	NR	NR	NR	NR
Copper	200	19.3	NR	9.7	NR	8.8	NR	28.8	15.1	<11.4U	NR	NR	NR	NR	NR	NR	NR
Iron	300	**3670 J**	NR	**534**	NR	180 J	NR	**1480 J**	**870**	**1500**	NR	NR	NR	NR	NR	NR	NR
Lead	15	2.6	NR	2.5	NR	<2.6	NR	5.7	5.2	<2.6U	NR	NR	NR	NR	NR	NR	NR
Manganese	300	243	NR	146	NR	79.4	NR	110	130	102	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	< 0.10	<0.10	NR	NR	NR	NR	NR	NR	NR
Nickel	100	**449**	NR	**121**	NR	67.3	NR	**110**	**133**	**235**	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: -3.04 feet Groundwater Elevation (feet): Bottom of Screen Elevation: -13.04 feet		58.39	57.89	56.96	59.05	57.09	55.79	53.79	52.29	53.69	57.78	57.78	59.44	61.29	61.64	60.22	61.54

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity u
Elevations referenced to mean sea lev
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's requi
Diffusion bags were placed with the center at 1 ft above the bottom of the w
NS: Not sample
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 199
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Groundwater Sampling Analytical Results for
MW-6S

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	July - Aug 2001 Duplicate	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	<5	<25	2 J	1 J	1 J	<5	<5	<5	NS	<5	<5	<5	<0.34	<0.39	<5.0	<0.13
1,1 Dichloroethene	5	<5	**14 JD**	<5	<5	<5	<5	1 J	1 J	NS	<5	1J	<5	<0.53	<0.61	<5.0	<0.19
1,1,1 Trichloroethane	5	**15**	**360 D**	**110**	**85**	**110**	**110**	**92**	**54**	NS	**19**	**24**	**16**	<0.33	<0.48	<5.0	<0.16
1,2 Dichloroethene (total)	5	<5	<25	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5	<0.40	<0.83	<5.0	<0.24
2-Butanone	NP	<10	<10	<10	<10	<10	<10	<10	<10	NS	<10	<10	<10	<0.38	<0.28UJ	NR	NR
Acetone	NP	<10	<10	3 JB	3 J	<10	<10	<10	<10	NS	<10	<2UJ	<10	<2.7U	R	< 62 U	<5.3 U
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5	<0.21	<0.38	NR	NR
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5	<0.42	<0.35	<5.0	<0.12
Methylene Chloride	5	<5	<5	3 JB	<5	3 J	<5	**14 B**	**9 B**	NS	<5	<4U	<5	<0.47	<1.5	<5.0	<0.27 U
Tetrachloroethene	5	<5	<25	1 J	<5	<5	<5	<5	<5	NS	<5	<5	<5	<0.24	<0.44	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5	<0.18	<0.58	<5.0	<0.18
Trichloroethene	5	<5	<25	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5	<0.28	<0.58	<5.0	<0.20
Turbidity	5	0	NR	0	0	0.0	NR	NR	**25.5**	NS	0	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	<1.9	<1.9	NR	**3.4**	NS	<2.5	NR	NR	NR	NR	NR	NR
Arsenic	25	<3.2	NR	<2.4	NR	<2.3	<2.3	NR	<3.0	NS	<3.5	NR	NR	NR	NR	NR	NR
Beryllium	3	<0.10	NR	0.27	NR	<0.20	<0.20	NR	<0.10	NS	<0.16U	NR	NR	NR	NR	NR	NR
Chromium	50	**159**	NR	**77.7**	NR	3.9	4.2	NR	**836**	NS	38.8	NR	NR	NR	NR	NR	NR
Copper	200	9.7	NR	6.5	NR	3.0	3.5	NR	9.8	NS	<3.4U	NR	NR	NR	NR	NR	NR
Iron	300	**899 J**	NR	**463**	NR	37.3 J	27.5 J	NR	**4760**	NS	291	NR	NR	NR	NR	NR	NR
Lead	15	<2.3	NR	<2.1	NR	<2.6	<2.6	NR	<2.2	NS	<2.6	NR	NR	NR	NR	NR	NR
Manganese	300	16.7	NR	53.4	NR	28.7	28.7	NR	14.9	NS	<5.4U	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	<0.10	NR	<0.10	NS	<0.10	NR	NR	NR	NR	NR	NR
Nickel	100	7.9	NR	17.4	NR	7.6	7.2	NR	20.6	NS	<1.8	NR	NR	NR	NR	NR	NR
			5x Dilution														
Top of Screen Elevation: 62.37 feet																	
Groundwater Elevation (feet):		58.29	58.29	56.79	58.95	57.59	57.59	55.69	53.89	52.49	55.49	57.72	59.34	61.19	61.49	60.19	61.49
Bottom of Screen Elevation: 52.37 feet																	

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity
Elevations referenced to mean sea lev
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Groundwater Sampling Analytical Results for
MW-7D

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	Jan - Feb 2002 Duplicate	July - Aug 2002	Apr-03	April 2003 Duplicate	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	**8**	**8**	**8**	2 J	**8**	**8**	**7**	**7**	5J	4J	4J	1J	2J	<5	<0.28	<0.39	<5.0	<0.13
1,1 Dichloroethene	5	4 J	5	3 J	**11**	3	3 J	3 J	3 J	4 J	1J	1J	<5	1J	<5	<0.40	<0.61	<5.0	0.57
1,1,1 Trichloroethane	5	**7**	5 J	3 J	**15**	2 J	2 J	2 J	2 J	3 J	<5J	<5J	<5	<5	<5	<0.43	<0.48	<5.0	<0.16
1,2 Dichloroethene (total)	5	2 J	3 J	2 J	1 J	3 J	2 J	2 J	2 J	2 J	<5	1J	<5	<5	<5	<0.44	<0.83	<5.0	0.59
2-Butanone	NP	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.92	<0.28UJ	NR	NR
Acetone	NP	<10	<10	2 JB	<5	<10	<10	<10	<10	<10	<10	<10	<10UJ	<10UJ	<10UJ	<2.5	R	< 62 U	<1.6 U
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.29	<0.38	NR	NR
Chloroform	7	<5	<5	<5	2 J	<5	<5	<5	<5	< 5	<5	<5	<5	<5	<5	<0.24	<0.35	<5.0	0.21 J
Chloromethane	NP	<10	3 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.64	<0.46	<5.0	<0.20
Methylene Chloride	5	<5	<5	4 JB	<5	1 J	**11 B**	**8 B**	**8 B**	<5J	<5	<5	<3U	<3U	<5	<0.91	<1.5	<5.0	<0.091 UJ
Tetrachloroethene	5	4 J	5 J	3 J	<5	3 J	3 J	3 J	3 J	2 J	1J	1J	<5	<5	<5	<0.35	<0.44	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5J	<5	<5	<5	<5	<5	<0.31	<0.58	<5.0	<0.18
Trichloroethene	5	5	**6**	4 JB	5 J	3 J	3 J	3 J	3 J	3 J	2J	2J	<5	1J	<5	<0.31	<0.58	<5.0	<0.51 U
Turbidity	5	0	NR	**10**	**10**	0.0	NR	**19.3**	**19.3**	0.0	**6**	**6**	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	<1.9	NR	<1.9	2.1	<2.2	<2.5	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	<3.2	NR	<2.4	NR	<2.3	NR	<3.0	<3.0	<2.5	<3.5	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	<0.10	NR	0.25 J	NR	<0.20	NR	<0.10	<0.10	0.23U	<0.60U	<0.62U	NR	NR	NR	NR	NR	NR	NR
Chromium	50	19.9	NR	2.7 J	NR	7.1	NR	3.3	3.6	18.6	<6.7U	<8.3U	NR	NR	NR	NR	NR	NR	NR
Copper	200	13.7	NR	3.1	NR	4.6	NR	5.8	7.3	13.2	3.2	4	NR	NR	NR	NR	NR	NR	NR
Iron	300	**544 J**	NR	94.2	NR	209 J	NR	86.0	98.8	**306**	289	**409**	NR	NR	NR	NR	NR	NR	NR
Lead	15	2.8	NR	<2.1	NR	<2.6	NR	<2.2	<2.2	<1.7	<2.9U	<2.6	NR	NR	NR	NR	NR	NR	NR
Manganese	300	47.4	NR	61.4	NR	69.3	NR	62.1	60.9	60.9	62.2	64.7	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR	NR
Nickel	100	13.8	NR	3.1	NR	3.7	NR	6.5	6.7	17.3	4.8	6.2	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: 0.38 feet																			
Groundwater Elevation (feet):		57.86	57.46	56.46	58.74	56.96	56.01	54.46	54.46	52.26	55.06	55.06	57.21	57.21	59.15	-0.94	61.22	59.86	61.16
Bottom of Screen Elevation: -9.62 feet																			

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity uni
Elevations referenced to mean sea leve
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's reques
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Data Qualifiers:
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R: Rejected during data validation

Groundwater Sampling Analytical Results for
MW-7S

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Oct 2000 Duplicate	Jan - Feb 2001	Jan - Feb 2001 Duplicate	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5	<5	<5	<0.34UJ	<0.39	<5.0	<0.13
1,1 Dichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5	<5	<5	<0.53UJ	<0.61	<5.0	<0.19
1,1,1 Trichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5	<5	<5	<0.33UJ	<0.48	<5.0	<0.16
1,2 Dichloroethene (total)	5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5	<5	<5	<0.40UJ	<0.83	<5.0	<0.24
2-Butanone	NP	<10	<10	<10	<10	<10	<10	<10	<10	NS	NS	<10	<10	<10	<0.38UJ	<0.28UJ	NR	NR
Acetone	NP	<10	<10	2 J	<10	2 JB	<5	<10	<10	NS	NS	<10	<10UJ	<10UJ	<2.7UJ	R	< 74 U	<4.8 U
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5	<5	<5	<0.21UJ	<0.38	NR	NR
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5	<5	<5	<0.42UJ	<0.35	<5.0	<0.12
Chloromethane	NP	<10	<10	<10	<10	<10	<10	<10	<10	NS	NS	<10	<10	<10	<0.51UJ	<0.46	<5.0	<0.20
Methylene Chloride	5	<5	<5	<5	2 JB	1 JB	<5	<5	**11 B**	NS	NS	<5	<3U	<5	<1.0UJ	<1.5	<5.0	<0.21 UJ
Tetrachloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5	<5	<5	<0.24UJ	<0.44	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5	<5	<5	<0.18UJ	<0.58	<5.0	<0.18
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	<5	<5	1J	<0.28UJ	<0.58	<5.0	<0.11
Turbidity	5	0	NR	NR	**190**	**190**	0	0.0	NR	NS	NS	5	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	NR	<2.3	<2.3	NR	<1.9	NR	NS	NS	<2.5	NR	NR	NR	NR	NR	NR
Arsenic	25	<3.2	NR	NR	<3.4	<3.4	NR	<2.3	NR	NS	NS	<3.5	NR	NR	NR	NR	NR	NR
Beryllium	3	<0.10	NR	NR	<0.10	<0.10	NR	<0.20	NR	NS	NS	<0.62U	NR	NR	NR	NR	NR	NR
Chromium	50	**57.3**	NR	NR	49.4 J	39.1 J	NR	<0.90	NR	NS	NS	**126**	NR	NR	NR	NR	NR	NR
Copper	200	15	NR	NR	10.1	12.2	NR	3.0	NR	NS	NS	2.9	NR	NR	NR	NR	NR	NR
Iron	300	**912 J**	NR	NR	**498**	**427**	NR	<15.7	NR	NS	NS	**787**	NR	NR	NR	NR	NR	NR
Lead	15	<2.3	NR	NR	<2.1	<2.1	NR	<2.6	NR	NS	NS	<2.6	NR	NR	NR	NR	NR	NR
Manganese	300	245	NR	NR	155	162	NR	1.4	NR	NS	NS	88.2	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	NR	<0.10	<0.10	NR	<0.10	NR	NS	NS	<0.10	NR	NR	NR	NR	NR	NR
Nickel	100	22.5	NR	NR	9.7	7.3	NR	1.5	NR	NS	NS	9.1	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: 63.06 feet																		
Groundwater Elevation (feet):		58.21	57.41	57.41	56.51	56.51	58.81	57.01	55.41	53.57	53.21	55.31	57.44	59.12	61.01	61.21	59.95	61.16
Bottom of Screen Elevation: 53.06 feet																		

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Data Qualifiers
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U: Compound was not detected above the associated le
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R: Rejected during data validatio

Groundwater Sampling Analytical Results for
MW-13

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	July - Aug 2002 Duplicate	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	**14**	**40 D**	**9**	**8**	**7**	2 J	<5	3 J	3 J	4J	<5	<5	<5	<0.34UJ	<0.39	<5.0	<0.13
1,1 Dichloroethene	5	**8**	**7 JD**	2 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.53UJ	<0.61	<5.0	<0.19
1,1,1 Trichloroethane	5	**120**	**350 D**	**110**	**34**	**34**	**15**	**34**	**12**	**11**	**30**	**14**	**6**	<5	<0.33UJ	<0.48	4.6J	<0.16
1,1,2 Trichloroethane	1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.25UJ	<0.70	<5.0	<0.11
1,2 Dichloroethene (total)	5	<5	< 25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.40UJ	<0.83	<5.0	<0.24
Acetone	NP	8 JB	<10	2 JB	4 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<2.7UJ	R	< 67 U	<1.7 U
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.42UJ	2.1J	<5.0	<0.12
Chloromethane	NP	<10	<10	<10	1 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.51UJ	<0.46	<5.0	<0.20
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.21UJ	**9.4**	NR	NR
Methylene Chloride	5	4 JB	<5	1 JB	<5	<5	**14 B**	1 JB	<5	<5	<5J	<5U	<6U	<5	<1.0UJ	<1.5	<5.0	<0.21 UJ
Tetrachloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.24UJ	<0.44	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.18UJ	<0.58	<5.0	<0.18
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.28UJ	<0.58	<5.0	<0.11
Turbidity	5	**200**	NR	0	0	0.1	NR	**22.5**	**110**	**110.0**	**45**	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	2.3 J	NR	<1.9	<2.2	<2.2	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	4.3	NR	<3.4	NR	4.7 J	NR	4.1 J	<2.5	<2.5	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	<0.10	NR	<0.10	NR	<0.20	NR	0.12	0.10U	0.10U	<0.10	NR	NR	NR	NR	NR	NR	NR
Chromium	50	6.3	NR	2.3 J	NR	1.5 J	NR	3.5	0.52U	16.3	<3.1U	NR	NR	NR	NR	NR	NR	NR
Copper	200	12.7	NR	5.6	NR	3.1	NR	10.2	1.8	2.8	4.1	NR	NR	NR	NR	NR	NR	NR
Iron	300	**17200**	NR	**687**	NR	**634**	NR	**2050 J**	<14.5	**707**	**919**	NR	NR	NR	290	290	NR	NR
Lead	15	5.2	NR	<2.1	NR	<2.4	NR	<2.2	<1.7	<1.7	<2.6	NR	NR	NR	NR	NR	NR	NR
Manganese	300	**365**	NR	54.9	NR	17.3	NR	26.6	32.1	31.8	28	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR	NR
Nickel	100	12.2	NR	7.2	NR	4.7	NR	6.7	3.2	5.3	<5.1U	NR	NR	NR	NR	NR	NR	NR
			5x Dilution															
Top of Screen Elevation: 53.65 feet																		
Groundwater Elevation (feet):		58.35	57.45	57.65	58.71	56.45	55.44	53.55	51.85	51.85	55.35	57.46	57.46	59.10	61.00	61.35	59.93	61.19
Bottom of Screen Elevation: 43.65 feet																		

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity u
Elevations referenced to mean sea lev
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's requ
Diffusion bags were placed with the center at 1 ft above the bottom of the we
NS: Not sample
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 199
NP: No proposed quantification level availab
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Bolded values exceed the NY Water Quality Criter
*Data presented from May 1993 and February 1994 is published in the Record of Decision (USEPA 1994). These data provide a benchmark of pre-remediation conditions for the upgradient
Data Qualifiers:
B: The analyte was detected in the blank samp
J: Associated value is an estimated quantit
U: Compound was not detected above the associated lev
UJ: Compound is not detected and the associated quantitation limit is uncerta
R: Rejected during data validatio

Groundwater Sampling Analytical Results for
MW-14

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	4J	2 J	1 J	2 J	2 J	<5	2 J	<5	4J	<5	<5	<5	<0.34UJ	<0.39	<5.0	<0.13
1,1 Dichloroethene	5	1J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.53UJ	<0.61	<5.0	<0.19
1,1,1 Trichloroethane	5	**21**	**8**	**15**	5 J	**12**	**6**	**15**	1 J	2J	3J	<5	<5	<0.33UJ	<0.48	<5.0	<0.16
1,1,2 Trichloroethane	1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.25UJ	<0.70	<5.0	<0.11
1,2 Dichloroethene (total)	5	1J	<5	<5	1 J	<5	<5	<5	<5	<5	<5	<5	<5	<0.40UJ	<0.83	<5.0	<0.24
2-Butanone	NP	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.38UJ	<0.28UJ	NR	NR
Acetone	NP	<10	<10	1 JB	<5	<10	<10	<10	<10	<10	<10	<3U	<10	<2.7UJ	R	< 63 U	<0.58 U
Carbon Disulfide	NP	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.23UJ	<0.51	NR	NR
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.3J	1.3J	NR	NR
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.42UJ	<0.35	<5.0	<0.12
Chloromethane	NP	<10	<10	<10	<5	<10	<10	<10	<10	<10	<10	<10	<10	<0.51UJ	<0.43	<5.0	<0.20
Methylene Chloride	5	<5	<5	<5	5 J	<5	**9 B**	4JB	<5	<5	<2U	<2U	<5	<0.47UJ	<1.5	<5.0	<0.091 UJ
Tetrachloroethene	5	2J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.24UJ	<0.44	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.18UJ	<0.58	<5.0	<0.18
Trichloroethene	5	1J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.28UJ	<0.58	<5.0	<0.11
Turbidity	5	**75**	NR	0	0	0.0	NR	**25.7**	0	**95**	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	<1.9	NR	<1.9	<2.2	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	<3.2	NR	<3.4	NR	<2.3	NR	<3.0	<2.5	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	<0.10	NR	<0.10	NR	<0.20	NR	<0.10	0.22U	<0.69U	NR	NR	NR	NR	NR	NR	NR
Chromium	50	3.1	NR	2.6 J	NR	<0.90	NR	3.3	3.6U	<6.4U	NR	NR	NR	NR	NR	NR	NR
Copper	200	3.2	NR	2.3	NR	0.87	NR	3.0	1.5	2.9	NR	NR	NR	NR	NR	NR	NR
Iron	300	**14100**	NR	**7870**	NR	**6830 J**	NR	**12200**	**14600**	**18100**	NR	NR	NR	NR	NR	NR	NR
Lead	15	2.8	NR	<2.1	NR	<2.6	NR	<2.2	<1.7	<2.6	NR	NR	NR	NR	NR	NR	NR
Manganese	300	**1090**	NR	217	NR	**421**	NR	**374**	221	284	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	<0.10	0.11	NR	NR	NR	NR	NR	NR	NR
Nickel	100	6.5	NR	2.9	NR	3.6	NR	5.5	3.8U	6.5	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: 52.58 feet																	
Groundwater Elevation (feet):		56.68	56.28	55.48	57.06	55.78	54.28	52.58	50.78	53.26	56.45	56.45	58.03	59.93	60.18	58.80	60.08
Bottom of Screen Elevation: 42.58 feet																	

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity uni
Elevations referenced to mean sea leve
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's reques
Diffusion bags were placed with the center at 1 ft above the bottom of the well
NS: Not sampled
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999
NP: No proposed quantification level available
NR: Not required
Bolded values exceed the NY Water Quality Criteria
*Data presented from May 1993 and February 1994 is published in the Record of Decision (USEPA 1994). These data provide a benchmark of pre-remediation conditions for the upgradient we

Data Qualifiers:

B: The analyte was detected in the blank sample
J: Associated value is an estimated quantity
U: Compound was not detected above the associated leve
UJ: Compound is not detected and the associated quantitation limit is uncertair
R: Rejected during data validation

Groundwater Sampling Analytical Results for
MW-15

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Oct 2000 Duplicate	Jan - Feb 2001	Jan - Feb 2001 Duplicate	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	Jan - Feb 2002 Duplicate	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.38	<0.39	<5.0	<0.13
1,1 Dichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.29	<0.61	<5.0	<0.20
1,1,1 Trichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.53	<0.48	<5.0	<0.16
1,1,2 Trichloroethane	1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.44	<0.70	<5.0	<0.11
1,2 Dichloroethene (total)	5	**42**	1 J	1 J	**18**	**20**	**24**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.47	<0.83	<5.0	<0.24
Acetone	NP	<10	<10	<10	<10	3 JB	<5	<10	<10	<10	<10	<10	<10	<10	<3U	<10	<2.8U	R	< 68 U	<1.6 U
Chlorobenzene	5	1 J	<5	<5	1J	1 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.089	<0.38	NR	NR
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.93	<0.35	<5.0	<0.12
Chloromethane	NP	<10	<10	<10	<10	<10	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.74	<0.46	<5.0	<0.20
Methylene Chloride	5	<5	<5	<5	<5	1 JB	5 J	<5	5 B	2 JB	2 JB	<5	<5J	<2U	<2U	<5	<2.3U	<1.5	<5.0	<0.091 UJ
Tetrachloroethene	5	**11**	<5	<5	**9**	**8**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.50	<0.44	<5.0	0.20 J
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.32	<0.58	<5.0	<0.18
Trichloroethene	5	**14**	<5	<5	4 J	5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.38	<0.58	<5.0	<0.11
Turbidity	5	0	NR	NR	**190**	**190**	0	0.1	NR	**19.4**	NR	0	**36**	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<3.2	NR	NR	<2.3	<2.3	NR	2.3 UJ	NR	<1.9	<1.9	<2.2	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	10.6	NR	NR	6.4	6.8	NR	6.9 J	NR	4.9	7.2 J	2.5	<3.8U	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	0.21	NR	NR	<0.10	<0.10	NR	<0.20	NR	<0.10	0.12	0.13U	<0.10	NR	NR	NR	NR	NR	NR	NR
Chromium	50	19.5	NR	NR	4.4 J	3.8 J	NR	1.4 UJ	NR	2.4	4.2	2.7U	8.9	NR	NR	NR	NR	NR	NR	NR
Copper	200	9.7	NR	NR	8.9	7.3	NR	<0.50	NR	3.8	8.5	1.3	7.8	NR	NR	NR	NR	NR	NR	NR
Iron	300	**39100 J**	NR	NR	**36400**	**34900**	NR	**27800**	NR	**19800 J**	**19700 J**	**29300**	**22700**	NR	NR	NR	NR	NR	NR	NR
Lead	15	4.6	NR	NR	4.6	3.4	NR	<2.4	NR	2.9	4.4	<1.7	<3.2U	NR	NR	NR	NR	NR	NR	NR
Manganese	300	**405**	NR	NR	**417**	**403**	NR	**344**	NR	199	194	**339**	**309**	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	NR	<0.10	<0.10	NR	<0.10	NR	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR	NR
Nickel	100	13	NR	NR	4.8	3.8	NR	2.7	NR	3.1	3.3	1.6U	9.3	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: 54.60 feet Groundwater Elevation (feet): Bottom of Screen Elevation: 44.60 feet		58.95	58.25	58.25	57.15	57.15	59.31	57.35	56.15	54.25	54.25	52.60	56.05	58.15	58.15	59.75	61.70	62.01	60.62	61.86

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity unit
Elevations referenced to mean sea leve
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's reques
Diffusion bags were placed with the center at 1 ft above the bottom of the we
NS: Not sampled
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999
NP: No proposed quantification level available
NR: Not required
Bolded values exceed the NY Water Quality Criteria
*Data presented from May 1993 and February 1994 is published in the Record of Decision (USEPA 1994). These data provide a benchmark of pre-remediation conditions for the upgradient well
Data Qualifiers:
B: The analyte was detected in the blank sample
J: Associated value is an estimated quantity
U: Compound was not detected above the associated leve
UJ: Compound is not detected and the associated quantitation limit is uncertain
R: Rejected during data validation

Groundwater Sampling Analytical Results for
MW-16

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	Apr - May 2001 Duplicate	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.38	<0.39	<5.0	<0.13
1,1 Dichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.29	<0.61	<5.0	<0.19
1,1,1 Trichloroethane	5	<5	<5	<5	<5	<5	<5	<5	3 J	<5	<5J	<5	<5	<5	<0.53	<0.48	<5.0	<0.16
1,2 Dichloroethene (total)	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.47	<0.83	<5.0	<0.24
2-Butanone	NP	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.84	<0.28UJ	NR	NR
Acetone	NP	<10	<10	<10	<5	<5	<10	<10	<10	<10	<10	<2U	<10	<10UJ	<2.8U	R	< 70 U	<2.4 U
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.089	<0.38	NR	NR
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.93	<0.35	<5.0	<0.12
Chloromethane	NP	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.74	<0.46	<5.0	<0.20
Methylene Chloride	5	<5	<5	<5	<5	<5	<5	1 JB	<5	<5	<5	<2U	<2U	<5	<2.1U	<2.1U	<5.0	<0.16 UJ
Tetrachloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.50	<0.44	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.32	<0.58	<5.0	<0.18
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.38	<0.58	<5.0	<0.11
Turbidity	5	**133**	NR	**47**	0	0	0.0	NR	**26.4**	**97**	**170**	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	NR	<1.9	NR	<1.9	2.2U	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	17.2	NR	10.4	NR	NR	5.7	NR	10.3 J	**39.8**	6.6	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	<0.10	NR	<0.10	NR	NR	<0.20	NR	<0.10	1.30U	<0.68U	NR	NR	NR	NR	NR	NR	NR
Chromium	50	6.9	NR	3.6 J	NR	NR	<0.90	NR	4.4	43.6	<6.5U	NR	NR	NR	NR	NR	NR	NR
Copper	200	11.8	NR	7.2	NR	NR	0.89	NR	7.2	54.7	<0.60	NR	NR	NR	NR	NR	NR	NR
Iron	300	**33700 J**	NR	**25200**	NR	NR	**25400 J**	NR	**24600 J**	**58400**	**20900**	NR	NR	NR	NR	NR	NR	NR
Lead	15	3.9	NR	<2.1	NR	NR	<2.6	NR	2.7	**28.6**	<2.6	NR	NR	NR	NR	NR	NR	NR
Manganese	300	**524**	NR	**426**	NR	NR	**430**	NR	**363**	**438**	293	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	NR	<0.10	NR	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR	NR
Nickel	100	5.2	NR	2.7	NR	NR	1.9	NR	4.1	23.4U	5.7	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: 54.75 feet Groundwater Elevation (feet): Bottom of Screen Elevation: 44.75 feet		58.40	57.80	56.76	56.90	56.90	56.80	55.58	53.70	52.20	55.10	57.77	57.77	59.39	61.29	61.60	60.18	61.46

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity u
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UJ: Compound is not detected and the associated quantitation limit is uncerta
R: Rejected during data validatio

Groundwater Sampling Analytical Results for
MW-17

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	5	**7**	3 J	2 J	1 J	1 J	2 J	3 J	<5	<5	<5	<5	<0.38	<0.39	**20**	**17**
1,1 Dichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.29	<0.61	<5.0	<0.19
1,1,1 Trichloroethane	5	**39**	**58**	**33**	**9**	**12**	**19**	**22**	5 J	4J	<5	<5	<5	<0.53	<0.48	**7.4**	**8.1**
1,1,2 Trichloroethane	1	<5	**3 J**	<5	<5	1 J	**2 J**	<5	<5	<5	<5	<5	<5	<0.44	<0.70	<5.0	<0.11
1,2 Dichloroethene (total)	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.47	<0.83	<5.0	<0.24
Acetone	NP	<10	<10	<5	<5	<10	<10	<5	<10	<10	<7UJ	<10UJ	<10UJ	<2.8U	R	< 70 U	<0.96 U
Carbon Disulfide	NP	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.18	<0.51	NR	NR
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.089	<0.38	NR	NR
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.93	<0.35	<5.0	<0.12
Methylene Chloride	5	<5	<5	<5	<5	<5	**9 B**	1 JB	<5	<5	<3U	<4U	<5	<1.5U	<1.5	<5.0	<0.14 UJ
Tetrachloroethene	5	<5	3 J	1 J	<5	< 1	1 J	1 J	<5	<5	<5	<5	<5	<0.50	<0.44	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.32	<0.58	<5.0	<0.18
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.38	<0.58	<5.0	<0.11
Turbidity	5	**15.9**	NR	**35**	**10**	0.1	NR	**18**	0	**200**	NR	NR	NR	NR	NR	NR	NR
Antimony	3	2.5	NR	<2.3	NR	2.3 UJ	NR	<1.9	<2.2	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	6.5	NR	<3.4	NR	3.9 UJ	NR	<3.0	<2.5	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	0.26	NR	<0.10	NR	<0.20	NR	<0.10	0.26U	<0.64U	NR	NR	NR	NR	NR	NR	NR
Chromium	50	25.9	NR	7.6 J	NR	2.6 J	NR	2.8	4.8	**65**	NR	NR	NR	NR	NR	NR	NR
Copper	200	79.1	NR	42.6	NR	29.2	NR	18.5	20.1	108	NR	NR	NR	NR	NR	NR	NR
Iron	300	**16900 J**	NR	**1600**	NR	**409**	NR	**662 J**	**982**	**11100**	NR	NR	NR	NR	NR	NR	NR
Lead	15	**20.1**	NR	<2.1	NR	<2.4	NR	2.3	<1.7	14.6	NR	NR	NR	NR	NR	NR	NR
Manganese	300	**386**	NR	73.8	NR	176	NR	108	53.7	**401**	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	NR	<0.10	<0.10	<0.12	NR	NR	NR	NR	NR	NR	NR
Nickel	100	61.9	NR	47.4	NR	49.5	NR	22.7	14.2U	59.6	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: 58.08 feet																	
Groundwater Elevation (feet):		57.98	57.38	57.65	58.81	56.88	58.81	51.78	52.08	55.48	57.38	57.38	59.25	61.13	61.38	59.98	61.36
Bottom of Screen Elevation: 48.08 feet																	

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity uni
Elevations referenced to mean sea leve
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's reques
Diffusion bags were placed with the center at 1 ft above the bottom of the well
NS: Not sampled
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999)
NP: No proposed quantification level available
NR: Not required
Bolded values exceed the NY Water Quality Criteria
*Data presented from May 1993 and February 1994 is published in the Record of Decision (USEPA 1994). These data provide a benchmark of pre-remediation conditions for the upgradient wel
Data Qualifiers:
B: The analyte was detected in the blank sample
J: Associated value is an estimated quantity
U: Compound was not detected above the associated leve
UJ: Compound is not detected and the associated quantitation limit is uncertain
R: Rejected during data validation

Groundwater Sampling Analytical Results for
MW-18

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	July - Aug 2001 Duplicate	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.38	<0.39	<5.0	<0.13
1,1 Dichloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.29	<0.61	<5.0	<0.19
1,1,1 Trichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.53	<0.48	<5.0	<0.16
1,1,2 Trichloroethane	1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.44	<0.70	<5.0	<0.11
1,2 Dichloroethene (total)	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.47	<0.83	<5.0	<0.24
Acetone	NP	<10	<10	7 JB	6 J	<10	<10	<10	<10	<10	<10	<4U	<4U	<10	<2.8U	R	< 67 U	< 3.2 U
Carbon Disulfide	NP	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.18	<0.51	NR	NR
Chlorobenzene	5	<5	<5	1 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.089	<0.38	NR	NR
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.93	<0.35	<5.0	<0.12
Methylene Chloride	5	<5	<5	2 JB	**7**	<5	<5	**10 B**	<5	<5	<5	<1U	<2U	<5	<0.97U	<1.5	<5.0	<0.21 UJ
Tetrachloroethene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.50	<0.44	<5.0	<0.11
Toluene	5	<5	<5	2 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.32	<0.58	<5.0	<0.18
Trichloroethene	5	<5	<5	1 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.38	<0.58	<5.0	<0.11
Turbidity	5	**247**	NR	0	0	0.0	NR	NR	**16.4**	0	0	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	2.3 UJ	2.3 UJ	NR	<1.9	<2.2	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	6.1	NR	8.1	NR	3.9 UJ	3.9 UJ	NR	<3.0	<2.5	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	0.1	NR	0.55	NR	<0.20	<0.20	NR	<0.10	0.26U	<0.19U	NR	NR	NR	NR	NR	NR	NR
Chromium	50	31.2	NR	**80**	NR	3.2 J	3.1 J	NR	5.3	6.7	25.7	NR	NR	NR	NR	NR	NR	NR
Copper	200	9.7	NR	13.6	NR	0.52	<0.50	NR	3.4	0.55	<4.6U	NR	NR	NR	NR	NR	NR	NR
Iron	300	**9060**	NR	**13500**	NR	**905**	**381**	NR	**1170 J**	**1100**	**3850**	NR	NR	NR	NR	NR	NR	NR
Lead	15	4.2	NR	7.5	NR	<2.4	<2.4	NR	<2.2	1.9U	<3.2U	NR	NR	NR	NR	NR	NR	NR
Manganese	300	164	NR	269	NR	15.4	10.6	NR	16.6	23.4	70.4	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	<0.10	NR	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR	NR
Nickel	100	16.4	NR	46.6	NR	2.9	1.9	NR	4.8	4.8U	15.6	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: 58.03 feet Groundwater Elevation (feet): Bottom of Screen Elevation: 48.03 feet		47.30	56.30	55.50	57.73	55.60	55.60	54.20	52.52	51.00	54.60	56.67	56.67	58.20	60.05	60.25	58.84	60.22

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity uni
Elevations referenced to mean sea leve
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's reques
Diffusion bags were placed with the center at 1 ft above the bottom of the well
NS: Not sampled
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999)
NP: No proposed quantification level availabl
NR: Not required
Bolded values exceed the NY Water Quality Criteria
*Data presented from May 1993 and February 1994 is published in the Record of Decision (USEPA 1994). These data provide a benchmark of pre-remediation conditions for the upgradient wel
Data Qualifiers:
B: The analyte was detected in the blank sampl
J: Associated value is an estimated quantit
U: Compound was not detected above the associated leve
UJ: Compound is not detected and the associated quantitation limit is uncertai
R: Rejected during data validatio

Groundwater Sampling Analytical Results for
MW-19D

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Oct 2001 Duplicate	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-04 (bottom bag	Jun-04 (Low Flow)	Jun-05	Jun-05 (duplicate)	Jul-06	Jul-06 (duplicate)	Aug-07	Aug-07 (duplicate)	Jul-08	Jul-08 (duplicate)	Jul-09	Jul-09 (duplicate)
1,1 Dichloroethane	5	3J	4 J	4 J	4 J	4 J	4 J	4 J	3 J	4 J	2J	<5	2J	2J	3J	3J	2J	3.3J	2.6J	<0.39	<0.39	4.0J	3.9J	3.8	3.6 J
1,1 Dichloroethene	5	**14**	**14**	**12**	**18**	**19**	**19**	**18**	**23**	**24**	**11**	<5	**22**	**22**	**19**	**25**	**24**	**130**	**70**	<0.61	<0.61	**40**	**42**	**29 J**	**29 J**
1,1,1 Trichloroethane	5	**23**	**19**	**17**	**27**	**27**	**28**	**28**	**30**	**28**	**16**	2J	**23**	**23**	**22**	**30**	**29**	**82**	**60**	<0.48	<0.48	**32**	**34**	**18**	**18**
1,2 Dichloroethene (total)	5	3J	**6**	<5	**7**	**8**	**8**	**7**	**8**	**10**	**8**	<5	**8**	**8**	**7**	**7**	**6**	**5.6**	4.6J	<0.83	<0.83	3.0J	2.7J	2.3 J	2.3 J
2-Butanone	NP	<10	<10	<10	<10	<10	4 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.84	<0.92	<0.28UJ	<0.28UJ	NR	NR	NR	NR
Acetone	NP	<10	<10	4 JB	<10	<10	<10	<10	8 JB	<10	<10	<4U	<4U	<3U	<1U	<10	<10	<2.8U	<2.5U	R	R	68J	< 69 U	<3.9 UJ	<4.8 UJ
Carbon Disulfide	NP	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.18	<0.62	<0.51	<0.51	NR	NR	NR	NR
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.089	<0.29	<0.38	<0.38	NR	NR	NR	NR
Chloroform	7	2J	2 J	<5	5 J	7	7	7	**10**	**14**	**19**	2J	**31**	**32**	**25**	**21**	**21**	**7.0**	4.8J	<0.35	<0.35	2.4J	2.4J	1.5	1.5
Chloromethane	NP	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.74	<0.64	<0.46	<0.46	<5.0	<5.0	<0.20	<0.20
Methylene Chloride	5	<5	**13 B**	**12 B**	**6**	<5	**9 B**	**9 B**	<5	<5	<5	<5U	<4U	<3U	<4U	<5	<5	<2.2U	<0.91	<1.5	<3.3U	<5.0	<5.0	<0.23 UJ	<0.28 UJ
Tetrachloroethene	5	**46**	**47**	**50**	**55**	**65**	**62**	**61**	**77**	**62**	**57**	2J	**24**	**24**	**39**	**20**	**18**	**20**	**15**	<0.44	<0.44	**7.2**	**8.0**	4.0	4.0
Toluene	5	2J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.32	<0.31	<0.58	<0.58	<5.0	<5.0	<0.18	<0.18
Trichloroethene	5	**40**	**34**	**37**	**36**	**46**	**43**	**43**	**55**	**57**	**33**	2J	**33**	**35**	**32**	**28**	**26**	**31**	**23**	<0.58	<0.58	**40**	**40**	**33**	**34 J**
Turbidity	5	**238**	NR	0	**230**	0.1	NR	NR	**659**	**250**	**990**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	2.3 UJ	NR	NR	<1.9	<2.2	<2.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	<3.2	NR	10.4	NR	5.4 J	NR	NR	12.5 J	7.8	<10.9U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	0.3	NR	1.1	NR	<0.20	NR	NR	0.47	2.60	<1.1U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	50	43.9	NR	47.4	NR	49.5 J	NR	NR	**86.4**	**55.7**	**163**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Copper	200	14.2	NR	26.1	NR	7.8	NR	NR	38.2	21.0	114	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iron	300	**7240**	NR	**15000**	NR	**4730**	NR	NR	**27300 J**	**18900**	**33800**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	15	10.3	NR	**18.0**	NR	3.8	NR	NR	**22.7**	**16.3**	**34.1**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Manganese	300	**557**	NR	**646**	NR	295	NR	NR	**568**	**429**	**724**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	<0.10	NR	<0.10	NR	<0.10	NR	NR	<0.10	<0.10	<0.16U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Nickel	100	32	NR	32.9	NR	36.0	NR	NR	59.1	35.7	**115**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: Unknown																									
Groundwater Elevation (feet):		55.70	55.10	54.26	56.45	54.00	53.10	53.10	51.10	49.60	53.20	55.36	55.36	55.36	55.45	56.95	56.95	58.75	58.75	58.90	58.90	57.46	57.46	58.90	58.90
Bottom of Screen Elevation: Unknown																									

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity units
Elevations referenced to mean sea level
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's request.
Diffusion bags were placed with the center at 1 ft above the bottom of the well.
NS: Not sampled
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999)
NP: No proposed quantification level available
NR: Not required
Bolded values exceed the NY Water Quality Criteria
*Data presented from May 1993 and February 1994 is published in the Record of Decision (USEPA 1994). These data provide a benchmark of pre-remediation conditions for the upgradient wells.
Data Qualifiers:
B: The analyte was detected in the blank sample
J: Associated value is an estimated quantity
U: Compound was not detected above the associated level
UJ: Compound is not detected and the associated quantitation limit is uncertain
R: Rejected during data validation
U: Compound was not detected above the associated level

Groundwater Sampling Analytical Results for
MW-19S

Analyte	NY Water Quality Criteria	June 2000	Oct 2000	Jan - Feb 2001	Apr - May 2001	July - Aug 2001	Oct 2001	Jan - Feb 2002	July - Aug 2002	Apr-03	Jun-04 (topmost bag)	Jun-04 (bottom bag)	Jun-05	Jul-06	Aug-07	Jul-08	Jul-09
1,1 Dichloroethane	5	**6**	4 J	3 J	4 J	5 J	3 J	3 J	3 J	4J	<5	<5	<5	<0.28	<0.39	<5.0	0.28 J
1,1 Dichloroethene	5	1J	2 J	1 J	2 J	3 J	1 J	1 J	<5	<5	<5	<5	<5	<0.40	<0.61	<5.0	<0.19
1,1,1 Trichloroethane	5	**8**	5 J	1 J	<5	1 J	2 J	1 J	<5	**6**	<5	<5	<5	<0.43	<0.48	<5.0	<0.16
1,2 Dichloroethene (total)	5	<5	1 J	<5	2 J	2 J	1 J	<5	2 J	<5	<5	<5	<5	<0.44	<0.83	<5.0	0.93 J
2-Butanone	NP	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.92	<0.28UJ	NR	NR
Acetone	NP	<10	4 J	4 JB	<10	<10	<10	<10	<10	<10	<4U	<10	<10	<2.5UJ	R	< 74 U	<3.0 UJ
Carbon Disulfide	NP	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.62	<0.51	NR	NR
Chlorobenzene	5	2J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.29	<0.38	NR	NR
Chloroform	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.24	<0.35	<5.0	<0.12
Chloromethane	NP	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.64	<0.46	<5.0	<0.20 UJ
Methylene Chloride	5	<5	**14 B**	**12 B**	**6**	<5	**9 B**	<5	<5	<5	<2U	<2U	<5	<2.0UJ	<1.5	<5.0	<0.091 UJ
Tetrachloroethene	5	<5	2 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.35	<0.44	<5.0	<0.11
Toluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.31	<0.58	<5.0	<0.18
Trichloroethene	5	<5	2 J	<5	<5	2 J	<5	<5	<5	<5	<5	<5	<5	<0.31	<0.58	<5.0	<0.11
Turbidity	5	**64.9**	NR	0	0	0.1	NR	**62**	0	0	NR	NR	NR	NR	NR	NR	NR
Antimony	3	<2.2	NR	<2.3	NR	2.3 UJ	NR	<1.9	<2.2	<2.5	NR	NR	NR	NR	NR	NR	NR
Arsenic	25	4.1	NR	4.7	NR	3.9 UJ	NR	5.1 J	<2.5	<3.5	NR	NR	NR	NR	NR	NR	NR
Beryllium	3	0.37	NR	0.60	NR	<0.20	NR	0.16	0.61U	<0.10	NR	NR	NR	NR	NR	NR	NR
Chromium	50	**96.6**	NR	36.5	NR	1.4 UJ	NR	40.2	**121**	<6.6U	NR	NR	NR	NR	NR	NR	NR
Copper	200	109	NR	13.7	NR	<0.50	NR	16.4	6.3	<3.4U	NR	NR	NR	NR	NR	NR	NR
Iron	300	**21600**	NR	**29400**	NR	**15400**	NR	**26000 J**	**18600**	**14700**	NR	NR	NR	NR	NR	NR	NR
Lead	15	**34**	NR	4.6	NR	<2.4	NR	6.3	<1.7	<2.6	NR	NR	NR	NR	NR	NR	NR
Manganese	300	**2100**	NR	**1050**	NR	**786**	NR	**966**	**683**	**1020**	NR	NR	NR	NR	NR	NR	NR
Mercury	0.7	0.34	NR	0.34	NR	<0.10	NR	**0.76**	0.14	<0.15U	NR	NR	NR	NR	NR	NR	NR
Nickel	100	66.9	NR	26.7	NR	3.9	NR	29.1	86.8	4.0	NR	NR	NR	NR	NR	NR	NR
Top of Screen Elevation: Unknown																	
Groundwater Elevation (feet):		56.20	55.00	54.20	56.40	54.30	53.00	51.10	49.60	53.40	55.30	55.30	56.85	58.60	58.80	57.43	58.84
Bottom of Screen Elevation: Unknown																	

Notes: Volatile and metal concentrations presented in micrograms per liter; turbidity measurements presented in nephelometric turbidity uni
Elevations referenced to mean sea leve
Since June 2004, monitoring wells have been sampled for VOC's only using the diffusion bag sampling method as per USEPA's reques
Diffusion bags were placed with the center at 1 ft above the bottom of the well
NS: Not sampled
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999)
NP: No proposed quantification level availabl
NR: Not required
Bolded values exceed the NY Water Quality Criteri
*Data presented from May 1993 and February 1994 is published in the Record of Decision (USEPA 1994). These data provide a benchmark of pre-remediation conditions for the upgradient wel
Data Qualifiers:
B: The analyte was detected in the blank sampl
J: Associated value is an estimated quantit
U: Compound was not detected above the associated leve
UJ: Compound is not detected and the associated quantitation limit is uncertai
R: Rejected during data validatio

Appendix A-3
Laboratory Summary Report (Validated)

SUMMARY REPORT (Validated)
Lab: TestAmerica Laboratories, Inc.
Circuitron Corporation Superfund Site
Monitoring Wells Sampling: July 2009
Volatile Organics Results

Sample ID	CC-18-MW-1S-15	CC-18-MW-1D-15	CC-18-MW-3S-15	CC-18-MW-3D-15	CC-18-MW-4S-15	CC-18-MW-4D-15	NY Water Quality
Lab Sample ID	220-9731-1	220-9731-2	220-9731-3	220-9731-4	220-9731-5	220-9731-6	Criteria
Sampling Date	07/28/2009	07/28/2009	07/28/2009	07/28/2009	07/28/2009	07/28/2009	
Volatiles (µg/L)							
1,1 Dichloroethane	<0.13	<0.13	<0.13	<0.13	<0.26	0.87	5
1,1 Dichloroethene	<0.19	2.0	<0.19	<0.19	<0.38	1.0	5
1,1,1 Trichloroethane	<0.16	1.0	<0.16	<0.16	**120**	<0.16	5
1,1,2 Trichloroethane	<0.11	<0.11	<0.11	<0.11	<0.22	<0.11	1
1,2 Dichloroethene (total)	<0.24	<0.24	<0.24	<0.24	<0.48	0.49 J	5
Acetone	<3.7 U	<3.8 U	<3.5 U	<3.4 U	<22 U	<3.1 U	NP
Chloroform	<0.12	0.25 J	1.8	<0.12	<0.24	<0.12	7
Chloromethane	<0.20	<0.20	<0.20	<0.20	<0.40	<0.20	NP
Methylene Chloride	<0.20 UJ	<0.24 U	<0.25 U	<0.091 UJ	<3.0 UJ	<0.13 UJ	5
Tetrachloroethene	0.74	<0.11	<0.11	<0.11	2.7	0.49 J	5
Toluene	<0.18	<0.18	<0.18	<0.18	<0.36	<0.20	5
Trichloroethene	<0.11	1.4	<0.11	<0.11	<0.77 U	0.83	5
TOTAL VOCs	0.74	4.65	1.8	0	122.7	3.68	

NOTES:

Diffusion bags were deployed July 14, 2009 and were retrieved and sampled on July 28, 2009.

ND: Not Detected
NP: No Proposed SPDES Permit available
<...: Laboratory Detection Limit
BOLD: Value exceeds the SPDES Permit
D: Results are reported for the diluted samples.
U: Indicates the compound was analyzed but not detected.
J: Indicates an estimated value when a compound is detected at less than the specified detection limit.
UJ: Indicates compound is not detected and the associated quantitation limit is uncertain.
B: Indicates the analyte was found in the blank as well as in the sample.
E: Indicates the analyte concentration exceeds the calibration range of the instrument.
R: Indicates the data is unusable.
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999).

SUMMARY REPORT (Validated)
Lab: TestAmerica Laboratories, Inc.
Circuitron Corporation Superfund Site
Monitoring Wells Sampling: July 2009
Volatile Organics Results

Sample ID	CC-18-MW-5D-15	CC-18-MW-6S-15	CC-18-MW-6D-15	CC-18-MW-7S-15	CC-18-MW-7D-15	CC-18-MW-13-15	NY Water Quality
Lab Sample ID	220-9731-7	220-9731-8	220-9731-9	220-9731-10	220-9731-11	220-9731-12	Criteria
Sampling Date	07/28/2009	07/28/2009	07/28/2009	07/28/2009	07/28/2009	07/28/2009	
Volatiles (µg/L)							
1,1 Dichloroethane	<0.13	<0.13	0.41 J	<0.13	<0.13	<0.13	5
1,1 Dichloroethene	<0.19	<0.19	0.67	<0.19	0.57	<0.19	5
1,1,1 Trichloroethane	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	5
1,1,2 Trichloroethane	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	1
1,2 Dichloroethene (total)	<0.24	<0.24	0.27 J	<0.24	0.59	<0.24	5
Acetone	<2.9 U	<5.3 U	<2.2 U	<4.8 U	<1.6 U	<1.7 U	NP
Chloroform	<0.12	<0.12	0.19 J	<0.12	0.21 J	<0.12	7
Chloromethane	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NP
Methylene Chloride	<0.33 UJ	<0.27 U	<0.37 UJ	<0.21 UJ	<0.091 UJ	<0.21 UJ	5
Tetrachloroethene	<0.11	<0.11	0.42 J	<0.11	<0.11	<0.11	5
Toluene	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	5
Trichloroethene	<0.11	<0.20	0.99	<0.11	<0.51 U	<0.11	5
TOTAL VOCs	0	0	2.95	0	1.37	0	

NOTES:

Diffusion bags were deployed July 14, 2009 and were retrieved and sampled on July 28, 2009.

ND: Not Detected
NP: No Proposed SPDES Permit available
<...: Laboratory Detection Limit
BOLD: Value exceeds the SPDES Permit
D: Results are reported for the diluted samples.
U: Indicates the compound was analyzed but not detected.
J: Indicates an estimated value when a compound is detected at less than the specified detection limit.
UJ: Indicates compound is not detected and the associated quantitation limit is uncertain.
B: Indicates the analyte was found in the blank as well as in the sample.
E: Indicates the analyte concentration exceeds the calibration range of the instrument.
R: Indicates the data is unusable.
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999).

SUMMARY REPORT (Validated)
Lab: TestAmerica Laboratories, Inc.
Circuitron Corporation Superfund Site
Monitoring Wells Sampling: July 2009
Volatile Organics Results

Sample ID	CC-18-MW-14-15	CC-18-MW-15-15	CC-18-MW-16-15	CC-18-MW-17-15	CC-18-MW-18-15	CC-18-MW-19S-15	NY Water Quality
Lab Sample ID	220-9731-13	220-9731-14	220-9731-15	220-9731-16	220-9731-17	220-9731-18	Criteria
Sampling Date	07/28/2009	07/28/2009	07/28/2009	07/28/2009	07/28/2009	07/28/2009	
Volatiles (µg/L)							
1,1 Dichloroethane	<0.13	<0.13	<0.13	**17**	<0.13	0.28 J	5
1,1 Dichloroethene	<0.19	<0.20	<0.19	<0.19	<0.19	<0.19	5
1,1,1 Trichloroethane	<0.16	<0.16	<0.16	**8.1**	<0.16	<0.16	5
1,1,2 Trichloroethane	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	1
1,2 Dichloroethene (total)	<0.24	<0.24	<0.24	<0.24	<0.24	0.93 J	5
Acetone	<0.58 U	<1.6 U	<2.4 U	<0.96 U	< 3.2 U	<3.0 UJ	NP
Chloroform	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	7
Chloromethane	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NP
Methylene Chloride	<0.091 UJ	<0.091 UJ	<0.16 UJ	<0.14 UJ	<0.21 UJ	<0.091 UJ	5
Tetrachloroethene	<0.11	0.20 J	<0.11	<0.11	<0.11	<0.11	5
Toluene	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	5
Trichloroethene	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	5
TOTAL VOCs	0	0.20	0	25.1	0	1.21	

NOTES:

Diffusion bags were deployed July 14, 2009 and were retrieved and sampled on July 28, 2009.

ND: Not Detected
NP: No Proposed SPDES Permit available
<...: Laboratory Detection Limit
BOLD: Value exceeds the SPDES Permit
D: Results are reported for the diluted samples.
U: Indicates the compound was analyzed but not detected.
J: Indicates an estimated value when a compound is detected at less than the specified detection limit.
UJ: Indicates compound is not detected and the associated quantitation limit is uncertain.
B: Indicates the analyte was found in the blank as well as in the sample.
E: Indicates the analyte concentration exceeds the calibration range of the instrument.
R: Indicates the data is unusable.
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999).

SUMMARY REPORT (Validated)
Lab: TestAmerica Laboratories, Inc.
Circuitron Corporation Superfund Site
Monitoring Wells Sampling: July 2009
Volatile Organics Results

Sample ID	CC-18-MW-19D-15	CC-18-MW-19D-15-3	FIELD BLANK	TRIP BLANK	NY Water Quality
Lab Sample ID	220-9731-19	220-9731-20	220-9731-21	220-9731-22	Criteria
Sampling Date	07/28/2009	07/28/2009	07/28/2009	07/28/2009	
Volatiles (µg/L)					
1,1 Dichloroethane	3.8	3.6 J	<0.13	<0.13	5
1,1 Dichloroethene	**29 J**	**29 J**	<0.19	<0.19	5
1,1,1 Trichloroethane	**18**	**18**	<0.16	<0.16	5
1,1,2 Trichloroethane	<0.11	<0.11	<0.11	<0.11	1
1,2 Dichloroethene (total)	2.3 J	2.3 J	<0.24	<0.24	5
Acetone	<3.9 UJ	<4.8 UJ	<0.58 UJ	1.6 J	NP
Chloroform	1.5	1.5	<0.12	<0.12	7
Chloromethane	<0.20	<0.20	<0.20	<0.20	NP
Methylene Chloride	<0.23 UJ	<0.28 UJ	1.1 J	5.2 J	5
Tetrachloroethene	4.0	4.0	<0.11	<0.11	5
Toluene	<0.18	<0.18	<0.18	<0.18	5
Trichloroethene	**33**	**34 J**	0.14 J	<0.11	5
TOTAL VOCs	91.6	92.4	1.24	6.8	

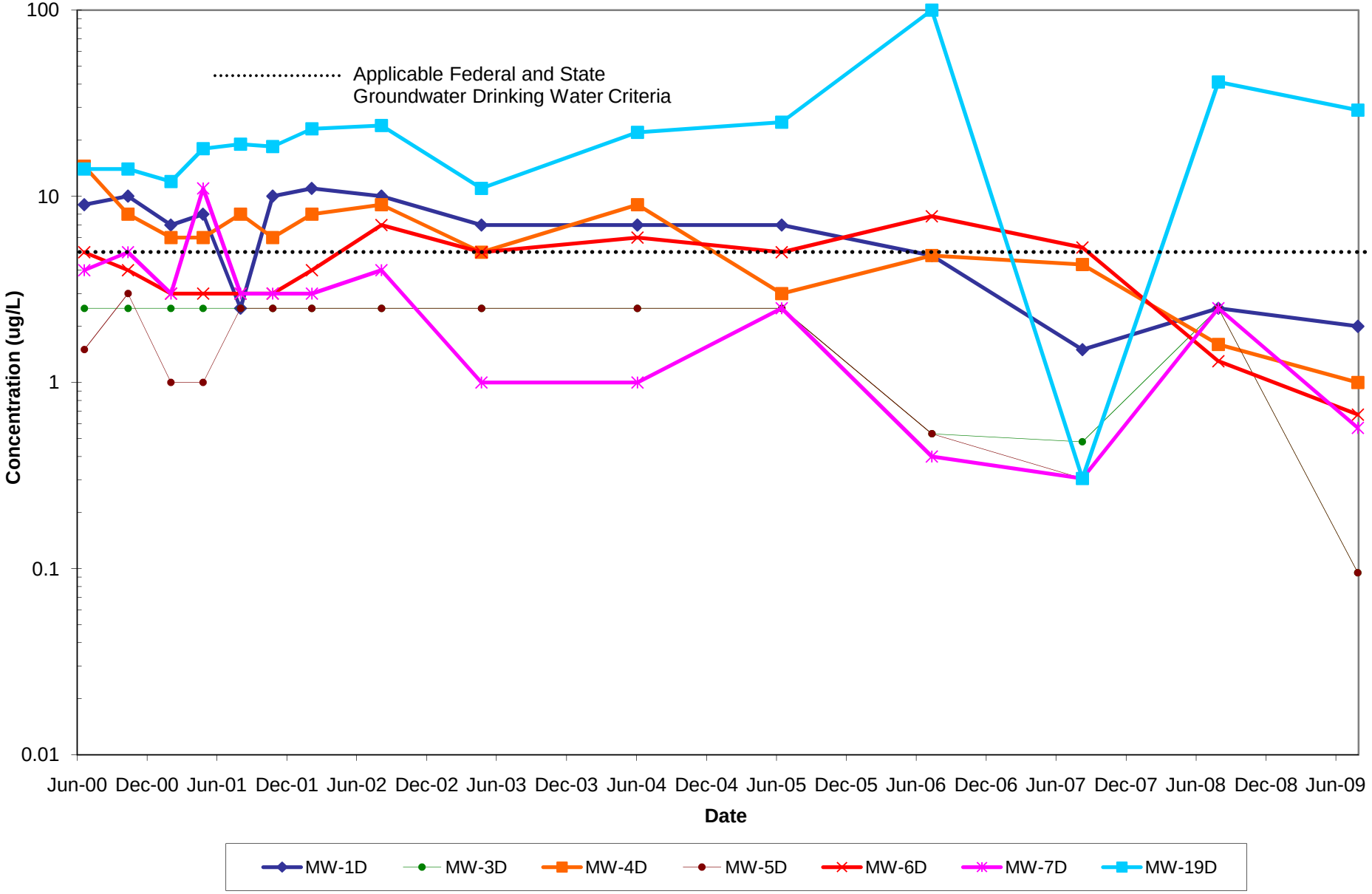
NOTES:

Diffusion bags were deployed July 14, 2009 and were retrieved and sampled on July 28, 2009.

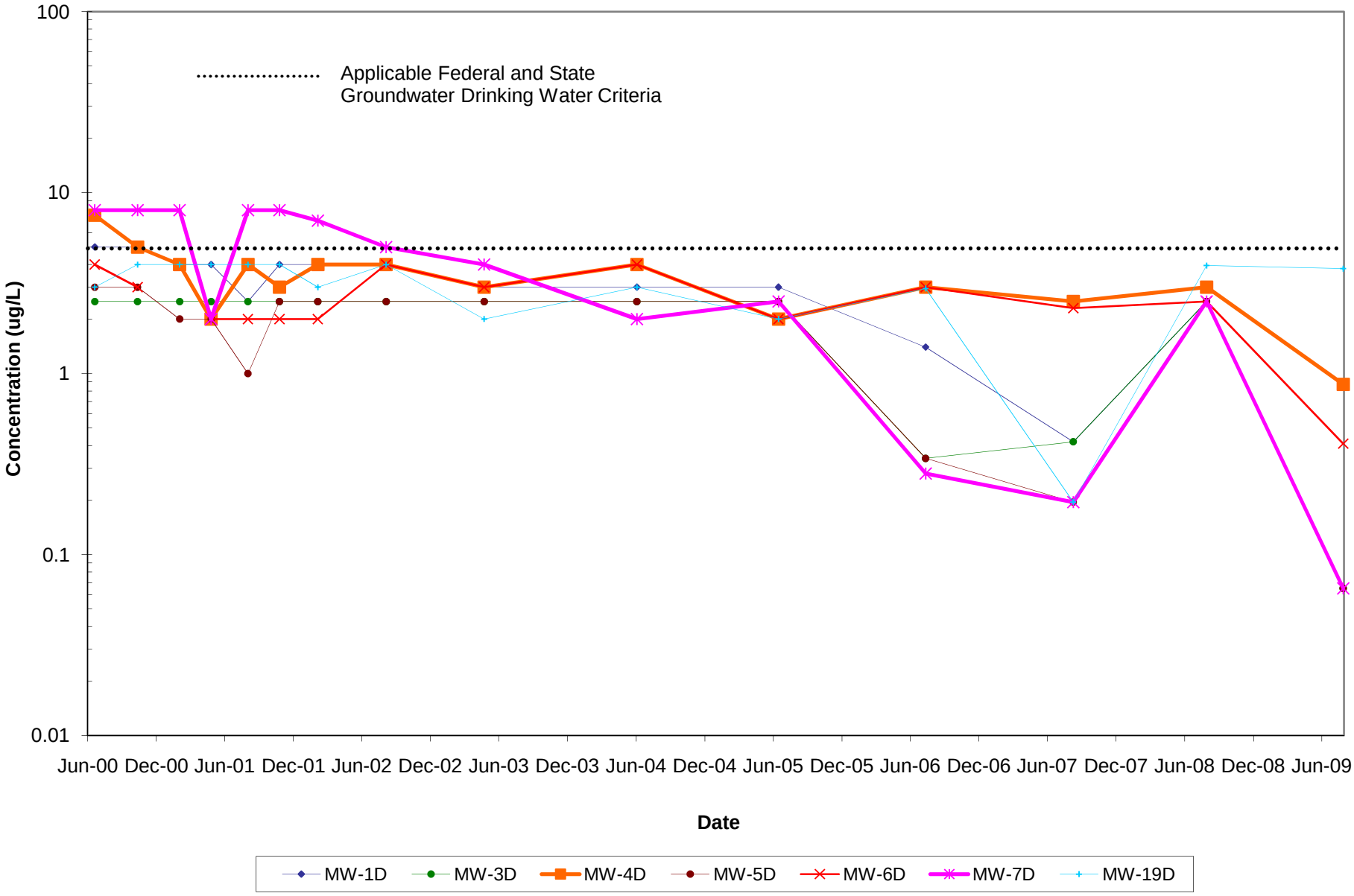
ND: Not Detected
NP: No Proposed SPDES Permit available
<...: Laboratory Detection Limit
BOLD: Value exceeds the SPDES Permit
D: Results are reported for the diluted samples.
U: Indicates the compound was analyzed but not detected.
J: Indicates an estimated value when a compound is detected at less than the specified detection limit.
UJ: Indicates compound is not detected and the associated quantitation limit is uncertain.
B: Indicates the analyte was found in the blank as well as in the sample.
E: Indicates the analyte concentration exceeds the calibration range of the instrument.
R: Indicates the data is unusable.
NY Water Quality Criteria: NYSDEC Regulation for Surface Waters and Groundwater, Section 703.5 (August 1999).

Appendix B
Time-Series Geochemical Graphs for Shallow and Deep Wells

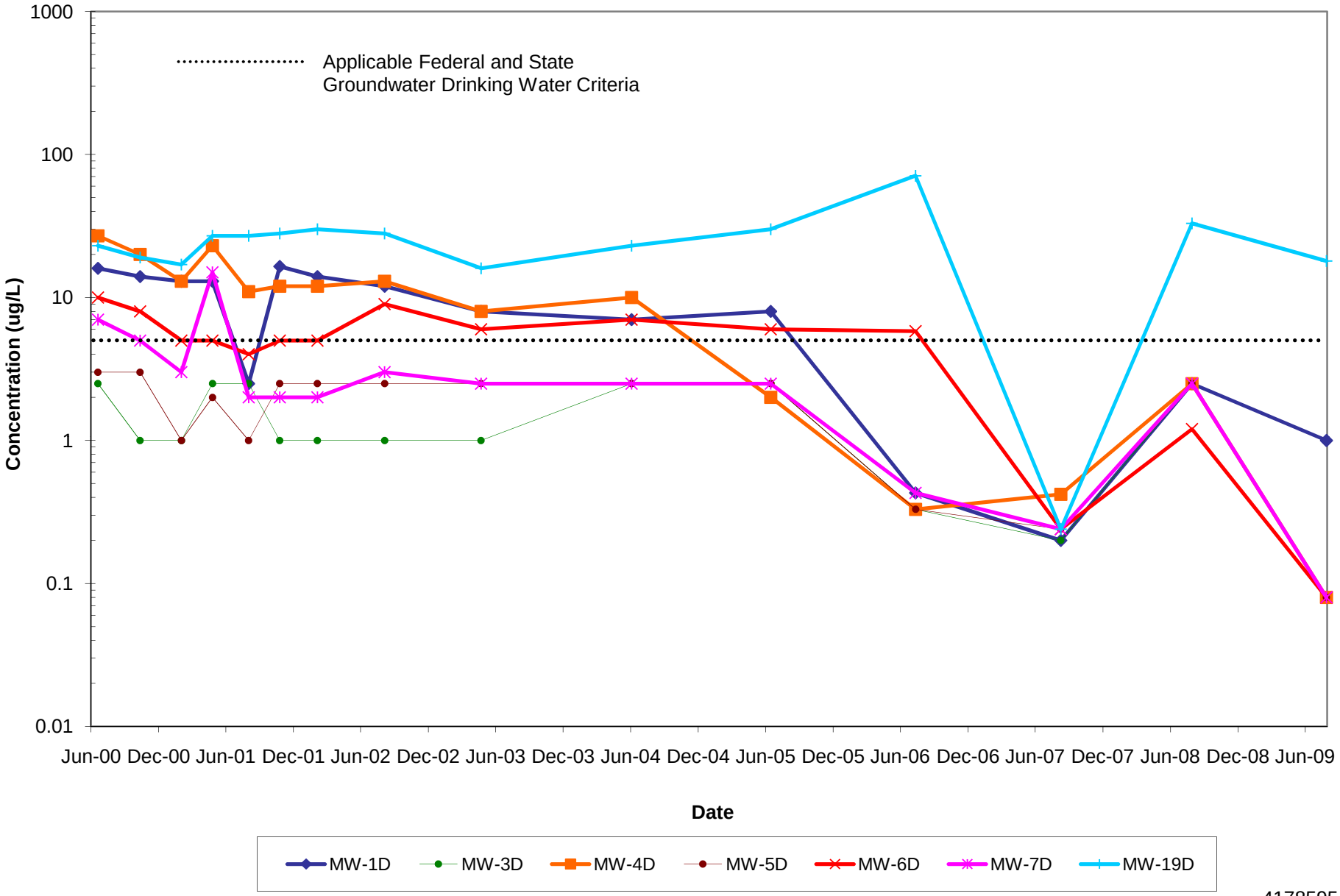
1,1-Dichloroethene Time-Series Graph
Deep Wells
CIRCUITRON CORPORATION SUPERFUND SITE



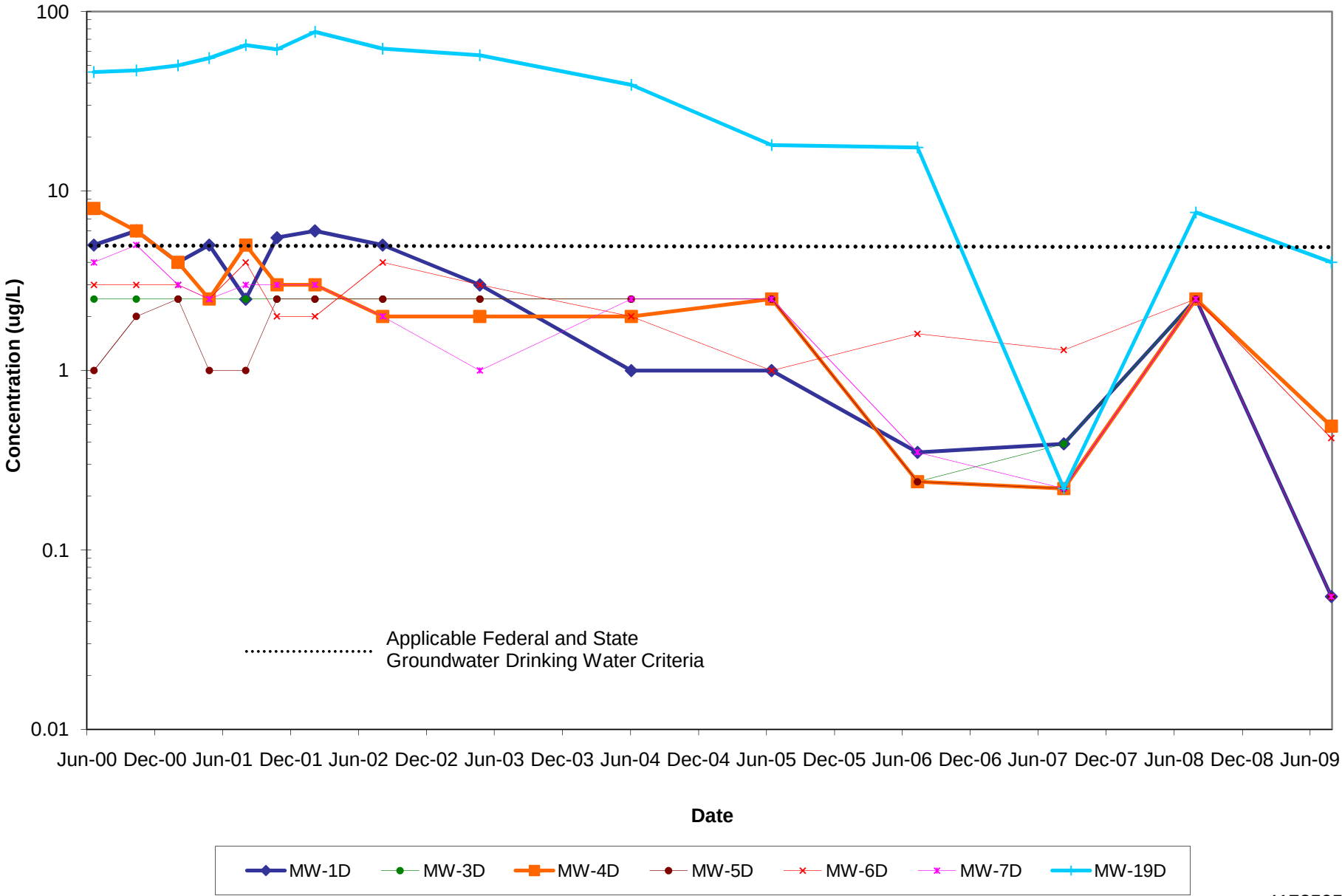
1,1-Dichloroethane Time-Series Graph
Deep Wells
CIRCUITRON CORPORATION SUPERFUND SITE



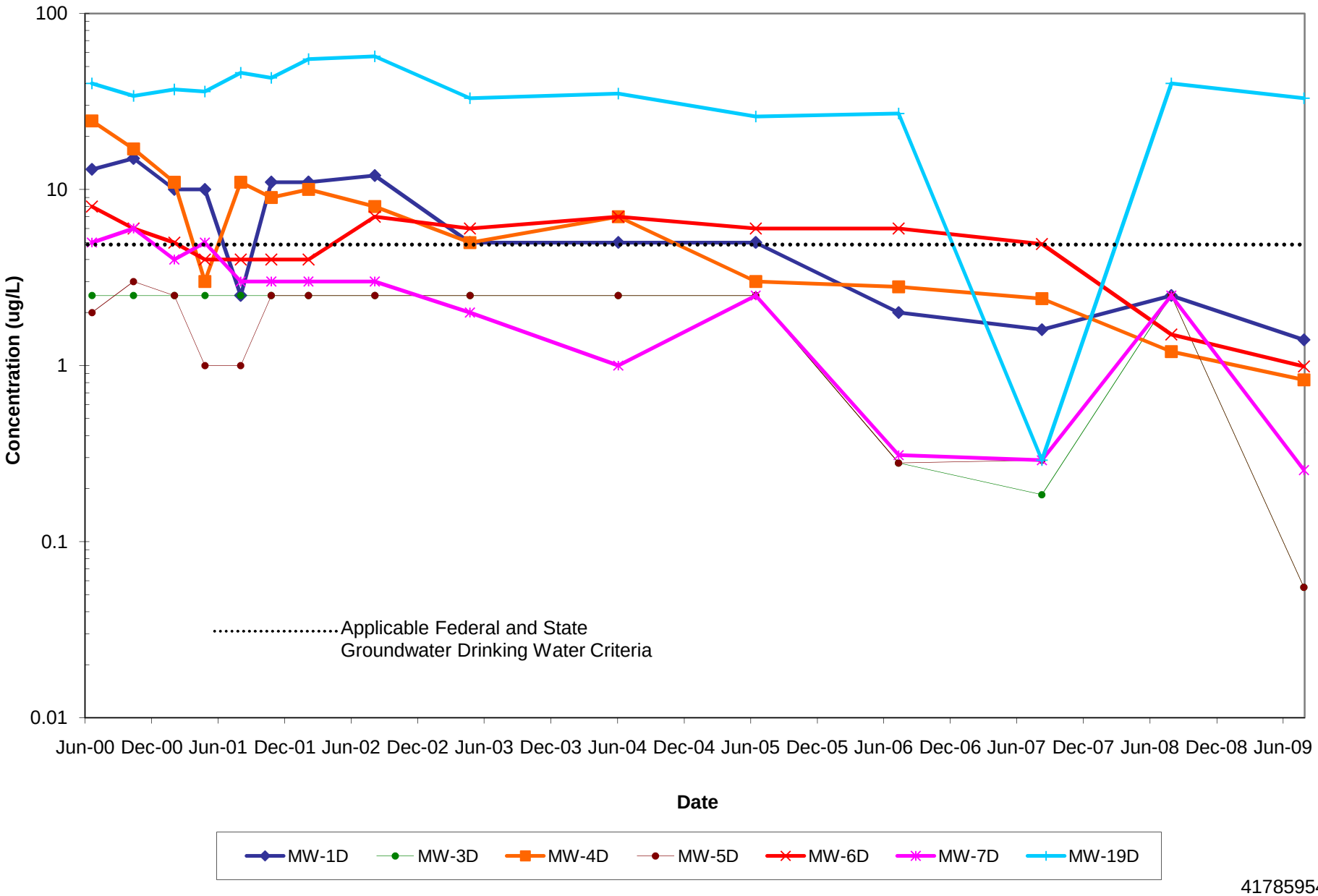
1,1,1-Trichloroethane Time-Series Graph
Deep Wells
CIRCUITRON CORPORATION SUPERFUND SITE



Tetrachloroethene Time-Series Graph
Deep Wells
CIRCUITRON CORPORATION SUPERFUND SITE



Trichloroethene Time-Series Graph
Deep Wells
CIRCUITRON CORPORATION SUPERFUND SITE



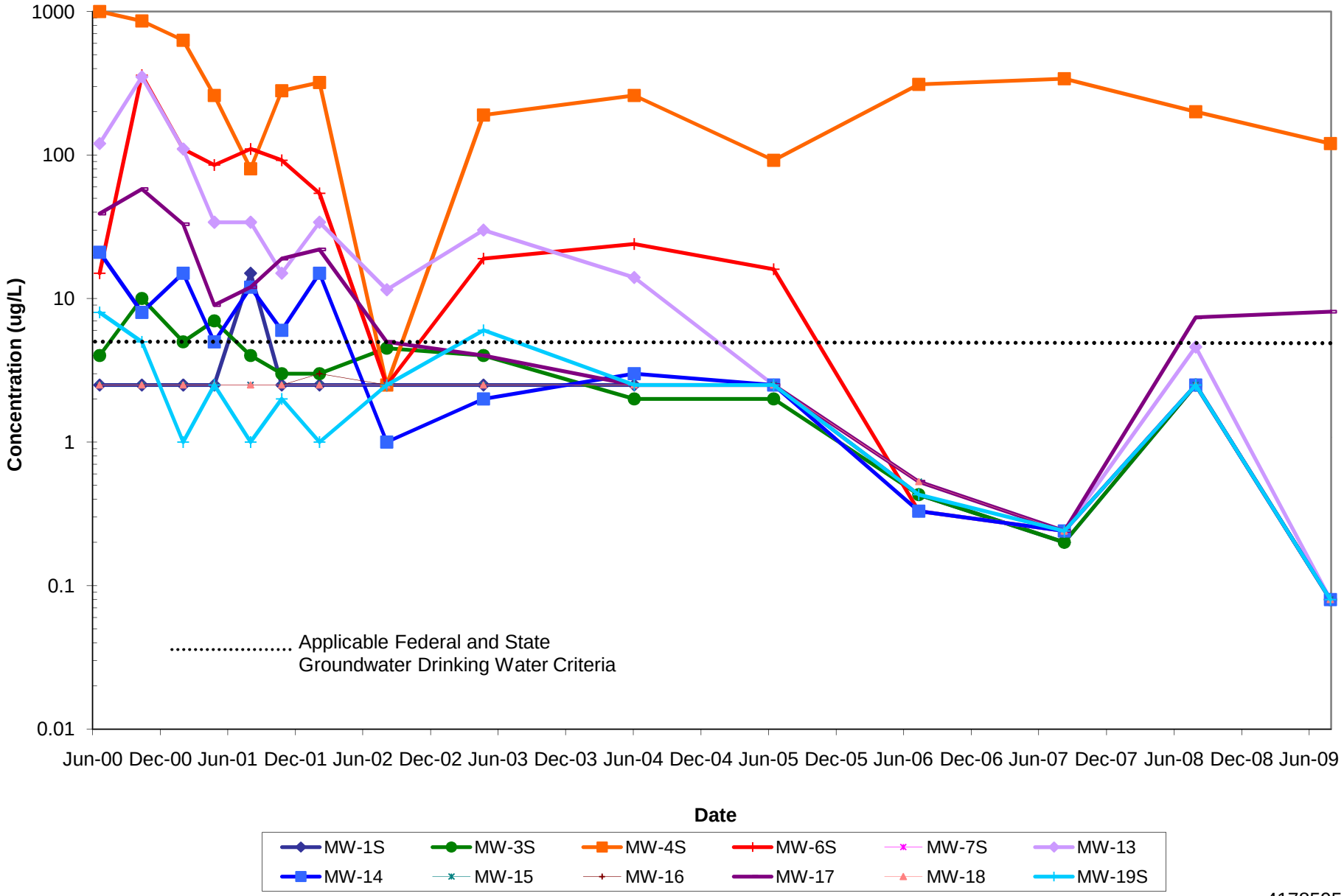
**** Note: Used half of the detection limit concentration when result was ND.

Analyte	LocID	6/20/2000	10/12/2000	2/1/2001	4/26/2001	8/2/2001	10/25/2001	2/4/2002	8/5/2002	4/23/2003	6/3/2004	6/15/2005	7/12/2006	8/9/2007	7/29/2008	7/28/2009
1,1 Dichloroethane	MW-1D	5	5	4	4	2.5	4	4	4	3	3	3	1.4	0.42	2.5	0.065
1,1 Dichloroethane	MW-3D	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.34	0.42	2.5	0.065
1,1 Dichloroethane	MW-4D	7.5	5	4	2	4	3	4	4	3	4	2	3	2.5	3	0.87
1,1 Dichloroethane	MW-5D	3	3	2	2	1	2.5	2.5	2.5	2.5	2.5	2.5	0.34	0.195	2.5	0.065
1,1 Dichloroethane	MW-6D	4	3		2	2	2	2	4	3	4	2	3	2.3	2.5	0.41
1,1 Dichloroethane	MW-7D	8	8	8	2	8	8	7	5	4	2	2.5	0.28	0.195	2.5	0.065
1,1 Dichloroethane	MW-19D	3	4	4	4	4	4	3	4	2	3	2	2.95	0.195	3.95	3.8
1,1 Dichloroethene	MW-1D	9	10	7	8	2.5	10	11	10	7	7	7	4.8	1.5	2.5	2
1,1 Dichloroethene	MW-3D	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.53	0.48	2.5	0.095
1,1 Dichloroethene	MW-4D	14.5	8	6	6	8	6	8	9	5	9	3	4.8	4.3	1.6	1
1,1 Dichloroethene	MW-5D	1.5	3	1	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.53	0.305	2.5	0.095
1,1 Dichloroethene	MW-6D	5	4	3	3	3	3	4	7	5	6	5	7.8	5.3	1.3	0.67
1,1 Dichloroethene	MW-7D	4	5	3	11	3	3	3	4	1	1	2.5	0.4	0.305	2.5	0.57
1,1 Dichloroethene	MW-19D	14	14	12	18	19	18.5	23	24	11	22	25	100	0.305	41	29
1,1,1 Trichloroethane	MW-1D	16	14	13	13	2.5	16.5	14	12	8	7	8	0.43	0.2	2.5	1
1,1,1 Trichloroethane	MW-3D	2.5	1	1	2.5	2.5	1	1	1	1	2.5	2.5	0.33	0.2	2.5	0.08
1,1,1 Trichloroethane	MW-4D	27	20	13	23	11	12	12	13	8	10	2	0.33	0.42	2.5	0.08
1,1,1 Trichloroethane	MW-5D	3	3	1	2	1	2.5	2.5	2.5	2.5	2.5	2.5	0.33	0.24	2.5	0.08
1,1,1 Trichloroethane	MW-6D	10	8	5	5	4	5	5	9	6	7	6	5.8	0.24	1.2	0.08
1,1,1 Trichloroethane	MW-7D	7	5	3	15	2	2	2	3	2.5	2.5	2.5	0.43	0.24	2.5	0.08
1,1,1 Trichloroethane	MW-19D	23	19	17	27	27	28	30	28	16	23	30	71	0.24	33	18
Tetrachloroethene	MW-1D	5	6	4	5	2.5	5.5	6	5	3	1	1	0.35	0.39	2.5	0.055
Tetrachloroethene	MW-3D	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.24	0.39	2.5	0.055
Tetrachloroethene	MW-4D	8	6	4	2.5	5	3	3	2	2	2	2.5	0.24	0.22	2.5	0.49
Tetrachloroethene	MW-5D	1	2	2.5	1	1	2.5	2.5	2.5	2.5	2.5	2.5	0.24	0.22	2.5	0.055
Tetrachloroethene	MW-6D	3	3	3	2.5	4	2	2	4	3	2	1	1.6	1.3	2.5	0.42
Tetrachloroethene	MW-7D	4	5	3	2.5	3	3	3	2	1	2.5	2.5	0.35	0.22	2.5	0.055
Tetrachloroethene	MW-19D	46	47	50	55	65	61.5	77	62	57	39	18	17.5	0.22	7.6	4
Trichloroethene	MW-1D	13	15	10	10	2.5	11	11	12	5	5	5	2	1.6	2.5	1.4
Trichloroethene	MW-3D	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.28	0.185	2.5	0.055
Trichloroethene	MW-4D	24.5	17	11	3	11	9	10	8	5	7	3	2.8	2.4	1.2	0.83
Trichloroethene	MW-5D	2	3	2.5	1	1	2.5	2.5	2.5	2.5	2.5	2.5	0.28	0.29	2.5	0.055
Trichloroethene	MW-6D	8	6	5	4	4	4	4	7	6	7	6	6	4.9	1.5	0.99
Trichloroethene	MW-7D	5	6	4	5	3	3	3	3	2	1	2.5	0.31	0.29	2.5	0.3
Trichloroethene	MW-19D	40	34	37	36	46	43	55	57	33	35	26	27	0.29	40	33

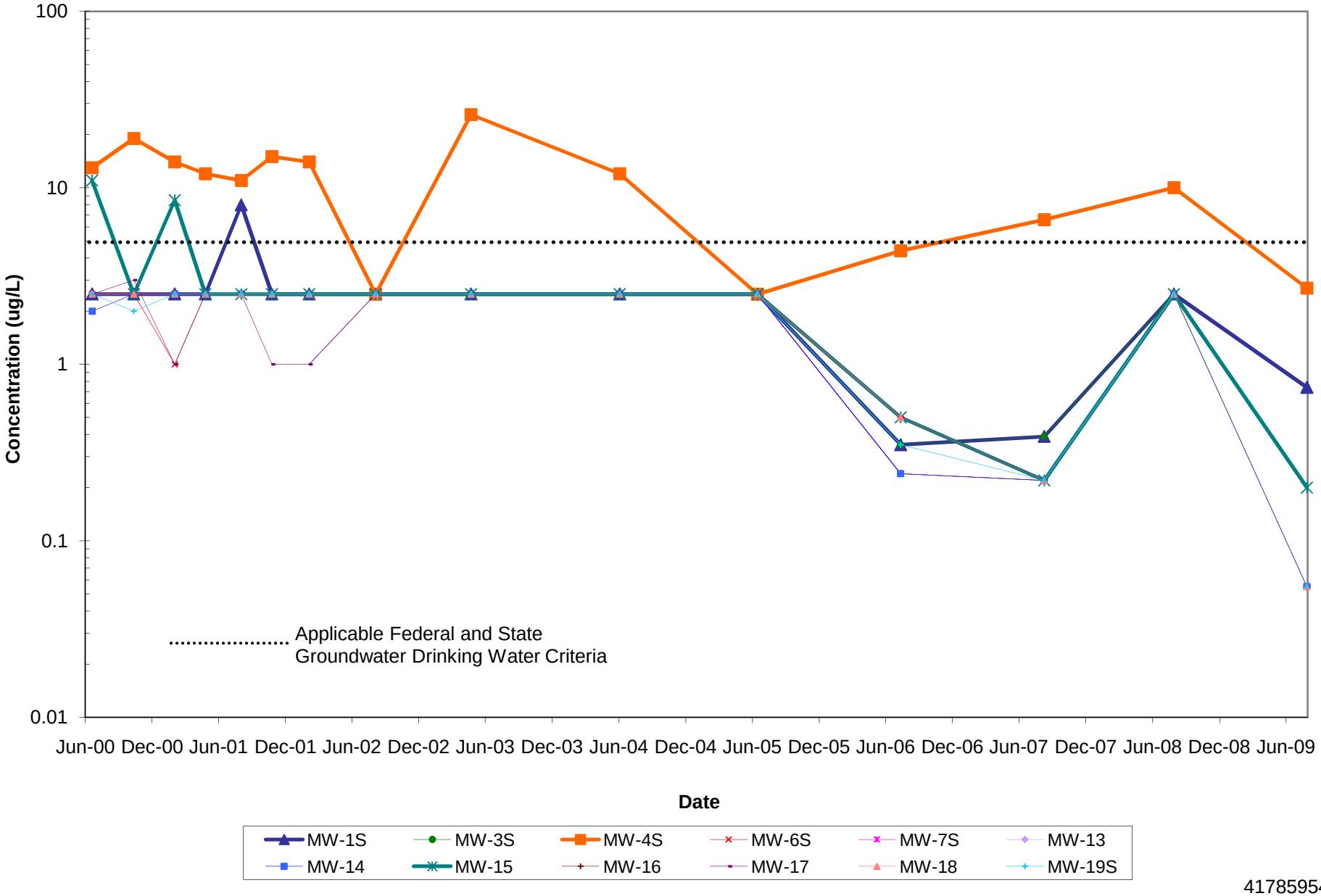
	1d	3d	4d	5d	6d	7d	19d
1,1 Dichloroethane	0.065	0.065	0.87	0.065	0.41	0.065	3.8
1,1 Dichloroethene	2	0.095	1	0.095	0.67	0.57	**29**
1,1,1 Trichloroethane	1	0.08	0.08	0.08	0.08	0.08	**18**
Tetrachloroethene	0.055	0.055	0.49	0.055	0.42	0.055	**4**
Trichloroethene	1.4	0.055	0.83	0.055	0.99	0.255	**33**
1,1,2 Trichloroethane	0.055	0.055	0.055	0.055	0.055	0.055	0.055
1,2 Dichloroethene (total)	0.12	0.12	0.49	0.12	0.27	0.59	2.3

**** Note: Used half of the detection limit concentration when result was ND.

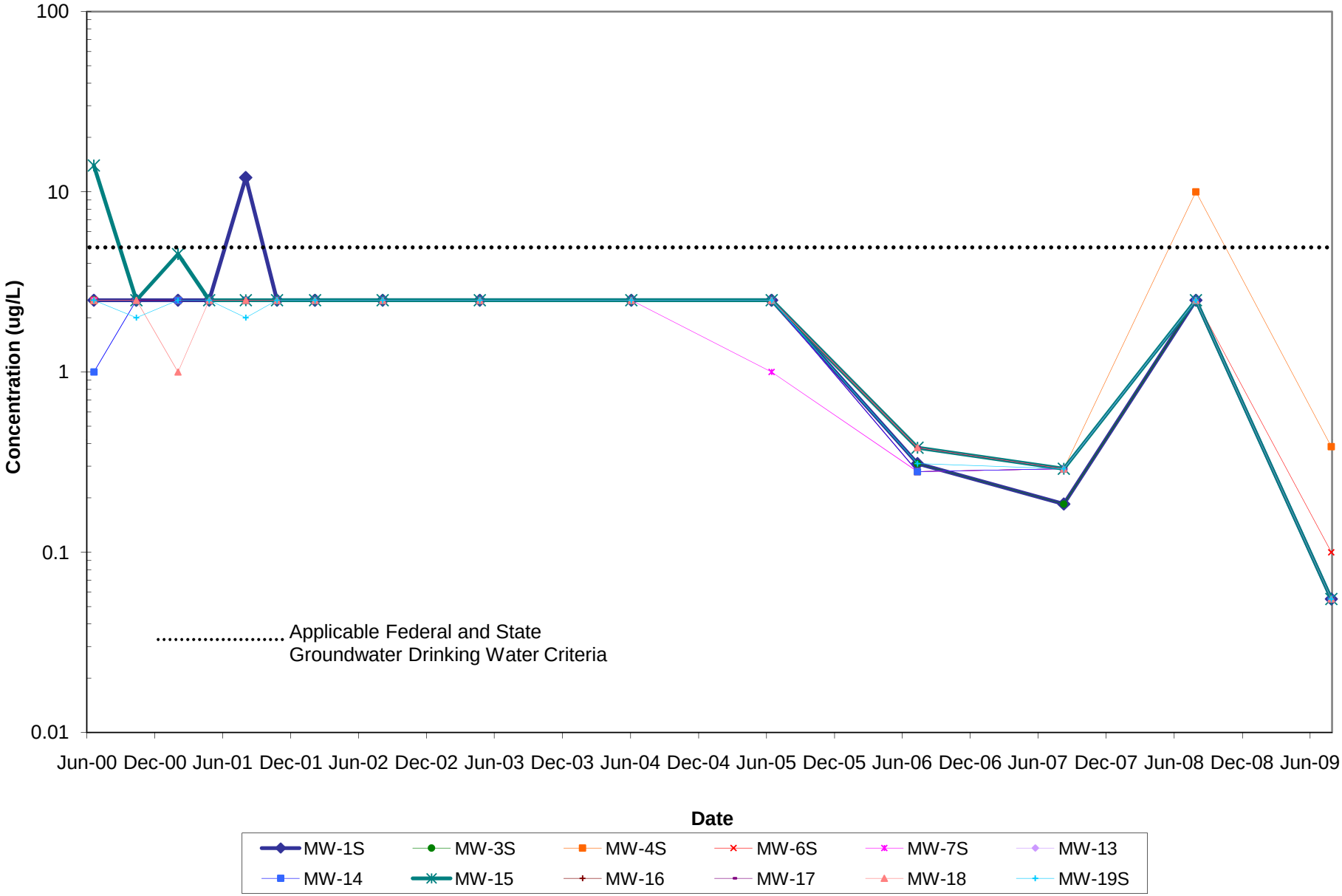
1,1,1-Trichloroethane Time-Series Graph
Shallow Wells
CIRCUITRON CORPORATION SUPERFUND SITE



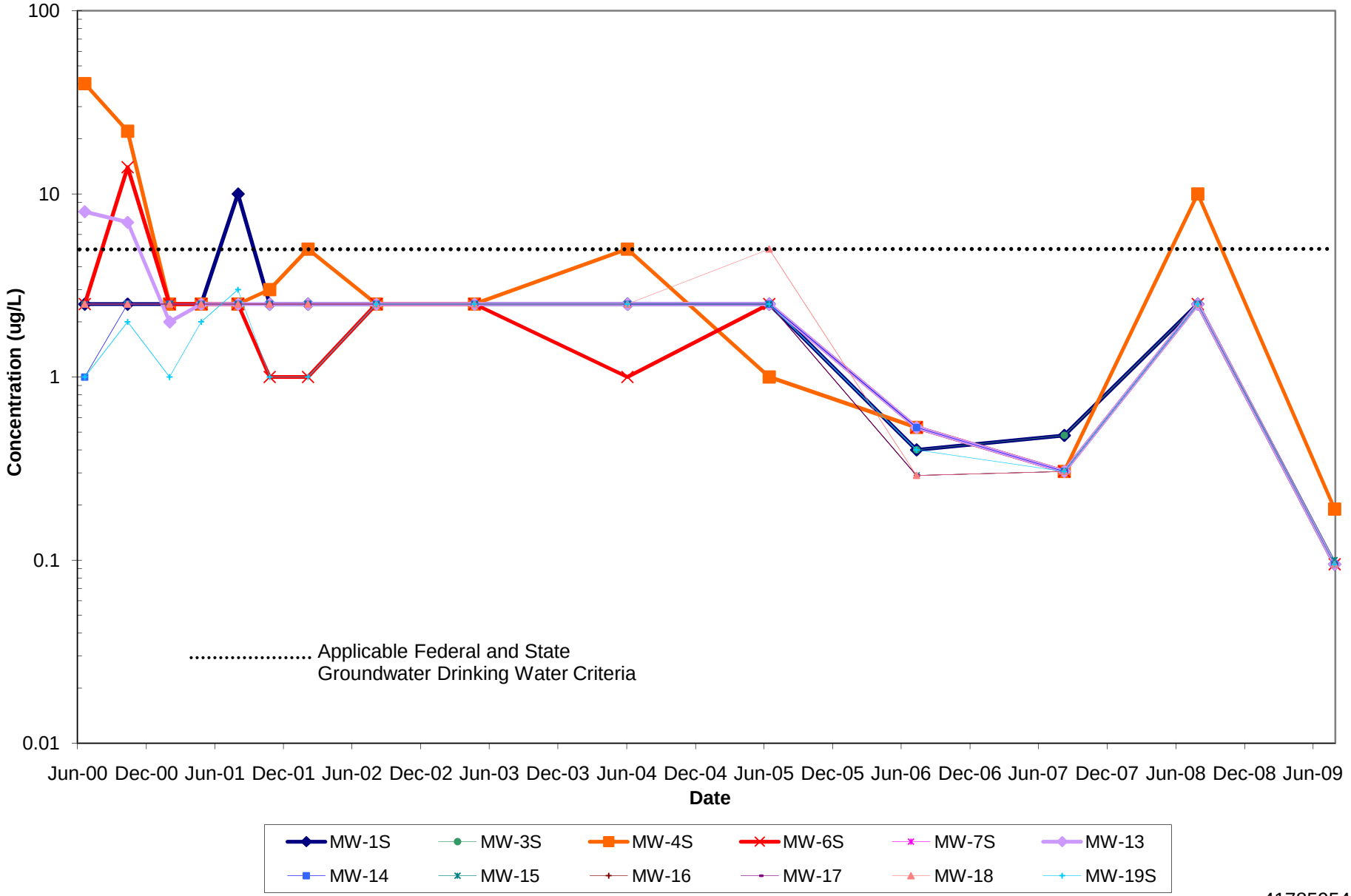
Tetrachloroethene Time-Series Graph
Shallow Wells
CIRCUITRON CORPORATION SUPERFUND SITE



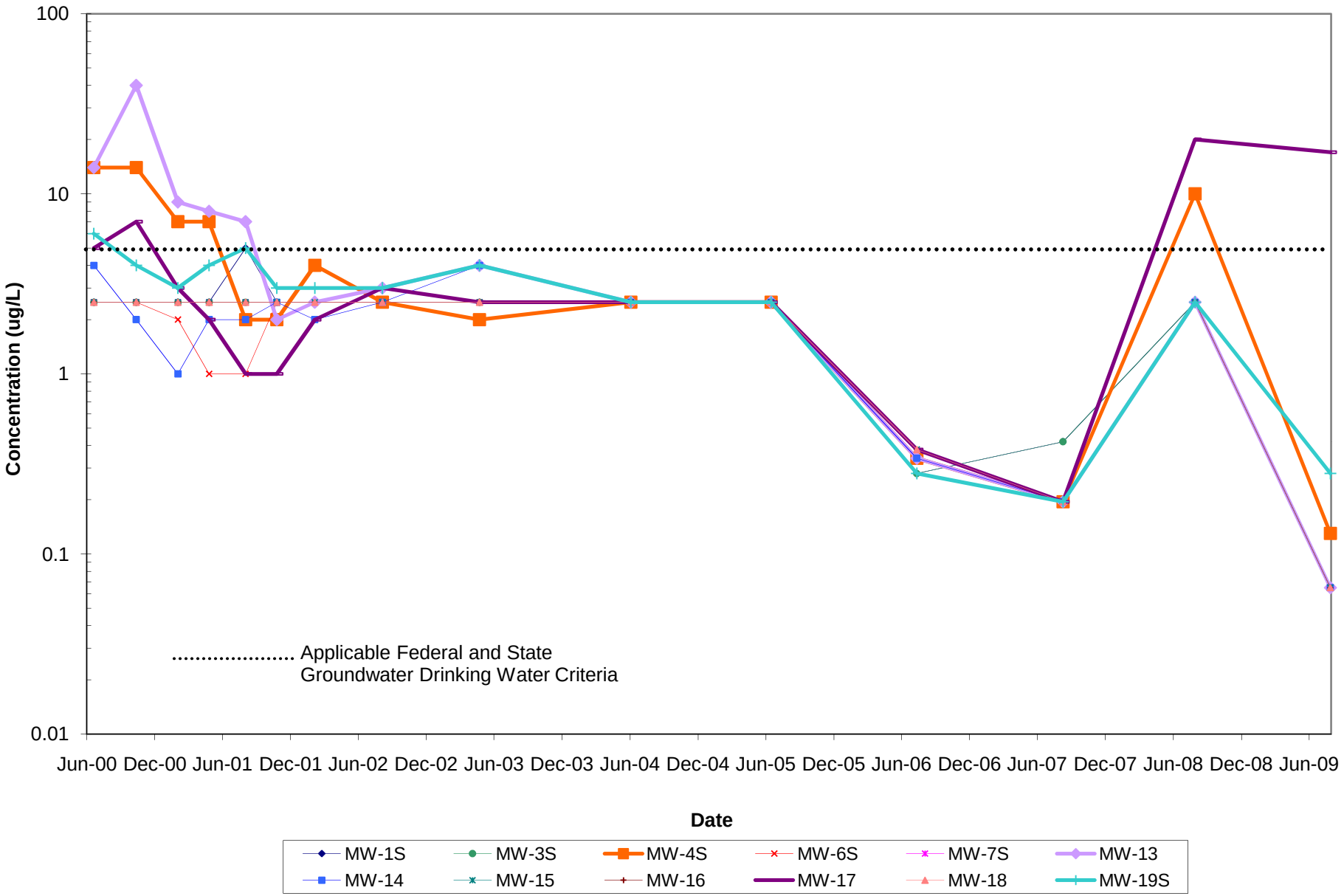
Trichloroethene Time-Series Graph
Shallow Wells
CIRCUITRON CORPORATION SUPERFUND SITE



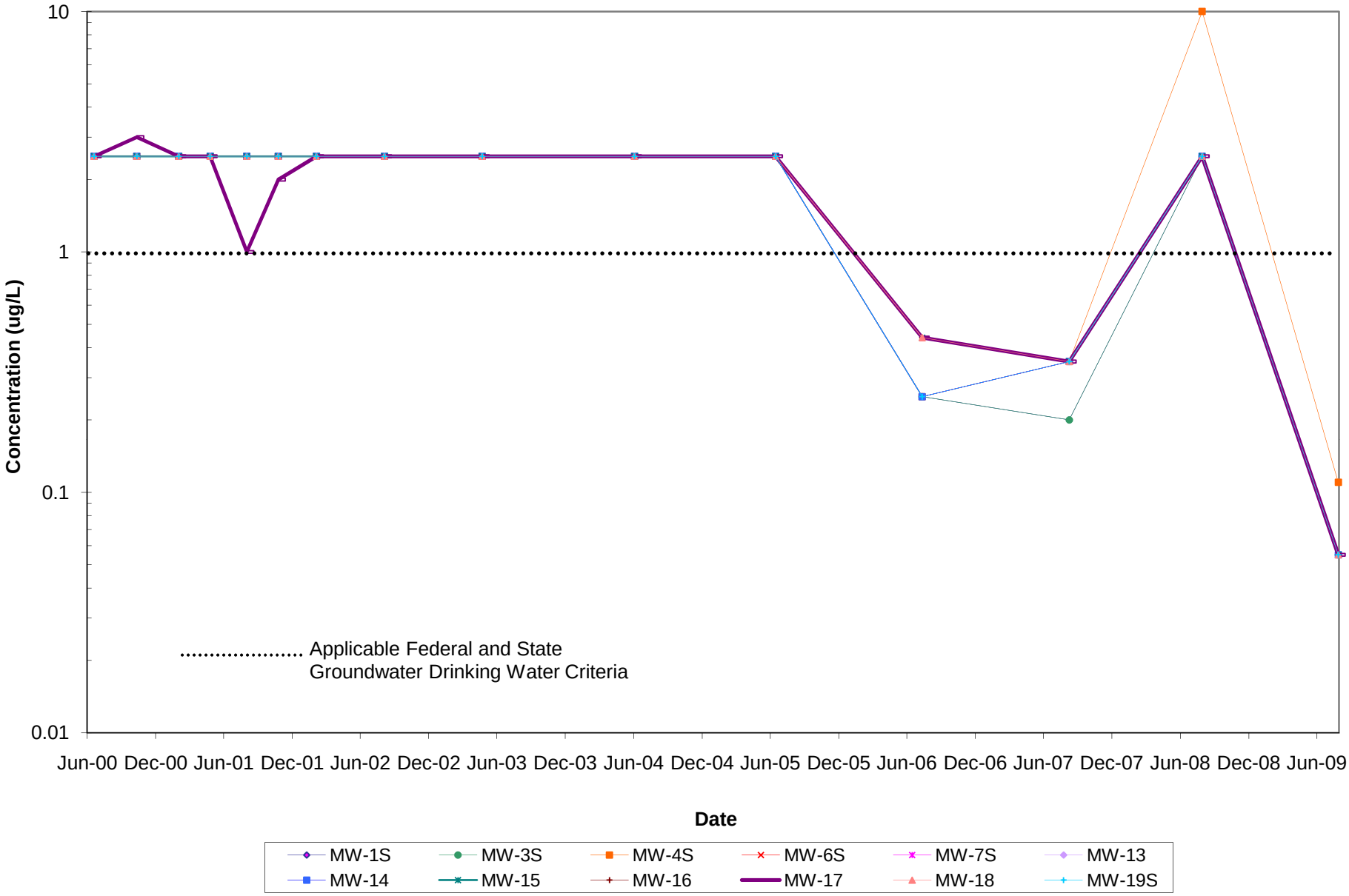
1,1-Dichloroethene Time-Series Graph
Shallow Wells
CIRCUITRON CORPORATION SUPERFUND SITE



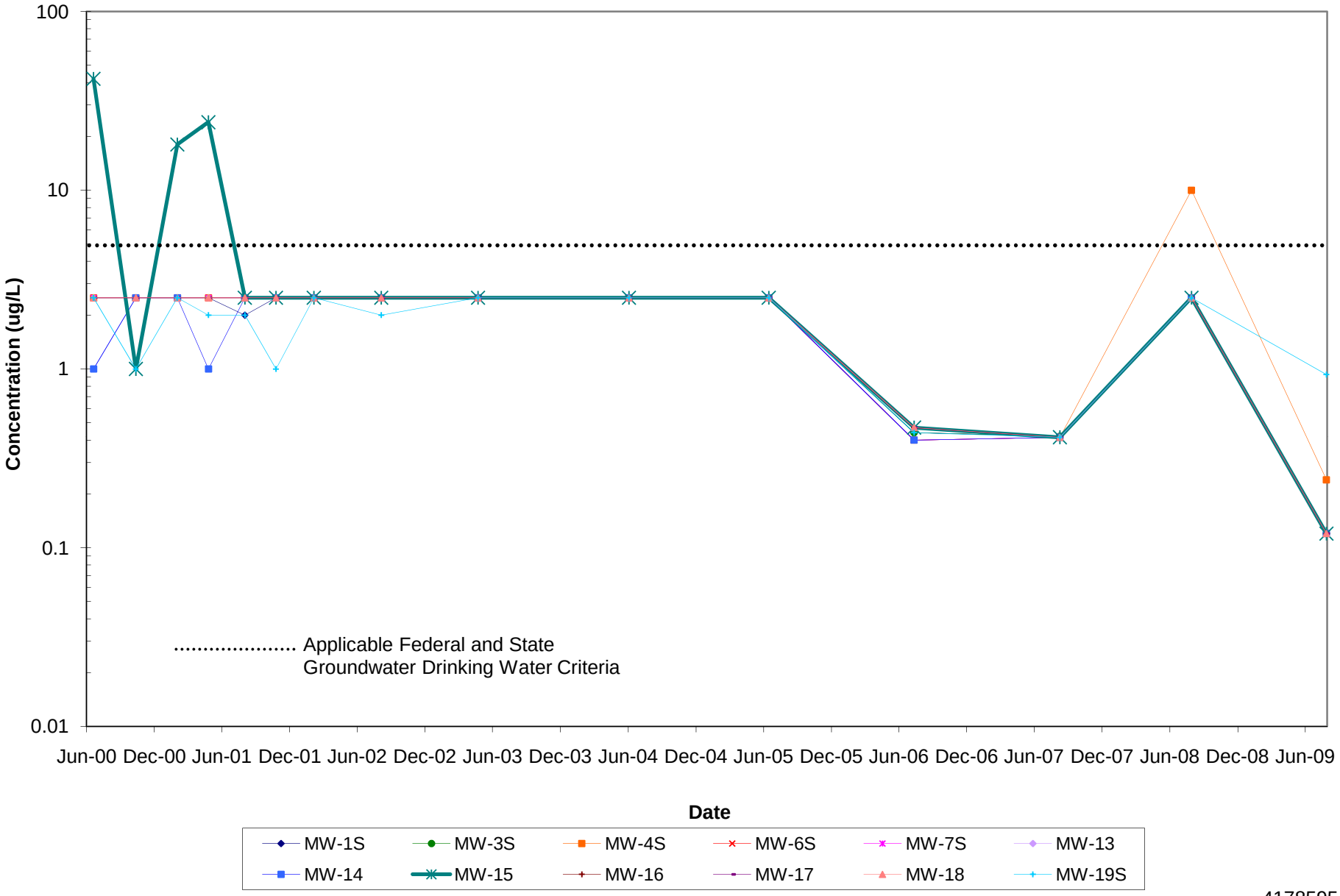
1,1-Dichloroethane Time-Series Graph
Shallow Wells
CIRCUITRON CORPORATION SUPERFUND SITE



1,1,2 Trichloroethane Time-Series Graph
Shallow Wells
CIRCUITRON CORPORATION SUPERFUND SITE



1,2 Dichloroethene (total) Time-Series Graph
Shallow Wells
CIRCUITRON CORPORATION SUPERFUND SITE



**** Note: Used half of the detection limit concentration when result was ND.

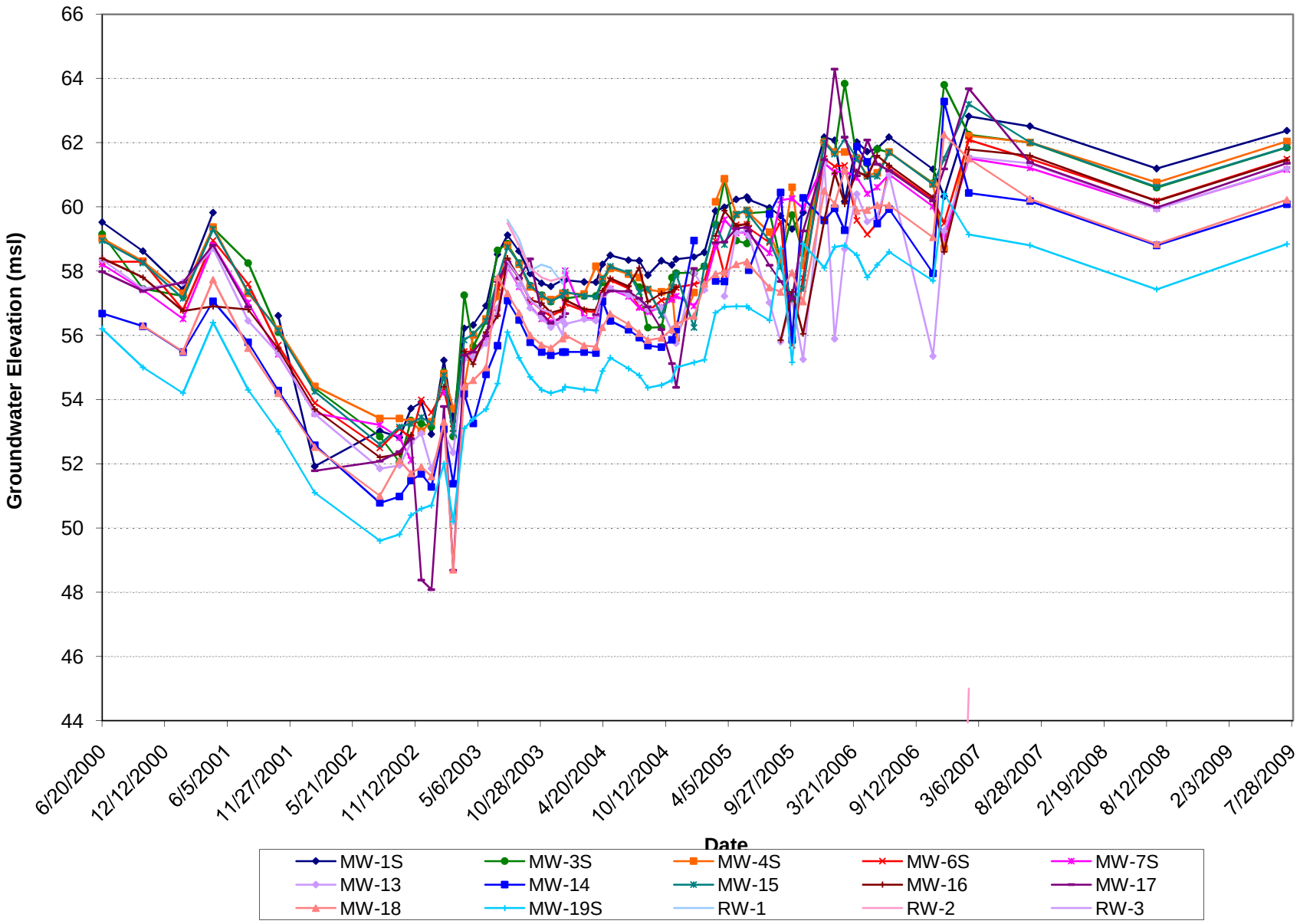
Analyte	LocID	6/20/2000	10/12/2000	2/1/2001	4/26/2001	8/2/2001	10/25/2001	2/4/2002	8/5/2002	4/23/2003	6/3/2004	6/15/2005	7/12/2006	8/9/2007	7/29/2008	7/28/2009
1,1 Dichloroethane	MW-1S	2.5	2.5	2.5	2.5	5	2.5	2.5	2.5	2.5	2.5	2.5	0.28	0.42	2.5	0.065
1,1 Dichloroethane	MW-3S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.28	0.42	2.5	0.065
1,1 Dichloroethane	MW-4S	14	14	7	7	2	2	4	2.5	2	2.5	2.5	0.34	0.195	10	0.13
1,1 Dichloroethane	MW-6S	2.5	2.5	2	1	1	2.5	2.5	2.5	2.5	2.5	2.5	0.34	0.195	2.5	0.065
1,1 Dichloroethane	MW-7S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.34	0.195	2.5	0.065
1,1 Dichloroethane	MW-13	14	40	9	8	7	2	2.5	3	4	2.5	2.5	0.34	0.195	2.5	0.065
1,1 Dichloroethane	MW-14	4	2	1	2	2	2.5	2	2.5	4	2.5	2.5	0.34	0.195	2.5	0.065
1,1 Dichloroethane	MW-15	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.38	0.195	2.5	0.065
1,1 Dichloroethane	MW-16	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.38	0.195	2.5	0.065
1,1 Dichloroethane	MW-17	5	7	3	2	1	1	2	3	2.5	2.5	2.5	0.38	0.195	20	17
1,1 Dichloroethane	MW-18	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.38	0.195	2.5	0.065
1,1 Dichloroethane	MW-19S	6	4	3	4	5	3	3	3	4	2.5	2.5	0.28	0.195	2.5	0.28
1,1 Dichloroethene	MW-1S	2.5	2.5	2.5	2.5	10	2.5	2.5	2.5	2.5	2.5	2.5	0.4	0.48	2.5	0.095
1,1 Dichloroethene	MW-3S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.4	0.48	2.5	0.095
1,1 Dichloroethene	MW-4S	40	22	2.5	2.5	2.5	3	5	2.5	2.5	5	1	0.53	0.305	10	0.19
1,1 Dichloroethene	MW-6S	2.5	14	2.5	2.5	2.5	1	1	2.5	2.5	1	2.5	0.53	0.305	2.5	0.095
1,1 Dichloroethene	MW-7S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.53	0.305	2.5	0.095
1,1 Dichloroethene	MW-13	8	7	2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.53	0.305	2.5	0.095
1,1 Dichloroethene	MW-14	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.53	0.305	2.5	0.095
1,1 Dichloroethene	MW-15	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.29	0.305	2.5	0.1
1,1 Dichloroethene	MW-16	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.29	0.305	2.5	0.095
1,1 Dichloroethene	MW-17	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.29	0.305	2.5	0.095
1,1 Dichloroethene	MW-18	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5	0.29	0.305	2.5	0.095
1,1 Dichloroethene	MW-19S	1	2	1	2	3	1	1	2.5	2.5	2.5	2.5	0.4	0.305	2.5	0.095
1,1,1 Trichloroethane	MW-1S	2.5	2.5	2.5	2.5	15	2.5	2.5	2.5	2.5	2.5	2.5	0.43	0.2	2.5	0.08
1,1,1 Trichloroethane	MW-3S	4	10	5	7	4	3	3	4.5	4	2	2	0.43	0.2	2.5	0.08
1,1,1 Trichloroethane	MW-4S	1000	860	630	260	80	280	320	2.5	190	260	92	310	340	200	120
1,1,1 Trichloroethane	MW-6S	15	360	110	85	110	92	54	2.5	19	24	16	0.33	0.24	2.5	0.08
1,1,1 Trichloroethane	MW-7S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.33	0.24	2.5	0.08
1,1,1 Trichloroethane	MW-13	120	350	110	34	34	15	34	11.5	30	14	2.5	0.33	0.24	4.6	0.08
1,1,1 Trichloroethane	MW-14	21	8	15	5	12	6	15	1	2	3	2.5	0.33	0.24	2.5	0.08
1,1,1 Trichloroethane	MW-15	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.53	0.24	2.5	0.08
1,1,1 Trichloroethane	MW-16	2.5	2.5	2.5	2.5	2.5	2.5	3	2.5	2.5	2.5	2.5	0.53	0.24	2.5	0.08
1,1,1 Trichloroethane	MW-17	39	58	33	9	12	19	22	5	4	2.5	2.5	0.53	0.24	7.4	8.1
1,1,1 Trichloroethane	MW-18	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.53	0.24	2.5	0.08
1,1,1 Trichloroethane	MW-19S	8	5	1	2.5	1	2	1	2.5	6	2.5	2.5	0.43	0.24	2.5	0.08
Tetrachloroethene	MW-1S	2.5	2.5	2.5	2.5	8	2.5	2.5	2.5	2.5	2.5	2.5	0.35	0.39	2.5	0.74
Tetrachloroethene	MW-3S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.35	0.39	2.5	0.055
Tetrachloroethene	MW-4S	13	19	14	12	11	15	14	2.5	26	12	2.5	4.4	6.6	10	2.7
Tetrachloroethene	MW-6S	2.5	2.5	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.24	0.22	2.5	0.055
Tetrachloroethene	MW-7S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.24	0.22	2.5	0.055
Tetrachloroethene	MW-13	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.24	0.22	2.5	0.055
Tetrachloroethene	MW-14	2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.24	0.22	2.5	0.055
Tetrachloroethene	MW-15	11	2.5	8.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.5	0.22	2.5	0.2
Tetrachloroethene	MW-16	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.5	0.22	2.5	0.055
Tetrachloroethene	MW-17	2.5	3	1	2.5	2.5	1	1	2.5	2.5	2.5	2.5	0.5	0.22	2.5	0.055
Tetrachloroethene	MW-18	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.5	0.22	2.5	0.055
Tetrachloroethene	MW-19S	2.5	2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.35	0.22	2.5	0.055
Trichloroethene	MW-1S	2.5	2.5	2.5	2.5	12	2.5	2.5	2.5	2.5	2.5	2.5	0.31	0.185	2.5	0.055
Trichloroethene	MW-3S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.31	0.185	2.5	0.055
Trichloroethene	MW-4S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.28	0.29	10	0.385
Trichloroethene	MW-6S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.28	0.29	2.5	0.1
Trichloroethene	MW-7S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1	0.28	0.29	2.5	0.055
Trichloroethene	MW-13	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.28	0.29	2.5	0.055
Trichloroethene	MW-14	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.28	0.29	2.5	0.055
Trichloroethene	MW-15	14	2.5	4.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.38	0.29	2.5	0.055
Trichloroethene	MW-16	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.38	0.29	2.5	0.055
Trichloroethene	MW-17	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.38	0.29	2.5	0.055
Trichloroethene	MW-18	2.5	2.5	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.38	0.29	2.5	0.055
Trichloroethene	MW-19S	2.5	2	2.5	2.5	2	2.5	2.5	2.5	2.5	2.5	2.5	0.31	0.29	2.5	0.055
1,1,2 Trichloroethane	MW-1S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.25	0.2	2.5	0.055
1,1,2 Trichloroethane	MW-3S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.25	0.2	2.5	0.055
1,1,2 Trichloroethane	MW-4S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.25	0.35	10	0.11
1,1,2 Trichloroethane	MW-6S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.25	0.35	2.5	0.055
1,1,2 Trichloroethane	MW-7S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.25	0.35	2.5	0.055
1,1,2 Trichloroethane	MW-13	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.25	0.35	2.5	0.055
1,1,2 Trichloroethane	MW-14	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.25	0.35	2.5	0.055
1,1,2 Trichloroethane	MW-15	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.44	0.35	2.5	0.055
1,1,2 Trichloroethane	MW-16	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.44	0.35	2.5	0.055
1,1,2 Trichloroethane	MW-17	2.5	3	2.5	2.5	1	2	2.5	2.5	2.5	2.5	2.5	0.44	0.35	2.5	0.055
1,1,2 Trichloroethane	MW-18	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.44	0.35	2.5	0.055
1,1,2 Trichloroethane	MW-19S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.25	0.35	2.5	0.055
1,2 Dichloroethene (total)	MW-1S	2.5	2.5	2.5	2.5	2	2.5	2.5	2.5	2.5	2.5	2.5	0.44	0.42	2.5	0.12
1,2 Dichloroethene (total)	MW-3S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.44	0.42	2.5	0.12
1,2 Dichloroethene (total)	MW-4S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.4	0.415	10	0.24
1,2 Dichloroethene (total)	MW-6S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.4	0.415	2.5	0.12
1,2 Dichloroethene (total)	MW-7S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.4	0.415	2.5	0.12
1,2 Dichloroethene (total)	MW-13	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.4	0.415	2.5	0.12
1,2 Dichloroethene (total)	MW-14	1	2.5	2.5	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.4	0.415	2.5	0.12
1,2 Dichloroethene (total)	MW-15	42	1	18	24	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.47	0.415	2.5	0.12
1,2 Dichloroethene (total)	MW-16	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.47	0.415	2.5	0.12
1,2 Dichloroethene (total)	MW-17	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.47	0.415	2.5	0.12
1,2 Dichloroethene (total)	MW-18	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.47	0.415	2.5	0.12
1,2 Dichloroethene (total)	MW-19S	2.5	1	2.5	2	2	1	2.5	2	2.5	2.5	2.5	0.44	0.415	2.5	0.93

**** Note: Used half of the detection limit concentration when result was ND.

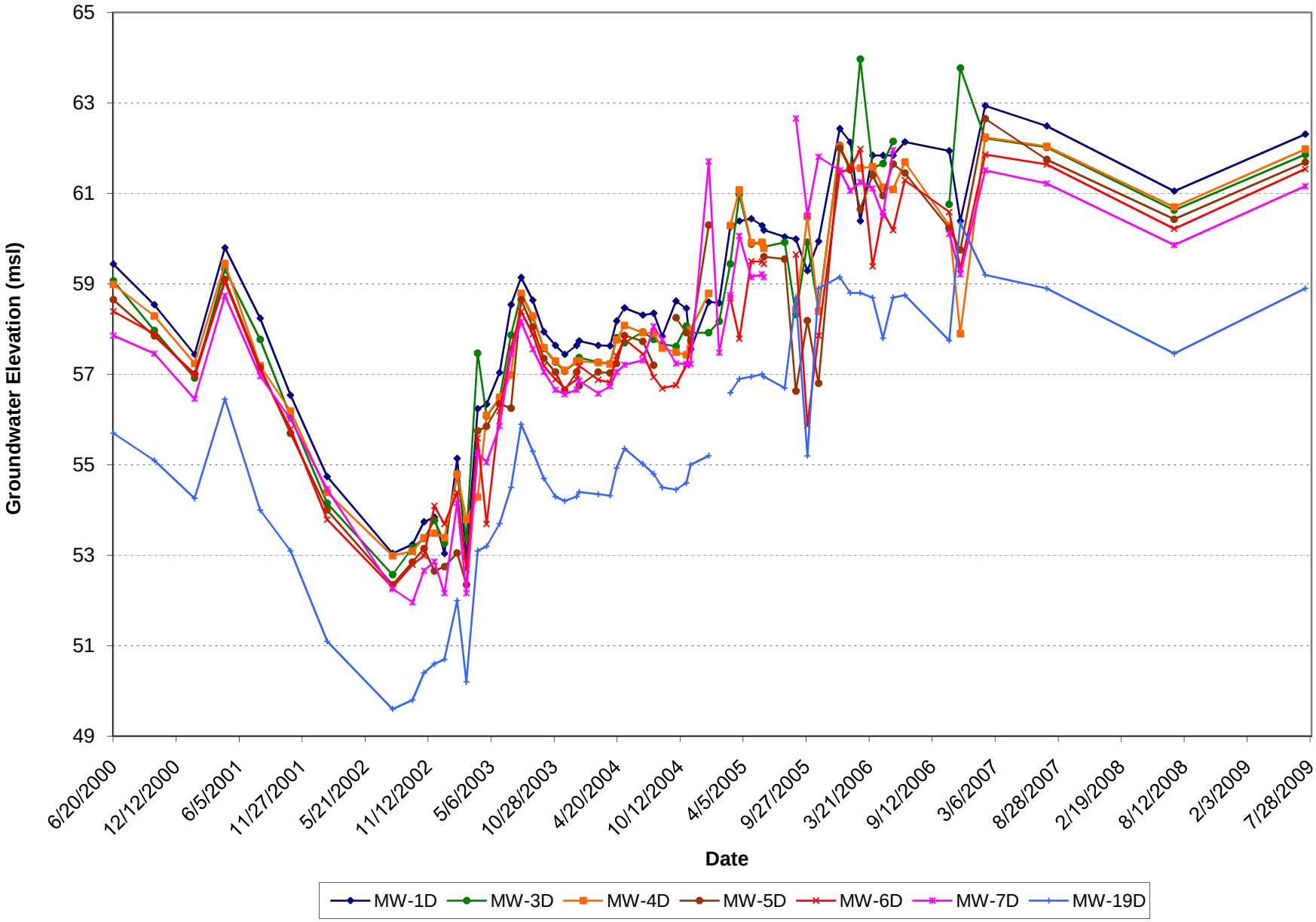
	1S	3s	4s	6s	7s	13	14	15	16	17	18	19s
1,1 Dichloroethane	0.065	0.065	0.13	0.065	0.065	0.065	0.065	0.065	0.065	16	0.065	0.28
1,1 Dichloroethene	0.095	0.095	0.19	0.095	0.095	0.095	0.095	0.1	0.095	0.095	0.095	0.095
1,1,1 Trichloroethane	0.08	0.08	120	0.08	0.08	0.08	0.08	0.08	0.08	8.1	0.08	0.08
Tetrachloroethene	0.74	0.055	2.7	0.055	0.055	0.055	0.055	0.2	0.055	0.055	0.055	0.055
Trichloroethene	0.055	0.055	0.385	0.1	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
1,1,2 Trichloroethane	0.055	0.055	0.11	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
1,2 Dichloroethene (total)	0.12	0.12	0.24	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.93

Appendix C
Hydrographs for Shallow and Deep Wells

Hydrograph of Shallow Wells
CIRCUITRON CORPORATION SUPERFUND SITE



Hydrograph of Deep Wells
CIRCUITRON CORPORATION SUPERFUND SITE



MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

August 29, 2005

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0645	86.82	27.10	35.00	59.72	
MW-3S	0659	88.15	29.85	38.00	58.30	
MW-4S	0714	86.71	28.41	33.70	58.30	
MW-6S	0800	86.09	26.55	34.00	59.54	
MW-7S	0730	89.51	29.30	36.70	60.21	
MW-13	0817	85.35	29.55	42.00	55.80	
MW-14	0844	85.28	24.83	43.00	60.45	
MW-15	0825	84.45	26.32	40.00	58.13	
MW-16	0834	84.60	28.75	40.00	55.85	
MW-17	0752	87.68	30.00	40.00	57.68	
MW-18	0858	87.60	30.25	40.00	57.35	
MW-19S	0905	87.70	29.00	55.00	58.70	
Recovery Wells Pumping Conditions:						
Depth to Water:						
RW-1 - 25.60	RW-2 - 25.50					

Greg Gangemi, Plant Manager
(Print Name, Title)

(Signature, Date)

MW-1D	0651	86.94	26.95	100.10	59.99	
MW-3D	0705	88.37	30.05	100.20	58.32	
MW-4D	0720	86.79	28.35	100.20	58.44	
MW-5D	0744	86.75	30.12	100.00	56.63	
MW-6D	0809	86.19	26.54	99.50	59.65	
MW-7D	0736	90.06	27.40	100.00	62.66	
MW-19D	0912	87.70	29.00	85.00	58.70	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

September 30, 2005

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0600	86.82	27.51	35.00	59.31	
MW-3S	0618	88.15	28.40	38.00	59.75	
MW-4S	0639	86.71	26.10	33.70	60.61	
MW-6S	0745	86.09	30.40	34.00	55.69	
MW-7S	0655	89.51	29.25	36.70	60.26	
MW-13	0800	85.35	28.22	42.00	57.13	
MW-14	0833	85.28	29.42	43.00	55.86	
MW-15	0815	84.45	27.33	40.00	57.12	
MW-16	0824	84.60	27.25	40.00	57.35	
MW-17	0735	87.68	30.55	40.00	57.13	
MW-18	0842	87.60	29.65	40.00	57.95	
MW-19S	0852	87.70	32.54	55.00	55.16	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 27.3' RW-2 - 22.4'

Greg Gangemi, Plant Manager

(Print Name, Title)

(Signature, Date)

MW-1D	0609	86.94	27.65	100.10	59.29	
MW-3D	0630	88.37	28.45	100.20	59.92	
MW-4D	0646	86.79	26.30	100.20	60.49	
MW-5D	0713	86.75	28.56	100.00	58.19	
MW-6D	0754	86.19	30.32	99.50	55.87	
MW-7D	0704	90.06	29.55	100.00	60.51	
MW-19D	0905	87.70	32.50	85.00	55.20	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

October 31, 2005

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0700	86.82	27.00	35.00	59.82	
MW-3S	0715	88.15	29.60	38.00	58.55	
MW-4S	0736	86.71	28.54	33.70	58.17	
MW-6S	0821	86.09	28.30	34.00	57.79	
MW-7S	0800	89.51	29.55	36.70	59.96	
MW-13	0833	85.35	30.10	42.00	55.25	
MW-14	0856	85.28	25.00	43.00	60.28	
MW-15	0841	84.45	27.00	40.00	57.45	
MW-16	0848	84.60	28.55	40.00	56.05	
MW-17	0814	87.68	28.43	40.00	59.25	
MW-18	0905	87.60	30.55	40.00	57.05	
MW-19S	0909	87.70	28.85	55.00	58.85	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 31.6' RW-2 - 21.6'

Greg Gangemi, Plant Manager

(Print Name, Title) **(Signature, Date)**

MW-1D	0707	86.94	27.00	100.10	59.94	
MW-3D	0725	88.37	29.95	100.20	58.42	
MW-4D	0743	86.79	28.40	100.20	58.39	
MW-5D	0753	86.75	29.95	100.00	56.80	
MW-6D	0826	86.19	28.33	99.50	57.86	
MW-7D	0806	90.06	28.25	100.00	61.81	
MW-19D	0915	87.70	28.80	85.00	58.90	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

November 29, 2005

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0730	86.82	26.50	35.00	60.32	Replace Bolt
MW-3S	0744	88.15	24.35	38.00	63.80	Replace Bolt
MW-4S	0807	86.71	28.00	33.70	58.71	
MW-6S	0900	86.09	26.60	34.00	59.49	
MW-7S	0823	89.51	30.50	36.70	59.01	
MW-13	0920	85.35	26.10	42.00	59.25	
MW-14	0945	85.28	22.00	43.00	63.28	
MW-15	0928	84.45	22.95	40.00	61.50	Replace Well Cap
MW-16	0937	84.60	26.00	40.00	58.60	
MW-17	0851	87.68	26.50	40.00	61.18	
MW-18	0954	87.60	25.35	40.00	62.25	
MW-19S	1003	87.70	27.29	55.00	60.41	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 32.5' RW-2 - 21.6'

Greg Gangemi, Plant Manager
(Print Name, Title)

(Signature, Date)

MW-1D	0736	86.94	26.55	100.10	60.39	
MW-3D	0755	88.37	24.60	100.20	63.77	Replace Bolt
MW-4D	0813	86.79	28.89	100.20	57.90	
MW-5D	0840	86.75	27.00	100.00	59.75	
MW-6D	0910	86.19	26.85	99.50	59.34	
MW-7D	0832	90.06	30.85	100.00	59.21	
MW-19D	1013	87.70	27.35	85.00	60.35	

LocID	6/20/2000	10/12/2000	2/1/2001	4/26/2001	8/2/2001	10/25/2001	2/4/2002
MW-1S	59.52	58.62	57.42	59.82		56.61	51.92
MW-3S	59.15	57.45	57.22	59.34	58.25	56.1	54.35
MW-4S	59.01	58.31	57.31	59.37	57.31	56.19	54.41
MW-6S	58.29	58.29	56.79	58.95	57.59	55.69	53.89
MW-7S	58.21	57.41	56.51	58.81	57.01	55.41	53.57
MW-13	58.35	57.45	57.65	58.71	56.45	55.44	53.55
MW-14	56.68	56.28	55.48	57.06	55.78	54.28	52.58
MW-15	58.95	58.25	57.15	59.31	57.35	56.15	54.25
MW-16	58.4	57.8	56.76	56.9	56.8	55.58	53.7
MW-17	57.98	57.38	57.65	58.81	56.88		51.78
MW-18		56.3	55.5	57.73	55.6	54.2	52.52
MW-19S	56.2	55	54.2	56.4	54.3	53.00	51.1
RW-1							
RW-2							
RW-3							
MW-1D	59.44	58.54	57.44	59.8	58.24	56.54	54.74
MW-3D	59.07	57.97	56.92	59.32	57.77	56.07	54.15
MW-4D	58.99	58.29	57.24	59.45	57.19	56.19	54.39
MW-5D	58.65	57.85	57.01	59.1	57.15	55.7	54
MW-6D	58.39	57.89	56.96	59.05	57.09	55.79	53.79
MW-7D	57.86	57.46	56.46	58.74	56.96	56.01	54.46
MW-19D	55.7	55.1	54.26	56.45	54	53.1	51.1

Note:

MW-7S was dry on 11/29/02, 12/27/02, and 2/26/03.

6/28/2006 data removed for MW-3D and MW-7D

LocID	8/5/2002	9/29/2002	10/31/2002	11/29/2002	12/27/2002	1/31/2003	2/26/2003	3/29/2003
MW-1S	53.02	52.82	53.72	53.92	52.92	55.22	53.32	56.22
MW-3S	52.85	52.05	53.35	53.25	53.15	54.85	52.85	57.25
MW-4S	53.41	53.41	53.31	53.01	53.31	54.81	53.71	54.41
MW-6S	52.49	53.09	52.79	53.99	53.59	54.29	53.09	55.49
MW-7S	53.21	52.81	52.11			54.21		55.31
MW-13	51.85	51.95	52.65	52.95	51.85	52.95	52.35	55.25
MW-14	50.78	50.98	51.48	51.68	51.28	53.08	51.38	54.18
MW-15	52.6	53.15	53.25	53.45	53.25	54.75	52.95	55.85
MW-16	52.2	52.3	52.9			54.4		55.5
MW-17	52.08	52.38	52.78	48.38	48.08	53.78	48.68	55.38
MW-18	51	52.1	51.7	51.9	51.6	53.3	48.7	54.4
MW-19S	49.6	49.8	50.4	50.6	50.7	52	50.2	53.1
RW-1								
RW-2								
RW-3								
MW-1D	53.04	53.24	53.74	53.84	53.04	55.14	52.94	56.24
MW-3D	52.57	53.17	53.37	53.77	53.27	54.77	53.37	57.47
MW-4D	52.99	53.09	53.39	53.49	53.39	54.79	53.79	54.29
MW-5D	52.35	52.85	53.15	52.65	52.75	53.05	52.35	55.75
MW-6D	52.29	52.79	52.99	54.09	53.69	54.39	52.69	55.59
MW-7D	52.26	51.96	52.66	52.86	52.16	54.16	52.16	55.26
MW-19D	49.6	49.8	50.4	50.6	50.7	52	50.2	53.1

Note:

MW-7S wa

6/28/2006 (

LocID	4/23/2003	5/29/2003	6/30/2003	7/28/2003	8/29/2003	9/29/2003	10/31/2003	11/26/2003
MW-1S	56.32	56.92	58.52	59.12	58.62	57.92	57.62	57.52
MW-3S	55.65	56.45	58.65	58.85	58.25	57.55	57.25	57.05
MW-4S	56.01	56.51	57.21	58.81	58.21	57.51	57.21	57.11
MW-6S	55.49	55.99	57.49	58.29	57.79	57.09	56.79	56.59
MW-7S	55.31	55.81	56.71	58.11	57.51	56.91	56.51	56.41
MW-13	55.35	55.75	56.85	58.15	57.55	56.85	56.55	56.25
MW-14	53.26	54.78	55.68	57.08	56.48	55.78	55.48	55.38
MW-15	56.05	56.45	57.75	58.75	58.25	57.55	57.25	57.05
MW-16	55.1	56.1	56.6	58.4	57.8	57.1	57	56.7
MW-17	55.48	55.98	57.68	58.28	57.78	58.38	56.68	56.38
MW-18	54.6	55	57.8	57.3	56.7	56	55.7	55.6
MW-19S	53.4	53.7	54.5	56.1	55.3	54.7	54.3	54.2
RW-1				59.6	59	58	58.2	58.1
RW-2				59.5	58.8	58.1	57.8	57.7
RW-3				58.3	57.8	57.1	56.8	56.7
MW-1D	56.34	57.04	58.54	59.14	58.64	57.94	57.64	57.44
MW-3D	56.07	56.47	57.87	58.77	58.27	57.57	57.27	57.07
MW-4D	56.09	56.49	56.99	58.79	58.29	57.59	57.29	57.09
MW-5D	55.85	56.35	56.25	58.65	58.05	57.35	57.05	56.65
MW-6D	53.69	56.19	57.59	58.39	57.89	57.19	56.89	56.69
MW-7D	55.06	55.86	57.46	58.16	57.56	57.06	56.66	56.56
MW-19D	53.2	53.7	54.5	55.9	55.3	54.7	54.3	54.2

Note:

MW-7S wa

6/28/2006 (

LocID	12/29/2003	1/5/2004	2/27/2004	3/31/2004	4/18/2004	5/10/2004	6/30/2004	7/30/2004
MW-1S	57.72	57.72	57.66	57.65	58.21	58.49	58.34	58.32
MW-3S	57.25	57.15	57.23	57.23	57.65	58.1	57.93	57.5
MW-4S	57.31	57.31	57.29	58.15	57.76	58.08	57.91	57.8
MW-6S	56.79	56.99	56.76	56.72	57.26	57.72	57.46	56.88
MW-7S	56.51	58.01	56.55	56.51	57.08	57.44	57.21	56.86
MW-13	56.45	56.35	56.5	56.46	57.04	57.46	57.26	57.1
MW-14	55.48	55.48	55.48	55.45	57.06	56.45	56.17	55.93
MW-15	57.25	57.35	57.23	57.20	57.75	58.15	57.95	57.35
MW-16	56.8	57.1	56.81	56.79	57.39	57.77	57.52	58.1
MW-17	56.58	56.68		56.65	57.27	57.38	57.37	57.15
MW-18	55.9	56	55.68	55.64	56.25	56.67	56.34	56.07
MW-19S	54.3	54.4	54.31	54.28	54.89	55.3	54.96	54.75
RW-1	57.6	58.1		48.99			26.14	25.75
RW-2	57.8	57.8		44.15			25.18	25.50
RW-3	56	56.8		56.69	57.3		28.16	28.30
MW-1D	57.64	57.74	57.64	57.63	58.18	58.47	58.31	58.35
MW-3D	57.27	57.37	57.27	57.24	57.81	57.7	57.94	57.77
MW-4D	57.29	57.29	57.26	57.23	57.76	58.08	57.92	57.91
MW-5D	57.05	56.75	57.05	57.03	57.24	57.86	57.73	57.2
MW-6D	56.89	57.19	56.88	56.82	57.41	57.78	57.45	56.94
MW-7D	56.66	56.86	56.58	56.74	57.05	57.21	57.31	58.06
MW-19D	54.3	54.4	54.35	54.32	54.93	55.36	55.02	54.8

Note:

MW-7S wa

6/28/2006 (

LocID	8/23/2004	9/30/2004	10/29/2004	11/10/2004	12/30/2004	1/28/2005	2/28/2005	3/25/2005
MW-1S	57.87	58.32	58.19	58.37	58.44	58.58	59.87	59.99
MW-3S	56.24	56.25	57.80	57.94	57.95	58.15	59.45	60.84
MW-4S	57.42	57.36	57.49	55.91	57.33		60.16	60.88
MW-6S	56.74	57.09	57.17	57.49	57.59	57.69	58.94	57.88
MW-7S	56.72	56.88	57.11	57.22	56.91	57.46	58.75	59.6
MW-13	56.80	56.85	56.13	55.75	57.95	57.42		57.22
MW-14	55.68	55.63	55.86	56.18	58.95		57.69	57.68
MW-15	57.45	56.62	57.50	57.90	56.24	58.15	59.45	58.82
MW-16	57.05	57.3	57.35	57.50			59.09	59.88
MW-17	56.89	56.18	55.12	54.38	58.08		58.88	58.91
MW-18	55.85	55.92	56.18	56.35	56.6	57.60	57.90	57.97
MW-19S	54.37	54.45	54.60	55.00	55.15	55.24	56.70	56.89
RW-1	25.25	25.25	25.80	25.30	25.30	25.60	22.70	23.10
RW-2	25.65	25.59	25.60	25.59	25.45	25.50		24.50
RW-3	28.75	28.20	28.65	28.30	28.28	27.90		
MW-1D	57.84	58.62	58.46	57.55	58.60	58.58	60.26	60.39
MW-3D	57.67	57.62	58.07	57.92	57.92	58.17	59.44	60.97
MW-4D	57.58	57.49	57.43	57.99	58.79		60.29	61.08
MW-5D		58.25	57.92	57.75	60.30			
MW-6D	56.69	56.76	57.20	57.64			58.69	57.79
MW-7D	57.76	57.24	57.23	57.23	61.71	57.48	58.75	60.06
MW-19D	54.50	54.45	54.60	55.00	55.20		56.59	56.90

Note:

MW-7S wa

6/28/2006 (

LocID	4/27/2005	5/27/2005	6/1/2005	7/29/2005	8/29/2005	9/30/2005	10/31/2005	11/29/2006
MW-1S	60.23	60.31	60.22	59.97	59.72	59.31	59.82	60.32
MW-3S	58.95	58.86	59.80	59.85	58.30	59.75	58.55	63.80
MW-4S	59.76	59.89	59.80	59.21	58.30	60.61	58.17	58.71
MW-6S	59.44	59.46	59.34	58.89	59.54	55.69	57.79	59.49
MW-7S	59.19	59.21	59.12	58.56	60.21	60.26	59.96	59.01
MW-13	59.20	59.25	59.10	57.02	55.80	57.13	55.25	59.25
MW-14			58.03	59.78	60.45	55.86	60.28	63.28
MW-15	59.77	59.90	59.75	58.94	58.13	57.12	57.45	61.50
MW-16	59.41	59.47	59.39		55.85	57.35	56.05	58.60
MW-17	59.33	59.36	59.25	58.18	57.68	57.13	59.25	61.18
MW-18	58.21	58.29	58.20	57.49	57.35	57.95	57.05	62.25
MW-19S	56.90	56.90	56.85	56.47	58.70	55.16	58.85	60.41
RW-1	25.50	27.50	26.55	28.00	25.60	27.30	31.60	32.50
RW-2	24.42	24.60	25.50	25.55	25.50	22.40	21.60	21.60
RW-3	27.65	27.50	30.00					
MW-1D	60.44	60.29	60.19	60.04	59.99	59.29	59.94	60.39
MW-3D	59.88	59.91	59.82	59.92	58.32	59.92	58.42	63.77
MW-4D	59.91	59.92	59.79		58.44	60.49	58.39	57.90
MW-5D			59.60	59.55	56.63	58.19	56.80	59.75
MW-6D	59.50	59.49	59.44		59.65	55.87	57.86	59.34
MW-7D	59.15	59.21	59.15		62.66	60.51	61.81	59.21
MW-19D	56.95	57.00	56.95	56.70	58.70	55.20	58.90	60.35

Note:

MW-7S wa

6/28/2006 (

LocID	12/29/2005	1/27/2006	2/24/2006	3/30/2006	4/28/2006	5/26/2006	6/28/2006	10/29/2006
MW-1S	62.17	62.07	60.17	62.02	61.72	61.82	62.17	61.17
MW-3S	62.05	61.69	63.84	61.53	61.35	61.8	61.7	60.74
MW-4S	62.01	61.71	61.71	61.51	60.98	61.06	61.71	60.71
MW-6S	61.5	61.26	61.29	59.58	59.14	59.49	61.19	60.24
MW-7S	61.36	61.08	61.11	60.91	60.41	60.61	61.01	60.01
MW-13	61.35	55.89	58.69	60.4	59.54	59.7	61	55.35
MW-14	59.58	59.95	59.27	61.88	61.4	59.48	59.93	57.93
MW-15	62	61.64	62.12	61.5	60.94	60.95	61.7	60.7
MW-16	59.6	61.05	60.1	61.1	60.95	61.6	61.29	60.3
MW-17	61.47	64.29	62.17	60.97	62.08	61.33	61.13	60.18
MW-18	60.5	60.09	61.17	59.87	59.9	60.05	60.05	59.05
MW-19S	58.1	58.75	58.8	58.5	57.8	58.19	58.6	57.7
RW-1	33.6	32.9	32.6	33	33.8	33.4	33.5	31.9
RW-2	22	29.6	28.4	28.5	26.4	27.9	18	41.2
RW-3								
MW-1D	62.43	62.13	60.39	61.84	61.84	61.84	62.14	61.94
MW-3D	62.06	61.52	63.97	61.56	61.66	62.15		60.76
MW-4D	62.04	61.56	61.56	61.59	61.14	61.09	61.69	60.29
MW-5D	62	61.54	60.65	61.4	60.95	61.65	61.45	60.23
MW-6D	61.46	61.54	61.98	59.39	60.59	60.19	61.29	60.59
MW-7D	61.51	61.06	61.25	61.11	60.51	61.96		60.11
MW-19D	59.15	58.8	58.8	58.7	57.8	58.7	58.75	57.75

Note:

MW-7S wa

6/28/2006 (

LocID	2/6/2007	7/27/2007	7/15/2008	7/14/2009
MW-1S	62.82	62.51	61.19	62.37
MW-3S	62.25	62	60.60	61.85
MW-4S	62.21	62.01	60.76	62.04
MW-6S	62.09	61.49	60.19	61.49
MW-7S	61.51	61.21	59.95	61.16
MW-13	61.55	61.35	59.93	61.19
MW-14	60.43	60.18	58.80	60.08
MW-15	63.2	62.01	60.62	61.86
MW-16	61.79	61.6	60.18	61.46
MW-17	63.68	61.38	59.98	61.36
MW-18	61.5	60.25	58.84	60.22
MW-19S	59.14	58.8	57.43	58.84
RW-1	33.9			
RW-2	45			21.12
RW-3				
MW-1D	62.94	62.49	61.05	62.31
MW-3D	62.22	62.02	60.63	61.86
MW-4D	62.24	62.04	60.70	61.98
MW-5D	62.65	61.75	60.43	61.69
MW-6D	61.86	61.64	60.22	61.54
MW-7D	61.51	61.22	59.86	61.16
MW-19D	59.2	58.9	57.46	58.90

Note:

MW-7S wa

6/28/2006 (

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

February 24, 2006

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0730	86.82	26.65	35.00	60.17	
MW-3S	0748	88.15	24.31	38.00	63.84	Tightened loose bolts
MW-4S	0808	86.71	25.00	33.70	61.71	
MW-6S	0908	86.09	24.80	34.00	61.29	
MW-7S	0826	89.51	28.40	36.70	61.11	Trimmed away grass
MW-13	0918	85.35	26.66	42.00	58.69	
MW-14	0944	85.28	26.01	43.00	59.27	
MW-15	0928	84.45	22.33	40.00	62.12	
MW-16	0936	84.60	24.50	40.00	60.10	Trimmed away grass
MW-17	0854	87.68	25.51	40.00	62.17	
MW-18	0953	87.60	26.43	40.00	61.17	
MW-19S	1002	87.70	28.90	55.00	58.80	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 32.6' RW-2 - 28.4'

Greg Gangemi, Plant Manager

(Print Name, Title)

(Signature, Date)

MW-1D	0739	86.94	26.55	100.10	60.39	
MW-3D	0750	88.37	24.40	100.20	63.97	
MW-4D	0817	86.79	25.23	100.20	61.56	
MW-5D	0845	86.75	26.10	100.00	60.65	
MW-6D	0908	86.19	24.21	99.50	61.98	
MW-7D	0835	90.06	28.81	100.00	61.25	
MW-19D	1012	87.70	28.90	85.00	58.80	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

March 30, 2006

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0700	86.82	24.80	35.00	62.02	Car moved
MW-3S	0716	88.15	26.62	38.00	61.53	
MW-4S	0733	86.71	25.20	33.70	61.51	
MW-6S	0826	86.09	26.51	34.00	59.58	
MW-7S	0750	89.51	28.60	36.70	60.91	Trimmed grass
MW-13	0844	85.35	24.95	42.00	60.40	
MW-14	0909	85.28	23.40	43.00	61.88	
MW-15	0853	84.45	22.95	40.00	61.50	
MW-16	0859	84.60	23.50	40.00	61.10	Trimmed grass
MW-17	0808	87.68	26.71	40.00	60.97	
MW-18	0922	87.60	27.73	40.00	59.87	
MW-19S	0931	87.70	29.20	55.00	58.50	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 33.0' RW-2 - 28.5'

Greg Gangemi, Plant Manager

(Print Name, Title)

(Signature, Date)

MW-1D	0707	86.94	25.10	100.10	61.84	
MW-3D	0723	88.37	26.81	100.20	61.56	
MW-4D	0739	86.79	25.20	100.20	61.59	
MW-5D	0817	86.75	25.35	100.00	61.40	Pushed dumpster off well cap
MW-6D	0835	86.19	26.80	99.50	59.39	
MW-7D	0759	90.06	28.95	100.00	61.11	Tightened loose bolts
MW-19D	0938	87.70	29.00	85.00	58.70	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

April 28, 2006

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0630	86.82	25.10	35.00	61.72	
MW-3S	0650	88.15	26.80	38.00	61.35	
MW-4S	0712	86.71	25.73	33.70	60.98	
MW-6S	0818	86.09	26.95	34.00	59.14	Car moved
MW-7S	0734	89.51	29.10	36.70	60.41	
MW-13	0839	85.35	25.81	42.00	59.54	
MW-14	0902	85.28	23.88	43.00	61.40	
MW-15	0843	84.45	23.51	40.00	60.94	
MW-16	0852	84.60	23.65	40.00	60.95	Clean grass around well cap
MW-17	0800	87.68	25.60	40.00	62.08	
MW-18	0915	87.60	27.70	40.00	59.90	
MW-19S	0924	87.70	29.90	55.00	57.80	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 33.8' RW-2 - 26.4'

Greg Gangemi, Plant Manager

(Print Name, Title)

(Signature, Date)

MW-1D	0639	86.94	25.10	100.10	61.84	
MW-3D	0700	88.37	26.71	100.20	61.66	
MW-4D	0721	86.79	25.65	100.20	61.14	
MW-5D	0752	86.75	25.80	100.00	60.95	
MW-6D	0825	86.19	25.60	99.50	60.59	Car moved
MW-7D	0743	90.06	29.55	100.00	60.51	Clean grass around well cap
MW-19D	0933	87.70	29.90	85.00	57.80	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

May 26, 2006

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0710	86.82	25.00	35.00	61.82	
MW-3S	0726	88.15	26.35	38.00	61.80	
MW-4S	0739	86.71	25.65	33.70	61.06	
MW-6S	0828	86.09	26.60	34.00	59.49	
MW-7S	0754	89.51	28.90	36.70	60.61	
MW-13	0842	85.35	25.65	42.00	59.70	
MW-14	0900	85.28	25.80	43.00	59.48	
MW-15	0849	84.45	23.50	40.00	60.95	
MW-16	0855	84.60	23.00	40.00	61.60	
MW-17	0819	87.68	26.35	40.00	61.33	
MW-18	0919	87.60	27.55	40.00	60.05	
MW-19S	0927	87.70	29.51	55.00	58.19	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 33.4' RW-2 - 27.9'

Greg Gangemi, Plant Manager

(Print Name, Title)

(Signature, Date)

MW-1D	0718	86.94	25.10	100.10	61.84	
MW-3D	0732	88.37	26.22	100.20	62.15	
MW-4D	0746	86.79	25.70	100.20	61.09	
MW-5D	0811	86.75	25.10	100.00	61.65	
MW-6D	0834	86.19	26.00	99.50	60.19	
MW-7D	0802	90.06	28.10	100.00	61.96	
MW-19D	0933	87.70	29.00	85.00	58.70	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

June 28, 2006

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0730	86.82	24.65	35.00	62.17	Well level data were collected
MW-3S	0800	88.15	26.45	38.00	61.70	on 6/28/06.
MW-4S	0830	86.71	25.00	33.70	61.71	
MW-6S	0910	86.09	24.90	34.00	61.19	
MW-7S	0900	89.51	28.50	36.70	61.01	
MW-13	0950	85.35	24.35	42.00	61.00	
MW-14	1020	85.28	25.35	43.00	59.93	
MW-15	1000	84.45	22.75	40.00	61.70	
MW-16	1010	84.60	23.31	40.00	61.29	
MW-17	0940	87.68	26.55	40.00	61.13	
MW-18	1030	87.60	27.55	40.00	60.05	
MW-19S	1040	87.70	29.10	55.00	58.60	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 33.5' RW-2 - 18.0'

Greg Gangemi, Plant Manager

(Print Name, Title)

(Signature, Date)

MW-1D	0740	86.94	24.80	100.10	62.14	during annual sampling event
MW-3D	0815	88.37	89.10	100.20		(-0.73 data removed)
MW-4D	0840	86.79	25.10	100.20	61.69	
MW-5D	0930	86.75	25.30	100.00	61.45	
MW-6D	0920	86.19	24.90	99.50	61.29	
MW-7D	0850	90.06	91.00	100.00		(-0.94 data removed)
MW-19D	1050	87.70	28.95	85.00	58.75	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

October 29, 2006

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0710	86.82	25.65	35.00	61.17	
MW-3S	0725	88.15	27.41	38.00	60.74	
MW-4S	0744	86.71	26.00	33.70	60.71	
MW-6S	0843	86.09	25.85	34.00	60.24	
MW-7S	0800	89.51	29.50	36.70	60.01	
MW-13	0858	85.35	30.00	42.00	55.35	
MW-14	0927	85.28	27.35	43.00	57.93	
MW-15	0905	84.45	23.75	40.00	60.70	
MW-16	0915	84.60	24.30	40.00	60.30	Trimmed grass around well cover
MW-17	0835	87.68	27.50	40.00	60.18	Car needed to be moved.
MW-18	0935	87.60	28.55	40.00	59.05	
MW-19S	0942	87.70	30.00	55.00	57.70	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 31.9' RW-2 - 41.2'

Greg Gangemi, Plant Manager

(Print Name, Title)

(Signature, Date)

MW-1D	0716	86.94	25.00	100.10	61.94	
MW-3D	0732	88.37	27.61	100.20	60.76	
MW-4D	0751	86.79	26.50	100.20	60.29	
MW-5D	0826	86.75	26.52	100.00	60.23	Moved dumpster
MW-6D	0851	86.19	25.60	99.50	60.59	
MW-7D	0817	90.06	29.95	100.00	60.11	Trimmed grass around well cover
MW-19D	0955	87.70	29.95	85.00	57.75	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

February 6, 2007

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0730	86.82	24.00	35.00	62.82	
MW-3S	0745	88.15	25.90	38.00	62.25	
MW-4S	0802	86.71	24.50	33.70	62.21	
MW-6S	0900	86.09	24.00	34.00	62.09	
MW-7S	0817	89.51	28.00	36.70	61.51	
MW-13	0925	85.35	23.80	42.00	61.55	
MW-14	0948	85.28	24.85	43.00	60.43	
MW-15	0933	84.45	21.25	40.00	63.20	
MW-16	0941	84.60	22.81	40.00	61.79	
MW-17	0844	87.68	24.00	40.00	63.68	
MW-18	0959	87.60	26.10	40.00	61.50	
MW-19S	1006	87.70	28.56	55.00	59.14	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 33.9' RW-2 - 45.0'

Greg Gangemi, Plant Manager

(Print Name, Title)

(Signature, Date)

MW-1D	0736	86.94	24.00	100.10	62.94	
MW-3D	0751	88.37	26.15	100.20	62.22	
MW-4D	0808	86.79	24.55	100.20	62.24	
MW-5D	0834	86.75	24.10	100.00	62.65	
MW-6D	0917	86.19	24.33	99.50	61.86	
MW-7D	0825	90.06	28.55	100.00	61.51	
MW-19D	1015	87.70	28.50	85.00	59.20	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

July 27, 2007

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0730	86.82	24.31	34.78	62.51	Well level data were collected
MW-3S	0800	88.15	26.15	37.62	62.00	during annual sampling event
MW-4S	0830	86.71	24.70	27.70	62.01	on 7/27/07.
MW-6S	0910	86.09	24.60	33.72	61.49	
MW-7S	0900	89.51	28.30	36.45	61.21	
MW-13	0950	85.35	24.00	39.90	61.35	
MW-14	1020	85.28	25.10	41.30	60.18	
MW-15	1000	84.45	22.44	39.00	62.01	
MW-16	1010	84.60	23.00	39.80	61.60	
MW-17	0940	87.68	26.30	40.00	61.38	
MW-18	1030	87.60	27.35	39.50	60.25	
MW-19S	1040	87.70	28.90	52.70	58.80	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - 33.9' RW-2 - 45.0'

Greg Gangemi, Plant Manager

(Print Name, Title)

(Signature, Date)

MW-1D	0740	86.94	24.45	99.94	62.49	
MW-3D	0815	88.37	26.35	100.02	62.02	
MW-4D	0840	86.79	24.75	100.00	62.04	
MW-5D	0930	86.75	25.00	100.00	61.75	
MW-6D	0920	86.19	24.55	100.00	61.64	
MW-7D	0850	90.06	28.84	100.00	61.22	
MW-19D	1050	87.70	28.80	82.50	58.90	

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

July 15, 2008

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0730	86.82	25.63	34.78	61.19	Well level data were collected
MW-1D	0740	86.94	25.89	99.94	61.05	during the annual sampling event
MW-3S	0800	88.15	27.55	37.62	60.60	on 7/15/08.
MW-3D	0815	88.37	27.74	100.02	60.63	
MW-4S	0830	86.71	25.95	27.70	60.76	
MW-4D	0840	86.79	26.09	100.00	60.70	
MW-5D	0930	86.75	26.32	100.00	60.43	
MW-6S	0910	86.09	25.90	33.72	60.19	
MW-6D	0920	86.19	25.97	100.00	60.22	
MW-7S	0900	89.51	29.56	36.45	59.95	
MW-7D	0850	90.06	30.20	100.00	59.86	
MW-13	0950	85.35	25.42	39.90	59.93	
MW-14	1020	85.28	26.48	41.30	58.80	
MW-15	1000	84.45	23.83	39.00	60.62	
MW-16	1010	84.60	24.42	39.80	60.18	
MW-17	0940	87.68	27.70	40.00	59.98	
MW-18	1030	87.60	28.76	39.50	58.84	
MW-19S	1040	87.70	30.27	52.70	57.43	
MW-19D	1050	87.70	30.24	82.50	57.46	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - NA RW-2 - NA

Anping Zheng

(Print Name, Title)

(Signature, Date)

MONITORING WELL LEVEL DATA
CIRCUITRON CORPORATION SUPERFUND SITE

July 14, 2009

Monitoring Well No.	Time	Top of Casing / Elevation Reference (ft-msl)	Depth to Water (ft)	Bottom of Well Screen (ft-bgs)	Groundwater Elevation (ft-msl)	Comments
MW-1S	0742	86.82	24.45	34.78	62.37	Well level data were collected
MW-1D	0727	86.94	24.63	99.94	62.31	during the annual sampling event
MW-3S	0755	88.15	26.30	37.62	61.85	on 7/14/09.
MW-3D	0801	88.37	26.51	100.02	61.86	
MW-4S	1109	86.71	24.67	27.70	62.04	
MW-4D	1115	86.79	24.81	100.00	61.98	
MW-5D	0936	86.75	25.06	100.00	61.69	
MW-6S	0847	86.09	24.60	33.72	61.49	
MW-6D	0839	86.19	24.65	100.00	61.54	
MW-7S	1009	89.51	28.35	36.45	61.16	
MW-7D	1015	90.06	28.90	100.00	61.16	
MW-13	0816	85.35	24.16	39.90	61.19	
MW-14	0920	85.28	25.20	41.30	60.08	
MW-15	0824	84.45	22.59	39.00	61.86	
MW-16	0906	84.60	23.14	39.80	61.46	
MW-17	0952	87.68	26.32	40.00	61.36	
MW-18	1028	87.60	27.38	39.50	60.22	
MW-19S	1039	87.70	28.86	52.70	58.84	
MW-19D	1045	87.70	28.80	82.50	58.90	

Recovery Wells Pumping Conditions:

Depth to Water:

RW-1 - NA RW-2 - 21.12'

Anping Zheng

(Print Name, Title)

(Signature, Date)


URS