INSTALLATION RESTORATION PROGRAM
TWIN CITIES ARMY AMMUNITION PLANT

FISCAL YEAR 1994 ANNUAL MONITORING REPORT

Prepared for:

Commander
Twin Cities Army Ammunition Plant
ATTN: SIOTC-CO
Arden Hills, Minnesota 55112-5700

Commander
U.S. Army Environmental Center
ATTN: SFIM-AEC-CO
Aberdeen Proving Ground, Maryland 21010-5401

SEPTEMBER 1995
FINAL REPORT

Environmental
Engineers

Wenck

Wenck Associates, Inc.
1800 Pioneer Creek Ctr.
P.O. Box 428
Maple Plain, MN 55359-0428

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Fax (612) 479-4242
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December 27, 1995

Mr. Martin R. McCleery, P.E.
SIOTC-EV
Remedial Project Manager
Twin Cities Army Ammunition Plant
4700 Highway 10, Suite A
Arden Hills, MN 55112-3928

Re: Wenck File #0003-35

Dear Mr. McCleery:

The Minnesota Pollution Control Agency recently identified two locations in the fiscal year 1994 Annual Monitoring Report in which agreed-upon redlined revisions were inadvertently not incorporated into the Final Report. These minor revisions relate to Tables XIII-2 (FY 94 Treatment System Analytical Summary) and portions of Table XV-1 (FY 96 Annual Monitoring Plan). Attached are the corrected pages which should be distributed to parties which received the 1994 Annual Monitoring Report.

If you have any questions please call me at 479-4225.

Sincerely,

WENCK ASSOCIATES, INC.

William P. Johnsen

William P. Johnsen, C.P.G.

WPJ/jrw

cc: Chuck Cook - CRA w/attachment

Changed pages on 3-6-96

N:\0003\35\WORD\LMM12275.LTR\WPJ-jrw

Minnesota Pollution Control Agency

September 5, 1995

Mr. Martin R. McCleery
Remedial Project Manager
Twin Cities Army Ammunition Plant
New Brighton, Minnesota 55112-5700

RE: Consistency Test for the Fiscal Year 1994, Annual Monitoring Report/Fiscal Year 1996; Annual Monitoring Plan for the Twin Cities Army Ammunition Plant, Draft Final Report, February 1995.

Dear Mr. McCleery:

Staff at the U.S. Environmental Protection Agency (U.S. EPA) and the Minnesota Pollution Control Agency (MPCA) have reviewed the draft final version of the above-referenced document dated February 1996. We have also reviewed the redlined revisions dated August 1995, provided in response to the Agencies' comments on the draft and incorporating the revisions discussed in the July 11, 1995, Comments Resolution Meeting and subsequent telephone conversations. The Agencies have also received minutes of the July 11, 1995, meeting as well as revisions to the minutes dated August 21, 1995. Finally, the Agencies have received the August 21, 1995, correspondence from Wenck Associates, Inc. providing additional response to comments in the MPCA's August 11, 1995, letter.

Please be advised, as agreed to in a conference call on August 24, 1995, that where concentrations in wells such as Wells 206688 and O4U871 are increasing, Army will need to follow the trends more closely.

You are hereby advised that, in accordance with Chapter XIV of the Federal Facility Agreement, The Fiscal year 1994, Annual Monitoring report/ Fiscal Year 1996, Annual Monitoring Plan for the Twin Cities Army Ammunition Plant passes the Consistency Test.

If there are any questions or you require additional information, please contact Tom Barounis at (312) 353-5577 or Dagmar Romano at (612) 296-7776.

Sincerely,

Dagmar Romano
Project Manager
Response Unit I
Site Response Section
Ground Water and Solid Waste Division

for Dagmar Romano

Tom Barounis
Remedial Project Manager
U.S. Environmental Protection Agency
Region V
77 West Jackson Boulevard
Chicago, Illinois 60604

DMR:lma

INSTALLATION RESTORATION PROGRAM
TWIN CITIES ARMY AMMUNITION PLANT

FISCAL YEAR 1994 ANNUAL MONITORING REPORT

Distribution is limited to
U.S. Government Agencies only for
protection of privileged information.
Other requests for the documents
must be referred to:

Commander
Twin Cities Army Ammunition Plant
Arden Hills, Minnesota
55112-5700

Prepared for:

Commander
Twin Cities Army Ammunition Plant
ATTN: SIOTC-CO
Arden Hills, Minnesota 55112-5700

Commander
U.S. Army Environmental Center
ATTN: SFIM-AEC-CO
Aberdeen Proving Ground, Maryland 21010-5401

SEPTEMBER 1995
FINAL REPORT

FEDERAL CARTRIDGE COMPANY
WENCK ASSOCIATES, INC.

ALLIANT TECHSYSTEMS, INC.
CONESTOGA-ROVERS & ASSOCIATES, LTD.

DEPARTMENT OF THE ARMY
TWIN CITIES ARMY AMMUNITION PLANT
4700 HWY 10
ARDEN HILLS, MINNESOTA 55112-5700

REPLY TO
ATTENTION OF

August 30, 1995

SIOTC-EV (200-1b)

SUBJECT: 1994 Annual Monitoring Report/1996 Annual Monitoring Plan

U.S. Environmental Protection Agency
Region V
ATTN: Mr. Thomas Barounis
HSRM-6J
77 W. Jackson Blvd.
Chicago, Illinois 60604

Dear Sir:

Enclosed are three copies of the 1994 Annual Monitoring Report/1995 Annual Monitoring Plan Final Report. The letter from MPCA/EPA advising that this report passes the Consistency Test is enclosed in the subject report.

If you have any questions or need additional information, please contact Mr. Martin R. McCleery, SIOTC-EV, or Mr. Michael R. Fix, SIOTC-CO, (612) 633-2301, ext. 651 or 661.

Sincerely,

Michael R. Fix
Commander's Representative

Enclosure

Copies Furnished:

HQ, IOC, ATTN: AMSIO-EQ, Ms. Rebecca Goetzke (1 copy)
Cdr, U.S. Army Environmental Center, ATTN: SFIM-AEC-IRA, Mr. Pete Rissell (3 copies)
Cdr, U.S. Army Center for Health Promotion and Preventive Medicine,
ATTN: HSHB-ME-SR, Mr. Keith Williams (1 copy)
U.S. Army Corps of Engineers, Omaha District,
ATTN: CEMRO-MD-HA, Mr. Jay Hodges (2 copies)
Alliant Techsystems Inc., ATTN: Mr. Dave Gosen/MN11-2115 (3 copies)

SIOTC-EV (200-1b)
SUBJECT: 1994 Annual Monitoring Report/1996 Annual Monitoring Plan

Copies Furnished (continued):

MN Department of Health, ATTN: Mr. Mike Moen (1 copy)
Mr. Dave Gray/Mr. Gary England (1 copy)
Agency for Toxic Substances & Disease Registry, ATTN: Mr. John Mann (1 copy)
U.S. Fish & Wildlife Service, ATTN: Mr. Dave Warburton (1 copy)
MN Department of Natural Resources, ATTN: Mr. Evan Drivas (1 copy)
Montgomery Watson, Wayzata Office, ATTN: Mr. Jeff LeBlanc (1 copy)
City of New Brighton, ATTN: Mr. Les Proper (1 copy)
Barr Engineering, ATTN: Mr. Greg Keil (1 copy)
Plt Mgr, FCC-TCAAP (3 copies)
SIOTC-EV (2 copies)
Restoration Advisory Board (1 copy)
Administrative Record (1 copy)
Repository (1 copy)
Extras for Outside Requests (2 copies)

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PLAN SHEETS

Acronyms

µg/l	-	micrograms per liter
1,1,1-TCE	-	1,1,1-Trichloroethane
1,2-DCE	-	1,2-Dichloroethene
AMR	-	Annual Monitoring Report
BGRS	-	Boundary Groundwater Recovery System
CRA	-	Conestoga-Rovers and Associates
DNR	-	Department of Natural Resources
FCC	-	Federal Cartridge Company
FFA	-	Federal Facilities Agreement
FS	-	Feasibility Study
FY	-	Fiscal Year
GRPP	-	Groundwater Remediation Program Plan
HSL	-	Hazardous Substance List
Interpoll	-	Interpoll Laboratories, Inc.
IRA	-	Interim Remedial Action
IRAP	-	Interim Response Action Plan
IRDMIS	-	Installation Restoration Data Management Information System
ISV	-	In-Situ Volatilization
MDNR	-	Minnesota Department of Natural Resources
mg/l	-	milligrams per liter
MPCA	-	Minnesota Pollution Control Agency
ND	-	Non-Detect
NPDES	-	National Pollutant Discharge Elimination System
OU1	-	Operable Unit 1
OU2	-	Operable Unit 2
OU3	-	Operable Unit 3
PACE	-	PACE, Inc.
PAR	-	Performance Assessment Report
PCB	-	Polychlorinated Biphenyls
PGAC	-	Permanent Granular Activated Carbon
PGRS	-	Plume Groundwater Recovery System
PLC	-	Programmable Logic Controller
PM	-	Preventive Maintenance
PRI	-	Potomac Research, Inc.
QA/QC	-	Quality Assurance/Quality Control
QA	-	Quality Assurance
QC	-	Quality Control
RI/FS	-	Remedial Investigation/Feasibility Study

Acronyms (Cont.)

ROD	-	Record of Decision
TCAAP	-	Twin Cities Army Ammunition Plant
TCLEE	-	Tetrachloroethene
TGRS	-	TCAAP Groundwater Recovery System
TGRSE	-	TGRS Effluent
TGRSI	-	TGRS Influent
TRCLE	-	Trichloroethene
USAEC	-	United States Army Environmental Center
USATHAMA	-	United States Toxic and Hazardous Materials Agency
USEPA	-	United States Environmental Protection Agency
VOC	-	Volatile Organic Compound
Wenck	-	Wenck Associates, Inc.

Executive Summary

This Fiscal Year 1994 (FY 94) Annual Monitoring Report summarizes and evaluates data from groundwater and surface water monitoring performed at each of the three operable units at TCAAP. The primary objectives of this report are to characterize groundwater conditions associated with known and potential contaminant source areas at TCAAP and to assess the performance of the groundwater remedial systems.

Groundwater level monitoring indicated that water levels increased approximately three feet in the Unit 3 and 4 aquifers during FY 94. Increases similar to these, but of less magnitude have also been observed for the past three years. The direction of groundwater flow remained generally to the southwest.

Groundwater quality monitoring indicates that volatile organic compounds continue to be the contaminants of primary concern in groundwater throughout TCAAP.

The extent of groundwater contamination in OU1, as represented by the 1 μg/l contour, did not show appreciable increases or decreases during FY 94. However, the area represented by the 10, 100, and 1000 μg/l contours has continued to decrease slightly as in the past few years. This is apparently in response to the decrease in concentrations near the source areas in OU2 and groundwater pumping near the TCAAP southwest boundary.

High VOC concentrations in the vicinity of Gross Golf Course continue to support the interpretation of a second source in this area.

The Interim Remedial Actions (IRAs) in OU2 continued to operate in FY 94. Continued gradual decreases in groundwater concentrations downgradient of Sites D and G were

observed in FY 94, indicating that the IRAs at these sites are effectively minimizing additional impacts to groundwater.

The TGRS continued to operate according to the performance criteria in the ROD. The TGRS creates a continuous zone of capture along the southwest TCAAP boundary that extends beyond the 5 μg/l TRCLE contour. In FY 1994 the TGRS extracted and treated 1,320,653,000 gallons of water. The mass of VOCs removed was 15,070 lbs. The total VOC mass removed by the TGRS through FY 1994 is 130,937 lbs.

The final remedy for OU3, the PGRS, began operating in FY 1994. The PGRS extracts and treats groundwater at approximately 1000 gpm from an extraction well at the leading edge of the south plume. The PGRS effectively contains the leading edge of the south plume. Treated water is pumped into the New Brighton municipal water system for potable use. In FY 1994 a total of 207,700,000 gallons of water were treated by the PGRS. The PGRS removed 23 lbs. of VOCs in FY 1994. PGRS effluent VOC concentrations met or were below all applicable drinking water criteria in FY 1994.

At Site K the groundwater extraction trench and treatment system continued to operate as designed. The system captured and treated 5,045,768 gallons of water and maintained a continuous zone of capture downgradient of Bldg. 103. A total of 20 lbs. of VOCs were removed in FY 1994.

Monitoring at Site I indicated no significant changes in VOC concentrations in monitored Unit 1 monitoring wells in FY 1994. PCB analyses were not conducted since the groundwater monitoring wells used for PCB monitoring were dry in FY 1994.

In FY 94, the IRA which had been in operation at Site A was terminated and the Site A Removal Action commenced operation. The Site A IRA treated 1,280,000 gallons of water in FY 94 and removed a total mass of five pounds of VOCs since start-up. The Site A Removal Action treated 8.7 million gallons in FY 94 and removed a total mass of

nine pounds of VOCs. The Site A Removal Action is reportedly achieving the desired remediation goals.

As the final remedies for OU1 and OU2 are implemented, the monitoring conducted at TCAAP and documented in this report will transform from site characterization monitoring to final remedy performance monitoring. The performance monitoring will be conducted in accordance with the Performance Monitoring Plans developed for the individual operable units in conjunction with the final remedial actions.

By Fiscal Year 1996, this annual report will be essentially a performance monitoring report and will include the annual performance evaluations for each of the three operable units as well as a comprehensive database of monitoring data from the site.

Section I
Introduction

This Fiscal Year 1994 Annual Monitoring Report (AMR) summarizes and evaluates data from groundwater and surface water monitoring performed at the Twin Cities Army Ammunition Plant (TCAAP). Fiscal Year 1994 (FY 94) extended from October 1, 1993, through September 30, 1994. Monitoring activities were performed in accordance with the "Fiscal Year 1994 Annual Monitoring Plan," submitted as part of the "Fiscal Year 1992 Annual Monitoring Report" (Final Report, July 1993), approved June 25, 1993 (see approval letter in Appendix A), and revised March 16, 1994. The FY 94 Annual Monitoring Plan is included as Appendices C and D to this report.

The purposes of this report are to:

1. Provide a comprehensive source for groundwater and surface water data from TCAAP monitoring activities.

2. Characterize groundwater associated with OU1 and OU2.

3. Assess the performance of the Removal Action at Site A.

4. Assess the performance of the Interim Remedial Action (IRA) systems for remediation of groundwater contamination within OU2 (i.e. the Site K IRA and the TCAAP Groundwater Recovery System, TGRS).

5. Present the performance evaluation of the Plume Groundwater Recovery System (PGRS) for OU3.

6. Characterize surface water conditions at sampling locations both at and near TCAAP.

7. Present the Fiscal Year 1996 Annual Monitoring Plan for TCAAP.

Monitoring activities and submittal of this report are in fulfillment of the Federal Facilities Agreement (FFA) signed August 12, 1987, between the United States Army (Army), United States Environmental Protection Agency (USEPA), and Minnesota Pollution Control Agency (MPCA). Minor modifications to the FFA were enacted in February 1992 and were discussed in the TCAAP FY 92 Annual Monitoring Report.

This report represents the collaboration of work performed by Federal Cartridge Company (FCC) and Alliant Techsystems, Inc. (Alliant). On behalf of FCC, Wenck Associates, Inc. (Wenck) prepared Sections I, II, IV, V, VI, VII, VIII, and IX of this report. On behalf of Alliant Techsystems, Inc., Conestoga-Rovers & Associates (CRA) prepared Sections X-XIII. Wenck and CRA both contributed to Sections III and XIV-XVI. The Fiscal Year 1994 Annual Monitoring Report consists of this volume, plus a set of 34 plan sheets submitted separately.

In general, the tables, trend figures, contour maps, appendices, and discussion topics in this document are consistent with those presented in Fiscal Year 1993 Annual Monitoring Report. However, the following changes were incorporated into this report:

- Cross-sections A-A′ and B-B′ on Plan Sheets 26 and 27 were revised to include new well installations;

- Cross-sections and plan sheets were added for Site A;

- A section was added for evaluation of the OU3 Remedial Action (RA) including associated tables and figures; and

- QA/QC data has been included as an appendix.

If the RAs for all operable units are identified and selected by FY 96, the purpose and scope of this report will be revised to meet the requirements for performance monitoring under Attachment 5 of the FFA. A detailed discussion of the format for the FY 96 AMR is presented in Section XV of this report.

Section II
Background

A. SITE DESCRIPTION

The Twin Cities Army Ammunition Plant, a government-owned, contractor-operated facility, is located near Arden Hills and New Brighton, Minnesota, in the northern portion of the Minneapolis-St. Paul metropolitan area (Figure II-1 and Plan Sheet 2). The facility occupies approximately a four-square mile area immediately east of U.S. Interstate Highway 35W and north of Minnesota Highway 96. Federal Cartridge Company is the contracted operator, and several other private companies, including Alliant Techsystems, Inc., conduct operations on the facility as tenants.

TCAAP was constructed in 1941 to provide small-caliber ammunition for the military needs of the United States. Production began in 1941 and since then there have been periods of activity and shutdown. TCAAP has been in standby status since 1976; however, in 1992 its status was changed to "modified caretaker" which indicates that it will no longer be maintained for the production of ammunition.

During periods of activity, solvents were utilized as part of the manufacturing process. Disposal of solvents at the TCAAP site resulted in groundwater contamination which has migrated beyond the site boundary. Groundwater contamination was first discovered in July 1981 at four of the six TCAAP production wells. Since that time, numerous on- and off-post wells have been installed to monitor and assess the movement and remediation of TCAAP groundwater contamination.

A number of known and potential contaminant source areas have been identified on the TCAAP property: Sites A, B, C, D, E, F, G, H, I, J, K, 129-3, 129-5, and 129-15. These sites are shown on Plan Sheet 3.

VOC contamination primarily from three of the sites has traveled in the groundwater in two distinct contaminant plumes. For purposes of remediation, the areas contaminated by activities at TCAAP have been divided into three areas designated operable units. Operable Unit 1 (OU1) encompasses the more northerly and more extensive of the two groundwater contamination plumes off-TCAAP. Operable Unit 2 (OU2) includes all soil and groundwater contamination on-TCAAP. Operable Unit 3 (OU3) includes the second off-post plume which is located south and east of OU1.

The final remedial action for OU1 will include the installation of additional wells in the City of New Brighton along with a Primary Granular Activated Carbon (PGAC) treatment system. The system will be completed in 1995.

A Feasibility Study (FS) has been prepared for OU2 and will be finalized in 1995. By 1996, the final remedial actions are expected to be identified and selected.

Operable Unit 3 encompasses the off-post area affected by the contaminant plume from Site I. The OU3 plume includes compounds similar to those in the OU1 plume although, in general, the concentrations are lower. The overall extent of the plume is also less and concentrations greater than 10 μg/l extend no more than 1-1/2 miles off-post as measured by the existing monitoring well network.

The final remedy for OU3, the PGRS, became operational in FY 94. The PGRS extracts and treats groundwater from an extraction well at the leading edge of the south plume. Treated water is then pumped into the New Brighton municipal water system.

B. HYDROGEOLOGIC UNITS AND WELL NOMENCLATURE

On- and off-post monitoring wells have been installed in several hydrogeologic units beneath the site. These hydrogeologic units, as referred to in this report, are described below:

Unit 1: Called the Fridley Formation, this unit consists of alluvium and lacustrine deposits above the Twin Cities Formation (Unit 2). The formation is made up of fine- to medium-grained sand and clayey silt which acts as an unconfined aquifer with an estimated hydraulic conductivity of 8.3×10^{-3} cm/sec (International Technology Corp. 1992). The Unit 1 deposits are discontinuous at TCAAP and range in thickness up to 50 feet. They are predominantly limited to the north, east, and southwest portions of the site. Groundwater in Unit 1 is also discontinuous.

Unit 2: The Twin Cities Formation consists of glacial till and, similar to Unit 1, is discontinuous at TCAAP. Unit 2 is generally regarded as an aquitard to vertical migration of groundwater; however, sand and gravel lenses may contain water.

Unit 3: This unit consists primarily of the Hillside Sand Formation which is continuous beneath TCAAP. Near the center of TCAAP, the Hillside Sand is overlain by the Arsenal Sand, which forms a kame. There is no distinct lithologic contact between the Hillside Sand and the Arsenal Sand, and both are considered included in Unit 3. Unit 3 ranges in thickness from 25 to 450 feet. For monitoring purposes, the Unit 3 aquifer thickness has been arbitrarily subdivided into thirds designated as upper, middle, and lower.

Unit 4: This unit consists collectively of the Prairie du Chien and Jordan bedrock formations. For monitoring purposes, the Prairie du Chien is referred to as upper Unit 4, while the Jordan is lower Unit 4.

In order to identify the hydrogeologic unit in which each well is completed, the United States Army Environmental Center (USAEC), formerly the United States Army Toxic and Hazardous Materials Agency (USATHAMA), developed a standardized identification system for wells at TCAAP. Well designations consist of six characters, such as 03U093. The first two characters represent the hydrogeologic unit in which the well is completed, as follows:

01 - Unit 1
03 - Unit 3
04 - Unit 4: Prairie du Chien or Jordan
PJ - Unit 4: Prairie du Chien and Jordan

The third character represents the relative position of the well screen or open hole within the specified hydrogeologic unit, as follows:

U - upper portion
M - middle portion
L - lower portion
J - Jordan sandstone
F - fully penetrating Unit 3
- open hole (total or partial thickness)

The remaining three characters represent the well number, as follows:

001 thru 500 USAEC wells and additional wells installed by others adjacent to an existing well with the 001-500 designation.

501 thru 600 TCAAP wells and FCC wells.

601 thru 800	On-post Alliant Techsystems, Inc. wells.
801 thru 900	Off-post Alliant Techsystems, Inc. and FCC wells.
901 thru 999	Off-post wells (to be determined).

Off-post wells installed by parties other than USAEC, TCAAP, Alliant Techsystems, Inc., or FCC are designated by their Minnesota unique number. A well designation cross reference guide is included as Appendix B which lists all wells of concern, the USAEC designation or Minnesota unique number, and any other name(s) the wells may have. Well locations are illustrated on Plan Sheets 3 and 4.

C. DATA MANAGEMENT

A monitoring program was initiated in January 1984 by USAEC to obtain water level and water quality data at TCAAP. Each year has been divided into quarters with each quarter assigned a number. Accordingly, FY 94 was comprised of Quarter 41 (October through December), Quarter 42 (January through March), Quarter 43 (April through June), and Quarter 44 (July through September).

Data collected at TCAAP is stored in the USAEC Installation Restoration Data Management Information System (IRDMIS). The IRDMIS is managed by Potomac Research, Inc. (PRI) on behalf of USAEC.

Section III
Summary of Relevant Activities in Fiscal Year 1994

A. MODIFICATIONS TO THE MONITORING SYSTEM

A monitoring well located at the Highview Junior High School (409556) had been vandalized in 1992. The well was reconditioned in FY 94 and put back into operation. The well cap had initially been damaged and the well contaminated with debris. The well was redeveloped in FY 93 with limited success. In FY 94 drilling equipment was brought to the well site and the debris was drilled through. Following clearing of the debris, the well was flushed and the debris removed. The well was sampled during the March 1994 sampling event and appears to have returned to its original condition, although the trichloroethene and 1,1,1-trichloroethane concentrations were both at historic high values. 1,1,1-trichloroethane was detected for the first time during this event.

Several monitoring wells were installed on-post to aid in evaluating specific sites as part of the OU2 FS. These included five wells at Site I (I01-MW to I05-M), three wells at Site K (K01-MW, K-02-MW, and K04-M), three wells at Site E (E101-MW to E103-MN), and one well at Site 129-15 (129-1501-MW). These wells were actually installed in FY 92 and FY 93 and were included in the FY 94 Annual Monitoring Plan (AMP).

A private water supply well formerly used as a backup well for Arden Manor began to show contamination in FY 94. The Army is considering options for abandoning this well in FY 95.

B. OPERABLE UNIT 1 ACTIVITIES

During FY 94, several activities were undertaken in preparation for the implementation of the final OU1 RA. These activities followed the finalization of the OU1 FS on July 2, 1993, and the OU1 Record of Decision (ROD) on September 30, 1993. Activities initiated included preparation of the Phase II Well Inventory, preparation of an OU1 Performance Monitoring Plan, preparation of monitoring well and production well conceptual design reports, and construction of the PGAC facility and associated facilities.

The Phase III Well Inventory work is being completed by Wenck. The well inventory builds upon work previously conducted to identify and locate all wells which are present within the aquifers impacted by the OU1 plume. A database of 1800 wells was compiled and 84 residential wells were sampled. The data collected was presented in a Draft-Final report dated May 1994. The final report is expected in early 1995.

A draft OU1 Performance Monitoring Plan was prepared in July 1994 by Montgomery-Watson. Comments to this plan have been received from several agencies and substantial revisions will be made. The plan will likely be finalized in April or May 1995.

The OU1 monitoring well and production well conceptual design reports were being prepared in FY 94, however, they will not completed until FY 95. The production well conceptual design report is being prepared by Barr Engineering and the monitoring well conceptual design report is being prepared by Montgomery-Watson.

The PGAC facility is being constructed under the supervision of Barr Engineering. The facility is scheduled for completion on November 15, 1995. Associated equipment includes a raw water pipeline and a control system, both of which are scheduled for completion in FY 95.

C. OPERABLE UNIT 2 ACTIVITIES

Activities related to OU2 which occurred in FY 94 included completion of a draft OU2 Feasibility Study Report, initial preparation of a RD/RA Work Plan, completion of the draft-final Grenade Range Phase II Report, start-up of the Site A Removal Action, continued soil remediation at Site F, and initiation of the CERCLA Site Characterization and Unexploded Ordnance (UXO) Removal project.

Closure activities at Site J were also completed in FY 94, however, the site will not be officially closed until the OU2 FS is finalized.

The draft OU2 FS report was prepared by Montgomery-Watson and submitted for review by the MPCA and the USEPA in FY 94. The document is in the review and comment period and will be finalized in FY 95.

Montgomery-Watson has also commenced work on the OU2 RD/RA Workplan. This document will ultimately be completed after the final OU2 FS report.

The draft-final Grenade Range Phase II report was completed by Wenck in FY 94 and submitted to the Army for review. The report will be submitted to the regulatory agencies in FY 95.

The Site A Removal Action was completed and started operation on May 5, 1994, and the Site A IRA was shut down on June 14, 1994. The Removal Action system includes new recovery wells and monitoring wells and is discussed in detail in Section IX of this report.

At Site F, soil remediation continued throughout FY 94. To date, approximately 11,500 tons of soil have been treated. Five new disposal areas were discovered in FY 94 which brings the total to 16. Remediation is scheduled for completion in FY 95.

The CERCLA Site Characterization and UXO Removal project commenced in FY 94. FY 94 activities focused on areas east of Snelling Avenue and included brush clearing and magnetometer surveying to locate and remove buried ordnance. Phase II of this project will involve a geophysical survey of Marsden and Sunfish Lakes which will be conducted during the winter of 1995. Phase III will include the areas west of Snelling Avenue. Phase III will complete the project and is scheduled for completion in the summer of 1995.

A Phase I investigation was conducted on the Outdoor Firing Range in FY 94 which included XRF soil screening for copper and lead. The work was conducted at each of the four ammunition catchers. The work will continue with Phase II in FY 95.

A magnetometer survey conducted at the 535 primer/tracer area in FY 94 was the first step in investigation of this site. No work has been conducted at the 135 primer/tracer area.

Sampling was conducted at the Zappa site in FY 94 for characterization of the fill material and a sampling report was subsequently provided to the MPCA. The MPCA responded with a letter indicating the fill is non-hazardous. In FY 95, final classification of the waste will be determined.

D. OPERABLE UNIT 3 ACTIVITIES

The OU3 PGRS became operational in April 1994. The Fridley Interconnection was completed in June 1994. The scope of the OU3 remedial activities is presented in the OU3 Feasibility Study prepared by CRA and dated July 1992. A detailed discussion of PGRS operation, monitoring, and performance for FY 94 is included in Section XIII of this report.

Section IV
Data Collection and Presentation

A. GROUNDWATER LEVELS

1. Data Collection and Management

Groundwater level measurements were performed at monitoring wells in all aquifer units during FY 94 in accordance with the Fiscal Year 1994 Groundwater Level Monitoring Plan. A copy of this plan is included as Appendix C.

The Fiscal Year 1994 Groundwater Level Monitoring Plan established the monitoring responsibilities for both FCC and Alliant Techsystems, Inc. (Alliant). The intent was to delegate monitoring at each well to one party or the other in order to avoid duplication of effort.

Water level monitoring delegated to FCC was performed by STS Consultants, Ltd. (STS) while monitoring for Alliant was conducted by CRA.

For each assigned well, both STS and CRA measured the depth-to-water from top of casing. Using the distance from top of casing to ground surface, STS and CRA determined the depth-to-water from ground surface. This information was then submitted to PRI for entry into the IRDMIS. The IRDMIS contains ground surface elevations measured to tenths of a foot for all wells monitored at and near TCAAP. The ground surface elevations are designated TOS: Top of Surface. The IRDMIS does not include top of casing elevations. PRI subtracted the depth-to-water below ground surface, from the ground surface elevation, to arrive at the groundwater elevation. Because the ground surface elevations are only

recorded to tenths of a foot, the resulting groundwater elevations are also only reported to tenths of a foot.

For preparation of this Fiscal Year 1994 Annual Monitoring Report, Wenck received groundwater elevation data from both FCC and CRA on computer diskettes. The FCC data was retrieved directly from the IRDMIS; whereas, the CRA data was submitted from their own database. All data were then converted into Lotus 1-2-3 format to permit preparation of the groundwater elevation data table (Table IV-1). The groundwater elevation data table presents not only the data for FY 94, but also historic data for every well monitored since November 1987 (Quarter 16).

It should be noted that the reference elevations for TCAAP wells were resurveyed during July-September 1992. This new survey information has been entered into the IRDMIS; therefore, the FY 93 and FY 94 groundwater elevations in Table IV-1 are based upon the new reference information. Historical data are based on the previous elevation information.

To permit comparison between what monitoring was planned and what data were made available to Wenck, notations have been added to the Fiscal Year 1994 Groundwater Level Monitoring Plan (Appendix C) to indicate the data which are contained in the groundwater elevation data table (Table IV-1). For missing data which were to have been collected by FCC or Alliant Techsystems, Inc., correspondence is included in Appendix A.3 providing explanations.

2. Hydrographs

A figure was prepared to illustrate hydrographs for six Unit 1 wells at Site A. These hydrographs are discussed further in Section IX.B of this report. Hydrographs for other wells, at locations selected by the contractors and regulatory agencies, are presented in the appendices as supporting information for evaluation of the TGRS in Section X.

3. Groundwater Elevation Contour Maps

As indicated in the Fiscal Year 1994 Groundwater Level Monitoring Plan (Appendix C), extensive water level monitoring was performed during Spring 1994 (Quarter 42) and Fall 1994 (Quarter 44). The groundwater elevation data from Quarter 42 and Quarter 44 were used to prepare contour maps to illustrate groundwater flow directions.

Groundwater elevation contour maps were prepared using Quarter 42 and Quarter 44 data for the TCAAP site (on-post), and using Quarter 42 data for the overall study area (off-post). Individual maps were developed for upper Unit 3, lower Unit 3, and upper Unit 4. These maps are presented as plan sheets and figures. The figures are simply reductions of the plan sheets and are intended to provide the reader with a general illustration of the groundwater flow conditions. For detailed review of wells and data, the reader should refer to the plan sheets. The on-post groundwater elevation contour maps were prepared by CRA while the off-post contour maps were prepared by Wenck. New survey data collected during July through September 1992 were used on all maps for the FY 94 AMR following its incorporation into IRDMIS. The on-post and off-post contour maps are discussed further in Section V of this report.

Groundwater elevation contour maps were not prepared for the middle Unit 3 aquifer since there are not enough wells screened in this aquifer to justify contouring. However, the data from middle Unit 3 wells for Quarter 42 are shown on the lower Unit 3 contour maps with the data in parentheses. The middle Unit 3 elevations were not used to derive the contour lines, unless there were no nearby lower Unit 3 wells to rely upon. In general, the difference in water levels between middle Unit 3 and lower Unit 3 is insignificant.

For the same reason, wells completed in the Jordan aquifer (04J), and wells completed as open holes intersecting both the Prairie du Chien and Jordan (PJ#), were not used for preparing the upper Unit 4 groundwater elevation contours. These elevations are shown on the upper Unit 4 contour maps with the data in parentheses.

B. GROUNDWATER QUALITY

1. Data Collection and Management

Groundwater quality samples were collected at monitoring wells during FY 94 in accordance with the Fiscal Year 1994 Groundwater Quality Monitoring Plan, a copy of which is included as Appendix D. The plan established the monitoring responsibilities for both FCC and Alliant. The intent was to delegate monitoring at each well to one of the two parties in order to avoid duplication of effort.

Appendix E summarizes the individual parameters included within each analytical category as indicated on the Groundwater Quality Monitoring Plan. Halogenated volatile organic compounds (Category 1) were the parameters of primary interest, while select wells were sampled for aromatic volatile organic compounds (Category 7), metals (Category 2), and cyanide (Category 4). Site A also included sampling for mercury (Category 3) and zinc (Category 9).

Quarterly groundwater sampling delegated to FCC was performed by STS and the analysis was performed by PACE, Inc. (PACE). The wells delegated to Alliant were sampled by CRA and the analysis was performed by PACE. All monthly Site A analysis was performed by PACE, Inc., and the sampling was divided between STS and FCC.

All laboratory data for both FCC and Alliant monitoring was submitted to PRI for entry into the IRDMIS. Data validation is conducted through IRDMIS in accordance with procedures and requirements outlined in the TCAAP QAPP. The data validation process involves constructing control charts of tabulated data and analyzing the data to insure that it meets certain Record Check Requirements and Group Check Requirements. For a more detailed description of the data validation process, the TCAAP QAPP and the IRDMIS User's Guide should be consulted. After entry into the IRDMIS, FCC and CRA retrieved the data for FY 94 and provided it to Wenck on computer diskettes.

All groundwater quality data received by Wenck was converted into Lotus 1-2-3 format to permit preparation of tables. Organic groundwater quality data for FY 94 is presented in Table IV-2, along with historic data back to November 1987 (Quarter 16). Table IV-3 presents inorganic groundwater quality data in a similar manner.

As an additional quality assurance check, Wenck calculated the relative percent difference (RPD) for all duplicate samples collected in FY 94. The FY 94 duplicate sample data and RPD for each well are presented in Appendix I.3. An RPD of 25% was used as a trigger for further review. All RPD values greater than 25% are highlighted in Appendix I.3. In the case of no detection, the detection limit for the particular analysis was used in the RPD calculation. Appendix I.3 shows that many of the RPD values are greater than 25%, however, in most cases this was not sufficient cause to invalidate the data. For example, the 1,2-dichloroethene concentration in well 01U617 on September 6, 1994 was <0.50 μg/l and 0.75 μg/l in the two samples, respectively. This resulted in an RPD of 50%, although the difference is within what might be expected in sample fluctuation. Therefore, samples with RPD values greater than 25% were further screened using professional judgement to identify outliers and the following samples were identified:

Well	Sampling Date	Analytes
01U108	12/9/93	tetrachloroethene, trichloroethene, chloroform
03U026	3/16/94	1,1,1-trichloroethane
249601	3/21/94	tetrachloroethene

These data points were footnoted in Table IV-2 and were not used for interpretation.

To permit comparison between what monitoring was planned and what data were made available to Wenck, notations have been added to the Fiscal Year 1994 Groundwater Quality Monitoring Plan (Appendix D) to indicate the data which are not in the water quality data

tables (Tables IV-2 and IV-3). For missing data which were to have been collected by FCC or Alliant, correspondence is included in Appendix A.3 providing explanations. Additional data was also collected by the MPCA in FY 94; however, this data was not available at the time of this report.

2. Exceedances of Groundwater Action Criteria

In accordance with Attachment 3 of the FFA, all exceedances of the action criteria set forth in Table 3.7A of the FFA have been designated on Table IV-2 by shading. The action criteria are only intended to indicate locations where additional work may be required. In most instances, particularly on-post, the exceedances are already being addressed by Interim Remedial Actions or by the Site A Removal Action. The action criteria are not intended to be cleanup levels.

Further discussion of the groundwater action criteria exceedances for VOCs is provided in Section VII of this report. All of the inorganic groundwater action criteria exceedances occurred at Site A and are discussed in Section IX.

3. Groundwater Quality Contour Maps and Cross Sections

As indicated on the Fiscal Year 1994 Groundwater Quality Monitoring Plan (Appendix D), the most extensive sampling event performed during FY 94 was in March (Quarter 42). The groundwater quality data from Quarter 42 were used to prepare contour maps to illustrate the spatial distribution of groundwater contamination.

Contour maps are provided for trichloroethene and 1,1,1-trichloroethane, as these are the principal individual contaminants on a concentration basis. Contour maps were prepared by Wenck for both the TCAAP site (on-post) and the overall study area (off-post), with individual maps for upper Unit 3, lower Unit 3, and upper Unit 4. These maps are presented as plan sheets with reductions presented as figures. The figures are simply

reductions of the plan sheets and are intended to provide the reader with a general illustration of the groundwater quality conditions. For detailed review of wells and data, the reader should refer to the plan sheets.

Contaminant concentrations for middle Unit 3 wells for Quarter 42 are shown in parentheses on the lower Unit 3 contour maps, but were not used for contouring purposes. Similarly, wells completed in the Jordan aquifer (04J) and wells completed as open holes intersecting both the Prairie du Chien and Jordan aquifers (PJ#) are shown with the data in parentheses on the upper Unit 4 maps, but were not used to develop contour lines.

Contaminant concentrations at recovery wells are also shown in parentheses on the maps, but were not used to prepare the contours. Concentrations of recovery wells generally represent an average contaminant value for all groundwater being drawn to the well; hence, the concentrations do not necessarily represent a discrete location or depth.

To complement the groundwater quality contour maps, two cross sections have been prepared to illustrate the vertical distribution of groundwater contamination. One section line passes through the source area at Site G and follows the north plume off-post, extending past Gross Golf Course (well 200812). The second section line passes through the source area at Site I and traces the south plume off-post through the Plume Groundwater Recovery System (PGRS). Geologic information and the positions of well screens and open holes were taken from well logs obtained from the MPCA, FCC, and CRA.

The two cross sections along with contoured trichloroethene and 1,1,1-trichloroethane data from March 1994 (Quarter 42) are presented as plan sheets with reductions presented as figures. Further discussion of the groundwater quality contour maps and cross sections for on- and off-post is provided in Section VI of this report.

For Site A, concentration contour maps were developed for 1,2-dichloroethene, trichloroethene, and tetrachloroethene as these are the principal contaminants at Site A. In

addition, a benzene map was prepared to illustrate additional data collected during FY 94 as requested by the MPCA. Site A cross-sections were also prepared in FY 94. Contour maps for Site A were prepared only for Unit 1 since this is the aquifer of primary concern. Further discussion of the Site A groundwater quality is provided in Section IX.C of this report.

4. Water Quality Trend Figures

Water quality trend figures have been prepared for select wells and parameters to illustrate changes in concentrations versus time. In addition, Appendix G presents trichloroethene trend plots for the TGRS recovery wells.

The selected wells and parameters are the same as those presented in the Fiscal Year 1993 Annual Monitoring Report. Nearly all trends illustrate trichloroethene concentrations since this compound is the primary indicator of contamination for most of the study area. At Site 129-15 and Site A, trends for additional VOC parameters were prepared. Wells were generally selected to represent conditions near known source areas, the southwest boundary area, and off-post.

Further discussion of the water quality trend figures is included in Section VII, while discussion of the trend figures for Site A is provided in Section IX.C of this report.

C. SURFACE WATER QUALITY

Surface water monitoring during FY 94 at TCAAP consisted of sampling at fourteen locations including six locations required by the TCAAP National Pollutant Discharge Elimination System (NPDES) permit. Under the NPDES permit, the Army is required to monitor six locations, five of which are monitored by FCC (20100-20500) and one which is monitored by Alliant (20201). An additional nine locations not required by the NPDES

Permit are monitored by FCC. The sampling point locations are discussed later in Section VIII of this report. Monitoring is performed for VOCs, PCBs, metals, radionuclides, and various inorganic parameters.

The surface water monitoring and laboratory analysis for FCC was performed by Interpoll Laboratories. All FCC data for NPDES monitoring were submitted to PRI for entry into the IRDMIS. FCC retrieved the data from the IRDMIS and provided it to Wenck on computer diskettes. The data were converted into Lotus 1-2-3 format and are presented as Tables IV-4 (PCB data), IV-5 (organic data), and IV-6 (inorganic data). Further discussion of surface water quality data collected by FCC are presented in Section VIII of this report.

D. GROUNDWATER PUMPING

Groundwater pumping data were collected to aid in evaluating the effect which the pumping has on the shape and migration of the contaminant plume. The data were compiled primarily from a database maintained by the Minnesota Department of Natural Resources (MDNR). The MDNR database includes all permitted wells in Minnesota. Permits are required for wells with pumping rates greater than 10,000 gallons per day or 1,000,000 gallons per year.

A computer record search was performed by the MDNR in August 1993 which included the following areas indicated by township and range: T28N; R23W; T28N, R24W; T29N, R23W; T29N, R24W; T30N, R23W; and T30N, R24W. The data retrieved included well and permit information and groundwater pumping data for 1991 and 1992. Following receipt of the data, the search area was manually narrowed to include only the area surrounding the plume.

Certain data were missing from the MDNR database and the data were supplemented by performing a physical record search at the MDNR offices in St. Paul to fill the data

deficiencies. Additional data were also obtained from the City of St. Anthony regarding the St. Anthony municipal wells.

In December 1994, the database was updated to include new wells installed by the City of New Brighton (NB #13) and Gross Golf Course (Well No. 512761) and new information provided by the MDNR.

The data are presented in Table IV-7. The table includes all permitted wells in the vicinity of the plume and is divided into "High Capacity Wells" and "Other Wells." High capacity wells are defined as those wells with a permitted pumping rate of greater than or equal to 50 gallons per minute. The pumping wells which encompass the TCAAP Groundwater Recovery System (TGRS) and Plume Groundwater Recovery System (PGRS) are not included in Table IV-7.

The calendar year 1994 pumping volume data on Table IV-7 was obtained from the MDNR in August 1995. As is evident by reviewing the table, much of the 1994 data had not yet been incorporated into the MDNR database. The cities of New Brighton and St. Anthony were contacted by telephone to determine their 1994 groundwater use. As shown by the data in Table IV-7, the pumping from these two municipalities includes the vast majority of the groundwater use in the vicinity of the TCAAP plume.

The following data were supplied by the cities of New Brighton and St. Anthony.

MN Unique No.	Common Name	1994 Pumping Volume (Million Gallons)
206793	NBM #3	168.8
206792	NBM #4	168.9
206796	NBM #5	183.5
206797	NBM #6	229.3
206791	NBM #7	0
206795	NBM #8	22.3
206794	NBM #9	0
161432	NBM #10	19.6
509083	NBM #11	5.3
110485	NBM #12	19.4
520931	NBM #13	334.7
200803	SAM #3	100.0
200804	SAM #4	151.7
200524	SAM #5	62.9

Section V
Groundwater Flow

A. UPPER UNIT 1

Unit 1 is discontinuous beneath TCAAP and is primarily a concern only at Sites A, B, C, I, J, and K. Unit 1 is generally absent in the central portion of TCAAP where glacial kame deposits (Unit 3) occur at the surface. Groundwater elevation contour maps are presented and discussed in the sections of this report regarding Sites A and K.

B. UPPER UNIT 3

Groundwater elevation contours for on-post upper Unit 3 are shown on Figures V-1 and V-2 (Plan Sheets 5 and 6) for March and September 1994, respectively. Similarly, Figure V-3 (Plan Sheet 7) presents the groundwater elevation contours in March 1994 for off-post upper Unit 3. Groundwater elevations determined during March 1994 allow assessment of flow directions on-post and in the area southwest of TCAAP, extending approximately 1 mile to near Interstate 694.

The general groundwater flow direction in upper Unit 3 is to the southwest, which is consistent with last year's interpretation. Local variations in flow direction range from west to south. Detailed discussion of pumping effects on groundwater flow conditions in the vicinity of the TGRS is presented in Section X.

Compared to last year, groundwater elevations in upper Unit 3 are approximately three feet higher. Groundwater levels have been rising since about 1990 and this trend of increasing

water levels continued through successive measurements in FY 94. Horizontal hydraulic gradients calculated from groundwater elevation contours at various off-post locations are similar to last year's and indicate a range of approximately 0.004 to 0.002 feet per foot.

C. LOWER UNIT 3

Figures V-4 and V-5 (Plan Sheets 8 and 9) present on-post lower Unit 3 groundwater elevation contours using March and September 1994 data, respectively. Figure V-6 (Plan Sheet 10) presents off-post lower Unit 3 contours for March 1994. The groundwater flow direction in lower Unit 3 is generally to the southwest, similar to that of upper Unit 3. Local variations include a more westerly component near the TCAAP boundary, shifting to a southerly direction near Rush Lake, and then due southwest. Detailed discussion of pumping effects on groundwater flow conditions in the vicinity of the TGRS is presented in Section X. Groundwater elevations are about three feet higher than last year. Horizontal hydraulic gradients calculated from the groundwater elevation contours at various off-post locations indicate a range of approximately 0.004 to 0.0007 feet per foot.

D. UPPER UNIT 4

Figures V-7 and V-8 (Plan Sheets 11 and 12) show on-post upper Unit 4 groundwater elevation contours using March and September 1994 data, respectively. Figure V-9 (Plan Sheet 13) presents off-post upper Unit 4 contours for March 1994. Figures V-7 and V-8 show that on-post groundwater in upper Unit 4 flows to the southwest with little variation. Detailed discussion of pumping effects on groundwater flow conditions in the vicinity of the TGRS is presented in Section X. The off-post groundwater flow pattern is, in general, similar to the findings of the past several years with an overall flow to the southwest. The groundwater flow direction ranges from south to southwest near TCAAP and gradually bends more westward near Long Lake. Beyond Pike Lake, the flow direction begins a gradual

bending southward which is likely in response to pumping at New Brighton Municipal Wells #3 and #6 (206793 and 206797). Near the New Brighton wells, the flow direction continues curving southward towards the St. Anthony municipal well field. South of the St. Anthony well field, the flow direction curves slightly to the southeast toward the Gross Golf Course.

Groundwater elevations are typically three feet higher than last year. At the southern end of the study area, near wells 04U881, 04U882, and 04U883, the groundwater elevation ranged from one to three feet higher than last year. Horizontal hydraulic gradients calculated for the groundwater elevation contours at various locations indicate a range of approximately 0.004 to 0.0007 feet per foot.

E. SUMMARY

The groundwater elevation data collected for Unit 3 and upper Unit 4 indicate that the trend of increasing water levels since 1990 is continuing. However, in most cases groundwater elevations are still lower than levels measured in early 1988 when water levels apparently peaked.

Groundwater flow directions on-post and off-post in upper and lower Unit 3 and upper Unit 4 all exhibit a general southwestward trend. Local variations are observed, particularly near the southwest boundary and further off-post in upper Unit 4 where the groundwater flow direction gradually bends more southward. The off-post upper Unit 4 groundwater elevation contour map suggests that the New Brighton and St. Anthony municipal well fields influence groundwater flow by creating a more southward component to the overall flow regime.

Section VI
Groundwater Quality
for the Overall Study Area

The purpose of this section is to discuss the overall extent of contamination for the study area, including both on-post and off-post. The discussion focuses on VOC contamination and is based primarily upon the groundwater quality contour maps presented as Figures VI-1 through VI-12 (Plan Sheets 14 through 25) and cross sections A-A′ and B-B′ presented as Figures VI-13 and VI-14 (Plan Sheets 26 and 27).

The cross sections provide a perspective of the vertical extent of the trichloroethene and 1,1,1-trichloroethane concentrations over the entire study area for each plume. The cross sections also show the wide range of elevations that the upper, middle, and lower wells are screened at, indicating that the well designation is not an accurate indication of the well placement in all cases.

Discussion of specific sites or areas is provided in Section VII of this report, including trends in contaminant concentrations. Because inorganic monitoring was limited during FY 94, this entire section is devoted to groundwater quality with respect to VOCs. All statements and interpretations should be regarded as referring to VOC groundwater quality only.

A. UPPER UNIT 1

The Unit 1 aquifer is discontinuous beneath TCAAP, principally occurring beneath the northern, western, and southwestern portions of the site. Groundwater impacts are not widespread in Unit 1, but contamination is present near Sites A, I, and K. Because the

impacts are limited to these relatively localized areas, overall groundwater quality contour maps were not prepared for Unit 1. For the purposes of this report, detail maps for Site A have been prepared to illustrate groundwater quality contours and will be presented later in Section IX. Discussion of groundwater quality for Sites A, K, and I are provided in Sections IX, XI, and XII of this report, respectively.

B. UPPER UNIT 3

1. Background Conditions

Background conditions for organic groundwater quality at TCAAP are provided by monitoring wells near the upgradient (eastern) property boundary. Upper Unit 3 wells monitored for this purpose (03U007 and 03U009) were sampled during FY 94. These wells are monitored once every other year and will be sampled next in FY 96.

There were no detections in 03U007 in FY 94, similar to previous years. No trichloroethene was detected in 03U009, however, 1,1,1-trichloroethane was detected in March 1994 at a concentration of 1.45 μg/l. This is the first detection at this well and, since it is an upgradient well, the detection may be the result of contaminants moving on-post from outside TCAAP. Alternatively, it may be an anomalous value and future sampling will verify its accuracy.

2. Contaminant Plume Characterization

a. Trichloroethene

Trichloroethene continues to be the most prevalent contaminant, both on-post and off-post, with respect to concentration values. Groundwater quality contour maps of trichloroethene concentrations in upper Unit 3 are presented as Figures VI-1 and VI-2

(Plan Sheets 14 and 15) representing the on-post and off-post concentrations, respectively. The trichloroethene concentrations are also presented on Figure VI-13 (Plan Sheet 26) as cross sections A-A′ and B-B′ which are constructed roughly along the axes of the "north" and "south" plumes, respectively.

Figure VI-1 (Plan Sheet 14) shows that the north plume originates from plumes at Sites D and G which converge in the area of Building 503. The highest on-post concentrations associated with the north plume are downgradient of these two sites at wells 03U317 (15,000 μg/l, March 1994) and 03U020 (3,600 μg/l, March 1994). Well 03U317 is a recovery well (source recovery well #5) and was not contoured on Figure VI-1 (Plan Sheet 14) since the data obtained from the recovery well represents the average concentration of all groundwater entering the well.

Historically, well 03U093 has had the highest concentrations at the entire site and was as high as 79,000 μg/l in December 1987. Well 03U093 is located immediately downgradient of Site D. The concentration at this well has dropped from 40,000 μg/l in May 1990, to 8,600 μg/l in March 1991, to 2,000 μg/l in March 1992, to 340 μg/l in March 1993, increased to 430 μg/l in March 1994. Similarly, well 03U094 had the highest concentration of the wells near Site G in December 1987 at 18,000 μg/l. The concentration in this well had dropped to 2,600 μg/l in March 1992, increased to 3,200 μg/l in March 1993, and dropped to 1,000 μg/l in March 1994. The general inference is that the source area for groundwater contamination is being reduced by the ISV systems at Sites D and G, and that the TGRS source control wells are removing contaminated groundwater immediately downgradient of both Sites D and G.

In general, the 1,000 μg/l contour is similar to past years on-post. Due to decreases in the concentration at 03U021 from 5,100 μg/l in March 1993 to 600 μg/l in March 1994, the 1,000 μg/l contour has shifted in the vicinity of this well (between Buildings 501 and 503). An increase in the concentration at well 03U708, along the southwest boundary, has shifted the 1,000 μg/l contour a little south in that vicinity.

A decrease at well 03U709 near the southwest boundary resulted in a zone of low trichloroethene concentration within the 1,000 μg/l plume. This zone has developed due to a decreasing trend at 03U709 while 03U708 and 03U711 have been increasing.

Like the 1,000 μg/l contour, the 100 μg/l contour did not change significantly on-post from FY 93 to FY 94. The only change was an outward shift near 03U014 near Site G due to an increase in concentrations from 19.3 μg/l in March 1993 to 480 μg/l in March 1994. This well had concentrations ranging from 5,200 μg/l to 14,000 μg/l prior to 1993.

An increase at well 03U124 at Site 129-15 to a value of 10.40 μg/l resulted in the addition of a 10 μg/l contour around this well in FY 94.

Figure VI-2 (Plan Sheet 15) shows the north plume associated with Sites D and G extending off-post in a gradual westward to southwestward arc as it has in previous years. It appears that the off-post portion of the plume has not extended further downgradient this year, however, the plume has apparently narrowed to the west as evidenced by contaminant concentrations at 234356 of <0.5 μg/l.

The western edge of the plume has shifted slightly outward as a result of an increase in trichloroethene concentrations at 03U822 from <0.50 μg/l (March 1993) to 2.70 μg/l (March 1994). There have been previous detections of trichloroethene at this well in December 1987 (1.65 μg/l), October 1989 (1.40 μg/l) and March 1991 (7.40 μg/l). There has also been a total of five non-detections since 1987 when the well was first sampled.

Cross section A-A' (Figure VI-13 and Plan Sheet 26) shows that the portion of the north plume represented by the 1,000 μg/l contour continues to flow around well 03M806 as it did last year. This effect is perhaps due to a less permeable "clayey" zone that causes the plume to flow around it.

The 1,000 μg/l and 100 μg/l contours end approximately in the area shown on cross section A-A′ where Unit 3 is shown to pinch out. Also, based on cross section A-A′, the 100-μg/l, 10-μg/l, and 1-μg/l contours near Long Lake are interpreted to bend back toward the southwest, even though no data are available for contouring in this area in upper Unit 3.

Figure VI-1 (Plan Sheet 14) shows that the south plume originates at Site I. Contaminant concentrations at many wells downgradient of Site I continued to decrease as was observed in 1993. As examples, wells 03U003 and 03U703, which are on the southeast and northwest sides of the plume, respectively, and well 03U079, which is in the middle of the plume, decreased in concentrations from 450, 180, and 1,500 μg/l to 220, 140, and 710 μg/l, respectively, from March 1993 to March 1994.

The increase of trichloroethene concentration at well 03U659 (at Building 502) from 730 μg/l in March 1993 to 4,400 μg/l in March 1994 resulted in an introduction of a new 1,000 μg/l contour in the southern plume. This is the highest concentration ever detected at this well. However, the decrease of trichloroethene concentration at well 03U801 (just off-post) from 11,000 μg/l in March 1993 to 5,200 μg/l in March 1994 resulted in an elimination of the 10,000 μg/l contour in the plume. This well has been experiencing large variations in concentrations over the past several years, presumably due to its close proximity to the TGRS pumping wells. The increase at well 03U659 is also likely due to the effects of nearby pumping well 03U301.

The 1 μg/l contour in the south plume expanded slightly upgradient due to an increase at well 03U658.

The downgradient extent of the south plume in upper Unit 3 is defined by a concentration of <0.5 μg/l (March 1994) at well 03U673, along Highway 96. However, the cross section interpretation shown on B-B′ (Figure VI-13 or Plan Sheet 26) suggests that the contaminant plume is just below 03U673 in middle Unit 3.

The 1 μg/l contour downgradient from the gravel pit has been eliminated as a result of decreases in trichloroethene concentrations at 03U705 and 03U706 from 6.31 and 4.70 μg/l (March 1993), respectively, to <0.50 and 0.58 μg/l (March 1994).

Other changes in the trichloroethene plume on-post include elimination of the 1 μg/l contour around well 03U016 (east of Site 129-15) and elimination of the 10 μg/l contour around well 03U031 (southeast of Site K). A decrease at well 03U005 also resulted in a decrease in the size of the 1 μg/l plume near Sunfish Lake.

The shape of the plume in upper Unit 3 matches the trend of the groundwater elevation contours. The overall evaluation of trichloroethene concentrations in upper Unit 3 is that of plume reduction near source areas and gradual movement of the plume off-post.

b. <u>1,1,1-Trichloroethane</u>

Groundwater quality contour maps for 1,1,1-trichloroethane in upper Unit 3 have been prepared as Figures VI-3 and VI-4 (Plan Sheets 16 and 17) representing on-post and off-post concentrations, respectively. Similar to the trichloroethene contour maps, 1,1,1-trichloroethane contour maps indicate that Sites D and G are the principal sources for this contaminant. However, the maximum concentrations for 1,1,1-trichloroethane are significantly lower than those for trichloroethene. This observation can be seen by comparing the corresponding contour maps and cross sections A-A′ and B-B′ for each compound.

The highest 1,1,1-trichloroethane concentrations are in the north plume downgradient from the source areas at Sites D and G. The highest concentrations are represented by the 1,000 μg/l contour extending from this area toward the southwest TCAAP boundary. The 1,000 μg/l contour appears to have contracted inward on the south side this year as indicated by a decrease in concentration at 03U021 between Buildings 501

and 503. This well fluctuates from year to year and the decrease in FY 94 is not necessarily an indication of a permanent reduction.

The 1,000 μg/l contour from Sites D and G extends west-southwest slightly beyond wells 03F306 and 03U708, as shown on Figure VI-3 (Plan Sheet 16) and on cross section A-A′ (Figure VI-14 and Plan Sheet 27). Cross section A-A′ indicates that the downgradient extent of the 1,000 μg/l contour has remained relatively unchanged in upper Unit 3 in FY 94, however, Figure VI-3 (Plan Sheet 16) shows that it has shifted south around 03U708 to encompass a larger portion of the southwest boundary.

Similar to trichloroethene, a zone of low 1,1,1-trichloroethane concentration is present within the 1,000 μg/l plume due to a decreasing trend in concentrations at 03U709 while 03U708 and 03U711 have been increasing.

Figure VI-3 (Plan Sheet 16) indicates that the 100 μg/l contour did not change significantly over the past year. The 10 μg/l and 1 μg/l contours have shifted slightly to the northeast in the vicinity of Sites F and 129-15 as the result of increases in 1,1,1-trichloroethane concentrations at wells 03U124 and 03U121.

Figure VI-4 (Plan Sheet 17) shows the north plume extends off-post gradually curving more southward. The southern extent of the north plume in upper Unit 3, as defined by the 10 μg/l and 1 μg/l contours, is based on cross section A-A′ (Figure IV-14 and Plan Sheet 27) and on results for wells 03U822 and 03U832. The 10 μg/l contour has shifted north as a result of a decrease in concentration at 03U822 from 19.5 μg/l (March 1993) to 2.60 μg/l (March 1994). Monitoring well 03U824, located in the vicinity of 03U822, was sampled in March 1994 and also had 1,1,1-trichloroethane concentrations less than 10 μg/l (8.32 μg/l).

The south plume originating from Site I is similar to last year, however, the 100 μg/l contour around 03U079 has been eliminated as a result of a decrease in concentration

at that well to a value less than 100 μg/l. However, a new 100 μg/l contour has been added as a result of an increase in concentration at 03U659 from 32.6 μg/l (March 1993) to 190 μg/l (March 1994) similar to trichloroethene.

The 1 μg/l contour has shifted inward in the vicinity of Site I, as a result of decreases in 1,1,1-trichloroethane concentrations in 03U004 and 03U030.

The south plume appears to diminish in upper Unit 3 near well 03U801 as shown on Figure VI-4 (Plan Sheet 17) and on cross section B-B' (Figure VI-14 and Plan Sheet 27).

Similar to trichloroethene, the 1 μg/l contour downgradient from the gravel pit has been eliminated as a result of decreases in 1,1,1-trichloroethane concentrations at 03U705 and 03U706 from 3.21 and 1.73 μg/l (March 1993), respectively, to <1.00 μg/l (March 1994). The 1 μg/l contour around 03U031 has also been eliminated for FY 94.

C. LOWER UNIT 3

1. Background Conditions

Well 03L007 along the upgradient TCAAP boundary is used to monitor background conditions in lower Unit 3. This well is monitored once every other year. It was sampled during FY 94 and no VOC contamination was detected. The well will be sampled next in FY 96.

2. Contaminant Plume Characterization

a. Trichloroethene

Contour maps for trichloroethene concentrations in lower Unit 3 are provided as Figures VI-5 and VI-6 (Plan Sheets 18 and 19) representing on-post and off-post concentrations, respectively. Recovery wells and middle Unit 3 wells are also shown on the plan sheets, but were not used for contouring purposes. Cross sections A-A′ and B-B′, which include horizontal and vertical trichloroethene distribution in lower Unit 3, are shown on Figure VI-13 (Plan Sheet 26). It is worth noting that cross section A-A′ shows the much deeper screen elevations of lower Unit 3 wells 03L014 and 03L113 located in the bedrock valley region.

Figure VI-6 (Plan Sheet 19) indicates that the 1,000 μg/l contour for the northern plume associated with Sites D and G merges in the vicinity of Building 503.

Although lower Unit 3 wells are not present in the vicinity of Site D, the contours shown on Figure VI-5 (Plan Sheet 18) suggest a distinct lobe from Site D, similar to the lobe defined by 03L020 from Site G.

The on-post contour map shown on Figure VI-5 (Plan Sheet 18) is similar to last year's map. Trichloroethene concentrations at 03L806 and 03L809 decreased from 4,300 and 1,800 μg/l (March 1992) to 410 and 390 μg/l (March 1993) to 230 and 280 μg/l (March 1994), respectively. The reduction of concentration at 03L806 and 03L809 is attributed to pumping contaminated groundwater through recovery wells 03F306 and 03F307.

The 100 μg/l and 10 μg/l contours remained relatively unchanged in FY 94 with the exception of slight contractions of the 100 μg/l contour near 03L021, and the 10 μg/l contour near 03L017 on the south and north of the plume, respectively. There was

also an expansion of the 10 μg/l contour near Site D as a result of a detection at 03L018 of 16.4 μg/l.

On-post, the extent of contamination, as defined by the 1 μg/l contour, is similar to last year's findings. The 1 μg/l contour contracted south in the vicinity of 03L001 and west in the vicinity of 03L091 in response to a reduction in concentration at these two wells. The 1 μg/l contour south of Site D has extended slightly to the east this year in response to an increase in concentration at 03L018 from <0.50 μg/l in March 1993 to 16.4 μg/l in March 1994.

Off-post, the north plume from Sites D and G gradually curves southward towards the southeast edge of Long Lake, as shown on Figure VI-6 (Plan Sheet 19). The 1 μg/l contour has extended southwest as a result of an observed trichloroethene concentration (3.70 μg/l) at 409556. The 1 μg/l contour for the south plume has also extended southwest as a result of an increase in trichloroethene concentration at 03L854 from <0.50 μg/l in March 1993 to 4.88 μg/l in March 1994.

Cross section A-A′ (Figure VI-13 and Plan Sheet 26) shows that the 100 μg/l, 10 μg/l, and 1 μg/l contours for the north plume curve southwestward ending at 409556, where Unit 3 is shown to pinch out.

The trend of the north plume in lower Unit 3 follows the trend of the groundwater elevation contour maps for lower Unit 3 and upper Unit 4 (Figures V-6 and V-9 and Plan Sheets 10 and 13). The north plume in lower Unit 3 is similar to the trend of trichloroethene concentration contours for upper Unit 4 (Figure VI-10 and Plan Sheet 23), which is discussed in following sections.

A separate trichloroethene plume, similar to upper Unit 3, appears downgradient of Site I. The center of this lower Unit 3 plume is near 03L673 and is further off-post

than the corresponding upper Unit 3 portion. This observation is readily reinforced by review of cross section B-B′ (Figure VI-13 and Plan Sheet 26).

The 1,000 μg/l and 100 μg/l contours for the south plume appear to be limited between wells 03L673 and 03L848 as shown on cross section B-B′ (Figure VI-13 and Plan Sheet 26) and on Figure VI-6 (Plan Sheet 19).

This plume also bends southward from TCAAP, but does not extend as far south as the north plume. The north and south plumes are clearly shown to be separated by the results of <0.50 μg/l for 03L841 and 409557 in March 1994, and 03L861 in June 1994.

Concentrations for the Unit 3 recovery wells along the southwest boundary on Figure VI-5 (Plan Sheet 18) were not used for contouring. The concentrations at 03F306, 03F307, and 03F308 match well with the lower Unit 3 contours, while values at 03F302, 03F303, and 03F305 match more closely with those of upper Unit 3 contours; well 03F304 matches both. The above relationships appear to be functions of screened depth and thickness of the Unit 3 aquifer for each respective well. Wells 03F305 through 03F308 are located where Unit 3 extends deeper; thus, these wells are generally screened deeper than 03F302 through 03F304. It should be noted that the concentration at 03F312 does not (usually) match well with either the upper or lower Unit 3 contour maps, which is likely the result of mixing of both upper and lower Unit 3 water, along with clean water, since the extraction well is located near the edge of the plume. Refer to Section X for further discussion of the TGRS.

A concentration of 8.58 μg/l was detected in well 03L858, located just north of the St. Anthony wells 3 and 4 in March 1994. This well has had detections ranging from 5 to 11 μg/l historically, but was reported at <0.5 μg/l in March 1991. As shown on cross-section A-A′ (Figure VI-13 and Plan Sheet 26), this well is located at a much higher elevation than other Unit 3 wells and is actually in a hydraulically separate unit.

This well has had detections of carbon tetrachloride between 29 and 43 μg/l in the past five years. Carbon tetrachloride is not typically found in the plumes emanating from TCAAP indicating that this well is intercepting contaminants from a different source. Therefore, sampling of this well will be discontinued beginning in FY 96.

b. 1,1,1-Trichloroethane

Contour maps for 1,1,1-trichloroethane concentrations in lower Unit 3 are presented as Figures VI-7 and VI-8 (Plan Sheets 20 and 21) representing on-post and off-post concentrations, respectively. Cross sections A-A′ and B-B′ with 1,1,1-trichloroethane contours are presented as Figure VI-14 and Plan Sheet 27.

Similar to the contour maps for trichloroethene, the plumes from Sites D and G are merged on-post in lower Unit 3. Figures VI-7 and VI-8 (Plan Sheets 20 and 21) show more separation between the north plume and the south plume than do the corresponding trichloroethene contour maps.

Figures VI-7 and VI-8 (Plan Sheets 20 and 21) show that the 1,000 μg/l contour for the north plume contracted significantly in FY 93 as a result of a decrease in 1,1,1-trichloroethane concentration in 03L077 and 03L806 from 1,300 and 1,200 μg/l in March 1992 to 950 and 25 μg/l in March 1993, respectively. Well 03L077 continued to show this trend of decreasing concentration (180 μg/l in March 1994). Well 03L806 increased slightly in March 1994 to 50.1 μg/l.

The extent of the 1,1,1-trichloroethane plume, as defined by the 1-μg/l contour, is narrower on-post than the trichloroethene plume.

Based on cross section A-A′, (Figures VI-14 and Plan Sheet 27) the contours on Figure VI-8 (Plan Sheet 21) suggest that the lower Unit 3 1,1,1-trichloroethane north plume bends sharply between Rush Lake and Long Lake and subsequently trends

southwest past Pike Lake towards well 409556 where Unit 3 appears to pinch out. This interpretation is supported by the groundwater elevation contour maps for lower Unit 3 and upper Unit 4, and the general trend of 1,1,1-trichloroethane and trichloroethene contours for upper Unit 4.

The south plume originating from Site I does not appear to have significantly impacted lower Unit 3 on-post, as seen on Figure VI-8 (Plan Sheet 21) and cross section B-B' (Figure VI-14 and Plan Sheet 27). Impacts off-post are delineated based on cross-section B-B' which shows the 1 μg/l and 10 μg/l contours extending through lower Unit 3 to well 04U673 in upper Unit 4.

D. UPPER UNIT 4

1. Background Conditions

Background conditions for organic groundwater quality in upper Unit 4 are provided by monitoring wells 04U007 and 04U510 near the eastern TCAAP boundary. These wells were sampled during FY 94. 1,1,1-trichloroethane was detected in 04U510 at a low level (0.89 μg/l) in March 1994. Trichloroethene, 1,2-dichloroethane, and 1,2-dichloroethene were detected in 04U007 at concentrations of 0.51, 1.41, and 0.39 μg/l, respectively. A duplicate sample at this location yielded similar results. Similar to upper Unit 3, these are the first detections in these wells and the contaminants may be coming from off-post. These wells are monitored once every other year; therefore, they will be sampled next during FY 96.

2. Contaminant Plume Characterization

a. Trichloroethene

Contour maps for trichloroethene concentrations in upper Unit 4 are included as Figures VI-9 and VI-10 (Plan Sheets 22 and 23) representing on-post and off-post concentrations, respectively. Figure VI-9 (Plan Sheet 22) and cross section A-A′ on Figure VI-13 (Plan Sheet 26) show that the maximum trichloroethene concentrations in upper Unit 4 are defined by the 1,000 μg/l contour near well 04U806. This well is located off-post and had the highest trichloroethene concentration (2,500 μg/l).

Similar to last year, an unusual feature is created by the 1 and 10 μg/l contours near wells 04U001, 04U713, and 04U714. Pumping at wells PJ#313 and PJ#311 may be decreasing trichloroethene concentrations near 04U713, thus causing the sharp contours. The 10 μg/l contour contracted in this area due to a decrease in concentration at 04U714 to 4.53 μg/l. The 1 μg/l also contracted on this side of the plume due to a non-detection at 04U713.

Figure VI-10 (Plan Sheet 23) indicates that the 1 μg/l contour encompasses both the north and south plumes migrating southwest away from TCAAP. The 10 μg/l contours show separation between the two plumes near TCAAP, but further south, in the vicinity of 04U832, the 10 μg/l contours indicate a gradual merging of the two plumes. Further south, the plumes diverge once again as evidenced by a concentration of 2.96 μg/l at well 409548. The low concentration at this well suggests this is an area of relatively lower hydraulic conductivity in the Prairie du Chien, perhaps a less fractured zone.

Figure VI-10 (Plan Sheet 23) illustrates that the north plume originating from Sites D and G swings southward away from TCAAP and apparently bends back westward in the vicinity of Long Lake. Furthermore, as noted last year, the north plume appears to

split into two lobes in the vicinity of Long Lake as defined by the 100 μg/l contour, which extends west toward 409549, then back east toward 04U849, and finally back west towards 206797. Both lobes of the 100 μg/l contour contracted in FY 94 as a result of decreases at wells 409549 and 04U871. The westward shift of the plume is most likely in response to pumping at New Brighton municipal wells #3 and #6 (206793 and 206797), but the cause for the plume split is not obvious.

The 1,000 μg/l contour for the north plume has contracted near wells 04U844 and 04U847 as shown on Figure VI-10 (Plan Sheet 23). The concentration decreased from 1,300 μg/l in March 1993 to 790 μg/l in March 1994 for 04U847 and from 1,100 μg/l in March 1993 to 710 μg/l in June 1994 for 04U844.

The 10 μg/l and 1 μg/l contours suggest that the north plume bends once more southward in the vicinity of well 206797, probably in response to pumping of St. Anthony municipal wells located further south near Silver Lake Road.

Figure VI-10 (Plan Sheet 23) also shows that the 1 μg/l contour for the north plume has extended east (as it was in 1992) in the vicinity of Poplar Lake as a result of an increase of trichloroethene concentration in 04U852 from 0.75 μg/l in March 1993 to 3.20 μg/l in March 1994 and in 409555 from <0.50 μg/l in March 1993 to 11.7 μg/l in March 1994. The 1 μg/l contour has also extended west (south of Hart Lake) as a result of an increase of trichloroethene concentration in 04U881 from 0.89 μg/l in March 1993 to 3.19 μg/l in March 1994.

Cross section A-A' was revised to include wells 04J834 and 04U834 installed in FY 93 as part of the off-post well installation documented in the FY 93 AMR. Each of these wells had detections less than 10 μg/l necessitating breaking the 10 contour in this area. This does not necessarily indicate a break in the plume at this location, but merely shows where the cross section line does not follow the axis of the plume.

The 100 μg/l contour around the Gross Golf Course wells (200812 and 512761) was eliminated in FY 94 as a result of decreases in concentration at both of these wells. However, the concentrations are still much higher than those upgradient as shown on Figure VI-10 (Plan Sheet 23) and cross section A-A′ on Figure VI-13 (Plan Sheet 26). These higher concentrations provide evidence for a separate source of trichloroethene which is contributing to the plume south of County Road C. This interpretation was also discussed in the FY 93 AMR. Wells 04U834 and 04U882, located between the St. Anthony municipal wells and the Gross Golf Course, had trichloroethene concentrations of 6.65 and 25.9 μg/l, respectively, in March 1994. Based on this data and other historical data, it is unlikely that the north plume is the sole source of trichloroethene in the Gross Golf Course wells which had concentrations of 90 μg/l and 84 μg/l, respectively, in September 1994.

The 1 μg/l contour contracted west on-post around 04U003 (south plume) as shown on Figure VI-9 (Plan Sheet 22). This was a result of the decrease of trichloroethene concentration from 4.23 μg/l in March 1993 to <0.50 μg/l in March 1994.

Figure VI-10 (Plan Sheet 23) shows that the maximum concentrations of the south plume for upper Unit 4 are defined by the 100 μg/l contour around 04U673. The concentration at 04U673 decreased from 3,100 μg/l in May 1990 to 990 μg/l in March 1991 to 460 μg/l in March 1992 to 280 μg/l in March 1993 to 270 μg/l in March 1994.

Cross section B-B' which runs through the south plume was revised in FY 94 to include wells installed for the 0U3 PGRS. As a result of a non-detection obtained from the new well 04J864, the 10 μg/l and 1 μg/l contours were revised to show the plume only in the Prairie du Chien Formation. The south plume was also extended in FY 94 due to a detection of 3.20 μg/l in 04U852.

b. 1,1,1-Trichloroethane

Contour maps for 1,1,1-trichloroethane are presented as Figures VI-11 and VI-12 (Plan Sheets 24 and 25) representing on-post and off-post, respectively. Figure VI-14 (Plan Sheet 27), presents cross sections for 1,1,1-trichloroethane through the north and south plumes. The shapes of the plumes are generally the same as for trichloroethene, but the 1,1,1-trichloroethane concentrations are lower.

Similar to last year, this year the maximum concentration of the plume from Sites D and G is defined by a 100 μg/l contour (as opposed to 1,000 μg/l in previous years) around 04U806 extending to Building 503, as shown on Figure VI-12 (Plan Sheet 25) and cross section A-A′ (Figure VI-14 and Plan Sheet 27). The elimination of the 1,000 μg/l contour in 1993 was the result of a decrease in the concentration at well 04U806 (from 1,400 μg/l in March 1992 to 720 μg/l in March 1993). The concentration at 04U806 continued to drop in 1994 (460 μg/l in March 1994).

The 10 μg/l and 1 μg/l contours contracted to the south in FY 94 as a result of decreased concentrations at wells 04U701 and 04U714, respectively.

Near Long Lake, the north plume bends westward and branches into two lobes, similar to the trichloroethene plume, as shown by the 10 μg/l contour. The 10 μg/l contour extends further west and south past New Brighton municipal well #6 (206797). Decreasing concentrations at well 04U871 (from 11 μg/l in March 1993 to <1.00 μg/l in March 1994) resulted in shifting the 10 μg/l and 1 μg/l contours north of this well. The 2.97 μg/l concentration observed at 206688 in March 1994 resulted in an expansion of the 1 μg/l contour to encompass this well. Figure VI-12 (Plan Sheet 25) also shows that the 1 μg/l contour has shifted west of well 04U834 as a result of a decrease in 1,1,1-trichloroethane concentrations from 1.78 μg/l in May 1993 to <1.00 μg/l in March 1994.

Cross-section A-A' shows the 1 μg/l and 10 μg/l contours breaking at two locations south of well 206797. As with the trichloroethene cross-section, this does not necessarily indicate a break in the plume, but shows where the plume is outside of the cross section line does not follow the axis of the plume.

Similar to the trichloroethene contour map for upper Unit 4, Figure VI-9 (Plan Sheet 22) and cross section A-A' (Figure VI-14 and Plan Sheet 27) suggest that a separate source of 1,1,1-trichloroethane is contributing to the plume south of County Road C. The 10 μg/l contours for the two plumes remain separated by a distance of over 2 miles. As with the trichloroethene contour maps, this interpretation was discussed in the FY 93 AMR.

Impacts to upper Unit 4 from the south plume are similar to previous years and are centered around 04U673. The plume has contracted in FY 94 as a result of no detections at wells 04U802, 04U848, and 04U860.

E. VINYL CHLORIDE

Relative to the other VOC compounds, vinyl chloride has a low groundwater action criteria which justifies special discussion for this parameter. As set forth in revised Table 3.7A of the FFA, the groundwater action criteria for vinyl chloride is 0.015 μg/l. During FY 94, similar to previous years, vinyl chloride was not detected in any wells above the method detection limits, as shown in Table IV-2.

F. SUMMARY

The groundwater quality contour maps indicate that Sites D and G are sources for VOC contamination. The plumes from these two sites merge in the vicinity of Building 503 on-post, and continue to progress off-post as the "north" plume. As in previous years, the north plume continued to show reductions in contaminant concentrations near the source areas in FY 94. The reductions near the source areas indicates that remediation of the soils at Sites D and G is effectively minimizing additional impacts to groundwater.

The contour maps also show that Site I is a source area of VOC contamination; however, the magnitude and extent of the Site I plume (the "south" plume) are less than those of the plume associated with Sites D and G. The main body of the Site I plume is clearly distinguishable from the plume associated with Sites D and G.

The on-post upper Unit 3 aquifer has the most VOC contamination. As the contamination moves downgradient, it is also migrating progressively deeper within the series of aquifer units. Thus, relative to lower Unit 3 and upper Unit 4, contamination in upper Unit 3 represents the highest concentrations on-post, but the downgradient extent of contamination in this unit off-post is the least. Conversely, upper Unit 4 shows the least impact on-post, but the greatest impact off-post.

Contamination in upper and lower Unit 3 and upper Unit 4 trends southwestward as it migrates away from TCAAP. Near Long Lake, apparently in response to pumping at New Brighton municipal wells #3 and #6, the path of the north plume (or the 0U1 plume) swings south. Unit 3 appears to pinch out into a clay unit near 409556 and New Brighton municipal well #3. Upon encountering the relatively impermeable clay in Unit 3, the contaminants are apparently moving completely downward into the underlying Prairie du Chien (upper Unit 4). In this same area, the plume turns southward once more towards the St. Anthony municipal well field.

Well 03L858, located approximately 1/2 mile north of County Road C, had a detection of trichloroethene of 8.58 μg/l in March 1994. This well is at a much higher elevation than all other lower Unit 3 wells and is in a completely separate hydrologic unit. Furthermore, this well had a detection of carbon tetrachloride (30.4 μg/l) in March 1994. Carbon tetrachloride is not typically encountered at TCAAP, which suggests that the well is being impacted by a source other than TCAAP. Similar observations were noticed in 1993.

The data suggest trichloroethene and 1,1,1-trichloroethane from TCAAP may have migrated south of County Road C. Furthermore, the plume cross sections (Figures VI-13 and VI-14 and Plan Sheets 26 and 27) indicate the possibility that a separate source, unrelated to TCAAP, may be contributing to the concentrations at wells 200812, 234546, 234547, and 512761 located south of County Road C. This interpretation is supported by data collected from new wells installed in FY 93 in the vicinity of County Road C. The data from these new wells are generally at least an order of magnitude lower than the data from the Gross Golf Course wells. Furthermore, the wells installed in the Jordan Formation (04J wells) have much lower contaminant concentrations than the wells installed in the Prairie du Chien Formation (04U wells) indicating that contaminant transport is occurring primarily in the Prairie du Chien Formation.

The overall trend of the contaminant concentrations in both the north and south plumes is a reduction in concentrations near the source areas. In terms of the concentration contours, the 1,000, 100, and 10 μg/l contours are generally shrinking in size both on-post and off-post. However, as a whole the 1 μg/l contour has remained relatively unchanged since 1992 although it fluctuates in response to sporadic detections at perimeter wells.

Section VII
Groundwater Quality for Specific Areas

A. KNOWN OR POTENTIAL SOURCE AREAS

1. Site A

Discussion of groundwater quality data for Site A is presented in Section IX of this report.

2. Site B

Site B, located along the northern boundary of TCAAP, consists of old building foundations where waste disposal was suspected. However, historic groundwater sampling at Site B has not detected any significant groundwater contamination.

Wells 01U036 and 03U082 at Site B were sampled during March 1994 for halogenated VOCs (Category 1). The results showed that no halogenated VOCs were detected.

3. Site C

Site C, located along Mounds View Road in the north-central portion of TCAAP, was documented as a potential disposal site. Historic groundwater sampling has not detected any significant contamination.

Groundwater sampling performed at Site C in FY 94 was done as a continued check on groundwater quality. Well 01U085 was sampled during March 1994 for halogenated VOCs (Category 1) to evaluate Unit 1 water quality. Analytical results showed no detection of any

halogenated VOCs during the March sampling event. Historic data are shown in Table IV-2. Well 01U045 was also sampled in March 1994 for total phosphate which was detected at 58.1 μg/l.

An upper Unit 3 monitoring well (03U083) was also sampled during March 1994 to monitor water quality for Category 1 and Category 7 parameters. No halogenated or aromatic VOCs were detected for this sampling event similar to the past three years. Low levels of aromatic VOCs, specifically benzene at 1.25 μg/l and toluene at 5.26 μg/l, were reported in 1990. Prior to 1990, sampling of 03U083 in August 1988 did not detect any aromatic or halogenated VOCs.

4. Site D

Site D, located in the central portion of TCAAP, has contributed significant contamination to the Unit 3 and 4 aquifers due to past activities. Active remediation at Site D is being performed by a soil vapor extraction (SVE) system and a groundwater recovery system. The groundwater recovery system utilizes pumpout wells 03U316 and 03U317 located downgradient as shown on Figure VI-1 to capture contaminated groundwater for treatment and disposal within TCAAP.

Unit 1 and Unit 2 are not present at Site D, thereby allowing solvents disposed at Site D to migrate directly into Unit 3.

In general, upper Unit 3 remains the most contaminated aquifer near Site D. Although the trichloroethene concentration at 03U093 (430 μg/l in March 1994) is higher than that of March 1993 (340 μg/l), the trichloroethene concentrations at 03U093 indicate a decreasing trend over the past four years (40,000 μg/l in May 1990, 8,600 μg/l in March 1991, 2,000 μg/l in March 1992, 340 μg/l in March 1993, and 430 μg/l in March 1994). The concentration at 03U018 dropped from 2,500 μg/l in May 1990 to 240 μg/l in March 1991, and increased to 4,500 μg/l in March 1992 and 4,700 μg/l in March 1993, and has dropped

again to 910 μg/l in March 1994. The reduction at 03U093 indicates that the SVE system is effectively minimizing additional contamination of the groundwater at Site D. The fluctuation in contaminant concentration at well 03U018 is likely the result of pumping at the Site D source recovery wells.

During 1994, contaminant concentrations in several Site D wells exceeded the groundwater action criteria specified in revised Table 3.7A of the FFA (Appendix A). Concentrations of trichloroethene exceeded the action criteria of 2.80 μg/l at wells 03U017, 03U018, 03U093, 03U096, 03U316, 03U317, 03M017, 03L017, and 03L018. Also, 1,1,1-trichloroethane concentrations at wells 03U018, 03U093, 03U096, 03U317, and 03M017 exceeded the groundwater action criteria of 22 μg/l. Wells 03U093, 03U096, 03U316, and probably 03U317 (because of high method detection limits) exceeded the groundwater action criteria for 1,1-dichloroethene. In addition, wells 03U317, 03U093, 03U316, and probably 03U317 (because of high method detection limits) exceeded the groundwater action criteria for 1,1-dichloroethane. Well 03U317 has high method detection limits because of the dilution needed to detect the high levels of trichloroethene (15,000 μg/l). All of these wells are within the capture zone of the TGRS. All VOC groundwater action criteria exceedances are indicated on Table IV-2 by shading.

Water quality trend figures have been prepared showing variations in trichloroethene concentrations near Site D. These figures plot the concentrations of well 03U093 as a source strength well and wells 03U017, 03M017, and 03L017 as downgradient wells. The trend figures are included as Figures VII-1 and VII-2. In general, the figures show that trichloroethene is decreasing both near the source area and also at the downgradient well nest composed of upper, middle, and lower Unit 3 wells which supports the finding that remediation efforts are successfully reducing contaminant concentrations near Site D.

5. Site E

Site E, located in the central portion of TCAAP, was used as a burning area and debris burial site (Argonne National Laboratory, 1990). The focus of groundwater sampling has been on Unit 3 since Units 1 and 2 are absent at the site.

Historically, low levels of trichloroethene and tetrachloroethene have been detected within Site E at wells 03U088 and 03U089. Trichloroethene has also been detected consistently at 03U704, along with 1,1,1-trichloroethane prior to April 1990. Aromatic VOCs have historically not been detected and have been eliminated from sampling in recent years.

During March 1994, wells 03U015, 03U089, 03U704, 519288 (E101-MW), 519289 (E102-MW), and 519290 (E103-MW) were sampled and analyzed for halogenated VOCs (Category 1). Well 03U704 is also used to evaluate conditions near the gravel pit area, which is located upgradient of Site E.

Groundwater quality based on March 1994 analytical results indicates that there were VOC detections in wells 03U089, E101-MW, E102-MW, and E103-MW. Trichloroethene was detected in E101-MW, E102-MW, and E103-MW. 1,2-dichloroethane was also detected in E102-MW and E103-MW. Well 03U089 also has 1,2-dichloroethane and tetrachloroethene which is similar to March 1993 and consistent with data prior to March 1992.

Water quality trend Figures VII-3 and VII-4 present trichloroethene concentrations for 03U088/03U089 and 03U704, respectively. The figures show a fairly stable, low range of detections.

Well 03U015, located downgradient of Site E, had detections of tetrachloroethene, trichloroethene, and 1,2-dichloroethene in August 1988, but these parameters were not detected prior to or after that event.

Well 03U704 is the only Site E well which has detected 1,1,1-trichloroethane in recent sampling with low levels reported during Quarters 23-25 (July 1989 - January 1990). However, no detection of 1,1,1-trichloroethane has occurred at 03U704 since January 1990 and in March 1994, 03U704 had no VOCs detections.

The 1,2-dichloroethane detection in well 03U089 was the only exceedance of the groundwater action criteria at Site E in FY 94.

6. Site F

Site F, located along Snelling Avenue in the south-central portion of TCAAP between Sites D and G, is reported to have been used for the burning of explosives and the burial of mercury crack cases (Argonne National Laboratory, 1991).

Unit 3 represents the aquifer of primary concern for this location. Historically, wells in upper Unit 3 have shown significant levels of halogenated VOCs, primarily 1,1,1-trichloroethane and trichloroethene, and to a lesser extent 1,1-dichloroethene. Chloroform has also historically been detected in certain Site F wells along with sporadic detections of aromatic VOCs, specifically benzene and toluene. Cyanide has also been detected in upper Unit 3.

The VOC contamination present in Site F wells seems likely to be the result of disposal practices associated with nearby Sites D and G. Additional soil sampling and analysis was performed at Site F during December 1990 through February 1991. The results indicated that with the exception of methylene chloride, no halogenated VOCs were detected in any of the soil samples.

Similar to FY 93, methylene chloride was not detected at any of the wells during FY 94. This indicates that previous methylene chloride detections are likely the result of laboratory contamination.

Sampling proposed for Site F in the 1994 Annual Monitoring Plan consisted of annual sampling for both halogenated VOCs and inorganics at two upper Unit 3 wells, and for halogenated VOCs only at six additional upper Unit 3 wells and one lower Unit 3 well.

Concentrations of 1,1,1-trichloroethane and trichloroethene at Site F have remained fairly constant, as reaffirmed by FY 94 analytical results. Well 03L113 continued to have non-detectable levels of these two compounds; well 03U113 showed a trichloroethene concentration of 0.82 μg/l in March 1991, but was not detected in 1993 or 1994. The highest concentrations observed at Site F are 160 μg/l for trichloroethene (well 03U121) and 39.5 μg/l for 1,1,1-trichloroethane (well 03U114). Figure VII-5 shows trichloroethene water quality trends for wells 03U114 and 03U026. The trend figure indicates a decrease in trichloroethene concentration at well 03U114 and stable low detections at 03U026.

Chloroform continues to be consistently detected in wells 03U026, 03U090, 03U092, 03U112, and 03U114, with the concentrations remaining fairly constant. Chloroform values are included in Table IV-2.

Cyanide (Category 4) was not detected in either 03U112 or 03U121 during March 1994.

Wells 03U026, 03U090, 03U092, 03U112, 03U114, and 03U121 exceeded the groundwater action criteria established in revised Table 3.7A in Appendix A of the FFA for trichloroethene. Wells 03U026, 03U090, 03U114, and 03U121 also exceeded the action criteria for 1,1,1-trichloroethane. Wells 03U090, 03U092, 03U114, and 03U121 exceeded the action criteria for 1,1-dichloroethene. The action criteria was also exceeded for 1,2-dichloroethane in 03U019, 03U026, 03U090, 03U112, 03U114, and 03121. Chloroform concentrations in 03U026, 03U090, 03U092, 03U112, and 03U114 also exceed the action criteria. All of these wells are within the capture zone of the TGRS. A complete listing of groundwater exceedances, as well as the action criteria, is included in Table IV-2.

7. Site G

Site G, also located on Snelling Avenue just south of Site F in the south-central portion of TCAAP, has contributed significant contamination to Units 3 and 4. Until approximately 1978 (Argonne National Laboratory, 1991), Site G was reportedly used as a dumping area for waste products, including solvents. Corrective measures, including a soil vapor extraction (SVE) system and a groundwater recovery system, have been installed and are currently operating at this location.

Halogenated VOCs, particularly 1,1,1-trichloroethane, trichloroethene, and 1,1-dichloroethene, are the primary contaminants of concern at Site G.

The Site G sampling proposed in the 1994 Annual Monitoring Plan consisted of annual sampling of wells 03U014, 03U020, 03U094, 03U314, 03U315, 03M020, and 04U020. All wells were sampled for halogenated VOCs.

Trichloroethene concentrations were plotted to evaluate trends at Site G and are presented in Figure VII-6. The figure shows that concentrations have had a generally decreasing trend at wells 03U014 and 04U020 since 1987. Well 03U094 has historically had the highest concentrations of all wells near Site G, but has decreased from 18,000 μg/l in December 1987 to 2,600 μg/l in March 1992, increased to 3,200 μg/l during March 1993, but decreased again in March 1994 to 1,000 μg/l.

The decreases in concentrations at wells near Site G indicate that the Interim Remedial Actions are effectively reducing the source for groundwater contamination.

The 1994 groundwater quality data show contamination above the groundwater action criteria at all Site G wells. All of these wells are within the capture zone of the TGRS. A complete listing of the groundwater action criteria and the water quality data which exceeds the action criteria is included as Table IV-2.

8. Site H

Site H, located in the southeast portion of TCAAP just north of Sunfish Lake, was reportedly used as a burning area for combustibles and a dumping and burning area for waste that included solvents (Argonne National Laboratory, 1991).

Historic groundwater sampling at Site H has not detected any significant contamination.

Groundwater quality monitoring for 1994 consisted of sampling upper Unit 1 well 01U098 and upper Unit 3 well 03U099 during March 1994 for halogenated VOCs.

Trichloroethene and 1,2-dichloroethane were observed at 01U098 in March 1994 at 0.38 and 0.34 μg/l, respectively. At well 03U099, trichloroethene and 1,1,1-trichloroethane were detected at 1.46 and 1.99 μg/l, respectively, in March 1994. These data are similar to those from FY 93, however, they are higher than the period up to FY 92 during which there had been only one detection of each compound.

9. Site I

Alliant Techsystems, Inc. has provided a discussion on groundwater quality at this site in Section XII. Figure VII-7 shows trichloroethene water quality trends for 03U029.

10. Site J

Site J is a buried underground sewer line located in the southwest portion of TCAAP which extends from the south side of Building 576 to a pumping station northwest of Building 105. The sewer line transported solvents, grease, and other materials that entered floor drains in Building 576 (Argonne National Laboratory, 1991).

Groundwater sampling in the Site J area has focused on Unit 1. Historic groundwater sampling at Site J has not detected any significant contamination. Of the ten Unit 1 wells used to monitor groundwater quality in the vicinity of Site J, only one well, 01U526, has ever detected contaminants.

During March 1994, a check of groundwater quality was performed by sampling well 01U526 for halogenated VOCs (Category 1). Similar to last year, results show a low concentration of trichloroethene at 1.50 μg/l, which is consistent with previous levels. Figure VII-8 shows that trichloroethene concentrations for 01U526 have remained stable.

Closure activities have been completed at Site J with the concurrence of the MPCA and the U.S. EPA. Therefore, no further groundwater sampling will be conducted at Site J.

11. Site K

Alliant Techsystems, Inc. has provided a discussion on groundwater quality at this site in Section XI.

12. Site 129-3

Site 129-3, located in the central portion of TCAAP between Sites D and E, was used from 1971 until approximately 1978 to dispose of wastewater generated from lead styphnate production facilities into leaching pits located at the site and spent mercurous nitrate solution into a separate pit (Argonne National Laboratory, 1991).

Units 1 and 2 are not present at Site 129-3; thus, the primary unit of concern is Unit 3. Low levels of trichloroethene and 1,1,1-trichloroethane were detected in well 03U087 prior to 1991, while 03U521 had shown sporadic detections of trichloroethene from November 1987 to April 1990. The April 1990 event was the last sample collected from this well.

Well 03U087 was sampled during March 1994 for halogenated VOCs (Category 1) and cyanide (Category 4) as a check on groundwater quality. The results showed 1,2-dichloroethane at 0.33 μg/l and no cyanide. No trichloroethene or 1,1,1-trichloroethane were observed.

13. Site 129-5

Site 129-5, located in the east-central portion of TCAAP, was used for the burning of explosive wastes which may have included solvents (Argonne National Laboratory, 1991).

It is thought that Units 1 and 2 may be discontinuous throughout the site; therefore, the primary unit of concern is Unit 3.

In general, historic groundwater sampling has shown that no significant groundwater contamination has resulted from activities at Site 129-5. In April 1988, no halogenated VOCs were detected at 01U072, the only Unit 1 well at the site. This well has not been sampled since that time. Trichloroethene and 1,1,1-trichloroethane had been detected in Quarter 16 at well 03U111, but only trichloroethene was detected in Quarter 18. In Quarters 19 and 20 no halogenated VOCs were detected. Sporadic detections of trichloroethene had been reported at 03U097 prior to 1991.

Monitoring in 1994 consisted of sampling well 03U097 for halogenated VOCs during March. Results revealed low levels of 1,1,1-trichloroethane (0.71 μg/l) and trichloroethene (0.39 μg/l).

14. Site 129-15

Site 129-15, located in the central portion of TCAAP north of Site F, appears to have been used as a general dump for building materials from approximately 1957 to 1978 (Argonne National Laboratory, 1991). Halogenated VOCs, particularly 1,1,1-trichloroethane and

trichloroethene, are present in the four upper Unit 3 wells and the one lower Unit 3 well located in and around Site 129-15. Sporadic detections of aromatic VOCs, specifically benzene and toluene, have also been observed in the wells. Aromatic VOCs were not reported in Site 129-15 soils in the draft OU2 FS, however, that document reported xylenes in Site D soils at 20 μg/g at a depth of 145 feet. Site D is located immediately adjacent to Site 129-15.

During 1994, wells 03U016, 03U032, 03U090, 03U124, 519291 (1291501-MW), and 03L091 were sampled in March for halogenated VOCs.

Site 129-15 wells had detections of one or more of the following compounds: trichloroethene; 1,1-dichloroethene; 1,2-dichloroethene; 1,1-dichloroethane; 1,2-dichloroethane; 1,1,1-trichloroethane; and chloroform. Well 03U016, located upgradient of Site 129-15, did not detect any halogenated VOCs in March 1992, but detected trichloroethene at 1.04 μg/l in March 1993 and 1,2-dichloroethane at 0.40 μg/l in March 1994. Well 03L091 showed only trichloroethene at a concentration of 1.16 μg/l during March 1993 sampling, but had 1,2-dichloroethane (0.53 μg/l) in addition to trichloroethene (0.36 μg/l) in March 1994.

A complete listing of analytical results for the organic parameters is included in Table IV-2.

The groundwater concentrations observed at Site 129-15 during 1994 exceeded the groundwater action criteria for trichloroethene; 1,1-dichloroethene; 1,1,1-trichloroethane; 1,2-dichloroethane; and chloroform. This site is within the capture zone of the TGRS. A complete listing of the groundwater action criteria and the water quality data which exceed the action criteria is included as Table IV-2.

Figure VII-9 displays water quality trends of both trichloroethene and 1,1,1-trichloroethane for 03U032 and 03U124, which show that these compounds have been declining in

concentration although well 03U124 showed a slight increase in both compounds in June 1994.

15. Gravel Pit

Because contamination levels of some concern were detected in wells upgradient of Site E during 1989, the gravel pit located in the north-central portion of TCAAP is discussed here as a potential source area.

Historically, wells 03U704, 03U705, and 03U707 have had low levels of 1,1,1-trichloroethane and trichloroethene. Data results from Quarter 24 (October 1989) showed a significant increase in the levels of these compounds in wells 03U704 and 03U705, located downgradient of the gravel pit, and 03U707, located northwest of the gravel pit.

Groundwater sampling conducted in 1994 consisted of March sampling of wells 03U704, 03U706, and 03U707, and March and September sampling of well 03U705. All samples were analyzed for halogenated VOCs (Category 1).

Wells 03U704, 03U705, and 03U706 are located downgradient of the gravel pit and all showed decreases in both trichloroethene and 1,1,1-trichloroethane concentrations from March 1993 to March 1994. The only VOC detection in these three wells in FY 94 was trichloroethene at 0.58 μg/l in well 03U706 in March 1994.

Well 03U707, located northwest of the gravel pit, had shown relatively consistent levels between 2 and 13 μg/l of trichloroethene through March 1991. In March 1992, this value had decreased to 0.75 μg/l, and in March 1993 and March 1994 trichloroethene was not detected. The 1994 groundwater quality data (Table IV-2) show that 1,2-dichloroethane concentrations in 03U707 exceeded the groundwater action criteria. This is the first detection of this compound in the gravel pit wells since 1988.

B. BEDROCK VALLEY

A channel or valley exists in the bedrock beneath TCAAP and was investigated as part of the Bedrock Valley/Monitor Well Installation Survey conducted by STS Consultants in 1986.

Specifically, a northwest-southeast trending valley exists which can be marked by an axis running through monitoring well nest 005 in the southeast, to monitoring well 03L138 located slightly east of Site G and continuing past monitoring well 03L137 located within Site F.

The bedrock valley is eroded through the Prairie du Chien Dolomite and the Jordan Sandstone, thereby encountering the St. Lawrence Dolomite. The bedrock valley has been filled with Unit 3 unconsolidated deposits, as shown on cross section A-A′ (Figure VI-13 and Plan Sheet 26).

Wells installed into the bedrock valley include the 005 well nest (03U005, 03M005, and 03L005), well 03L081 located southeast of Site G off Federal Road, well 03L137 located on the western edge of Site F, and well 03L138 located east of Site G. All these wells, except 03L137, were sampled in March 1994 for halogenated VOCs.

Historically, the wells located in the bedrock valley have shown no detection of aromatic VOCs and only low levels of various halogenated VOCs. Well 03U005 has shown sporadic detections at low levels of trichloroethene and 1,2-dichloroethene. The values in March 1994 were <0.50 μg/l and 2.76 μg/l, respectively. Well 03M005 had trichloroethene at 0.29 μg/l and well 03L005 had 1,2-dichloroethane at 0.25 μg/l in March 1994.

Well 03L138 showed trichloroethene at 1.72 μg/l for the first time during September 1990 and March 1991 results showed 0.58 μg/l trichloroethene. In March 1993 and 1994, trichloroethene was not detected in 03L138. 1,2-dichloroethane was the only VOC detected in 03L138 at 0.38 μg/l in March 1994.

Well 03L081, sampled for the first time in May 1990, showed trichloroethene at 7.7 μg/l; this value decreased to 1.97 μg/l for March 1991, but increased in March 1992 to 12.30 μg/l. In March 1993, trichloroethene was not detected in well 03L081, but in March 1994, trichloroethene and 1,2-dichloroethane were detected in 03L081 at 0.94 μg/l and 0.30 μg/l, respectively.

The uncontaminated water quality history of well 03L005 has historically provided assurance that contamination from Sites D and G, which lie at least partially over the bedrock valley, has not migrated off-post through the bedrock valley. However, 1,2-dichloroethane was detected in this well in March 1994 at 0.25 μg/l. Future sampling will determine whether this is an anomalous value or a true indication of VOCs at this location.

Groundwater flow analysis indicates that flow within the valley does not vary significantly from the general Unit 3/Unit 4 southwesterly direction. This is due to relatively similar hydraulic characteristics of the bedrock and valley fill sediments.

C. MISCELLANEOUS ON-POST WELLS

Well 03U031 is located in the west-central portion of TCAAP, southeast of Site K; however, this well is not considered a Site K monitoring well since it is located hydraulically sidegradient to upgradient.

Well 03U031 has had low detections of trichloroethene since January 1988 and one detection of 1,1,1-trichloroethane in May 1988. In March 1993, the detections of these two compounds were 13.30 and 1.43 μg/l, respectively. The trichloroethene concentration decreased to 1.79 μg/l in March 1994 (i.e., below the action criteria for trichloroethene of 2.8 μg/l as set forth in revised Table 3.7A in Appendix A of the FFA). 1,1,1-trichloroethane was not detected in March 1994.

Figure VI-1 (Plan Sheet 14) shows a 1-μg/l contour for trichloroethene encircling only well 03U031, since no detections were reported at 03U015 to the east or 03U083 to the north. No 1 μg/l contour is shown on Figure VI-3 (Plan Sheet 16) for 1,1,1-trichloroethane around well 03U031.

Well 03U009 is a background monitoring well located near the northeast TCAAP boundary. This well has had no detections of organic compounds since it was first sampled in 1987, however, in March 1994 1,1,1-trichloroethane was detected in the well at 1.45 μg/l. Future monitoring at this well will determine whether this was an anomalous detection or an indication of contaminants moving on-post from off-site.

D. OFF-POST

Groundwater trend figures were prepared using off-post wells to evaluate changes in water quality in Unit 3 and Unit 4 at select locations.

Figure VII-10 shows trichloroethene concentrations at wells starting just downgradient of TCAAP (04U847), travelling southwest to the 821 well nest, and continuing to the 846 well nest and 04U844 just north of Interstate 694. Except for the 846 well nest, cross section A-A′ (Figure VI-13 and Plan Sheet 26) illustrates these wells and their relationship within the north plume. This figure shows that the concentration in well 04U847 increased through approximately 1991 and has decreased since, while the concentrations in the remaining wells have either decreased continually or remained stable. Cross section A-A′ shows that the 821 nest is higher in elevation than 04U847 and 04U844 and that the contaminant concentration is greater at lower elevations.

Figure VII-11 shows trichloroethene concentrations at middle and lower Unit 3 wells of the 848 well nest located between Interstate 35W and Round Lake to the southwest of TCAAP. This well nest is in the southern portion of the south plume and is shown on cross-section

B-B′ (Figure VI-13 and Plan Sheet 26). Also shown on this figure are the lower Unit 3 well and upper Unit 4 well from the 832 well nest located slightly north of Interstate 694.

Trichloroethene concentrations in wells 03L848 and 04U848 have been decreasing since July-October 1989. Conversely, the concentration at 03M848 has increased from 190 μg/l in April 1990 to 700 μg/l in September 1991 and decreased slightly to 640 μg/l in March 1992, but increased to 1,300 μg/l in March 1993 and decreased to 910 μg/l in March 1994. The other wells shown on Figure VII-12 do not show any obvious trends.

Figure VII-13 shows trichloroethene concentrations at 409549 northwest of Pike Lake, continuing to well 04U877 directly south of Pike Lake, continuing further south to 200812 (Gross Golf Course), and ending further downgradient at well 233221. In general concentrations in wells 04U877, 233221, and 409549 show a slight declining trend; whereas, well 200812 has remained relatively steady. The other wells shown on Figure VII-14 do not show any obvious trends.

E. SUMMARY

Monitoring data for FY 94 show that Sites D, G, and I continue to represent the primary source areas for groundwater contamination in Unit 3 and Unit 4. However, decreases of contaminant concentrations near Site D, Site G, and Site I indicate that corrective actions are diminishing the sources of groundwater contamination.

For Unit 1, the primary sources for groundwater contamination are Sites A, I, and K. Discussion of water quality for Unit 1 at these three sites is presented in Sections IX, XI, and XII of this report.

Relative to the primary source areas mentioned above, monitoring at Sites B, C, E, F, H, J, 129-3, 129-5, and 129-15 indicates that these sites do not represent significant sources for

groundwater contamination. No exceedances of TCAAP groundwater action criteria were observed during FY 94 at Sites B, C, H, J, 129-3, or 129-5. Site E had one low level exceedance of tetrachloroethene. Exceedances observed at Site F wells appear to be related to the plume at Site G and not the result of activities at Site F.

Contamination above the TCAAP action criteria does not appear to be migrating off TCAAP via the bedrock valley as evidenced by the low concentrations of VOCs in well 03L005 near the southern property boundary and by the valley's lack of effect on Unit 3 and Unit 4 groundwater flow patterns.

Section VIII
Discussion of Surface Water Quality

Surface water monitoring during FY 94 at TCAAP consisted of sampling at fourteen locations including six locations required by the TCAAP National Pollutant Discharge Elimination System (NPDES) permit and an additional nine locations monitored by FCC. Under the NPDES permit, the Army is required to monitor six locations, five of which are monitored by FCC (20100-20500) and one of which is monitored by Alliant Techsystems, Inc. (20201). The data collected for the NPDES permit are reported to the MPCA Division of Water Quality as required by the permit. The TCAAP surface water data collected by FCC are included in Tables IV-4, IV-5, and IV-6. Figure VIII-1 is a map showing the surface water monitoring locations.

In this section, the surface water data are compared to the TCAAP Surface Water Action Criteria as referenced in Table 3.7B of the FFA. These criteria are compiled from several different sources and are designed to trigger further evaluation of the data. The Action Criteria are not meant to designate clean-up criteria.

Locations 20100, 20200, 20300, 20400, 20500, 20700, 20800, 20900, 21000, 21100, 21200, 21300, 21400, and 21600 were sampled in May 1994 for PCBs. No PCBs were detected in FY 94 as shown in Table IV-4.

These same locations were sampled for VOCs on a quarterly basis, with the exception of 21200, 21300, 21400, and 21600 which were sampled annually. Table IV-5 shows that trichloroethene and methylene chloride were the only VOCs detected in surface water in FY 94. Trichloroethene was detected at 20200 at 32.0 μg/l and 3.26 μg/l in November 1993 and March 1994, respectively. The detection in November 1993 was above the surface

water action criteria of 15 μg/l. Location 20200 represents the outfall from Buildings 103 and 114 and the November 1993 detection may be related to Site K Treatment System effluent which was reported at 34 μg/l and 32 μg/l in two separate samples on September 16, 1993.

Methylene chloride was detected in surface water samples at eight locations in FY 94. All of the detections were along Rice Creek. In November 1993 methylene chloride was detected at location 20900 at 3.38 μg/l. This location is upstream of TCAAP and also had a detection in August 1995. The August 1995 sampling event yielded detections at all eight locations along Rice Creek at concentrations ranging from 4.82 μg/l to 28.40 μg/l. The QA/QC data from these sampling events yielded no methylene chloride detections, therefore, the detections in the samples cannot definitely be attributed to laboratory contamination and further monitoring is required to evaluate the source of the methylene chloride.

Table IV-6 shows that cyanide, nickel, and mercury were not detected at concentrations greater than the surface water action criteria at any locations during FY 93.

The laboratory detection limits for 1,1-dichloroethene, mercury, and cyanide are above the surface water action criteria; therefore, these values are indicated on Tables IV-5 and IV-6 as exceedances although the actual values may be below the surface water action criteria.

Chromium was detected above the action criteria of 11 μg/l at 20400 and 20900 with concentrations of 130 μg/l and 15.2 μg/l, respectively, on November 11, 1993. Three subsequent samplings at each of these locations in FY 94 resulted in values less than 11 μg/l. Location 20400 represents the Building 104/116 outfall and location 20900 is a sampling location on Rice Creek upstream from TCAAP. The cause of the detections is unknown, however, if future sampling yields additional detections, additional investigation may be warranted.

Zinc concentrations above the action criteria of 47 μg/l were reported at all locations except 21600 in FY 94. The maximum concentration was 211 μg/l at 20200 on August 25, 1994.

The surface water action criteria for chromium and zinc are "U.S. EPA water quality criteria for protection of aquatic life - chronic effects," as referenced in Table 3.7B of the FFA. The exceedances of these criteria were sporadic and no additional action, beyond continued monitoring, is warranted at this time. Beginning in FY 95, additional surface water monitoring will be conducted at some locations in accordance with the revised Surface Water Monitoring Plan presented in the TCAAP FY 93 AMR.

The remaining inorganic parameters shown in Table IV-6 do not have surface water action criteria although several of the parameters were detected at low concentrations at various locations in FY 94.

Section IX
Evaluation of Site A Remedial Systems

A. INTRODUCTION

1. Location

Site A is located near the northern boundary of TCAAP as shown on Plan Sheet 3. Areas within Site A may have been used for the disposal of waste products, including sewer sludge, solvents, explosive-containing wastes, and mercury-contaminated cartridges (Argonne National Laboratory, 1991). Burning and/or disposal of these wastes may have begun as early as 1940 and continued until 1966 (Argonne National Laboratory, 1991).

2. Geology

The geology of the site consists of Quaternary-aged deposits which include the following units:

Fridley Formation (Unit 1)
Twin Cities Formation (Unit 2)
Hillside Sand Formation (Unit 3)

The Fridley Formation or Unit 1 is comprised of lacustrine silts to medium-grained sands which act as a shallow unconfined aquifer. The unit generally increases in thickness to the north and west and is approximately 15-47 feet thick in the vicinity of Site A. Unit 1 is the primary aquifer of concern in the Site A area. The underlying Twin Cities Formation or Unit 2, which consists of a glacial till, acts as an aquitard (Whitman, 1980). Cross sections

have been prepared using the data collected by FCC and Dahl and Associates, Inc. The cross sections illustrate geologic, water level, and water quality conditions at select locations of Site A. A cross section location map is included as Figure IX-1 while the cross sections are shown on Figure IX-2 (Plan Sheet 28).

The locations of the monitoring wells, recovery wells and piezometers located in and around Site A are shown on Figure IX-1.

B. GROUNDWATER FLOW EVALUATION

1. Summary of FY 94 Monitoring Activities

During FY 94, water level readings were measured at all 30 Unit 1 monitoring wells in and around Site A during Quarters 42 and 44. In addition, upon startup of the Site A Removal Action on May 31, 1994, approximately weekly water level measurements were collected at 12 piezometers, 8 extraction wells, and 13 monitoring wells throughout the remainder of FY 94. The groundwater elevation data obtained are presented in Table IV-1.

2. Flow Direction

Operation of the Site A Interim Remedial Action (IRA) and the Site A Removal Action affected the groundwater flow pattern at Site A. The effects of these two systems are discussed later in Section IX.D. Figure IX-3 (Plan Sheet 29) show conditions when the Site A IRA (recovery well 01U350) was operating, but not the Site A Removal Action.

The Unit 1 groundwater flow direction at Site A is generally west/northwest as shown on Figure IX-3 and Plan Sheet 29, which depicts the specific conditions during March 1994 (Q42). Upon the request of the MPCA, the Unit 1 groundwater elevation map has been contoured without using the water level reading from recovery well 01U350. The

groundwater flow direction is consistent with the flow direction observed in previous Annual Monitoring Reports. Groundwater flow is to the northwest near recovery well 01U350 on the north side of Building 308. The groundwater flow interpretation in the southwest portion of Figure IX-3 (Plan Sheet 29) suggests a change to a more westerly and west/southwesterly flow direction. This interpretation is based on a small number of data points and interpolation is performed over a large area; however, this interpretation is not unlikely as groundwater in Unit 1 appears to flow towards Rice Creek.

Rice Creek is a generally north-south trending water body which is approximately 1,200 to 1,700 feet west of Mounds View Road. The USGS topographic map (New Brighton Quadrangle, revised 1980) indicates that the elevation of Rice Creek is approximately 875 feet above Mean Sea Level just west of Site A. This elevation matches well with the groundwater elevations and gradient observed at Site A, which supports the interpretation that groundwater in Unit 1 discharges to Rice Creek.

Unit 1 groundwater elevations for March 1994 indicate a difference of approximately 5 feet across the Site A area. The horizontal hydraulic gradient has remained relatively steady at Site A and in March 1994 varied from approximately 0.003 to 0.006 feet per foot. Using the results of a pumping test performed by International Technology Corporation on well 01U117 in July and August 1992, a hydraulic conductivity value of 8.3×10^{-3} cm/sec was calculated for Unit 1 (International Technology Corporation, 1992). Using this hydraulic conductivity, the maximum horizontal hydraulic gradients shown above, and an assumed porosity value of 0.35, the horizontal groundwater velocity is calculated to be approximately 0.20 to 0.40 feet/day or 73 to 146 feet/year.

3. Groundwater Level Trends

Site A Unit 1 monitoring wells reported an average decrease in groundwater levels of approximately 3.8 feet in FY 94. Groundwater hydrographs for select monitoring wells and

the recovery wells have been prepared and show water level fluctuations that have occurred over the Site A area. The hydrographs are included as Figure IX-4 through Figure IX-6.

Water levels in recovery wells 01U351 through 01U358, installed as part of the Site A Removal Action, have decreased an average of 5.4 feet since monitoring of these points began in March 1994. In general, the recovery wells affected the greatest drawdown shortly after pumping commenced and water levels have generally risen since then as illustrated on Figures IX-5 and IX-6. This is likely due to iron bacteria fouling. Effective treatment of iron bacteria fouling was not accomplished until early in FY 95.

The Unit 1 wells in general had exhibited declining groundwater levels in FY 88, FY 89, FY 92, and FY 94 due to below-average precipitation in the Minneapolis-St. Paul metropolitan area. Groundwater levels increased in FY 90, FY 91, and FY 93. Figure IX-4 illustrates the historical fluctuations in groundwater levels.

C. GROUNDWATER QUALITY EVALUATION

1. Summary of FY 94 Monitoring Activities

Groundwater sampling at Site A during FY 94 included sampling events conducted in March, June and September 1994. The sampling events allow for comprehensive tracking of groundwater quality to evaluate the extent of contamination.

In addition, a minimum of 6 sampling events were performed at monitoring wells 01U108 and 01U902 and recovery well 01U350 to evaluate water quality at critical locations and to observe operating conditions related to the Site A Interim Remedial Action (IRA), which was shut down June 14, 1994.

Upon startup of the Site A Removal Action (RA) on May 31, 1994, the eight recovery wells (01U351-01U358) and the four off-post monitoring wells (01U901-01U904) were sampled monthly throughout the remainder of FY 94.

Sampling at Site A in FY 94 was generally performed for halogenated and aromatic VOC's (Category 1 and 7 respectively). In addition, sampling for inorganic parameters was performed at the MPCA's request during Quarter 42 and 44 and included the following parameters;

- Antimony
- Arsenic
- Barium
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Manganese
- Mercury
- Molybdenum
- Nickel
- Selenium
- Silver
- Thallium
- Vanadium
- Zinc

Lastly, Wenck Associates, Inc. sampled 18 residential wells in the Edgetown Acres Area of Shoreview, immediately north of Site A. These wells were sampled for halogenated VOCs (category 1) in March 1994 as part of the Phase III Well Inventory Study. The data from these sampling events is included in Table IV-2.

2. Contaminant Discussion

Contaminant plume contour maps were prepared for Site A using the Spring 1994 (Quarter 42) sampling results and the cross-sections were prepared using Fall 1994 (Quarter 44) sampling results. Contour maps were developed for 1,2-dichloroethene, trichloroethene, tetrachloroethene, and benzene which are present in the groundwater at Site A. The contour maps are presented on Figures IX-7, IX-8, IX-9, and IX-15 (Plan Sheets 30, 31, 32, and 33), respectively. Water quality samples collected at recovery wells are used on the contour maps because the samples at the recovery wells were collected

before the system commenced operation. On future contour maps the data will be included in parenthesis but will not be used for contouring since the data will not represent true concentrations at discrete sampling points. Groundwater quality data collected since Quarter 16 (Fall 1987) for organic and inorganic parameters are included in Tables IV-2 and IV-3, respectively.

a. Organic Parameters

1. 1,2-Dichloroethene

1,2-Dichloroethene concentrations reported for the March 1994 sampling event were used to create an isoconcentration map which is included as Figure IX-7 (Plan Sheet 30). Water quality trends for 1,2-dichloroethene at selected Site A wells are presented as Figures IX-10 through IX-12.

1,2-Dichloroethene was detected in 10 of the 24 monitoring and recovery wells sampled with the highest concentration (540 μg/l) present at monitoring well 01U102, as shown on Figure IX-7 (Plan Sheet 30). Monitoring wells were sampled in March while the recovery wells were sampled in May. The historic fluctuations in 1,2-dichloroethene concentrations at 01U102 are illustrated on Figure IX-10.

1,2-Dichloroethene was also detected in two of 18 residential wells sampled as part of the Phase III Well Inventory Study. The Martin well (Minnesota Unique Number 234372) and the Gamradt well (Minnesota Unique Number 249004) had detections of 10.07 and 1.35 μg/l, respectively, as shown on Figure IX-7 (Plan Sheet 30). Other Edgetown Acres wells which are in the vicinity of Site A are also shown on Figure IX-7 (Plan Sheet 30).

Monitoring well 01U102 appears to be the source strength well for contamination which may have originated from disposal pits 6 through 8. The 100 μg/l contour extends from monitoring well 01U102 downgradient to incorporate the detections at 01U139, and recovery well 01U356 as shown on Figure IX-7 (Plan Sheet 30). The 100 μg/l contour encompasses a smaller area than depicted in the FY 93 AMR due to the decreased concentrations observed at 01U140. Cross-Section C-C′ on Figure IX-2 (Plan Sheet 28) illustrates the migration of 1,2-dichloroethene from the O1U102 area.

Well 01U350 has taken over for monitoring well 01U108 as the source strength well for disposal pits 2 and 5 as shown on Figure IX-7 (Plan Sheet 30). Contamination which may have originated from disposal pits 1 and 4 also may be contributing to the north plume. In general, concentrations observed in the area of pumping, as reported in well 01U108, continue to decrease as shown on Figure IX-12.

Higher concentrations in the north plume are now present at 01U117 and 01U902, both downgradient of 01U108 and the source area. Cross section D-D′ on Figure IX-2 (Plan Sheet 28) illustrates the migration of 1,2-dichloroethene in the north plume.

The depiction of two plumes, each emanating from separate disposal pit areas, is supported by 01U125, which has historically never detected 1,2-dichloroethene. Cross section B-B′ on Figure IX-2 (Plan Sheet 28) illustrates this situation.

In FY 94, concentrations of 1,2-dichloroethene at monitoring wells 01U102, 01U117, 01U139, 01U140, 01U902 and recovery wells 01U352, 01U353, 01U355, 01U356 and 01U357 exceeded the groundwater action criteria of 70 μg/l, as set forth in revised Table 3.7A of the FFA. Wells 01U102 and 01U117 have been in exceedance of the groundwater action criteria since October

1989 and March 1991, respectively. Water quality trend figures for these wells are included as Figures IX-10 and IX-11, respectively. Groundwater action criteria exceedances for FY 94 are included in Table IV-2. The concentrations observed at 01U902 throughout FY 94 (illustrated on Figure 11) suggest that contamination above the groundwater action criteria has migrated off the TCAAP property.

2. Trichloroethene

Trichloroethene concentrations reported for the March 1994 sampling event have been used to create an isoconcentration map which is included as Figure IX-8 (Plan Sheet 31). Water quality trends for trichloroethene at selected Site A wells are included as Figures IX-10, IX-12, and IX-13.

The initiation of IRA pumping seems to be responsible for the decreased concentrations of trichloroethene in monitoring well 01U108. Trichloroethene concentrations at 01U108 appear to have peaked in August 1988 at 750 μg/l and have generally decreased to 1.06 μg/l in June 1994, as shown in Table IV-2 and illustrated on Figure IX-12. Well 01U350 now appears to be the source strength well near disposal pits 2 and 5, as shown on Figure IX-8 (Plan Sheet 31).

Monitoring well 01U102 appears to be a source strength well downgradient of disposal pits 6 through 8, as shown on Figure IX-8 (Plan Sheet 31). Trichloroethene concentrations at 01U102 also have decreased from 300 μg/l in July 1990 to 1.71 μg/l in September 1994 as shown on Figure IX-10.

Concentrations may be decreasing in well 01U117, located downgradient of monitoring well 01U108 and pumping well 01U350. After reaching a peak of 47.00 μg/l in March 1993, concentrations have decreased to 11.90 μg/l in

September 1994, which may be due to better capture from the pumping well or may be a fluctuation in the strength of the source area.

Similar to 1,2-dichloroethene, trichloroethene has historically never been detected at 01U125 which supports the interpretation of two plumes originating from different source areas.

Trichloroethene concentrations continue to be detected in the off-site area to the northwest of Site A. Consistent levels of trichloroethene continue to be observed at 01U902 as shown on Figure IX-13. Further west of 01U902, consistent detections at the Martin well (Minnesota Unique Number 234372) indicate that trichloroethene also extends past the Martin well as depicted in Figure IX-8 (Plan Sheet 31).

Trichloroethene contamination in Unit 1 at Site A was detected at ten of the 24 wells sampled during March 1994. A total of five monitoring and 4 recovery wells in and around Site A exceeded the 2.8 μg/l trichloroethene groundwater action criteria during FY 94. A listing of this data is included in Table IV-2.

3. Tetrachloroethene

Tetrachloroethene concentrations reported for the March 1994 sampling event were used to create an isoconcentration map which is included as Figure IX-9 (Plan Sheet 32). Water quality trends for tetrachloroethene at selected Site A wells are presented as Figures IX-10, IX-12, and IX-14.

As shown on Figure IV-12 and in Table IV-2, the tetrachloroethene concentrations at 01U108 fluctuated between <0.83 and 58.2 μg/l during FY 94. The data suggest a fluctuating, but overall decreasing trend since July 1991.

Figure IX-14 shows that the tetrachloroethene concentration at 01U350 has fluctuated between 20 and 60 μg/l since October 1988.

Tetrachloroethene contamination in Unit 1 was detected at five of the 24 locations sampled during March 1994. It should be noted that analytical results from monitoring wells 01U139, 01U901, 01U902, and recovery wells 01U352, 01U353, 01U355, and 01U356 had elevated detection limits in FY 94. The highest tetrachloroethene concentration detected during March 1994 was reported at 01U350, which appears to be the source strength well from disposal sites 1 through 5, as shown on Figure IX-9 (Plan Sheet 32).

Monitoring well 01U125, which has historically not shown tetrachloroethene, also supports the interpretation that contaminants are migrating from Site A from two separate disposal areas.

Tetrachloroethene concentrations in Site A Unit 1 wells have been above the 0.7 μg/l groundwater action criteria set forth in revised Table 3.7A of the FFA. The typical method detection limit is 1.0 μg/l for tetrachloroethene; hence, any detection of tetrachloroethene exceeds the action criteria. Tetrachloroethene exceedances were reported at six wells (01U102, 01U108, 01U117, 01U127, 01U350 and 01U351) during FY 94. However, periodic elevated detection limits as discussed above hamper the ability to accurately assess water quality conditions and determine groundwater exceedances. A listing of FY 94 groundwater action criteria exceedances is included in Table IV-2.

4. Benzene

Benzene was detected in 20 of 47 wells sampled in FY 94 including all Site A recovery wells and three of four off-post monitoring wells as shown in

Table IV-2. Benzene concentrations from the Spring 1994 (Q42) sampling event have been contoured and are included as Figure IX-15 (Plan Sheet 33).

The mapped benzene concentrations exhibit a pattern which is similar to the halogenated VOCs discussed earlier. Detections at 01U902 and 01U904 indicate that benzene has migrated off the TCAAP facility. Limited historical benzene data is available for off-site, however, 01U901 has never detected benzene, while 01U902 has sporadically detected benzene since July 1990. Wells 01U903 and 01U904 were not sampled for benzene prior to FY 94.

During FY 94, the highest concentration (270 μg/l) was detected at recovery well 01U352. The source area for this detection is questionable as monitoring wells 01U117 and 01U108 have never detected benzene above 3 μg/l. Monitoring wells 01U117 and 01U108 serve as monitoring points for disposal pits 1-5. The value (270 μg/l), along with the detection at 01U353, are somewhat suspect as concentrations from the other four sampling events at these wells in FY 94 were approximately an order of magnitude lower as shown in Table IV-2.

During the March sampling event, the highest concentrations were observed at 01U157 and 01U139 as shown on Figure IX-15 (Plan Sheet 33). The source area for these detections is also questionable as 01U102 is relatively low.

An isolated 1 μg/l contour is drawn around the detection at 01U038. This detection is thought to be an anomaly.

During FY 94, the benzene groundwater action criteria of 0.70 μg/l was exceeded at 18 wells as illustrated by the shaded data in Table IV-2. These exceedances included each of the RA recovery wells and three of the four off-site monitoring wells.

Continued benzene monitoring is warranted to evaluate RA capture and off-site migration.

5. Other VOCs

Toluene was detected at six of the 47 wells sampled in FY 94 at concentrations ranging from 0.49 to 11 μg/l. The toluene detections were sporadic and at each location where it was detected, other samples in FY 94 did not detect the contaminant. No pattern to the toluene detections is apparent. Furthermore, no well at Site A has ever exceeded the toluene groundwater action criteria of 2,000 μg/l. Toluene data is included in Table IV-2. No additional toluene monitoring is proposed.

b. Inorganic Parameters

At the request of the MPCA, a comprehensive metals sampling event was conducted at Site A during FY 94. The metals samples were collected during March and September (Quarters 42 and 44). In addition, the Site A RA recovery wells (O1U351 to 01U358) and other select wells were sampled monthly beginning in May for an abbreviated group of metals. This metals data is the first collected at the RA recovery wells (01U351 to 01U358) and off-site monitoring wells 01U901, 01U903, and 01U904.

One difficulty encountered in evaluating the metals data was that for a number of parameters, the analytical detection limit was greater than the TCAAP groundwater action criteria. Specifically, during the FY 94 sampling events this occurred for arsenic, silver, cadmium, copper, antimony, selenium, and thallium. A future sampling event for these parameters is only warranted if lower detection limits can be employed.

1. Copper

The comprehensive copper sampling event was performed in September 1994. No detections were reported from the 47 wells sampled, however, the detection limit was 20 μg/l, as compared to the TCAAP groundwater action criteria of 1 μg/l and the draft OU2 Feasibility Study background value of 4.46 μg/l. During May and June 1994 (Q42 and Q43), copper was sporadically detected at each of the RA recovery wells (01U351 to 01U358), off-site monitoring wells 01U903 and 01U904, and on-site monitoring well 01U158. These locations all had at least one subsequent sampling event which was non-detect (the recovery wells had two to four subsequent non-detect sampling events). Due to the elevated detection limit, any copper detection exceeded the action criteria. The copper groundwater action criteria exceedances are shaded in Table IV-3. All copper detections are below the Preliminary Remediation Goal of 1,300 μg/l established in the draft OU2 Feasibility Study. As such, no additional monitoring is warranted.

2. Manganese

The manganese comprehensive sampling event was also performed in September 1994. Manganese was detected at all but five locations sampled. The highest concentration was observed at 01U108 (1,300 μg/l). Manganese at 01U108 has consistently been detected at concentrations $>1{,}000$ μg/l as shown in Table IV-3. The Minnesota Department of Health has established a health risk level for manganese of 100 μg/l.

The draft OU-2 Feasibility Study has calculated a background value for manganese of 2,610 μg/l. Manganese has historically never been detected in concentrations above background. As such, no additional monitoring for manganese is warranted.

3. Nickel

The comprehensive nickel sampling event was performed in March 1994. Nickel was detected at six of the 45 wells sampled in March as shown in Table IV-3. These detections include on-site monitoring wells 01U102, 01U104, and 01U136, and off-site monitoring wells 01U901, 01U902, and 01U904. Additional nickel detections occurred during FY 94 at four of the eight recovery wells (01U350, 01U351, 01U352, and 01U354). At these recovery wells, a minimum of four follow-up samples failed to detect nickel, however, a higher detection limit was employed (<63.1 μg/l). Off-site monitoring wells 01U901, 01U903, and 01U904 had 66 μg/l, 380 μg/l and 350 μg/l, respectively. Wells 01U903 and 01U904 were the only wells in FY 94 to exceed the TCAAP nickel groundwater action criteria of 70 μg/l or the Preliminary Remediation Goal of 88 μg/l (draft OU2 Feasibility Study). These detections do not appear to have migrated from TCAAP and the source of the nickel is unknown.

No additional monitoring is warranted as no detections attributable to TCAAP exceeded the TCAAP groundwater action criteria.

4. Zinc

The comprehensive zinc sampling event was performed in May 1994. Zinc is consistently present in monitoring wells throughout the site at concentrations ranging from 13 to 42 μg/l as shown in Table IV-3. Four of the eight RA recovery wells exceeded the TCAAP zinc action criteria of 700 μg/l in May, however, all were below the action criteria in all other subsequent monthly sampling events in FY 94. Groundwater exceedances are shown as shaded data in Table IV-3.

Historically, 01U350 has been the only well to have sporadic elevated zinc concentrations above the background range of 13 to 42 μg/l.

The discharge piping from the recovery wells in the IRA and RA systems are galvanized (a zinc coating process), which is likely responsible for why groundwater exceedances have only occurred at recovery wells.

Continued zinc monitoring is not warranted as concentrations in groundwater appear to be within the range of background levels.

5. Other Metals

The comprehensive metals sampling event included a number of parameters which were not detected in Site A groundwater. These metals include beryllium, cadmium, mercury, selenium, thallium, and vanadium. Thallium has a low TCAAP groundwater action criteria of 0.3 μg/l. However, the FY 94 comprehensive sampling for thallium used a detection limit (100 μg/l) which did not allow comparison relative to the TCAAP action criteria. Therefore, additional sampling for thallium may be warranted if a detection limit which will enable such a comparison can be obtained.

A second group of metals can be summarized as having been detected at only a few wells. These detections are summarized in the following table:

Compound	Well	Date	Concentration (µg/l)
Silver (Ag)	01U353	August 94	16.30
Arsenic (As)	01U351	March 94	3.19
	01U354	June 94	4.29
	01U355	March 94	5.84
Antimony (Sb)	01U103	March 94	79.0
	01U103	September 94	127.0
	01U903	June 94	6.10
Cobalt (Co)	01U136	March 94	3.08
	01U903	March 94	3.33
	01U904	March 94	1.53
Molybdenum (MO)	01U903	September 94	39.50
Chromium (Cr)	01U903	May 94	5,500
	01U903	June 94	4,300
	01U903	August 94	6.4/12.0
	01U904	May 94	8,000/10,000
	01U904	June 94	210
	01U904	August 94	12/6.3

One item of note regarding these miscellaneous detections is antimony in well 01U103. The antimony concentration in this well has increased from 14.60 µg/l in November 1987 to 127.0 µg/l in September 1994. The cause of the elevated antimony concentration in this well is unknown.

Antimony also had a high detection limit, similar to thallium as discussed above, and therefore, additional sampling may be warranted only if a lower detection limit which will enable such a comparison can be obtained.

Lead was detected in all but one recovery well in concentrations ranging from 4.68 to 86 µg/l during roughly the first half of FY 94 as shown in Table IV-3.

The majority of recovery wells exceeded the TCAAP lead groundwater action criteria of 5 μg/l as indicated by shading in Table IV-3. Lead sampling during the second half of FY 94 failed to detect lead in the recovery wells however, the lead detection limit during that period generally changed from 4 μg/l to 100 μg/l. The lead detections appear to be related to the recovery systems and not Site A groundwater as lead was not detected in any of the 39 monitoring wells sampled.

Barium was detected in all but two locations sampled in FY 94 in concentrations ranging from 24.2 to 290 μg/l as shown in Table IV-3. The barium groundwater action criteria of 1,000 μg/l has historically never been exceeded at Site A.

D. REMEDIAL SYSTEMS OPERATION EVALUATION

FCC operated an IRA groundwater recovery and treatment system at Site A from September 13, 1988 until June 14, 1994. A Record of Decision, prepared by the Department of the Army, dated June 29, 1988, details the justification of a groundwater recovery and treatment system at Site A (Walker, 1988). On May 31, 1994, FCC began operation of a Removal Action (RA) groundwater recovery system at Site A. Both Site A remedial systems mentioned above are being evaluated in accordance with Attachment 2 of the FFA.

1. Interim Remedial Action System

a. System Description

The groundwater recovery and treatment system consisted of a pumping well, sediment filters, carbon filters, a heated building, and discharge to an outfall drainage ditch.

The pumping well (01U350) was 6 inches in diameter and was located just north of Building 308 as shown on Figure IX-1. The well fully penetrated Unit 1 and was screened across sands, silts, and clays as shown in cross section D-D' on Figure IX-2 (Plan Sheet 28).

Recovered groundwater was transferred to a 10-foot by 10-foot heated treatment building (Building 303) adjacent to well 01U350 as shown on Figure IX-1. The treatment building contained four sediment filters which operated in two parallel paths. The first-stage sediment filters used 25-micron filters to remove fine-grained particulates. The second-stage filters used 5-micron filters which further removed fine-grained particulates prior to the water travelling into carbon vessels. The water was pumped through two 350-gallon Calgon Carbon Corporation Disposorb granular activated carbon vessels operated in series with each containing 1,000 pounds of granular activated carbon (Connell, April 1988). The carbon used in each vessel was Filtrasorb 300, with an effective size of 0.8-1.0 mm (Connell, April 1988).

The treated water was discharged to an east-to-west trending drainage ditch on the north side of the indoor range (Building 308), as shown on Figure IX-1. The ditch was graded to allow water to travel west towards Mounds View Road, and then south to eventually cross under Mounds View Road via a culvert and west to Rice Creek. The discharge drainage path is also shown on Figure IX-1. Since start-up of the system, water infiltrated into the ground within a short distance from the discharge point. Until system shutdown, the water flowed approximately 100 feet west from the discharge point before being completely infiltrated.

b. <u>System Maintenance</u>

While the IRA system was in operation, a high amount of maintenance was routinely performed on the system to ensure continuous operation. Iron bacteria buildup in the well resulted in clogging of the treatment system, including pump intake and sediment

filters which resulted in restricted water flow. The 25-micron and 5-micron sediment filters were replaced weekly because of the iron bacteria clogging. From April 1991 until system shutdown, weekly shocking of the well was performed by pouring 500 gallons of chlorinated water (100 ppm chlorine concentration) into the well. The pumping well (01U350) was shutdown for 2½-3 hours before pumping was resumed. Since initiating well shocking, fluctuations in the flow rate from the pumping well have reduced, which allowed the system to maintain a consistent 3 to 4 gallon per minute (gpm) flow rate.

c. Treatment Volumes and Efficiency

During FY 94, the Site A IRA treated approximately 1,280,000 gallons of water, as shown in Table IX-1 (Fuller, 1994a). A total of 9,837,385 gallons were treated by the Site A IRA groundwater treatment system from September 13, 1988, until its shutdown on June 14, 1994.

Influent of the system during FY 94 averaged approximately 14 μg/l for trichloroethene, 34 μg/l for tetrachloroethene, and 27 μg/l for 1,2-dichloroethene. Detectable concentrations of halogenated VOCs were observed in the effluent during FY 94. These concentrations generally rose throughout the year as the adsorption capacity of the carbon vessels decreased. The analytical results for the effluent sample collected on April 21, 1994 were received on May 19, 1994 and showed a tetrachloroethene concentration of 9.71 μg/l. The RAL and MCL for tetrachloroethene are 7 μg/l and 5 μg/l, respectively. The concentrations of all other compounds were below their respective ARARs.

The Site A Removal Action (RA) was scheduled to commence operation within the next few days at which time the Site A IRA would be shut down. Therefore, FCC chose to operate the IRA until the RA was started rather than replace the carbon vessels for only a few days of operation. The RA was started on May 29, 1994 and

operated intermittently until June 1, 1994 when it became fully operational. The Site A IRA was shut down on June 13, 1994. The May 1994 effluent sample results were not received until after the IRA had been shut down.

d. Contaminant Quantities Recovered

Concentrations of VOCs have decreased sharply in well 01U350 since initiating pumping in 1988. From September 13, 1988 through June 8, 1994, tetrachloroethene concentrations dropped from 620 μg/l to 34 μg/l; trichloroethene dropped from 380 μg/l to 13 μg/l; and 1,2-dichloroethene dropped from 540 μg/l to 32 μg/l. Data showing the monthly concentrations of the contaminants discussed above are shown for well 01U350 in Table IX-1.

Based on the measurements of the three VOCs shown in Table IX-1, the mass of contaminants removed from start-up through the end of FY 94 is five pounds. This mass removal rate is not surprising considering the low contaminant concentrations observed in the pumpout well and the relatively low pumping rate. (Note: Table IX-1 represents raw data from the laboratory prior to any adjustments which are made while entering the data into the IRDMIS. Hence, minor discrepancies may exist between Table IV-2 and Table IX-1, since Table IV-2 data were retrieved from the IRDMIS.)

e. Capture Zone Evaluation

An evaluation of the Site A IRA was first performed in detail for the Site A 90-Day Performance Report, which evaluated the system based on data obtained from September through December 1988 (Jacques and Schwarz, 1989). The conclusion of that report was that "... the pump is located in the plume, but is not effective in attaining the goal of removing contaminants."

The effectiveness of the Site A IRA system is being evaluated in this FY 94 Annual Monitoring Report based on the following information:

1. Site A groundwater elevation map (Figure IX-3 and Plan Sheet 29);
2. Groundwater hydrographs for selected Site A wells (Figure IX-4);
3. Site A 1,2-dichloroethene, trichloroethene, and tetrachloroethene, concentration maps (Figures IX-7 through IX-9 and Plan Sheets 30 through 32); and
4. Groundwater quality trends for tetrachloroethene, trichloroethene, and 1,2-dichloroethene at selected wells (Figures IX-10 through IX-14).

The groundwater elevation map shows a deflection in the 890 and 891 feet contour lines as shown on Figure IX-3 (Plan Sheet 29), indicating capture zone influences near the pumping well (01U350). The capture zone in March 1994, as defined by the contour lines, appears to be consistent with the capture zone defined in FY 93. Based on the groundwater elevation map and the groundwater hydrographs, it appears the amount of drawdown in the pumping well remained steady in FY 94.

The isoconcentration map of 1,2-dichloroethene (Figure IX-7 and Plan Sheet 30) shows capture effects in the vicinity of 01U117. The concentrations of 1,2-dichloroethene in monitoring well 01U117, downgradient of the pumping well, have generally decreased since FY 93. This suggests that the capture zone is stable, and preventing or at least minimizing migration of contaminants from the source area.

The isoconcentration maps for trichloroethene and tetrachloroethene (Figures IX-8 and IX-9) do not show noticeable effects from pumping.

In summary, the decreases in VOC concentrations at 01U117 suggest that the recovery well at Site A may be preventing or minimizing contamination from migrating from disposal pits 1 through 5 and 16. The present capture zone does not extend to the

north TCAAP boundary or beyond. Hence, contamination already beyond the capture zone will continue to migrate away from TCAAP. Furthermore, the existing pumping is not affecting the migration of contaminants in the vicinity of well 01U102, which appears to represent a separate plume from disposal pits 6 through 8.

2. Removal Action System

a. System Description

The Site A Removal Action is a groundwater recovery system which consists of recovery wells, piezometers, piping, a control building, and sanitary sewer discharge.

A total of eight recovery wells (01U351-01U358) were installed in two capture lines as shown on Figure IX-1. Six of the eight recovery wells fully penetrate the Unit 1 aquifer and range in depths from 31-48 feet deep as shown in cross section view or Figure IX-2 (Plan Sheet 28). The two partially penetrating wells, 01U352 and 01U353, were completed in silt units which were resistant to drilling and determined to be the top of Unit 2 by the field geologist. The well log does not note the presence of silt (Fuller, 1994b). The partially penetrating wells are illustrated on cross section B-B′ on Figure IX-2 (Plan Sheet 28).

The recovery wells are eight inches in diameter and employ 10 slot (0.010 inch) screen which is either 20 or 30 feet in length as summarized below:

Well ID	Total Well Depth (ft.)	Screen Length (ft.)
01U351	37	20
01U352	36	20
01U353	31	20
01U354	36.5	20
01U355	43	30
01U356	48	30
01U357	36	20
01U358	36	20

(STS,1994)

The pump depths are shown in cross section view on Figure IX-2 (Plan Sheet 29).

Piezometers were also installed to help evaluate the performance of the Removal Action. In general, piezometers were installed between recovery wells to monitor the groundwater elevation during pumping. Piezometer locations are illustrated on Figure IX-1 and are shown in cross section view on Figure IX-2 (Plan Sheet 28).

The Removal Action control building (Building 302) houses electrical pump controls, flowmeters, pressure gauges, and valves for each recovery well, and a flowmeter to measure total system flow.

The recovered groundwater is piped to a sewer discharge (Shoreview sanitary sewer discharge manhole #229) located approximately 150 feet north of the TCAAP boundary as shown in Figure IX-1. Discharge to the manhole is done in accordance

with Industrial Discharge Permit Number 2194 from the Metropolitan Waste Control Commission.

Information on the construction of the system is contained in a draft report by Dahl & Associates, Inc., entitled "Site A Removal Action Construction Report," dated November 8, 1994.

b. System Maintenance

Since startup of the Site A Removal Action, iron bacteria fouling has occurred necessitating maintenance work. To counteract decreased flowrates observed during the month of August 1994, shocking of the recovery wells was performed by pumping chlorinated water into the recovery wells. The chlorinated water was allowed to interact with the iron bacteria and then pumping was resumed. The well shocking produced very little change in flowrate which led FCC to believe the iron bacteria was also restricting flow in the individual discharge lines. Therefore, FCC performed an intensive equipment cleaning event early in FY 95 which consisted of removing pumps, disassembling flow meters, and manually cleaning components with brushes and hydrochloric acid. This event was much more effective in eliminating the flowrate restriction.

c. Pumping Volumes

Since startup of the Site A Removal Action on May 31, 1994, 8.7 million gallons of groundwater have been recovered by the eight extraction wells at an average system flowrate of approximately 47 gpm. To achieve the necessary capture, the design flowrate of the Removal Action was calculated to be 35 gallons per minute (IT Corp., 1993). The Removal Action system monthly pumping information is in Table IX-2.

The overall decrease in the system flowrate observed in Table IX-2 is due to iron bacteria fouling which was not successfully addressed until FY 95.

The average flowrate for each recovery well listed in order of decreasing flowrate is shown below:

Recovery Well	Average Flowrate (gpm)
01U354	7.8
01U358	6.7
01U352	6.3
01U356	6.1
01U351	6.0
01U353	5.9
01U355	4.5
01U357	3.9
	47.2 gpm

All wells are designed to pump 5-10 gpm.

d. Contaminant Quantities Recovered

The Site A RA has removed approximately 9 pounds of VOCs since initiation of pumping on May 31, 1994, as shown in Table IX-3. Of the VOCs removed to date, approximately 90 percent, or 8 pounds, has been removed by four recovery wells; 01U352, 01U353, 01U355, and 01U356. Table IX-3 lists the VOCs removed by each recovery well.

Mass removal efficiencies, calculated by dividing a well's percentage of VOCs removed by the percentage of the total gallons pumped, indicate each well's relative contribution to removal of VOCs. Values greater than 1 indicate that the well removes a greater percentage of VOCs than it contributes to the system's flow rate. The calculated mass removal efficiencies for each recovery well are shown in order of decreasing efficiency.

Recovery Well	Mass Removal Efficiency
01U353	2.4
01U352	2.1
01U356	1.33
01U355	1.31
01U357	0.55
01U358	0.26
01U351	0.17
01U354	0.13

In addition to recovery well sampling, the combined Site A Removal Action system effluent is sampled as part of the discharge requirements to the MWCC. The organic and inorganic sampling data is included in Table IX-4 and IX-5, respectively. The Site A Removal Action system effluent is in compliance with the MWCC discharge requirements.

e. **Capture Zone Evaluation**

The Site A Removal Action was in operation for the last four months of FY 94 beginning on May 31, 1994. An evaluation of the system was performed for the first three months of operation in a draft report entitled, 90 Day Operations Report, prepared by STS Consultants, Ltd., dated October 3, 1994. The reader is referred to this document for a FY 94 capture zone evaluation. The draft 90-day report states that "the remediation system installed at Site A appears to be achieving the desired remediation goals."

Section X
Evaluation of TGRS Interim Remedial Action

In June 1986, the Groundwater Remediation Program Plan (GRPP) was developed for the Twin Cities Army Ammunition Plant (TCAAP). Figure II-1 presents the Site location map for TCAAP. The GRPP involved the development of a groundwater remediation system for Volatile Organic Compound (VOC) plumes at TCAAP and represents the first phase of the Honeywell/Army remediation efforts at TCAAP. The second phase of the Honeywell/Army remediation was the construction of the Boundary Groundwater Recovery System (BGRS) completed in April 1987. Subsequent phases involve expansion of the remediation system to complete groundwater remediation on and off TCAAP. The scope of the Phase III efforts was based on the operational performance of the BGRS during Phase II and is designated the TCAAP Groundwater Recovery System (TGRS).

On August 12, 1987, a Federal Facility Agreement (FFA) between the U.S. Army, USEPA and MPCA was signed which formalized the TCAAP remedial program (the FFA became effective on December 31, 1987).

In September 1987 a Record of Decision (ROD) was prepared by the USEPA in order to implement the Interim Response Action Plan (IRAP) for TCAAP. The ROD provides specific criteria for the BGRS and TGRS. Following extensive interagency negotiations on the FFA and the ROD, the BGRS was started on October 19, 1987.

In accordance with Section 3.7.2 of Attachment 2 of the FFA and subsequent modifications, this section of the report serves as the Annual Monitoring Report and presents the monitoring results from the sixth year of operation of the TGRS which began operation as an expansion

of the BGRS on January 31, 1989. This report documents all performance and monitoring data collected from October 1993 through September 1994.

The Phase I BGRS consisted of six Unit 3 extraction wells (B1 through B6) which were connected by forcemain to an air stripping treatment facility. The TGRS was completed following an assessment of the performance of the initial six wells.

Following the initial 90 day operation of the BGRS, the IRA-BGRS Performance Assessment Report (PAR) was prepared. The PAR assessed the hydraulic and treatment performance of the BGRS. The PAR presented an extensive database collected during the initial 90 day period of BGRS operation and prior pertinent data. The PAR also included a summary of the geology, hydrogeology and remediation history for TCAAP. The PAR was subsequently approved by the MPCA and EPA. The conclusions of the PAR included:

1. The BGRS captured groundwater in the Unit 3 (Hillside Sand) aquifer across a continuous width of 3,400 feet at the southwest TCAAP boundary and this capture widened to 4,900 feet at Sites D and G and provided for complete capture between extraction wells at the TCAAP boundary. Since it was intended that the BGRS would be expanded, there were no capture criteria for Phase I contained in the ROD.

2. The BGRS captured a portion of the Unit 4 (Prairie du Chien/Jordan) Aquifer groundwater based on drawdowns observed in the Unit 4 in response to pumping. This portion was not quantified.

3. The BGRS captured a portion of the Unit 4 VOC plume.

4. The Unit 3 VOC plumes were substantially captured by the operation of the BGRS. However, to the north of the system, a portion of the Unit 3 plume was outside of the BGRS capture zone.

5. During the 90 day assessment period, the BGRS treatment system extracted between 17.0 lbs./day and 28.6 lbs./day of VOCs with an average of 23.2 lbs/day.

6. Treated effluent exhibited trichloroethene (TRCLE) concentrations consistently below 5 μg/l and below the contaminant specific requirements of the ROD for all other VOCs.

7. Effluent concentrations for metals, cyanide, PCB, radon, radionuclides, base/neutral compounds and pesticides were all below contaminant specific requirements of the ROD.

8. Phosphorus and orthophosphate analytical data indicated that discharge to Rice Creek would not significantly change the phosphorus concentrations in Rice Creek. Phosphorus loading in Rice Creek would increase from 0.22 percent to 1.3 percent over ambient levels.

9. The source control well (SC-1) at Building 502 (Site I) provided substantial capture of VOCs from Site I and meets the objectives of the FFA.

10. Recharge at the Arsenal Sand and Gravel Pit performs as designed and is acceptable as a water management option for treated water discharge.

11. Air emissions from the BGRS treatment system met the contaminant specific requirements of the ROD. VOCs were not detected upwind or downwind of the BGRS.

The PAR made recommendations for expansion of the BGRS into the TGRS in order to meet the Phase II remediation criteria established in the ROD. These modifications were completed and the expanded system began operation on January 31, 1989. The expansions to the system consist of:

1. Four Unit 4 and two additional Unit 3 extraction wells for a total of 12 extraction wells located along the southwest boundary of TCAAP,

2. Two additional pairs of Unit 3 source control extraction wells located immediately downgradient of Sites D and G for a total of five source control extraction wells,

3. An expanded treatment facility designed to accommodate additional flow from the TGRS. This included a fourth stripping tower and associated appurtenances, and

4. 4,400 feet of forcemain to connect the additional extraction wells.

The 1988 BGRS Annual Assessment Report and Monitoring Plan was completed in May 1989 and was approved by the MPCA on August 9, 1989. This report presented the monitoring and performance data from the first year of BGRS operation (October 1987 to October 1988). The Annual Assessment Report concluded the following:

1. The BGRS produced a continuous zone of hydraulic capture that is approximately 3,400 feet in width at the TCAAP boundary under operating conditions. The capture extends through the entire thickness of the Unit 3 aquifer and an undefined portion of the Unit 4 aquifer.

2. The Unit 3 VOC plume was substantially captured by the BGRS. There exists a portion of the VOC plume outside of capture to the North. This portion of the plume is being addressed by the TGRS.

3. An undefined portion of the Unit 4 VOC plume was captured. Capture in the Unit 4 is being addressed under the TGRS expansions to the system.

4. The VOC plumes at TCAAP showed little variation in configuration and relationship to capture from quarter to quarter during the 1988 operational year.

5. The VOC compounds benzene, toluene, 1,2-dichloropropane, xylenes and 1,1,2-trichlorotrifluoroethane were never detected in the influent above contaminant specific requirements. These compounds have typically not been considered target compounds at TCAAP. However, this is no longer correct for Site A.

6. The Arsenal Sand and Gravel Pit was found suitable to accommodate the treated water discharge under the conditions of the operational year.

7. The operational problems that resulted in a number of system shut downs during the year were addressed through physical improvements to the system and through the reinstatement of an operation and maintenance contractor.

8. In general, the hydraulic and treatment performance conclusions presented in the PAR continued to be supported by the BGRS database.

In addition, the 1988 Annual Monitoring Report recommended modifications to the Monitoring Plan based on the experience gained during the first year of BGRS operation. Briefly, the Monitoring Plan recommendations were:

1. Reduce the frequency of the groundwater level monitoring to one comprehensive round per year and monitor key locations during the remaining three quarters.

2. Reduce the frequency of groundwater sampling to one comprehensive round per year and monitor key locations (including PD2U3 and 03M005) during the remaining three quarters.

3. Increase the scope of the monitoring activities to address the expanded TGRS system.

4. Eliminate the non-target VOCs, listed in conclusion No. 5 above, from the influent/effluent sampling program and monitor for the same VOC compounds as for the monitoring wells.

5. Conduct analysis for metals from all extraction wells and the treatment system effluent on a quarterly basis in an effort to determine the source of the anomalous metals concentrations identified in the BGRS effluent.

6. Monitor the system effluent for Priority Pollutant Compounds on an annual basis to address the potential for the presence of non-target compounds at TCAAP.

7. Continue to monitor water levels and discharge rates with respect to the Arsenal Sand and Gravel Pit to assess its long term suitability to accommodate TGRS discharge.

The 1989 Annual Monitoring Report presented the following conclusions based on detailed performance assessment of the expanded TGRS:

1. The TGRS develops a continuous zone of capture that is approximately 4,500 feet wide at the TCAAP boundary. The zone of capture widens to approximately 8,300 feet upgradient of the boundary. This zone of capture was demonstrated at average system pumping rates of 2,400 to 2,700 gpm.

2. Hydraulic capture in the Unit 3 extends beyond the 5 μg/l TRCLE contour at the TCAAP boundary. This meets the VOC capture criteria in the EPA ROD.

3. Hydraulic capture in the Unit 4 extends beyond the 5 μg/l TRCLE contour at the TCAAP boundary. This meets the VOC capture criteria in the EPA ROD.

4. The TGRS extracted and treated 19,510 pounds of VOCs in 1989.

5. The VOC plumes showed little variation in configuration since 1988. This is consistent with previous conclusions that significant plume variations occur slowly at TCAAP.

6. All effluent metals sampling results were below the contaminant specific requirements.

7. Effluent VOC concentrations were below Contaminant Specific Requirements for all but one sampling event. In this round the criteria was slightly exceeded with a TRCLE concentration of 6.1 μg/l. However, the duplicate analysis yielded 2.7 μg/l.

8. The effluent priority pollutant scan indicated no parameters above the contaminant specific requirements. Base/neutral extractable organics, pesticides, PCBs and VOCs were not detected in the effluent.

9. Phosphorus sampling data exhibited a more consistent pattern than previous data. In particular, the orthophosphate data exhibited a consistent average concentration within a narrow confidence interval.

The 1989 Annual Monitoring Report was wider in scope than this or future annual monitoring reports for the TGRS. The 1989 report was both a performance assessment report and a monitoring report. The 1989 report represented the first year of operation of the expanded TGRS. Thus, a more detailed and exhaustive performance assessment was appropriate and possible as there were data available from non-pumping conditions for detailed comparison with pumping conditions. Since 1990 the system has continued to operate at an essentially steady state condition, so, no new comparisons to ambient conditions are necessary or possible.

A. OBJECTIVES

This section of the report presents the October 1993 through September 1994 operation of the TGRS. The schedule for reporting corresponds to the federal fiscal year (FY) (October through September) to facilitate meeting reporting schedules in the FFA/ROD. The fiscal year corresponds to the operational year since the BGRS was started in October 1987. The focus of this document is to report the FY 1994 performance of the TGRS in comparison to the groundwater capture and treatment criteria contained in the EPA ROD. Table X-1 presents the capture and treatment criteria contained in the ROD. As discussed in the ROD, capture and treatment criteria may be changed by USEPA in the future. Future objectives will address the criteria established at that time.

The two specific objectives of this report are:

1. Chemical/Hydraulic Capture Delineation

The first objective is the delineation of the hydraulic zone of capture induced by operation of the TGRS. Hydraulic capture is compared to the Phase II chemical capture criteria presented in the EPA ROD. Capture is discussed in Section X.D, with equipotential maps of the aquifer drawn from field data. Confidence that equipotential maps accurately represent the aquifer performance of the TGRS was gained during the exhaustive performance assessment in the 1989 Annual Monitoring Report.

In Section X.E, the hydraulic zone of capture is compared to the VOC isoconcentration maps to determine if the criteria have been met. The observed performance data form the core of the capture delineation.

2. Treatment System Performance Assessment

The second objective is to report the treatment performance of the TGRS with regard to the treatment criteria presented in the ROD. This objective is met through the presentation of extensive analytical data and operational data collected at the Site. These data allow calculations of the mass of VOCs removed and the removal efficiency.

System operational data are presented to demonstrate the mechanical performance of the system. This includes a quantification of down time and discussion of remedies implemented as a result of down time.

B. SYSTEM DESIGN APPROACH SUMMARY

1. BGRS Pumping Tests

The initial six BGRS extraction wells (B1 through B6) were installed and pumping tests conducted prior to start up of the BGRS. These pumping tests were documented in the BGRS Extraction Well Pumping Test Report. Both step drawdown tests and constant rate tests were performed. Table X-2 presents a summary of the transmissivities calculated from these pumping tests. Storativities were not calculated since the aquifer is unconfined or weakly confined along the TCAAP boundary and pumping did not extend a sufficient period of time to characterize the delayed yield response for the aquifer.

As Table X-2 shows, the transmissivities exhibit reasonable consistency along the entire TCAAP boundary. At the time of the BGRS Extraction Well Pumping Test Report, it was believed that these values reflected the Unit 3 alone and the interconnection of the Unit 3 and Unit 4 aquifers was largely ignored. What was unusual was that the Unit 3 thickness varied by a factor greater than 2 along the southwest TCAAP boundary. It would be expected that

the transmissivities would vary more or less directly with the thickness of the unit. This thickness variation was not reflected in the pumping test results.

Subsequent to the BGRS Pumping Test Report it was recognized that the entire Unit 3 and Unit 4 aquifers respond as a single, layered aquifer with vertical variation in hydraulic conductivities. This is based on observations of drawdown across the entire Unit 3/Unit 4 thickness in response to pumping either Unit 3 or Unit 4. Thus, it is not surprising that the transmissivities remain constant along the entire boundary since, although the Unit 3 varies substantially in thickness, the combined Unit 3 and Unit 4 thickness remains relatively constant.

2. TGRS Design

The PAR recommended the installation of one additional Unit 3 extraction well and four Unit 4 extraction wells. The PAR proposed pumping rates for these new wells and also proposed to increase the pumping rate of B1 to 350 gpm. It was agreed, however, after submission of the PAR, that a second Unit 3 extraction well (B11) would be installed southeast of B1, rather than increasing the pumping rate at B1.

The PAR also recommended two pairs of extraction wells downgradient of Sites D and G to provide source control of these Sites and to enhance VOC mass removal.

In the PAR it was recommended to conduct a pumping test on Unit 4 extraction well B9 to refine the final design of the TGRS. The pumping test on well B9 was conducted in August 1988 and formed the basis of the final design of the TGRS. These pumping tests were utilized to determine the pumping rate required to achieve the necessary zone of capture for the TGRS. The overall rate needed for the seventeen extraction wells was determined to be 2,450 gpm. During the detailed design of the TGRS, the system was designed with the capacity to operate at a maximum theoretical rate of 2,900 gpm. The additional pumpage

was included to provide a safety margin for the calculations and to allow for fluctuations in system operation.

In November 1989, the Aquifer Characterization Study was prepared as a supplement to the Honeywell Off TCAAP study, Phase III. This report presents a detailed evaluation of four pumping tests conducted on and off TCAAP and correlates these with TGRS performance. From these analyses, the groundwater flux in the Unit 3 and Unit 4 across the southwest TCAAP boundary was calculated. The Aquifer Characterization Report includes an analysis of the B9 pumping test. The results of the B9 pumping test are also included in the 1989 Annual Monitoring Report.

To summarize, the B9 test indicated the following aquifer parameters along the southwest TCAAP boundary:

Unit	Transmissivity (ft/day)	Thickness (ft)	Hydraulic Conductivity (ft/day)
Hillside Sand (Unit 3)	21,424	156	137
Prairie du Chien (Unit 4)	3,160	37	85
Jordan Sandstone (Unit 4)	4,140	90	46
Bulk Transmissivity	28,724	283	--

The bulk transmissivity from the Unit 4 B9 test matches the typical results from the B1 through B6 Unit 3 tests. This match strongly supports the conclusion that the Unit 3 and Unit 4 respond as a single thick aquifer and that the consistent transmissivities along the boundary represent the entire aquifer thickness.

C. TGRS ENGINEERING CONTROLS

The overall design of the TGRS was developed with respect to the following guidelines:

- maximum anticipated groundwater extraction rate from the various extraction wells;
- maximum anticipated flow rates through the various legs of the forcemain;
- maximum anticipated throughput in the treatment center;
- multiple treated water discharge points;
- appropriate piping and equipment sizing to handle changes in flow rates;
- match equipment and structure sizes appropriately;
- flexibility to operate the system with portions of the system shut down;
- long term operational life;
- automatic operation requiring a daily system check, regularly scheduled maintenance and emergency response as required.

The operation of the TGRS involves the following processes in series: groundwater extraction, transmission of extracted groundwater to the treatment plant, groundwater treatment, transmission of treated water to an end-use, and treated water discharge.

Each process is operated continuously (i.e. there is not batch movement of water from process to process). System oversight consists of a daily inspection of operations and key system components with periodic maintenance and emergency response as needed. Operations, therefore, are extensively automated with continuous system monitoring and supervision provided by a programmable logic controller (PLC).

The following presents an overview of the entire TGRS mode of operation. A detailed explanation of system operation and design are contained in the Final Engineering Report and the TGRS Operation and Maintenance Manual. The Final Engineering Report and TGRS Operation and Maintenance Manual were issued in January 1991.

1. Summary of Operations

Groundwater is extracted from 12 wells along the southwest boundary of TCAAP (B1 through B12) and five wells downgradient of interior source areas on TCAAP (SC1 through SC5). Submersible pumps in the extraction wells discharge into a common pressurized forcemain which carries the water to the treatment system. The treatment system is located adjacent to Building 116. The TGRS layout is presented on Figure X-1.

Flow into the treatment plant from the forcemain is evenly split and directed to the top of two air stripping towers (Towers 1 and 2). The water is distributed over polypropylene packing and flows downward by gravity, through the tower packing. Air is forced upward through the packing using the tower blowers thereby volatilizing organic compounds from the towers. The air discharges through moisture eliminators and exhausts out the top of the towers.

The primary treated water drains into two concrete wet wells beneath Towers 1 and 2. The wet wells are connected by a sluice gate which provides combined or parallel operation of Towers 1 and 2. Wet Well Pumps 1 and 2 (WWP#1 and WWP#2) transfer the water from Wet Well 1 and Wet Well 2, respectively, to the top inlet of Tower 4 and Tower 3, respectively, for final treatment. The water is again distributed over packing with continuous counter current air flow and the water flows downward through the tower packing into the third wet well.

Wet Well Pumps 3 and 4 (WWP#3 and WWP#4) transfer the treated water from Wet Well 3 to a pressurized, 16" diameter discharge forcemain and on to one or more of the discharge outlets.

The TGRS is designed and constructed with three options for treated water discharge: recharge at the Arsenal Sand and Gravel Pit, discharge to Rice Creek and TCAAP plant use at the elevated water tower. Currently, the Arsenal Sand and Gravel Pit option is utilized for

the majority of treated water. The TCAAP, through its elevated water tower, uses 142,000 to 232,000 gallons per work day depending on the time of year.

2. System Operation Specifications

In general, the influent and effluent water flow rates at the treatment plant are designed to be equal, thereby providing continuous operation of all processes and equipment. The following is a summary of the system design parameters:

- The groundwater extraction system including the treatment center and 17 TGRS extraction wells has been designed to provide a theoretical hydraulic capacity of 2,900 gpm and a sustained daily average capacity of 2,730 gpm. The average rate of 2,730 gpm is the practical hydraulic capacity of the current system configuration and is not used in the determination of the required zone of capture. Refer to Table X-3 for individual design flow rates.

- The influent to the treatment plant is divided between Towers 1 and 2, each receiving up to a maximum of 1,450 gpm.

- Wet Well Pumps 1 and 2 (located in Wet Wells 1 and 2) transfer water to Towers 4 and 3, respectively. Each pump and tower handles up to a maximum of 1,450 gpm.

- Wet Well Pumps 3 and 4 (located in Wet Well 3) discharge treated water to an end use at a combined rate of up to a maximum of 2,900 gpm.

- Air blowers provide air to the towers. The blowers for Towers 1 and 2 provide 6,000 - 7,000 scfm each. The blowers for Towers 3 and 4 provide 9,000 - 14,000 scfm each.

- Water level sensors within the wet wells communicate with the PLC according to changing water levels. A complete and balanced operation should provide continuing water levels above the low level switches and below the high level indicator switches. However, given the probability of unbalanced flows for any number of reasons (i.e. changing hydraulic heads, maintenance, repairs, temporary malfunctions), the PLC has provisions within its program to cycle-off the extraction well or wet well pumps according to high water levels occurring in the wet wells; and in turn, cycle-off the wet well turbine pumps according to low levels occurring within these wet wells. The system operates such that the wet well pumps cycle off rather than the extraction well pumps. The rationale behind this is that there are a relatively small number of motors, starters and electrically controlled valves associated with the wet wells when compared with the extraction well field. This also provides for more continuous and complete hydraulic capture within the aquifer units. The extraction well field will cycle if necessary, however, starting with the least contaminated extraction well, B12, and followed by the other extraction wells in a predetermined sequence. The programmed shut down sequence is presented in Table X-4.

In summary, the priority of operation is as follows:

1. Maintain constant operation of all extraction wells and air stripping towers;

2. Maintain the desired flow rates at individual wells as presented in Table X-3;

3. Maintain treatment center WWP#1 and WWP#2 pumping rate equal to or slightly above the combined flow of the extraction well field;

4. Maintain treatment center WWP#3 and WWP#4 pumping rate equal to or slightly above WWP #1 and #2; and

5. Provide water to the elevated water storage tower.

3. 1994 Operational Performance

a. Overall System Performance

FY 1994 was the sixth year of operation of the expanded TGRS system. During October 1993 to September 1994 the system treated 1,320,653,000 gallons of water (Meters #1 and #2). The monthly and annual volume of water pumped is presented in Tables X-5 and X-6. Table X-5 presents the pumphouse metered monthly flow volumes of each extraction well and historical flow data. Table X-6 presents the combined pumphouse metered flow volume (extraction wells) and the flow volumes metered at various stages in the treatment center along with historical data.

b. Monthly Flow Reports

Each month a Monthly Flow Report is prepared. The report contains the month's meter totalizer readings and the calculated flow volumes. Flow volumes are presented on a daily basis and are totaled to provide a monthly flow volume. A compilation of 1994 Monthly Flow Reports is presented in Appendix H.1. During FY 1994, treatment center flow meters #1 and #2 were used to measure total flow volumes used in monthly reports because they are considered to be the most accurate and representative of actual flow. Daily variation at individual wells is primarily due to differences in time of day when meter readings were taken.

c. Extraction Well Down Time and System Down Time

The down time for extraction wells is presented in Table X-7. The down time presented in Table X-7 includes the number of days the system was down for

maintenance and painting of the system's mechanical components. In 1994, SC1 operated as a subsystem to the TGRS.

Treatment center and extraction well down time has resulted chiefly from the areas of painting, trouble shooting and repairs, TCAAP electrical service failures, preventive maintenance, and system modification.

d. Description of Down Time Areas

System Modifications: System modifications caused virtually no down time. System modifications include:

1. Installation of drain pipes for wet well pumps and electric check valves;

2. Connection of potable water supply to Electric Check Valve Nos. 1 and 2 for improved valve control;

3. Removing, but not replacing, the broken flow meter measuring chamber located in the Snelling Avenue meter chamber. The Snelling Avenue meter was installed to facilitate discharge using reinjection at Sites D and G. This discharge option is not currently anticipated. The meter will be repaired when the discharge option is implemented.

Troubleshooting/Repairs: Repairs to treatment center valves and wet well pumps were responsible for approximately 14.8% or 5 days of total system down time. Repairs to pumphouses typically involved repair or replacement of submersible pumps and motors and/or cleaning iron or manganese sludge from the well and piping. Pumphouse repairs accounted for approximately 5.3% or 1.8 days of total system down time.

TCAAP Electrical System Failures: All electrical power to the TGRS is provided by the TCAAP electrical system. The TCAAP system suffered few failures in 1994. Down time from power outages accounted for approximately 0.3% or 0.1 days of the total system down time.

Preventive Maintenance: Preventive maintenance, as described in Section X.C.3.f and the Operation and Maintenance manuals, accounted for approximately 0.3% or 0.1 days of total system down time.

The TGRS mechanical piping and equipment were painted in FY 1994. Painting was initiated in October 1993 and completed in August 1994. Painting accounted for approximately 79.3% or 26.7 days of total system down time.

A list of system events is presented in Appendices H.2 and H.3. This list contains a more detailed explanation of down time, malfunctions, system events and the dates of occurrence. An abridged compilation of down time days and categories is presented in Table X-8.

e. Redistribution of Flow Rates

The capacity of extraction well B2 decreased and could not be restored by well cleaning or redevelopment methods. To accommodate the reduced flow rate at well B2, the flow rate for well B1 was increased from 200 gpm to 235 gpm and for well B3 from 200 to 215 gpm. These increases result in the same quantity pumping these three wells combined. Both rounds of water levels in FY 1994 were taken after this adjustment and indicate that capture was maintained.

f. 1994 Operating Performance

The TGRS successfully captured and treated over 1,320,653,000 gallons of contaminated water from October 1993 through September 1994. The system pumped at an average of 2,513 gpm or 103 percent of the quantity of water necessary to achieve capture based on demonstrated capture at 2,450 gpm in 1989. The TGRS was operational over 98 percent of the time, with the exception of down time for painting. This is comparable to the 1993 operating year in which the system also operated over 98 percent of the time and pumped 111 percent of the quantity required for capture.

Preventive Maintenance - The extensive PM program allowed the operations staff to identify and repair or replace equipment to avoid a downtime failure. When required, further repair work was scheduled rather than waiting for the failure to occur. A broad range of system specific information was collected during this year's PMs. This information was used to refine the content and frequency of PM procedures.

Electrical Inspection and Temperature Survey - A system wide electrical inspection and infrared temperature survey was performed to identify loose connections and overheating components. Component overheating often precedes equipment failure.

Verification of Flow Meters - As part of the annual PM, flow meters in the pumphouses were removed, cleaned and recalibrated. Treatment center flow meters M1 and M2, and M3 and M4, were interchanged. Flow volume measurements before and after conducting maintenance on the meters were compared to verify consistency of measurement. Treatment center meters M5 and M6 were not interchanged as they have a shorter service life and are repaired, replaced and calibrated more frequently. M5 and M6 are used for process measurement only.

Daily Tracking of Flow Rates - Pumphouse and treatment center meter readings were recorded in the course of the daily inspection. Daily meter readings were entered into

the computer and the flow rates were calculated and reviewed by the operations staff. Early detection of changes in flow rate were critical in early identification of failing equipment. By early detection of flow rate changes, the equipment repair was scheduled before a failure occurred.

Pumphouse Flow Tests and Motor Amperage Readings - Pumphouse lift systems were tested to determine the present flow capacity and motor amperage draw. The test data were compared to the original flow capacity and amperage draw. Decreases in flow capacity or changes in current draw alerted the system operations staff to inspect suspect equipment and schedule repairs before a downtime failure occurred.

D. HYDRAULIC PERFORMANCE

The zone of hydraulic capture for the TGRS in FY 1994 was determined by contouring the March 1994 and September 1994 water level data. All monitoring wells at TCAAP were resurveyed by the Army during FY 1992 to assure accuracy in elevation for the many wells installed at various times by various parties involved at TCAAP. The contour maps presented here reflect the resurvey elevations. There was no significant overall change to the flow field interpretations due to this survey.

Contours were constructed manually. Past site experience and discussions with MPCA and EPA determined that manually constructed contours are appropriate at TCAAP due to the complexities of the flow field and the resulting need for hydrogeological expertise in interpreting the flow field. Confidence in the groundwater contours was gained during the detailed analysis presented in the 1989 Annual Monitoring Report. This included pumping test analysis, drawdown analysis and vertical gradient analysis.

Appendix F.1 contains the water level database for the monitoring wells. Figures V-1, V-4, and V-7 present the groundwater contours for the upper Unit 3, the lower Unit 3 and the

Unit 4 for March 1994. Figures V-2, V-5, and V-8 present the groundwater contours for early September 1994. These figures are also presented full size as Plans 5, 6, 8, 9, 11, and 12. These plans and figures present the potentiometric contours from three vertical portions of the aquifer. For each level, the horizontal extent of capture is nearly identical. This strong similarity between the upper Unit 3, the lower Unit 3 and the Unit 4 contour patterns illustrates that the capture is vertically continuous across the aquifer at TCAAP. This is as expected since the Unit 3 and Unit 4 are hydraulically continuous and act as a single, thick aquifer. This continuity was discussed thoroughly in the 1989 Annual Monitoring Report.

Inspection of these figures indicates a broad area of very low horizontal gradients immediately southwest of the TGRS, which is indicative of a stagnation zone downgradient of the TGRS. In the southern portion of the TGRS there are insufficient wells to accurately contour the Unit 4 capture in this part of the Site. The flat gradients do indicate there is capture of bedrock groundwater by the Unit 3 extraction wells. Contaminants are not currently in the Unit 4 in this area, therefore the Unit 4 is not of concern for remediation in this area of the Site and further definition of Unit 4 capture is not needed.

The flow field is quite similar to that presented in the 1989 through 1993 Annual Monitoring Reports. This is as expected since the groundwater extraction system has been operating at an essentially steady rate throughout these years. Past investigation had not indicated significant changes in the ambient flow pattern during non pumping conditions at TCAAP. It follows that under constant pumping, capture would remain constant.

Appendix F.2 contains selected hydrographs from wells throughout TCAAP. Review of the hydrographs indicates that background water levels increased overall compared to FY 1993 but decreased between the two rounds within in FY 1994. Between September 1983 and March 1994 water levels rose approximately 1.5 feet. Between March 1994 and September 1994 water levels dropped approximately 1 foot. Average water level increases between September 1993 and September 1994 were approximately 0.5 feet across the Site. These elevations are based on the 007 and 012 well nests. These two nests represent background

conditions as they are relatively far from the TGRS wells and the gravel pit. These increases are less than 1 percent of the overall aquifer thickness and therefore do not impact the overall transmissivity of the aquifers. Thus, the water level increases do not indicate any significant change in the groundwater flux beneath the site.

1. Vertical Gradients

Table X-9 presents the historical vertical gradient summary. This table reveals that there was little significant change in vertical gradients over the last year.

The consistency in vertical gradients is as expected since the groundwater extraction system has operated at an essentially steady state condition during Fiscal Year 1994.

2. Arsenal Sand and Gravel Pit Discharge Water Balance

The water elevation in the Arsenal Sand and Gravel Pit is measured via two staff gauges (SG1 and SG2). The water elevations in the Arsenal Sand and Gravel Pit generally followed the background groundwater water level increases. These stable water levels in the Gravel Pit illustrate that water is not accumulating in the Pit. The Gravel Pit is easily accommodating the TGRS discharge as designed. There was no measurable decrease in performance of the Gravel Pit in 1994.

E. CHEMICAL PERFORMANCE ASSESSMENT

1. VOC Plumes

Plan 14, Plan 18 and Plan 22 present the trichloroethene (TRCLE) contours for the Upper Unit 3, Lower Unit 3, and Unit 4 aquifers based on the March 1994 sampling data. These plans are also included here as Figure VI-1, Figure VI-5 and Figure VI-9. Plan 16, Plan 20

and Plan 24 present the 1,1,1-trichloroethane (111TCE) contours for the Upper Unit 3, Lower Unit 3 and Upper Unit 4 respectively. These plans are also presented as Figure VI-3, Figure VI-7 and Figure VI-11. Figures VII-10 through Figure VII-14 present TRCLE vs. Time plots for several selected monitoring wells.

Well nest 001 defines the northern extent of the plumes and well nest PD2U3 defines the southern limit of the plumes at the Site boundary. Groundwater quality data (VOCs) for the monitoring wells is presented in Table IV-2. Well 04U001, defining the northern edge of the plume, remained below the 5 μg/l during FY 1994 ranging from 2.8 μg/l to 1.26 μg/l TRCLE in March and September 1994. Historically, this well has been approximately 5 μg/l TRCLE. In 1993, this well was also below the contaminant specific requirement of 5 μg/l for TRCLE. Extraction well B12 (PJ#313), which is the northernmost extraction well has also been below the contaminant specific requirements throughout FY 1993 and FY 1994. See Section X.E.2 for a complete discussion of extraction well chemistry.

Concentrations near the southern portion of the southwest boundary at 03L802 have decreased from 13,000 μg/l in December 1987 to 29.9 μg/l in March 1994. Well 03M802 shows a similar decrease, while the concentrations at 04U802 have remained around 1 to 3 μg/l. Well 03U801 increased to 11,000 μg/l in FY 1993 and decreased to 5,200 μg/l in FY 1994. These observations indicate the plume is redistributing itself in response to the intense pumping along the boundary of the Site. In general, it appears the plume is shrinking in the southern portion of the Site.

Unit 3 extraction well B11 was added to the TGRS, at the request of EPA and MPCA, to assure sufficient capture at the south TCAAP boundary. Shortly after pumping at B11 commenced, the VOC concentration at 03U003 began to increase. This observation was part of the decision to reduce the pumping rate at B11 from 250 gpm to 100 gpm and move the excess pumpage to well B10. This decision was made because it appeared the high pumping rate at B11 was causing the plume to widen to the south resulting in the concentrations increase at 03U003. The 1989 AMR discusses this modification. The TRCLE concentration

at well 03U003 has decreased from 1,800 μg/l TRCLE in 1990 to 220 μg/l in March 1994. The apparent concentration decrease at well 03U003 since 1990 appears to be the result of the reduced pumping at B11.

The zone of capture created by the TGRS extends beyond the 5 μg/l TRCLE contour along the entire southwest TCAAP boundary.

2. Extracted Groundwater Quality

As discussed in Section X.C.3.f, the TGRS extracted and treated 1.3 billion gallons of water from October 1993 through September 1994. Based on the monthly influent and effluent VOC concentrations (see Section X.E.3.a) and the monthly flow totals measured at meters #1 and #2 (see Section X.C.3.a), the TGRS removed a total of 15,070 pounds of VOCs from October 1993 through September 1994. The VOC mass is significantly (25%) lower than the FY 1993 VOC mass removal of 20,165 lbs. The TGRS total pumped volume was approximately 10% below the FY 1993 volume yet, even allowing for this, the VOC mass removal has been declining since FY 1992. This reflects the overall decrease in plume strength. Table X-10 summarizes the individual VOC mass contribution of each extraction well and the entire system.

The total mass removed is based on the monthly TGRS influent and effluent sampling. The percent contributions for each well are based on the average flows from each well and the quarterly VOC results from each well. To calculate the number of pounds of VOCs for each well the flows and concentrations were normalized to the treatment center flows and concentrations to correct for variance between flow meters in the well houses and for consistency between quarterly VOC concentrations at the wells and monthly VOC concentrations in the influent and effluent. It was assumed that the monthly sampling of the treatment system provides a better estimate of overall mass removal than the quarterly individual extraction well sampling due to the larger number of samples and consistency in the month to month analytical results.

VOC samples were collected semiannually from the 17 extraction wells that comprise the TGRS. Table X-11 presents a summary of these sampling results. Variations in detection limits from round to round are the result of varying sample dilutions performed by the laboratory. Dilutions are required due to high concentrations of some analytes.

Historically, the predominant VOC in wells B1 and B2 was TRCLE, followed by 12DCE. This profile is consistent with the expected profile for wells located within the south plume, emanating from the Building 502 vicinity. In FY 1992, the relative concentration of 111TCE to 12DCE increased and the two were approximately equal in concentration. By FY 1993, 111TCE became the second highest concentration VOC at B1 and B2 and remained so in FY 1994.

Over time the 111TCE to TRCLE ratio increased at well B3, with the 111TCE concentration exceeding the TRCLE concentration. This trend was first observed near the end of the 1990 operational year. By FY 1992, 111TCE became the highest concentration VOC at B3. The reason for this apparent heterogeneity in the plume is unknown, however, it is not unusual to have variations in plume composition over time or in different geographic areas.

The remaining boundary extraction wells (B4 through B10, B12) exhibit TRCLE as the primary VOC followed by 111TCE. This profile is consistent with wells located in the north plume which emanate from source areas D and G.

The source control wells (SC1 through SC5) exhibit similar relationships to their respective source areas. At SC1, located adjacent to Building 502, the secondary VOC is 12DCE. While at SC2 through SC5, the secondary VOC is 111TCE.

Appendix G.1 presents TRCLE versus time graphs for each extraction well. Well B1, B2, B6, B7, B8, B9, B10, B11, B12, SC2, SC3 and SC5 exhibit declining TRCLE concentrations over time. As is typical, these wells exhibit asymptotic decreases over time. Wells B3, B4 and SC4 exhibit rising TRCLE concentration with time. Well B5 was

increasing through 1992 but now appears to be decreasing. Well SC1 showed a decrease into late 1991, but since then has exhibited a steady increase in VOC concentration. Overall, the graphs indicate a long term decrease in VOC concentrations.

These trends reflect the overall decline in plume strength. In addition, as discussed below, there appears to be a reduction in overall TGRS influent concentrations over the previous one to two years. These trends also indicate a redistribution of the plumes due to the changes in flow. The changes in flow are due to pumping stresses.

VOC mass removal rates are summarized for each extraction well in Table X-10. The mass removal rates are based on average pumping rates over each monitoring interval. As Table X-10 illustrates, the greatest degrees of mass removal are achieved by wells B1, B4, B5, B6, SC2 and SC5, which are located in the centers of the plumes. These six wells each recovered 500 pounds to over 6,000 pounds of VOCs and accounted for 95 percent of the VOC mass removed. Well B5, located in the center of the north plume, removed 32 percent of the total VOC mass. Wells B11 and B12, which pump on the south and north edges of the plume, removed only 8 lbs (0.06%) of the total VOC mass.

The source control wells, SC1 through SC5, together accounted for 36 percent of the VOC mass removed while accounting for only 12 percent of the water pumped by the system. SC5, in particular, removed 32 percent of the total VOC mass at a rate of only approximately 100 gpm. This illustrates the efficiency of extraction from near the source areas. Extraction well SC4 is removing significantly less VOC mass than the other extraction wells. It appears that SC4 draws relatively low concentration water from between Source Areas D and G. SC4 is also exhibiting rising VOC concentrations over time suggesting it is drawing the plume towards itself. This suggests that the VOC plume near Source Area D is much narrower than indicated by the monitoring well network.

3. Groundwater Treatment

a. VOCs

Influent and effluent water were sampled on a monthly basis during FY 1994. Table X-12 presents a summary of the influent and effluent data. TGRS influent is labeled TGRSI and effluent is labeled TGRSE in Appendix G.2. Figure X-2 presents a graph of influent TRCLE versus time. This graph is cumulative and includes previously reported BGRS data. Influent concentrations were declining in FY 1994. The average FY 1994 influent TRCLE concentration was 1,084 μg/l, down from 1,450 μg/l in FY 1993. Since the full scale start up of the TGRS, influent concentrations did not exhibit a clear trend until approximately 1993 when a decrease appeared to be occurring. The decline corresponds to this decrease in VOC mass removal discussed earlier.

Figure X-2 also includes a summary of the effluent TRCLE concentration versus time. As indicated, effluent has remained below 5 μg/l for all sampling events in FY 1994. A review of the 1994 database indicates that the effluent has also remained below the Contaminant Specific Requirements for all other VOC compounds in the ROD. Comparison of influent and effluent TRCLE concentrations indicates an average removal efficiency of 99.9 percent.

b. Annual Effluent TAL/TCL Scan

Appendix G.2 includes the results of the annual effluent TAL/TCL scan conducted in March 1994. Semi-volatile compounds were not detected. Base/neutral extractable organics were not detected. Pesticides were not detected. PCBs were not detected. These compounds are not expected to be present in TGRS effluent. The TAL/TCL scan is conducted as a precautionary measure since some of these chemicals have been

identified in TCAAP soils. These compounds potentially could be present in groundwater.

No metals were identified in the TAL scan above the contaminant specific requirements in the ROD. Also of note, antimony was not detected at a detection limit of 3 μg/l. Antimony was an express concern of the MPCA and USEPA since its detection limit has been above the USEPA Health Advisory Limit of 3 μg/l.

c. Metals

In addition to the TAL scan, samples for metals analyses were collected monthly from the system effluent. Metals, specifically lead and cadmium, have been sporadically detected above contaminant specific requirements in the effluent and in a few monitoring wells.

The 1994 effluent metals analyses did not exhibit any metals exceeding the contaminant specific requirements in the ROD. Table X-13 presents the effluent metals summary. In particular, lead and cadmium were not detected in the TGRS effluent during FY 1994.

d. Total Phosphorus and Orthophosphate

Table X-14 summarizes the treatment system effluent total phosphorus and ortho phosphate historical analytical data. The requirement for total phosphorus and ortho phosphate monitoring was deleted from the FY 94 Monitoring Plan. These compounds had been monitored in the event the surface water discharge option would be implemented. This option is no longer under consideration. Additional monitoring may be performed should surface water discharge become an approved and accepted discharge option. Table X-14 and this section will be deleted from the FY 1995

annual monitoring report and subsequent reports until the surface water discharge option is approved and implemented.

4. Air Emissions

The air stripping towers remove VOCs with an efficiency of over 99.9 percent (see Section X.E.3.a). Thus, the air emissions are essentially equal to the VOC mass removal rates presented in Table X-10. Air emissions therefore averaged 41 lbs/day based on the VOC mass removal rates. The total VOC emissions from October 1993 through September 1994 were 15,070 lbs.

Section XI
Evaluation of Site K Interim Remedial Action

A. BACKGROUND

Volatile organic compound (VOC) contamination was identified in the storm sewer at Building 103, which empties to Rice Creek, Twin Cities Army Ammunition Plant (TCAAP) in 1983. Following an initial assessment in 1983, a Remedial Investigation/Feasibility Study (RI/FS) was conducted in 1984. The RI/FS activities were designed to define the extent of VOC contamination in the vicinity of Building 103 and to determine whether or not there was a resultant impact on other areas at TCAAP or on the regional groundwater. The RI/FS showed that the VOC contamination was found in the Unit 1 or perched aquifer at Building 103. The Unit 1 is underlain by a low permeability clay till (Unit 2) which serves as an aquitard to restrict vertical groundwater flow from reaching the deeper Unit 3 regional aquifer. Based on the water levels in the vicinity of Building 103, the Unit 1 groundwater flows to the west towards Rice Creek.

The findings of the RI/FS and some supplementary investigations concluded that:

1) VOCs identified in the storm sewer are the result of infiltration of perched groundwater containing VOCs beneath Building 103,

2) The limits of the VOC plume in the perched groundwater have been defined to be beneath and immediately northwest of Building 103.

3) Unit 1 groundwater outside of the immediate Building 103 area and Unit 3 groundwater downgradient of Building 103 have not been impacted by Building 103 activities.

B. REMEDIAL PROGRAM

Based on the findings of the investigatory activities, a remedial program was designed to prevent infiltration of contaminated Unit 1 groundwater into the storm sewer and to capture and treat the contaminated groundwater originating at Building 103.

The VOC remediation program at Building 103 consisted of grouting the joints in the storm sewer to prevent Unit 1 groundwater infiltration and installation of a groundwater collection and treatment system. The sewer joint grouting was completed in February 1985.

The groundwater extraction and treatment system at Building 103 began operation in August 1986. Groundwater is collected using 410 feet of drain tile sloped to a central manhole. The collected groundwater is pumped to an air stripping system where it is treated to remove VOCs and is discharged under an NPDES permit to the storm sewer. The treatment system was designed to accommodate up to 30 gallons per minute of extracted groundwater and to treat the contaminated water at an air to water ratio of 50:1 based on 200 cubic feet per minute of air. The air stripping tower is approximately 22 feet tall with 19 feet of one-inch diameter Yaeger Tri-pack packing.

During FY 1994 the system collected and treated 5,045,768 gallons of water and removed approximately 20 pounds of VOCs, based on the average influent and effluent VOC concentrations. Appendix H.4 summarizes operational data and events at the groundwater extraction and treatment system.

In addition to the groundwater collection and treatment system, an infiltration gallery was installed to prevent excessive groundwater drawdown. The collection system is based on maintaining adequate hydraulic head on the downgradient side of the collection tile in order to maintain upward flow of groundwater into the tile. The gallery consists of 409 feet of perforated 2-inch PVC pipe lain in a trench approximately 4 feet below grade. The gallery is located northwest and parallel to the collection tile. The infiltration gallery is connected to a float control and metering manhole. The float controls are positioned to permit flow when groundwater falls below 874.9 feet AMSL and shuts off flow when the float senses groundwater has risen 1.1 feet. The source of the water is the TCAAP potable water system. In FY 1994, approximately 429,600 gallons of potable water flowed through the infiltration gallery. To date, approximately 2,263,000 gallons have flowed through the infiltration gallery. Specific dates were not recorded when water was added to the gallery.

C. MONITORING

A monitoring program was established to:

- Meet NPDES permit monitoring requirements,
- Measure the effectiveness of VOC removal,
- Measure the mass of VOCs removed,
- Monitor the progress of remediation in the aquifer, and
- Determine the zone of capture for the collection system.

As is the case with most groundwater extraction and treatment systems, the most effective way to measure short term performance is to evaluate hydraulic capture. Groundwater monitoring is conducted to evaluate the long term trends to determine whether or not the aquifer quality is actually improving. Accordingly, the Building 103 monitoring program concentrates on hydraulic performance and NPDES compliance.

1. Treatment System

The treatment system effluent was sampled on a monthly basis for total phosphorus and ortho phosphate. On a quarterly basis, the influent was sampled for target VOCs and the effluent was sampled for target VOCs, metals, total phosphorus and ortho phosphate as listed on Table XI-2.

2. Groundwater Monitoring

Water levels are collected semi-annually from the monitoring wells and bundle piezometers in the vicinity of the groundwater collection and treatment system. Groundwater samples have been collected quarterly from specific wells on a historic basis. FY 1994 monitoring was performed in accordance with the Monitoring Plan with comments and exceptions noted in Appendix A. The comprehensive monitoring well sampling was conducted in March 1994. Figure XI-1 and Figure XI-2 present the sampling and water level monitoring locations. Figure XI-1 also includes the cross section alignment.

D. SITE HYDROGEOLOGY

As determined in the RI/FS, the impacted groundwater is within the Unit 1. Unit 1 is a medium to fine-grained sand with clayey silt lenses. Underlying the Unit 1 is the Unit 2 (a low permeability aquitard) consisting of a gray till. There is no apparent impact of Unit 1 VOC concentrations on the Unit 3 groundwater at the Site. Unit 3 monitoring in the vicinity of Building 103 is conducted as part of the TCAAP annual monitoring program.

Perched groundwater flow in the Unit 1 at Building 103 is generally west toward Rice Creek.

E. PERFORMANCE

The groundwater collection system continues to provide capture of the Unit 1 groundwater, upgradient of the trench and beneath Building 103, as designed. Water level data are presented in Table XI-3. Well 01U611 (OW111) monitors the suspected source area. The flow from 01U611 is directly toward the drain tile groundwater collection trench as indicated by the groundwater contours. Figures XI-3 and XI-4 present plan views of the groundwater contours from the two rounds of groundwater level measurement. At nested wells, the lowest water level was used to create the plan view contours. Monitoring wells downgradient of the extraction trench show consistently higher water levels than those near and upgradient of the trench. This demonstrates that the horizontal hydraulic gradient has been reversed toward the extraction trench due to system operation. The monitoring network provides sufficient coverage for detailed capture monitoring.

Vertical capture was also effective as illustrated on Figures XI-5 and XI-6. As seen in the figures, groundwater from both up-gradient and down-gradient of the trench is captured and collected. Of particular note is the formation of an upward gradient at nest 01U626. 01U626 is the closest bundle piezometer to the collection trench. 01U626 monitors and illustrates the vertical effectiveness of the extraction system. The upward gradient beneath the trench indicates that groundwater does not migrate below the trench. 01U626 also exhibits water levels consistently lower than all four monitoring points at bundle piezometer 01U627. This demonstrates the complete reversal of the horizontal gradient toward the extraction trench. The monitoring coverage provided by the bundle piezometers demonstrates complete vertical and horizontal hydraulic capture.

Figure XI-7 presents the trichloroethene concentrations from the March 1994 annual sampling event. Comparison of Figure XI-7 to the groundwater contour maps indicates that the VOC plume is hydraulically contained by the treatment system. Table XI-4 presents the monitoring well sampling data. The plume was originally defined based on data from all the monitoring wells. The current monitoring well network is used to confirm the plume

contours and measure progress of remediation. Thus, Figure XI-7 was drawn with consideration of the extensive historical data.

Three wells (01U128, 01U617 and 01U621) exhibit elevated concentrations of 1,2-dichloroethene downgradient of the groundwater collection system's capture zone. Two of these wells (01U128 and 01U617) have exhibited reasonably consistent concentrations of 1,2-dichloroethene since 1987 indicating that it migrated prior to the establishment of the capture zone. The third well, 01U621, has only exhibited 1,2-dichloroethene since September 1993. Well 01U621 is cross-gradient of well 01U617 suggesting that the 1,2-dichloroethene is the result of lateral dispersion of the remnant plume in the 01U617 vicinity. It is unlikely, given the hydraulic data, that this represents lack of performance of the groundwater collection system. In any case, continued monitoring in this area will monitor future changes in this part of the plume.

Influent and effluent analytical results are presented in Table XI-5. Historically, the higher concentrations in the influent have corresponded to higher pumping rates. Table XI-6 presents the effluent priority pollutant scan results.

F. CONCLUSIONS

The Building 103 groundwater remediation system is effective in attaining the designed capture of VOC contaminated groundwater in the Unit 1 at Building 103.

Section XII
Evaluation of Site I Interim Remedial Action

Nine Unit 1 monitoring wells were planned for sampling at Site I (Building 502) during 1994. These wells are 01U064, 01U636, 01U639, 01U640 and I01-MW through I05-MW. Figure XII-1 shows these well locations. However, six of these wells were dry at the time of sampling so no samples were collected. Samples from 01U636 and 01U640 were to be analyzed for EPA Method 608 PCBs and all nine wells were to be analyzed for EPA Method 601 VOCs. Table XII-1 presents the results of the analyses on wells 01U064, 01U639 and I01-MW.

The VOCs present at well 01U064 are consistent with past data which identified VOCs in the Unit 1 at Site I. The Unit 1 aquifer at Site I did not flow off-site during the monitoring year. This is evidenced by dry Unit 1 monitoring wells along the south and west boundaries of Site I as discussed above. To the east and north, the Unit 2 is absent.

PCB contaminated soils east of Building 502 were excavated in 1986. These soils are currently stored in a storage building built as part of the PCB IRA at Building 502.

PCBs are monitored in groundwater as part of the long term monitoring of the PCB removal activities. No analysis was possible this year, however the lack of PCBs over the previous seven years suggests that any residual PCBs which remain in the excavated area are immobile and are not a threat to the Unit 1 groundwater. The relative immobility of PCBs in soil is well documented in the literature.

Conclusions

The PCBs potentially present in the Site I soils have not impacted the Unit 1 groundwater as the portion of the aquifer beneath that portion of the Site was dry.

VOCs continue to be present in the Unit 1 aquifer beneath the western portion of Building 502.

Section XIII
OU3 Performance Evaluation

The PGRS (Plume Groundwater Recovery System) or Operable Unit 3 (OU3) is an off-post groundwater extraction and treatment system, and municipal potable water supply. The PGRS is designed to contain the south plume of VOC contamination emanating from TCAAP and prevent further downgradient migration. Recovered groundwater is treated and used by the City of New Brighton to fulfill its municipal water supply demand.

In July 1992 a TCAAP OU3 Feasibility Study (FS) was submitted to the Minnesota Pollution Control Agency (MPCA) and the U.S. Environmental Protection Agency (USEPA). A Record of Decision (ROD) was prepared by the MPCA and the USEPA in August 1992. As specified in the ROD, extracted groundwater will be treated in order to attain primary drinking water standards for VOCs and secondary drinking water standards for iron and manganese.

The PGRS began operations on May 3, 1994. This section of the report presents the monitoring results from the first five months of operation of the PGRS and documents treatment and groundwater performances.

The PGRS consists of one Prairie du Chien extraction well which is located within the PGRS treatment facility building. Groundwater is pretreated to remove naturally occurring iron and manganese using a green sand filter. VOCs are removed with granular activated carbon. The operation and maintenance of the treatment facility is performed by the City of New Brighton and with the exception of influent/effluent analytical results and daily pumping totals, facility operations are not provided in this report.

Following 90 days of operation of the PGRS, a TCAAP OU3 Remedial Action Report (RAP) was prepared. The RAP presented and assessed the hydraulic and treatment performance of the PGRS. The RAP is currently under review for approval by the MPCA and USEPA. Based on the RAP, the PGRS was assessed as follows:

1. The zone of capture generated by pumping the extraction well (NBM #13) at approximately 1,000 gpm is 3,500 feet wide. This is larger than the capture zone estimated and approved in the FS.

2. Groundwater hydraulic and chemical data indicate the PGRS effectively contains the leading edge of the south plume.

3. The PGRS treatment system effluent meets and exceeds all applicable drinking water standards for VOCs, iron and manganese as required in the ROD.

4. The PGRS influent was analyzed for arsenic quarterly due to its close proximity to a copper-arsenic wood treating facility. No concentrations were detected above the quantitation limit of 3 μg/l.

A. OBJECTIVES

The schedule for reporting corresponds to the federal fiscal year (FY) (October through September) to facilitate meeting reporting schedules in the TCAAP TGRS FFA/ROD. The fiscal year does not correspond to the operational year since the PGRS was started in May 1994. The focus of this document is to report the FY 1994 performance of the PGRS from May through September 1994.

The two specific objectives of this report are:

1. To delineate the hydraulic zone of capture induced by the PGRS. Capture is discussed in Section XIII C.2 with equipotential maps of the aquifer drawn from field data.

   In Section XIII C.2, the hydraulic zone of capture is compared to the VOC isoconcentration maps. The observed performance data form the core of the capture delineation.

2. To evaluate the treatment performance of the PGRS. This objective is met through the presentation of analytical data and the pumping data collected. These data allow calculations of the mass of VOCs removed and the removal efficiency.

B. MONITORING

The PGRS was originally scheduled to begin full scale operation on April 18, 1994. The original water level measurement schedule was intended to provide for ten rounds of water levels during the first week of operation (April 18 to April 24, 1994) and one round during the second week (April 24 to May 1, 1994). However, actual full scale operation of the PGRS did not occur until May 3, 1994, therefore, water level monitoring was modified. Appendix J.1 presents the water level database and the extraction well flow measurements are provided in Appendix J.2.

Samples were collected from the treatment facility effluent and influent on a monthly basis beginning on April 18, 1994 (the original scheduled full scale operation date). All influent and effluent samples were analyzed for VOCs using USATHAMA Method UG03. Influent samples were analyzed for arsenic quarterly in June and September 1994.

Groundwater samples were collected quarterly, June and September 1994, from 27 monitoring wells and analyzed for VOCs using USATHAMA Method UG03. Monitoring wells used for water levels and sampling for the PGRS are shown on Figure XIII-1.

C. PERFORMANCE

1. Treatment System

a. VOCs

Influent and effluent water was sampled on a monthly basis during FY 1994 and the results are provided in Table XIII-1. PGRS influent is labeled NB13I and effluent is labeled NB13E. Table XIII-2 presents a summary of the influent/effluent results and Figure XIII-2 shows the influent TRCLE concentration versus time. The average FY 1994 influent TRCLE concentration was 11.3 μg/l. Figure XIII-2 indicates that influent concentrations are rising over time.

Figure XIII-3 also includes a summary of the effluent TRCLE concentration versus time. As indicated, effluent has remained below detection limits for all sampling events in FY 1994 except on May 5, 1994 when the TRCLE concentration was detected at 0.33 μg/l. A review of the 1994 database indicates that the effluent has remained below the Contaminant Specific Requirements for all other VOC compounds. Comparison of influent and effluent TRCLE indicates an average removal efficiency of 99.9 percent.

b. Arsenic

In addition to the VOC parameter list, a sample for arsenic analysis was collected quarterly from the system influent. Arsenic has not been detected above the quantitation limit of 3 μg/l as shown on Table XIII-3.

2. Hydraulic Performance Assessment

The zone of hydraulic capture for the PGRS in FY 1994 was determined by contouring the March 1994 and July 1994 water level data. The March data represent background contours because the system did not operate until May 1994.

Contours were constructed manually. Past site experience and discussions with MPCA and USEPA determined that manually constructed contours are appropriate at TCAAP due to the complexities of the flow field and the resulting need for hydrogeological expertise in interpreting the flow field.

Appendix J.1 contains the water level database for the monitoring wells. Figures XIII-4 and XIII-5 present the groundwater contours for the Prairie du Chien for March and July 1994. These figures present the potentiometric contours of the Prairie du Chien Aquifer. These figures were previously presented in the Remedial Action Report.

Inspection of these figures indicates a broad area of very low horizontal gradients immediately southwest of the PGRS. This area is indicative of a stagnation zone downgradient of the PGRS. Based on monitoring well data, contaminants are not found in the Unit 3 or Jordan Sandstone Aquifer in this area, therefore, the Unit 3 and Jordan Sandstone Aquifer are not of concern for remediation in this area of the Site and further definition of Unit 3 and Jordan Sandstone capture is not needed.

a. Vertical Gradients

Table XIII-4 presents the vertical gradient summary since March 31, 1994. Background vertical gradients are representative of March 31 and May 2, 1994. Although the PGRS began full scale operation on May 3, 1994, the vertical gradients shown for April 28 and 29, 1994 reflect pre-startup operations and are not representative of background gradients.

1. Unit 3 and Prairie du Chien

The data indicates an upward gradient between the Unit 3 and the Prairie du Chien immediately southwest of TCAAP. Well nests 673, 841, 848 and 859 exhibit this trend. South of well 859 vertical gradients reverse to a downward trend as shown at well nests 832, 846, 854, 860, 861, MPCA1 and MPCA2. This downward gradient is also indicated in the Unit 3 VOC plume which extends to O3L859. The vertical gradient and analytical data suggests that the VOC plume is moving from the Unit 3 into the Prairie du Chien under this downward vertical gradient.

2. Prairie du Chien and Jordan Sandstone

Since the PGRS began operation, two well nests, 864 and 866 reveal a significant change in the vertical gradient. Well nests 864 (500 feet from NBM #13) and 866 (250 feet from NBM #13) are the closest well nests to the PGRS extraction well (NB Well 13). The next closest well nest, MPCA2, is located approximately 3500 feet from NBM #13 and shows no vertical influence.

Table XIII-4 shows that there is a downward vertical gradient between the Prairie du Chien and the Jordan Sandstone. However, this downward vertical gradient has been reduced since pumping began. Using the average background

gradient compared to the average gradient since pumping began, this downward vertical gradient has been decreased by 18% and 25% at well nests 864 and 866, respectively. Nearer to NBM #13 (completed in the Prairie du Chien) larger drawdowns within the Prairie du Chien are likely sufficient to create an upward vertical gradient between the Jordan and Prairie du Chien.

3. Chemical Performance

a. South VOC Plume

A total of 27 monitoring wells and the extraction well NB Well 13 were sampled quarterly, in June and September 1994. Seventeen of these wells (including NBM #13) are constructed in the Prairie du Chien Formation. Nine wells are constructed in the Unit 3, Hillside Sand Formation and two wells are in the Jordan Sandstone Formation. The treatment system was monitored monthly for VOCs and quarterly (June and September) for arsenic.

1. Prairie du Chien

The TRCLE concentrations from the wells sampled in the Prairie du Chien ranged from 0.61 μg/l to 200 μg/l. Nine of these wells exhibited concentrations above the MCL for drinking water which is set at 5 μg/l. A distribution of the TRCLE concentration above 5 μg/l is provided in Figure XIII-6. As shown, the TRCLE plume extends approximately two miles southwest of TCAAP to well NB Well 13.

2. Unit 3

The TRCLE concentrations from the wells sampled in the Unit 3 ranged from non-detect to 1,900 μg/l. Three of the nine wells sampled exhibited

concentrations above the MCLs. A distribution of the TRCLE concentration above 5 μg/l is provided in Figure XIII-7. As shown, the TRCLE plume in the Unit 3 extends approximately 1/2 mile from TCAAP.

3. Jordan Sandstone

VOCs were not detected in the two Jordan Sandstone monitoring wells sampled (04J864 and 04J866).

b. Treatment System

Table XIII-1 includes VOC data and Table XIII-3 presents the arsenic data from the PGRS treatment system influent and effluent. The influent to the treatment system ranged from 6.73 μg/l to 16.80 μg/l TRCLE. Effluent results were all well below applicable standards and were generally below detection limits for VOCs. Arsenic was not detected above detection limits of 3 μg/l.

The PGRS extracted and treated 207.7 million gallons of water from May through September 1994 (Appendix I.2). Based on the total average VOC concentrations from NB Well 13 influent (13.49 μg/l), the PGRS removed approximately 23 pounds of TRCLE from May through September 1994.

The total VOC concentrations at NBM #13 have increased from 7.71 μg/l in April 1994, prior to pumping, to 19.74 μg/l in September 1994. This indicates that NB Well 13 is located at the leading edge of the south plume in which the zone of capture continues to develop and higher VOC concentrations of the south plume are drawn in.

Section XIV
Conclusions

Based upon the results of monitoring performed at TCAAP, the following conclusions are offered for each of the operable units. Conclusions regarding Sites I and K, the TGRS, and OU3 were prepared by CRA. Conclusions regarding OU1 and the remainder of OU2 were prepared by Wenck.

A. OPERABLE UNIT 1

1. Groundwater in upper Unit 3, lower Unit 3, and upper Unit 4 generally flows southwest from the TCAAP boundary, but then bends more southward towards the Mississippi River. Local variations are evident, particularly in areas affected by pumping wells. The New Brighton and St. Anthony municipal well fields appear to have a strong influence on the groundwater flow direction, especially in upper Unit 4.

2. Water levels rose approximately three feet in FY 94 following the trend of the past three years.

3. VOC contamination from Sites D and G forms the "north" plume, which off-post constitutes OU1. The north plume flows off-post following the overall groundwater flow pattern. Based on magnitude of concentration, the primary contaminants in OU1 are trichloroethene and 1,1,1-trichloroethane.

4. The size of the areas represented by the 1,000, 100, and 10 μg/l contour appear to be decreasing over time, while the extent of the plume as represented by the 1 μg/l contour has remained generally the same, although it fluctuates from year to year.

5. Data gathered from wells near County Road C indicate that contamination is present in the Prairie du Chien Formation at concentrations that are generally higher than those in the underlying Jordan Formation.

6. While it is possible that VOC contamination has migrated from TCAAP beyond County Road C to the south, the data and cross section A-A' (Figure VI-13 and Plan Sheet 26) indicate that a separate source is likely contributing to the higher VOC concentrations reported in the vicinity of Gross Golf Course. The off-post isoconcentration maps indicate that the 100-μg/l contour for trichloroethene and 10-μg/l contour for 1,1,1-trichloroethane are approximately 2 miles from the Gross Golf Course wells. New wells installed in FY 93 between the St. Anthony municipal wells and Gross Golf Course further support the interpretation of two separate source areas.

7. The detection of VOCs at well 03L858 appears to be the result of a separate source. Therefore, this well will be omitted from the TCAAP monitoring network.

B. OPERABLE UNIT 2

General

1. Groundwater flow in OU2 is generally to the southwest. Similar to OU1, groundwater levels continued their upward trend and rose approximately three feet in FY 94.

2. Sites D, G, and I continue to represent the most significant sources of VOC contamination in Unit 3 and Unit 4 groundwater at TCAAP. The plumes from Sites D and G merge on-post and continue off-post as a single plume (the "north" plume). On-post there is separation of this plume and the plume emanating from Site I (the "south" plume), however, the perimeters of the two plumes merge off-post and then diverge again further south.

3. Trichloroethene and 1,1,1-trichloroethane are the primary contaminants in both plumes.

4. Monitoring at Sites B, C, E, F, H, 129-3, 129-5, and 129-15 indicates that these sites are minor or negligible sources for groundwater contamination.

5. Interim Remedial Actions at Sites D, G, and I are effectively reducing the source areas, thereby minimizing additional impacts to groundwater. The effectiveness is demonstrated by overall trends of decreasing concentrations in monitoring wells at and downgradient of Sites D, G, and I. However, certain downgradient wells have increasing trends due to contaminant migration toward the recovery wells.

6. A zone of low VOC concentrations within the 1,000 μg/l contour of the north plume was observed in FY 94 possibly indicating a break in the plume near the TCAAP southwest boundary.

7. Surface water monitoring in FY 94 indicated that zinc was the only compound which consistently exceeded the TCAAP surface water action criteria. There was also one chromium exceedance and one trichloroethene exceedance in FY 94. No further action is recommended other than continued monitoring.

Site A

1. It appears that there are two source areas contributing to groundwater contamination at Site A. Two plumes are evident in the vicinity of wells 01U102 and 01U108, but the plumes merge together downgradient near the TCAAP property boundary.

2. Site A remediation was modified in FY 94 with start-up of the Removal Action System and shutdown of the Interim Remedial Action System. The 90-Day Operations Report on the Site A Removal Action states "the remediation system at Site A appears to be achieving the desired remediation goals" (STS, 1994).

3. Contaminant plumes have not changed significantly in the past year.

4. At the request of MPCA, a comprehensive sampling event was performed in FY 94 for aromatic VOCs and metals.

TGRS

1. The TGRS develops a continuous zone of capture that is approximately 5,000 feet wide at the TCAAP boundary. The zone of capture widens to over 6,000 feet upgradient of the boundary. Data from nested wells at three levels within the aquifer demonstrate that this extent of capture is also vertically continuous. This zone of capture was demonstrated at average system pumping rate of approximately 2,513 gpm.

2. Hydraulic capture in Unit 3 extends beyond the 5 μg/l TRCLE contour at the TCAAP boundary. This meets the VOC capture criterion in the EPA ROD.

3. Hydraulic capture in Unit 4 extends beyond the 5 μg/l TRCLE contour at the TCAAP boundary. This meets the VOC capture criterion in the EPA ROD.

4. The TGRS extracted and treated 1,320,653,000 gallons of water and removed 15,070 pounds of VOCs from October 1993 to September 1994.

5. The VOC plumes showed a reduction in overall extent since 1988. In particular, the monitoring wells north of and including extraction well B12 were below the contaminant specific requirements for all VOCs.

6. All effluent metals sampling results were below the contaminant specific requirements.

7. Effluent VOC concentrations were below Contaminant Specific Requirements for all sampling events.

8. The effluent priority pollutant scan indicated no parameters above the contaminant specific requirements.

Site K

The Site K groundwater extraction and treatment system removed 20 lbs. of VOCs in FY 1994 and continues to provide hydraulic capture of the VOC plume.

Site I

PCBs potentially present in Site I soils have not impacted the Unit 1 aquifer at the Site. VOCs continue to be present in Unit 1 groundwater at the Site.

Recommendations

Based on the reduction in plume extent to the north of B12, Alliant recommends that extraction well B12 (OPJ#313) be shut down. The pumping capacity of B12 can be redistributed to other wells depending on the capacity of the individual well pumps.

C. OPERABLE UNIT 3

1. The final remedy for OU3, the Plume Groundwater Recovery System (PGRS), became operational in FY 94.

2. The PGRS zone of capture is approximately 3,500 feet wide. This zone of capture was demonstrated at an average pumping rate of approximately 1,000 gpm. Groundwater hydraulic and chemical data indicate the PGRS effectively contains the leading south edge of the south plume.

3. The PGRS treatment system effluent meets and exceeds all applicable drinking water standards for VOCs, iron, and manganese as required in the 0U3 ROD.

4. Arsenic was not detected in the PGRS influent.

Section XV
Fiscal Year 1996 Annual Monitoring Plan

A. GENERAL

The TCAAP Annual Monitoring Plan (AMP) outlines the groundwater and surface water monitoring proposed for the site in accordance with the requirements of the TCAAP Federal Facilities Agreement (FFA). Historically, the AMP has detailed the monitoring needed for characterization of the site while the Interim Remedial Actions (IRAs) were in operation and while the site Remedial Investigation (RI) was being completed. The monitoring and reporting required under these two programs is outlined in Attachments 2 and 3, respectively, of the FFA.

By Fiscal Year 1996, Remedial Actions (RAs) will be in place for each of the three operable units at TCAAP (i.e. OU1, OU2, and OU3). At that time, the monitoring conducted at the site will be exclusively performance monitoring in accordance with Attachment 5 of the FFA. Section 5.3 of Attachment 5 states that monitoring will be conducted as "necessary to determine the status and effectiveness of the RA(s) to be implemented at or near the Site."

The performance monitoring which will be necessary for each operable unit will be outlined in their individual performance monitoring plans. The performance monitoring plans for OU1 and OU3 have been finalized and have been incorporated into the FY 96 AMP. The performance monitoring plan for OU2 is projected to be completed in FY 95 and will be incorporated into the FY 96 AMP when it is finalized. Therefore, the FY 96 Groundwater Monitoring Plan and Surface Water Monitoring Plan for OU2 outlined in this section and presented in Table XV-1 should be considered the default plan which will be replaced with the actual performance monitoring plans when they are finalized.

B. FISCAL YEAR 1996 GROUNDWATER QUALITY MONITORING PLAN

The Fiscal Year 1996 Groundwater Quality Monitoring Plan is included in Table XV-1. The starting date for each monitoring event is shown in Table XV-1 to serve as notification to the MPCA in place of separate letters. The sampling frequency will remain similar to the Fiscal Year 1995 Groundwater Quality Monitoring Plan in that there will be one comprehensive monitoring event and additional sampling will be conducted quarterly at select wells as deemed necessary to monitor performance. In addition, monthly sampling will be conducted at certain Site A wells as in past years.

The comprehensive round of sampling will be performed in March as in past years to enable preparation of comprehensive contour maps. Other quarterly sampling will be conducted in December, June, and September. Historical data for this project indicate that groundwater quality changes occur over years, not months, and therefore comprehensive sampling three or four times per year is not justified.

The FY 96 monitoring outlined in Table XV-1 incorporates the OU1 and OU3 performance monitoring documented in the respective MPCA approved work plans. As noted in the previous section, the FY 96 AMP will be modified further as the performance monitoring plan for OU2 is completed.

The following table indicates changes which were made to OU2 and OU3 in the Annual Monitoring Plan (AMP) between FY 95 and FY 96. The monitoring for OU1 was completely replaced by the OU1 Performance Monitoring Plan finalized in August 1995 and the changes are not documented here. The major changes in monitoring for OU2 involve Site A. At Site A, the sampling frequency and parameters have been modified in response to new data collected from the wells installed in FY 93 for the Site A Removal Action. The monitoring for OU3 has also been modified to match the OU3 Monitoring Work Plan. The complete FY 96 AMP is presented in Table XV-1.

Site	Well I.D.	Quarter(s)	Sampling Change	Rationale for Change
On-Post				
A				
	01U102, 01U115, 01U117, 01U350, 01U351-01U358, 01U901-01U904	50	Add Category 7	Changed for FY 96 only
	01U109, 01U110, 01U118, 01U139, 01U140	50	Delete Category 7	Intensive sampling no longer required
	01U115, 01U116, 01U125, 01U138, 01U140	49, 51	Delete Category 1	Intensive sampling no longer required
	01U117, 01U139	49, 51	Delete Category 1	Intensive sampling no longer required
	01U350	50	Add Category 1	Monitoring of north plume source area
J	01U526	50	Delete Category 1	Site closed
Off-Post				
	03L858	50	Delete Category 1	Well not in TCAAP plume
0U3				
	03L673, 03U673, 04U673,	51,52	Delete water level measurements and Category 1	Monitoring is reduced in accordance with the 0U3 Monitoring Work Plan
	03L832, 03L841, 03L848, 03L854, 03L859, 03L860, 03L861, 03M848, 03U832, 04J864, 04J866, 04U832, 04U841, 04U844, 04U845, 04U846, 04U848, 04U851, 04U852, 04U854, 04U859, 04U860, 04U861, 04U863, 04U864, 04U865, 04U866, 04U877, 500691, 409557, 409547, 409546, 409548, NBM#13	51,52	Delete water level measurements	Monitoring is reduced in accordance with the 0U3 Monitoring Work Plan
	04J864, 04J866, 04U863, 04U864, 04U865, 04U866, 500691, MW15H	51	Delete Category 1	Monitoring is reduced in accordance with the 0U3 Monitoring Work Plan
	03L846	49,50	Add Category 1	Monitoring is increased in accordance with the 0U3 Monitoring Work Plan

C. FISCAL YEAR 1996 GROUNDWATER LEVEL MONITORING PLAN

The Fiscal Year 1996 Groundwater Level Monitoring Plan is included in Table XV-1. The starting date for each monitoring event is shown in Table XV-1 to serve as notification to the MPCA in place of separate letters. The frequency of the monitoring will generally remain the same as in the Fiscal Year 1995 Groundwater Level Monitoring Plan, however, similar to the FY 96 Groundwater Quality Monitoring Plan, the Groundwater Level Monitoring Plan may be modified upon completion of the OU2 RA.

D. FISCAL YEAR 1996 SURFACE WATER MONITORING PLAN

The TCAAP Surface Water Monitoring Plan incorporates and expands on the monitoring required for National Pollutant Discharge Elimination System (NPDES) permit issued to the site. A total of fourteen locations are sampled as shown on Figure VIII-1. The proposed Surface Water Monitoring Plan is included as Table XV-3. The plan was modified extensively for FY 95 in response to changing data requirements and new information obtained through the OU2 Feasibility Study. The specific changes to the plan were outlined in the FY 93 AMR and are carried through to FY 96. The Surface Water Monitoring Plan may be affected by the OU2 RA and will likely be modified upon completion of that plan.

E. FISCAL YEAR 1996 REPORTING

1. Quarterly Reports

Quarterly reports will be prepared and submitted to the MPCA and USEPA following each sampling event as they were under Attachments 2 and 3 of the FFA. The quarterly reports will be submitted to the Project Managers at least 15 days prior to the next quarterly sampling event and will contain the following information:

- Laboratory analytical reports;
- Laboratory cover letters to data sets;
- Bi-monthly USAEC QC reports;
- Army evaluation (completeness check):
- Chain of custodies;
- Field notes; and
- Groundwater level table.

2. Annual Report

By February 15, 1997, an Annual Performance Report will be prepared and submitted to the MPCA and USEPA Project Managers which documents the monitoring at TCAAP during FY 96. The Fiscal Year 1996 report will be a comprehensive performance monitoring report under Attachment 5 of the TCAAP FFA and will include the Performance Monitoring Reports for OU1, OU2, and OU3. The report will also contain a discussion and evaluation of monitoring of soil or other media if required by the Record of Decisions (RODs) for the respective operable units.

The overall purpose of the annual report will be to provide:

- One comprehensive data source for TCAAP;
- A summary of restoration work performed in the past fiscal year;
- A summary of proposed work;
- A performance evaluation of the remedial actions at each operable unit; and
- An annual monitoring plan for each operable unit including proposed groundwater, surface water, soils, sediment, and treatment system influent and effluent sampling.

Listed below is the proposed table of contents for the report.

TITLE: ANNUAL PERFORMANCE REPORT

I. EXECUTIVE SUMMARY

II. INTRODUCTION

- A. Purpose
- B. Background

III. OPERABLE UNIT 1 PERFORMANCE EVALUATION

- A. Description of the Remedial Action
- B. Monitoring
  - 1. Treatment System
  - 2. Groundwater
- C. Performance
  - 1. Hydraulic Performance
  - 2. Treatment System Performance
- D. Conclusions
- E. Recommendations
- F. OU1 Performance Monitoring Plan
  - 1. Groundwater Monitoring Plan

IV. OPERABLE UNIT 2 PERFORMANCE EVALUATION

- A. Description of the Remedial Actions
- B. Monitoring for each Remedial Action
  - 1. Treatment Systems
  - 2. Groundwater
  - 3. Surface Water and Sediments
  - 4. Soil
- C. Performance of each Remedial Action
  - 1. Hydraulic Performance
  - 2. Treatment System Performance
- D. Conclusions
- E. Recommendations
- F. OU2 Performance Monitoring Plan
  - 1. Groundwater Monitoring Plan
  - 2. Surface Water and Sediment Monitoring Plan
  - 3. Soil Monitoring Plan

V. OPERABLE UNIT 3 PERFORMANCE EVALUATION

A. Description of the Remedial Action
B. Monitoring
    1. Treatment System
    2. Groundwater
C. Performance
    1. Hydraulic Performance
    2. Treatment System Performance
D. Conclusions
E. Recommendations
F. OU3 Performance Monitoring Plan
    1. Groundwater Monitoring Plan

In addition to the text of the report which will follow the outline presented here, tables, figures and appendices will be included to document the site conditions. The supporting tables, figures, and appendices will be similar to those in the FY 94 AMR in many respects and will include groundwater flow maps, contaminant concentration maps, contaminant trend diagrams, and data pertinent to the discussion in the text.

A comprehensive data set will also be prepared for TCAAP annually. The format and method of presentation of the data is yet to be determined, however, it will likely be either a comprehensive historic database published annually or an annual supplement to the historic database which will be prepared the first year. The data set may be included with annual report or it may be prepared as a separate document as determined by agreement between the TCAAP Project Managers.

Section XVI
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TABLES

Table IV-1

TCAAP Groundwater Elevation Data

Notes:

(1) TOS = Top of Surface which represents the ground surface elevation in feet above mean sea level (MSL). The TOS elevations were retrieved from the USAEC IRDMIS. All data are referenced to new TOS elevations surveyed by Kemper and Associates, Inc. during July through September 1992.

(2) Qtr = Quarter. Under this heading, F = FCC and A = Alliant Techsystems, Inc.

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01L811	908.4	14-Dec-87	16 F	895.2
01L811	908.4	27-Jan-88	17 F	894.6
01L811	908.4	30-Aug-88	19 F	893.9
01L811	908.4	22-Nov-88	20 F	893.5
01L811	908.4	06-Aug-89	23 F	894.1
01L811	908.4	03-Nov-89	24 F	893.6
01L811	908.4	05-May-90	26 F	894.1
01L811	908.4	01-Apr-91	30 F	894.0
01L811	908.4	17-Mar-92	34 F	896.9
01L811	908.4	03-Mar-93	38 F	895.6
01L811	908.4	18-Mar-94	42 F	895.2
01L813	870.7	14-Dec-87	16 F	868.4
01L813	870.7	27-Jan-88	17 F	868.1
01L813	870.7	13-Apr-88	18 F	868.7
01L813	870.7	30-Aug-88	19 F	866.6
01L813	870.7	22-Nov-88	20 F	867.5
01L813	870.7	06-Aug-89	23 F	864.9
01L813	870.7	03-Nov-89	24 F	867.3
01L813	870.7	03-May-90	26 F	867.4
01L813	870.7	01-Apr-91	30 F	869.1
01L813	870.7	20-Mar-92	34 F	869.7
01L813	870.7	03-Mar-93	38 F	869.3
01L816	900.9	14-Dec-87	16 F	869.8
01L816	900.9	27-Jan-88	17 F	869.8
01L816	900.9	13-Apr-88	18 F	870.0
01L816	900.9	30-Aug-88	19 F	869.0
01L816	900.9	03-Nov-89	24 F	867.2
01L816	900.9	03-May-90	26 F	869.2
01L816	900.9	01-Apr-91	30 F	867.6
01L816	Well Abandoned			
01L821	877.5	14-Dec-87	16 F	871.8
01L821	877.5	26-Jan-88	17 F	871.5
01L821	877.5	13-Apr-88	18 F	872.1
01L821	877.5	30-Aug-88	19 F	870.4
01L821	877.5	22-Nov-88	20 F	868.5
01L821	877.5	03-Nov-89	24 F	870.8
01L821	877.5	03-May-90	26 F	870.5
01L821	877.5	01-Apr-91	30 F	872.5
01L821	877.5	16-Mar-92	34 F	873.4
01L821	877.5	03-Mar-93	38 F	872.1
01L821	877.5	18-Mar-94	42 F	872.4
01L822	876.1	14-Dec-87	16 F	868.1
01L822	876.1	26-Jan-88	17 F	867.7
01L822	876.1	13-Apr-88	18 F	868.4
01L822	876.1	30-Aug-88	19 F	866.7
01L822	876.1	22-Nov-88	20 F	867.9
01L822	876.1	03-Nov-89	24 F	867.2
01L822	876.1	03-May-90	26 F	865.9
01L822	876.1	01-Apr-91	30 F	869.1
01L822	876.1	19-Mar-92	34 F	870.0
01L822	876.1	04-Mar-93	38 F	868.0
01L822	876.1	18-Mar-94	42 F	869.0
01L823	880.4	14-Dec-87	16 F	872.4
01L823	880.4	26-Jan-88	17 F	871.9
01L823	880.4	13-Apr-88	18 F	872.3
01L823	880.4	30-Aug-88	19 F	871.4
01L823	880.4	22-Nov-88	20 F	871.4
01L823	880.4	03-Nov-89	24 F	871.1
01L823	880.4	03-May-90	26 F	869.9
01L823	880.4	01-Apr-91	30 F	872.4
01L823	880.4	20-Mar-92	34 F	874.1
01L823	880.4	10-Mar-93	38 F	872.4
01L823	880.4	18-Mar-94	42 F	872.7
01U003	943.4	14-Dec-87	16 F	934.2
01U003	943.4	26-Jan-88	17 F	934.1
01U003	943.4	14-Apr-88	18 F	936.3
01U003	943.4	27-Apr-89	22 F	930.6
01U003	943.4	05-Aug-89	23 F	931.2
01U003	943.4	01-Apr-91	30 F	936.5
01U003	943.4	17-Mar-92	34 F	938.6
01U003	943.4	03-Mar-93	38 F	935.2
01U003	943.4	17-Mar-94	42 F	934.7
01U004	951.1	14-Dec-87	16 F	940.8
01U004	951.1	27-Jan-88	17 F	939.3
01U004	951.1	14-Apr-88	18 F	941.9
01U004	951.1	30-Aug-88	19 F	940.2
01U004	951.1	22-Nov-88	20 F	940.8
01U004	951.1	27-Apr-89	22 F	938.0
01U004	951.1	05-Aug-89	23 F	942.3
01U004	951.1	03-Nov-89	24 F	938.8
01U011	900.0	14-Dec-87	16 F	892.1
01U011	900.0	26-Jan-88	17 F	891.2
01U011	900.0	13-Apr-88	18 F	892.1
01U011	900.0	30-Aug-88	19 F	890.3
01U011	900.0	22-Nov-88	20 F	890.2
01U011	900.0	05-Aug-89	23 F	890.6
01U011	900.0	04-Nov-89	24 F	889.8
01U011	900.0	27-Apr-90	26 F	889.5
01U011	900.0	01-Apr-91	30 F	892.8
01U011	900.0	09-Mar-92	34 F	896.3
01U011	900.0	01-Mar-93	38 F	893.1
01U011	900.0	11-Mar-94	42 F	894.6
01U012	880.1	14-Dec-87	16 F	875.0
01U012	880.1	27-Jan-88	17 F	874.8
01U012	880.1	13-Apr-88	18 F	875.2
01U012	880.1	30-Aug-88	19 F	874.3
01U012	880.1	22-Nov-88	20 F	874.6
01U012	880.1	05-Aug-89	23 F	874.8
01U012	880.1	02-Nov-89	24 F	874.4
01U012	880.1	27-Apr-90	26 F	875.4
01U012	880.1	01-Apr-91	30 F	876.5
01U012	880.1	16-Mar-92	34 F	877.9
01U012	880.1	01-Mar-93	38 F	875.6
01U012	880.1	09-Mar-94	42 F	876.0
01U022	897.7	14-Dec-87	16 F	894.3
01U022	897.7	27-Jan-88	17 F	893.2
01U022	897.7	13-Apr-88	18 F	895.2
01U022	897.7	05-Aug-89	23 F	890.8
01U022	897.7	02-Nov-89	24 F	891.0
01U022	897.7	23-Jan-90	25 F	891.1
01U022	897.7	20-Feb-90	25 F	891.0
01U022	897.7	20-Mar-90	25 F	893.6
01U022	897.7	16-Apr-90	26 F	893.9
01U022	897.7	22-May-90	26 F	895.3
01U022	897.7	19-Jun-90	26 F	896.1
01U022	897.7	17-Jul-90	27 F	893.5
01U022	897.7	21-Aug-90	27 F	893.6
01U022	897.7	18-Sep-90	28 F	895.1
01U022	897.7	02-Nov-90	29 F	893.7
01U022	897.7	18-Dec-90	29 F	893.7
01U022	897.7	19-Feb-91	30 F	890.9
01U022	897.7	19-Mar-91	30 F	895.2
01U022	897.7	16-Apr-91	31 F	896.1
01U022	897.7	18-Jun-91	31 F	893.7
01U022	897.7	18-Jun-91	31 F	893.7
01U022	897.7	19-Aug-91	32 F	893.3
01U022	897.7	22-Oct-91	33 F	893.8
01U022	897.7	21-Dec-91	33 F	895.0
01U022	897.7	18-Feb-92	34 F	894.8
01U022	897.7	09-Mar-92	34 F	895.9
01U022	897.7	13-Apr-92	35 F	895.0
01U022	897.7	16-Jun-92	35 F	892.6
01U022	897.7	21-Aug-92	36 F	891.7
01U022	897.7	20-Oct-92	37 F	894.8
01U022	897.7	01-Dec-92	37 F	895.0
01U022	897.7	01-Feb-93	38 F	894.5
01U022	897.7	01-Mar-93	38 F	894.7
01U022	897.7	08-Mar-94	42 F	895.6

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U033	887.4	14-Dec-87	16 F	885.2
01U033	887.4	26-Jan-88	17 F	885.6
01U033	887.4	13-Apr-88	18 F	885.3
01U033	887.4	30-Aug-88	19 F	883.3
01U033	887.4	22-Nov-88	20 F	884.7
01U033	887.4	05-Aug-89	23 F	884.1
01U033	887.4	02-Nov-89	24 F	884.0
01U033	887.4	27-Apr-90	26 F	885.8
01U033	887.4	01-Apr-91	30 F	886.4
01U033	887.4	24-Mar-92	34 F	886.3
01U033	887.4	02-Mar-93	38 F	886.9
01U033	887.4	11-Mar-94	42 F	886.9
01U034	901.2	14-Dec-87	16 F	896.9
01U034	901.2	26-Jan-88	17 F	895.4
01U034	901.2	30-Aug-88	19 F	895.0
01U034	901.2	22-Nov-88	20 F	894.9
01U034	901.2	05-Aug-89	23 F	894.9
01U034	901.2	02-Nov-89	24 F	893.7
01U034	901.2	27-Apr-90	26 F	894.1
01U034	901.2	01-Apr-91	30 F	897.2
01U034	901.2	09-Mar-92	34 F	899.4
01U034	901.2	01-Mar-93	38 F	895.7
01U034	901.2	11-Mar-94	42 F	897.9
01U035	899.4	14-Dec-87	16 F	895.2
01U035	899.4	26-Jan-88	17 F	894.0
01U035	899.4	13-Apr-88	18 F	894.4
01U035	899.4	30-Aug-88	19 F	893.2
01U035	899.4	22-Nov-88	20 F	892.7
01U035	899.4	05-Aug-89	23 F	893.0
01U035	899.4	02-Nov-89	24 F	892.0
01U035	899.4	27-Apr-90	26 F	892.4
01U035	899.4	01-Apr-91	30 F	894.9
01U035	899.4	09-Mar-92	34 F	898.3
01U035	899.4	01-Mar-93	38 F	895.0
01U035	899.4	11-Mar-94	42 F	896.3
01U036	901.0	14-Dec-87	16 F	895.0
01U036	901.0	26-Jan-88	17 F	893.9
01U036	901.0	13-Apr-88	18 F	894.0
01U036	901.0	30-Aug-88	19 F	892.8
01U036	901.0	22-Nov-88	20 F	892.3
01U036	901.0	24-Apr-89	22 F	891.3
01U036	901.0	05-Aug-89	23 F	892.7
01U036	901.0	02-Nov-89	24 F	891.6
01U036	901.0	23-Jan-90	25 F	890.8
01U036	901.0	20-Feb-90	25 F	890.5
01U036	901.0	20-Mar-90	25 F	891.0
01U036	901.0	16-Apr-90	26 F	891.2
01U036	901.0	22-May-90	26 F	892.9
01U036	901.0	19-Jun-90	26 F	895.2
01U036	901.0	17-Jul-90	27 F	894.8
01U036	901.0	21-Aug-90	27 F	894.8
01U036	901.0	18-Sep-90	28 F	895.5
01U036	901.0	02-Nov-90	29 F	894.1
01U036	901.0	18-Dec-90	29 F	894.6
01U036	901.0	19-Feb-91	30 F	893.9
01U036	901.0	01-Apr-91	30 F	892.9
01U036	901.0	16-Apr-91	31 F	895.5
01U036	901.0	18-Jun-91	31 F	897.3
01U036	901.0	18-Jun-91	31 F	897.1
01U036	901.0	19-Aug-91	32 F	896.5
01U036	901.0	22-Oct-91	33 F	897.1
01U036	901.0	21-Dec-91	33 F	897.8
01U036	901.0	18-Feb-92	34 F	896.9
01U036	901.0	09-Mar-92	34 F	898.3
01U036	901.0	13-Apr-92	35 F	898.0
01U036	901.0	16-Jun-92	35 F	896.8
01U036	901.0	21-Aug-92	36 F	895.6
01U036	901.0	20-Oct-92	37 F	896.5
01U036	901.0	01-Dec-92	37 F	896.7
01U036	901.0	01-Feb-93	38 F	895.3
01U036	901.0	08-Mar-93	38 F	895.2
01U036	901.0	07-Mar-94	42 F	896.3
01U037	898.7	14-Dec-87	16 F	892.3
01U037	898.7	26-Jan-88	17 F	891.8
01U037	898.7	30-Aug-88	19 F	890.6
01U037	898.7	22-Nov-88	20 F	890.0
01U037	898.7	24-Apr-89	22 F	888.7
01U037	898.7	05-Aug-89	23 F	890.4
01U037	898.7	02-Nov-89	24 F	889.5
01U037	898.7	23-Jan-90	25 F	888.7
01U037	898.7	20-Feb-90	25 F	888.5
01U037	898.7	20-Mar-90	25 F	889.0
01U037	898.7	16-Apr-90	26 F	889.1
01U037	898.7	22-May-90	26 F	889.9
01U037	898.7	19-Jun-90	26 F	895.0
01U037	898.7	17-Jul-90	27 F	892.1
01U037	898.7	21-Aug-90	27 F	892.1
01U037	898.7	18-Sep-90	28 F	892.9
01U037	898.7	02-Nov-90	29 F	892.0
01U037	898.7	18-Dec-90	29 F	891.6
01U037	898.7	19-Feb-91	30 F	890.9
01U037	898.7	19-Mar-91	30 F	890.9
01U037	898.7	16-Apr-91	31 F	893.2
01U037	898.7	18-Jun-91	31 F	895.2
01U037	898.7	18-Jun-91	31 F	895.2
01U037	898.7	30-Jul-91	32 F	895.0
01U037	898.7	19-Aug-91	32 F	894.1
01U037	898.7	22-Oct-91	33 F	895.0
01U037	898.7	21-Dec-91	33 F	895.8
01U037	898.7	18-Feb-92	34 F	894.7
01U037	898.7	09-Mar-92	34 F	896.2
01U037	898.7	13-Apr-92	35 F	895.9
01U037	898.7	16-Jun-92	35 F	894.5
01U037	898.7	21-Aug-92	36 F	893.4
01U037	898.7	20-Oct-92	37 F	894.3
01U037	898.7	01-Dec-92	37 F	894.6
01U037	898.7	01-Feb-93	38 F	893.2
01U037	898.7	01-Mar-93	38 F	892.9
01U037	898.7	09-Mar-94	42 F	894.4
01U038	900.3	14-Dec-87	16 F	891.7
01U038	900.3	26-Jan-88	17 F	891.3
01U038	900.3	13-Apr-88	18 F	891.6
01U038	900.3	30-Aug-88	19 F	890.0
01U038	900.3	22-Nov-88	20 F	889.3
01U038	900.3	24-Apr-89	22 F	888.2
01U038	900.3	05-Aug-89	23 F	889.7
01U038	900.3	02-Nov-89	24 F	888.8
01U038	900.3	23-Jan-90	25 F	888.2
01U038	900.3	20-Feb-90	25 F	887.9
01U038	900.3	20-Mar-90	25 F	888.5
01U038	900.3	16-Apr-90	26 F	888.4
01U038	900.3	22-May-90	26 F	889.0
01U038	900.3	19-Jun-90	26 F	890.3
01U038	900.3	17-Jul-90	27 F	891.0
01U038	900.3	21-Aug-90	27 F	891.1
01U038	900.3	18-Sep-90	28 F	891.9
01U038	900.3	02-Nov-90	29 F	891.3
01U038	900.3	18-Dec-90	29 F	891.0
01U038	900.3	19-Feb-91	30 F	890.2
01U038	900.3	19-Mar-91	30 F	890.6
01U038	900.3	16-Apr-91	31 F	892.2
01U038	900.3	18-Jun-91	31 F	894.3
01U038	900.3	18-Jun-91	31 F	894.3
01U038	900.3	30-Jul-91	32 F	894.4
01U038	900.3	19-Aug-91	32 F	893.0
01U038	900.3	22-Oct-91	33 F	894.3
01U038	900.3	21-Dec-91	33 F	895.1
01U038	900.3	18-Feb-92	34 F	893.9
01U038	900.3	04-Mar-92	34 F	895.1
01U038	900.3	13-Apr-92	35 F	895.2
01U038	900.3	16-Jun-92	35 F	893.6
01U038	900.3	21-Aug-92	36 F	892.5
01U038	900.3	20-Oct-92	37 F	893.5

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U038	900.3	01-Dec-92	37 F	893.9
01U038	900.3	01-Feb-93	38 F	892.6
01U038	900.3	01-Mar-93	38 F	892.3
01U038	900.3	20-Apr-93	39 F	894.3
01U038	900.3	15-Jun-93	39 F	894.4
01U038	900.3	16-Aug-93	40 F	896.2
01U038	900.3	29-Oct-93	41 F	894.4
01U038	900.3	16-Dec-93	41 F	894.4
01U038	900.3	17-Feb-94	42 F	893.3
01U038	900.3	09-Mar-94	42 F	893.8
01U038	900.3	27-Apr-94	43 F	897.7
01U038	900.3	08-Jun-94	43 F	894.5
01U038	900.3	26-Jul-94	44 F	897.6
01U038	900.3	08-Sep-94	44 F	891.6
01U039	897.5	14-Dec-87	16 F	884.0
01U039	897.5	30-Aug-88	19 F	882.4
01U039	897.5	22-Nov-88	20 F	881.9
01U039	897.5	24-Apr-89	22 F	879.6
01U039	897.5	05-Aug-89	23 F	882.8
01U039	897.5	02-Nov-89	24 F	882.0
01U039	897.5	23-Jan-90	25 F	881.4
01U039	897.5	20-Feb-90	25 F	881.2
01U039	897.5	20-Mar-90	25 F	881.1
01U039	897.5	16-Apr-90	26 F	881.1
01U039	897.5	22-May-90	26 F	881.4
01U039	897.5	19-Jun-90	26 F	882.2
01U039	897.5	17-Jul-90	27 F	883.2
01U039	897.5	21-Aug-90	27 F	883.2
01U039	897.5	18-Sep-90	28 F	884.4
01U039	897.5	02-Nov-90	29 F	884.0
01U039	897.5	18-Dec-90	29 F	883.6
01U039	897.5	19-Feb-91	30 F	882.9
01U039	897.5	19-Mar-91	30 F	882.7
01U039	897.5	16-Apr-91	31 F	882.9
01U039	897.5	18-Jun-91	31 F	885.9
01U039	897.5	18-Jun-91	31 F	885.8
01U039	897.5	30-Jul-91	32 F	886.1
01U039	897.5	19-Aug-91	32 F	886.1
01U039	897.5	22-Oct-91	33 F	886.9
01U039	897.5	21-Dec-91	33 F	886.8
01U039	897.5	18-Feb-92	34 F	886.2
01U039	897.5	05-Mar-92	34 F	876.7
01U039	897.5	13-Apr-92	35 F	886.6
01U039	897.5	16-Jun-92	35 F	887.1
01U039	897.5	21-Aug-92	36 F	886.1
01U039	897.5	20-Oct-92	37 F	885.8
01U039	897.5	01-Dec-92	37 F	885.7
01U039	897.5	01-Feb-93	38 F	885.2
01U039	897.5	01-Mar-93	38 F	884.9
01U039	897.5	20-Apr-93	39 F	884.8
01U039	897.5	15-Jun-93	39 F	886.5
01U039	897.5	16-Aug-93	40 F	889.8
01U039	897.5	29-Oct-93	41 F	887.4
01U039	897.5	16-Dec-93	41 F	887.4
01U039	897.5	17-Feb-94	42 F	886.4
01U039	897.5	09-Mar-94	42 F	886.1
01U039	897.5	27-Apr-94	43 F	886.1
01U039	897.5	08-Jun-94	43 F	886.8
01U039	897.5	26-Jul-94	44 F	885.8
01U039	897.5	08-Sep-94	44 F	884.7
01U040	892.5	14-Dec-87	16 F	882.5
01U040	892.5	27-Jan-88	17 F	881.7
01U040	892.5	30-Aug-88	19 F	880.8
01U040	892.5	22-Nov-88	20 F	880.1
01U040	892.5	24-Apr-89	22 F	878.7
01U040	892.5	05-Aug-89	23 F	881.3
01U040	892.5	02-Nov-89	24 F	880.3
01U040	892.5	23-Jan-90	25 F	879.5
01U040	892.5	20-Feb-90	25 F	879.3
01U040	892.5	20-Mar-90	25 F	879.6
01U040	892.5	16-Apr-90	26 F	879.6
01U040	892.5	22-May-90	26 F	880.9
01U040	892.5	19-Jun-90	26 F	882.5
01U040	892.5	17-Jul-90	27 F	883.1
01U040	892.5	21-Aug-90	27 F	883.2
01U040	892.5	18-Sep-90	28 F	883.7
01U040	892.5	02-Nov-90	29 F	882.8
01U040	892.5	18-Dec-90	29 F	865.2
01U040	892.5	19-Feb-91	30 F	881.2
01U040	892.5	19-Mar-91	30 F	881.5
01U040	892.5	16-Apr-91	31 F	882.7
01U040	892.5	18-Jun-91	31 F	885.7
01U040	892.5	18-Jun-91	31 F	885.7
01U040	892.5	30-Jul-91	32 F	884.9
01U040	892.5	19-Aug-91	32 F	886.5
01U040	892.5	22-Oct-91	33 F	885.5
01U040	892.5	21-Dec-91	33 F	885.6
01U040	892.5	18-Feb-92	34 F	884.9
01U040	892.5	13-Apr-92	35 F	885.5
01U040	892.5	16-Jun-92	35 F	885.3
01U040	892.5	21-Aug-92	36 F	884.4
01U040	892.5	20-Oct-92	37 F	884.9
01U040	892.5	01-Dec-92	37 F	885.0
01U040	892.5	01-Feb-93	38 F	883.7
01U040	892.5	01-Mar-93	38 F	883.5
01U040	892.5	20-Apr-93	39 F	884.4
01U040	892.5	15-Jun-93	39 F	885.8
01U040	892.5	16-Aug-93	40 F	888.5
01U040	892.5	29-Oct-93	41 F	885.8
01U040	892.5	16-Dec-93	41 F	885.8
01U040	892.5	17-Feb-94	42 F	884.8
01U040	892.5	07-Mar-94	42 F	884.4
01U040	892.5	27-Apr-94	43 F	885.6
01U040	892.5	07-Jun-94	43 F	886.2
01U040	892.5	26-Jul-94	44 F	885.6
01U040	892.5	06-Sep-94	44 F	883.9
01U041	898.3	14-Dec-87	16 F	891.0
01U041	898.3	27-Jan-88	17 F	890.5
01U041	898.3	13-Apr-88	18 F	891.8
01U041	898.3	30-Aug-88	19 F	888.8
01U041	898.3	22-Nov-88	20 F	888.7
01U041	898.3	24-Apr-89	22 F	889.5
01U041	898.3	05-Aug-89	23 F	889.7
01U041	898.3	02-Nov-89	24 F	889.0
01U041	898.3	23-Jan-90	25 F	Dry
01U041	898.3	20-Feb-90	25 F	Dry
01U041	898.3	20-Mar-90	25 F	891.9
01U041	898.3	16-Apr-90	26 F	890.6
01U041	898.3	22-May-90	26 F	892.2
01U041	898.3	19-Jun-90	26 F	892.4
01U041	898.3	17-Jul-90	27 F	891.6
01U041	898.3	21-Aug-90	27 F	891.6
01U041	898.3	18-Sep-90	28 F	892.1
01U041	898.3	02-Nov-90	29 F	891.1
01U041	898.3	18-Dec-90	29 F	888.1
01U041	898.3	19-Feb-91	30 F	890.4
01U041	898.3	19-Mar-91	30 F	895.0
01U041	898.3	16-Apr-91	31 F	893.2
01U041	898.3	18-Jun-91	31 F	893.4
01U041	898.3	18-Jun-91	31 F	893.4
01U041	898.3	30-Jul-91	32 F	894.5
01U041	898.3	19-Aug-91	32 F	890.8
01U041	898.3	22-Oct-91	33 F	893.2
01U041	898.3	21-Dec-91	33 F	893.7
01U041	898.3	18-Feb-92	34 F	893.4
01U041	898.3	04-Mar-92	34 F	893.6
01U041	898.3	13-Apr-92	35 F	893.5
01U041	898.3	16-Jun-92	35 F	892.1
01U041	898.3	21-Aug-92	36 F	891.6
01U041	898.3	20-Oct-92	37 F	893.2
01U041	898.3	01-Dec-92	37 F	893.6
01U041	898.3	01-Feb-93	38 F	892.4
01U041	898.3	01-Mar-93	38 F	892.1
01U041	898.3	20-Apr-93	39 F	893.5
01U041	898.3	15-Jun-93	39 F	893.4

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U041	898.3	16-Aug-93	40 F	893.5
01U041	898.3	29-Oct-93	41 F	892.8
01U041	898.3	16-Dec-93	41 F	892.8
01U041	898.3	17-Feb-94	42 F	892.9
01U041	898.3	08-Mar-94	42 F	893.4
01U041	898.3	27-Apr-94	43 F	893.7
01U041	898.3	07-Jun-94	43 F	893.6
01U041	898.3	26-Jul-94	44 F	893.8
01U041	898.3	06-Sep-94	44 F	891.3
01U043	891.0	14-Dec-87	16 F	883.0
01U043	891.0	27-Jan-88	17 F	882.4
01U043	891.0	14-Apr-88	18 F	884.3
01U043	891.0	30-Aug-88	19 F	881.2
01U043	891.0	22-Nov-88	20 F	881.8
01U043	891.0	05-Aug-89	23 F	882.5
01U043	891.0	02-Nov-89	24 F	881.5
01U043	891.0	27-Apr-90	26 F	883.2
01U043	891.0	01-Apr-91	30 F	886.3
01U043	891.0	16-Mar-92	34 F	886.6
01U043	891.0	02-Mar-93	38 F	886.5
01U043	891.0	16-Mar-94	42 F	886.3
01U044	892.3	14-Dec-87	16 F	878.3
01U044	892.3	27-Jan-88	17 F	877.9
01U044	892.3	13-Apr-88	18 F	878.1
01U044	892.3	30-Aug-88	19 F	880.6
01U044	892.3	22-Nov-88	20 F	877.2
01U044	892.3	05-Aug-89	23 F	877.4
01U044	892.3	02-Nov-89	24 F	877.5
01U044	892.3	27-Apr-90	26 F	877.0
01U044	892.3	01-Apr-91	30 F	878.3
01U044	892.3	16-Mar-92	34 F	881.1
01U044	892.3	02-Mar-93	38 F	879.0
01U044	892.3	16-Mar-94	42 F	879.7
01U045	886.4	14-Dec-87	16 F	880.2
01U045	886.4	26-Jan-88	17 F	880.2
01U045	886.4	13-Apr-88	18 F	881.2
01U045	886.4	30-Aug-88	19 F	879.3
01U045	886.4	22-Nov-88	20 F	879.9
01U045	886.4	05-Aug-89	23 F	879.4
01U045	886.4	02-Nov-89	24 F	879.3
01U045	886.4	27-Apr-90	26 F	881.7
01U045	886.4	13-Mar-91	30 F	881.8
01U045	886.4	16-Mar-92	34 F	882.2
01U045	886.4	08-Mar-93	38 F	883.8
01U045	886.4	16-Mar-94	42 F	881.5
01U046	881.8	14-Dec-87	16 F	879.5
01U046	881.8	26-Jan-88	17 F	879.5
01U046	881.8	13-Apr-88	18 F	879.6
01U046	881.8	30-Aug-88	19 F	878.8
01U046	881.8	22-Nov-88	20 F	879.4
01U046	881.8	05-Aug-89	23 F	878.8
01U046	881.8	02-Nov-89	24 F	879.1
01U046	881.8	27-Apr-90	26 F	879.7
01U046	881.8	01-Apr-91	30 F	880.1
01U046	881.8	16-Mar-92	34 F	880.0
01U046	881.8	02-Mar-93	38 F	881.3
01U046	881.8	22-Mar-94	42 F	880.4
01U047	887.9	14-Dec-87	16 F	883.2
01U047	887.9	27-Jan-88	17 F	882.9
01U047	887.9	13-Apr-88	18 F	883.8
01U047	887.9	30-Aug-88	19 F	882.2
01U047	887.9	22-Nov-88	20 F	882.7
01U047	887.9	27-Apr-89	22 F	877.9
01U047	887.9	05-Aug-89	23 F	882.6
01U047	887.9	02-Nov-89	24 F	882.3
01U047	887.9	06-Mar-91	30 A	883.2
01U047	887.9	04-Jun-91	31 A	885.6
01U047	887.9	03-Sep-91	32 A	884.1
01U047	887.9	02-Mar-92	34 A	884.3
01U047	887.9	01-Jun-92	35 A	883.9
01U047	887.9	09-Sep-92	36 A	883.1
01U047	887.9	01-Dec-92	37 A	873.7
01U047	887.9	02-Mar-93	38 A	873.5
01U047	887.9	01-Jun-93	39 A	874.6
01U047	887.9	08-Sep-93	40 A	874.9
01U047	877.9	01-Mar-94	42 A	874.1
01U047	877.9	06-Sep-94	44 A	873.4
01U048	883.2	14-Dec-87	16 F	873.4
01U048	883.2	27-Jan-88	17 F	873.1
01U048	883.2	13-Apr-88	18 F	875.7
01U048	883.2	30-Aug-88	19 F	872.9
01U048	883.2	22-Nov-88	20 F	873.1
01U048	883.2	27-Apr-89	22 F	871.5
01U048	883.2	05-Aug-89	23 F	873.5
01U048	883.2	02-Nov-89	24 F	873.0
01U048	883.2	06-Mar-91	30 A	873.2
01U048	883.2	04-Jun-91	31 A	876.0
01U048	883.2	03-Sep-91	32 A	874.5
01U048	883.2	02-Mar-92	34 A	874.6
01U048	883.2	01-Jun-92	35 A	874.4
01U048	883.2	09-Sep-92	36 A	873.6
01U048	883.2	01-Dec-92	37 A	874.1
01U048	883.2	02-Mar-93	38 A	873.5
01U048	883.2	01-Jun-93	39 A	875.0
01U048	883.2	08-Sep-93	40 A	875.3
01U048	883.2	01-Mar-94	42 A	874.0
01U048	883.2	06-Sep-94	44 A	873.6
01U050	892.9	14-Dec-87	16 F	885.5
01U050	892.9	27-Jan-88	17 F	885.2
01U050	892.9	13-Apr-88	18 F	887.0
01U050	892.9	30-Aug-88	19 F	885.7
01U050	892.9	22-Nov-88	20 F	886.9
01U050	892.9	05-Aug-89	23 F	888.8
01U050	892.9	02-Nov-89	24 F	886.4
01U050	892.9	27-Apr-90	26 F	886.1
01U050	892.9	01-Apr-91	30 F	888.9
01U050	892.9	16-Mar-92	34 F	890.0
01U050	892.9	02-Mar-93	38 F	886.6
01U050	892.9	17-Mar-94	42 F	887.2
01U051	901.2	14-Dec-87	16 F	889.0
01U051	901.2	27-Jan-88	17 F	888.6
01U051	901.2	13-Apr-88	18 F	888.8
01U051	901.2	30-Aug-88	19 F	888.7
01U051	901.2	22-Nov-88	20 F	889.0
01U051	901.2	05-Aug-89	23 F	889.4
01U051	901.2	02-Nov-89	24 F	888.5
01U051	901.2	27-Apr-90	26 F	887.8
01U051	901.2	01-Apr-91	30 F	889.2
01U051	901.2	16-Mar-92	34 F	891.7
01U051	901.2	02-Mar-93	38 F	889.6
01U051	901.2	17-Mar-94	42 F	889.9
01U052	884.3	14-Dec-87	16 F	873.5
01U052	884.3	27-Jan-88	17 F	873.3
01U052	884.3	13-Apr-88	18 F	874.4
01U052	884.3	30-Aug-88	19 F	873.0
01U052	884.3	22-Nov-88	20 F	873.3
01U052	884.3	27-Apr-89	22 F	871.9
01U052	884.3	03-Aug-89	23 F	874.1
01U052	884.3	02-Nov-89	24 F	873.1
01U052	884.3	06-Mar-91	30 A	873.3
01U052	884.3	04-Jun-91	31 A	876.2
01U052	884.3	03-Sep-91	32 A	875.1
01U052	884.3	02-Mar-92	34 A	875.1
01U052	884.3	01-Jun-92	35 A	874.8
01U052	884.3	09-Sep-92	36 A	873.8
01U052	884.3	01-Dec-92	37 A	874.5
01U052	884.3	02-Mar-93	38 A	873.6
01U052	884.3	01-Jun-93	39 A	875.5
01U052	884.3	08-Sep-93	40 A	875.5

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U052	884.3	01-Mar-94	42 A	874.3
01U052	884.3	06-Sep-94	44 A	873.8
01U053	913.2	14-Dec-87	16 F	905.1
01U053	913.2	27-Jan-88	17 F	904.0
01U053	913.2	13-Apr-88	18 F	905.2
01U053	913.2	30-Aug-88	19 F	904.8
01U053	913.2	22-Nov-88	20 F	905.1
01U053	913.2	04-Aug-89	23 F	905.1
01U053	913.2	02-Nov-89	24 F	904.6
01U053	913.2	27-Apr-90	26 F	905.7
01U053	913.2	01-Apr-91	30 F	908.0
01U053	913.2	17-Mar-92	34 F	907.3
01U053	913.2	03-Mar-93	38 F	906.4
01U053	913.2	17-Mar-94	42 F	889.9
01U053	913.2	09-Jun-94	43 F	907.2
01U054	940.9	14-Dec-87	16 F	932.1
01U054	940.9	27-Jan-88	17 F	930.0
01U054	940.9	13-Apr-88	18 F	933.1
01U054	940.9	30-Aug-88	19 F	930.5
01U054	940.9	22-Nov-88	20 F	932.5
01U054	940.9	27-Apr-89	22 F	930.0
01U054	940.9	06-Aug-89	23 F	932.3
01U054	940.9	02-Nov-89	24 F	929.2
01U054	940.9	27-Apr-90	26 F	933.5
01U054	940.9	01-Apr-91	30 F	934.5
01U054	940.9	17-Mar-92	34 F	933.4
01U054	940.9	03-Mar-93	38 F	930.1
01U054	940.9	17-Mar-94	42 F	931.5
01U060	949.1	14-Dec-87	16 F	935.4
01U060	949.1	27-Jan-88	17 F	935.3
01U060	949.1	13-Apr-88	18 F	935.7
01U060	949.1	30-Aug-88	19 F	934.6
01U060	949.1	22-Nov-88	20 F	934.6
01U060	949.1	06-Aug-89	23 F	935.5
01U060	949.1	02-Nov-89	24 F	934.7
01U060	949.1	26-Apr-90	26 F	935.5
01U060	949.1	25-Mar-91	30 F	935.3
01U060	949.1	11-Mar-92	34 F	937.7
01U060	949.1	02-Mar-93	38 F	935.7
01U060	949.1	14-Mar-94	42 F	936.9
01U062	909.8	14-Dec-87	16 F	904.1
01U062	909.8	27-Jan-88	17 F	903.1
01U062	909.8	13-Apr-88	18 F	904.3
01U062	909.8	30-Aug-88	19 F	902.7
01U062	909.8	22-Nov-88	20 F	903.8
01U062	909.8	09-May-89	22 F	902.5
01U062	909.8	06-Aug-89	23 F	904.6
01U062	909.8	02-Nov-89	24 F	902.9
01U062	909.8	27-Apr-90	26 F	904.3
01U062	909.8	01-Apr-91	30 F	904.7
01U062	909.8	16-Mar-92	34 F	905.1
01U062	909.8	03-Mar-93	38 F	904.3
01U062	909.8	17-Mar-94	42 F	904.5
01U063	892.6	14-Dec-87	16 F	881.7
01U063	892.6	27-Jan-88	17 F	880.5
01U063	892.6	13-Apr-88	18 F	882.3
01U063	892.6	30-Aug-88	19 F	879.7
01U063	892.6	22-Nov-88	20 F	879.1
01U063	892.6	06-Aug-89	23 F	880.5
01U063	892.6	02-Nov-89	24 F	879.4
01U063	892.6	27-Apr-90	26 F	879.8
01U063	892.6	01-Apr-91	30 F	882.4
01U063	892.6	04-Mar-92	34 F	885.0
01U063	892.6	09-Nov-92	37 F	884.3
01U063	892.6	01-Dec-92	37 F	884.4
01U063	892.6	01-Feb-93	38 F	882.5
01U063	892.6	01-Mar-93	38 F	882.1
01U063	892.6	20-Apr-93	39 F	884.0
01U063	892.6	15-Jun-93	39 F	885.2
01U063	892.6	16-Aug-93	40 F	886.7
01U063	892.6	29-Oct-93	41 F	885.2
01U063	892.6	16-Dec-93	41 F	885.0
01U063	892.6	17-Feb-94	42 F	883.3
01U063	892.6	10-Mar-94	42 F	883.4
01U063	892.6	27-Apr-94	43 F	885.4
01U063	892.6	08-Jun-94	43 F	885.4
01U063	892.6	26-Jul-94	44 F	885.4
01U063	892.6	08-Sep-94	44 F	882.8
01U064	958.3	14-Dec-87	16 F	944.1
01U064	958.3	27-Jan-88	17 F	943.9
01U064	958.3	14-Apr-88	18 F	943.9
01U064	958.3	30-Aug-88	19 F	943.7
01U064	958.3	22-Nov-88	20 F	943.4
01U064	958.3	12-May-89	22 F	941.2
01U064	958.3	06-Aug-89	23 F	943.2
01U064	958.3	02-Nov-89	24 F	942.5
01U064	958.3	22-Mar-90	30 A	940.5
01U064	958.3	11-Sep-90	32 A	941.4
01U064	958.3	16-Mar-92	34 A	941.8
01U064	958.3	08-Oct-92	36 A	939.1
01U064	958.3	02-Mar-93	38 A	943.8
01U064	958.3	10-Sep-93	40 A	944.7
01U064	958.3	11-Mar-94	42 A	943.6
01U064	958.3	02-Sep-94	44 A	943.6
01U065	882.1	14-Dec-87	16 F	873.0
01U065	882.1	27-Jan-88	17 F	872.7
01U065	882.1	14-Apr-88	18 F	873.3
01U065	882.1	30-Aug-88	19 F	872.5
01U065	882.1	22-Nov-88	20 F	872.5
01U065	882.1	28-Apr-89	22 F	871.5
01U065	882.1	06-Aug-89	23 F	873.3
01U065	882.1	02-Nov-89	24 F	872.5
01U065	882.1	06-Mar-91	30 A	873.0
01U065	882.1	04-Jun-91	31 A	874.8
01U065	882.1	03-Sep-91	32 A	874.0
01U065	882.1	02-Mar-92	34 A	873.8
01U065	882.1	01-Jun-92	35 A	873.7
01U065	882.1	09-Sep-92	36 A	873.2
01U065	882.1	01-Dec-92	37 A	873.8
01U065	882.1	02-Mar-93	38 A	873.2
01U065	882.1	01-Jun-93	39 A	874.3
01U065	882.1	08-Sep-93	40 A	874.4
01U065	882.1	01-Mar-94	42 A	873.3
01U065	882.1	06-Sep-94	44 A	873.5
01U067	897.4	14-Dec-87	16 F	892.9
01U067	897.4	28-Jan-88	17 F	892.0
01U067	897.4	13-Apr-88	18 F	893.7
01U067	897.4	30-Aug-88	19 F	890.3
01U067	897.4	22-Nov-88	20 F	889.6
01U067	897.4	24-Apr-89	22 F	889.5
01U067	897.4	05-Aug-89	23 F	890.6
01U067	897.4	02-Nov-89	24 F	889.6
01U067	897.4	23-Jan-90	25 F	889.0
01U067	897.4	20-Feb-90	25 F	888.8
01U067	897.4	20-Mar-90	25 F	891.2
01U067	897.4	16-Apr-90	26 F	890.9
01U067	897.4	22-May-90	26 F	891.9
01U067	897.4	19-Jun-90	26 F	892.5
01U067	897.4	17-Jul-90	27 F	891.7
01U067	897.4	21-Aug-90	27 F	891.8
01U067	897.4	18-Sep-90	28 F	892.2
01U067	897.4	02-Nov-90	29 F	891.6
01U067	897.4	18-Dec-90	29 F	891.5
01U067	897.4	19-Feb-91	30 F	890.9
01U067	897.4	19-Mar-91	30 F	892.2
01U067	897.4	16-Apr-91	31 F	895.9
01U067	897.4	18-Jun-91	31 F	893.8
01U067	897.4	18-Jun-91	31 F	893.8
01U067	897.4	30-Jul-91	32 F	896.2
01U067	897.4	19-Aug-91	32 F	893.1

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U067	897.4	22-Oct-91	33 F	893.7
01U067	897.4	21-Dec-91	33 F	895.3
01U067	897.4	18-Feb-92	34 F	894.7
01U067	897.4	04-Mar-92	34 F	896.6
01U067	897.4	13-Apr-92	35 F	895.6
01U067	897.4	16-Jun-92	35 F	893.0
01U067	897.4	21-Aug-92	36 F	892.1
01U067	897.4	20-Oct-92	37 F	894.1
01U067	897.4	01-Dec-92	37 F	894.7
01U067	897.4	01-Feb-93	38 F	893.4
01U067	897.4	01-Mar-93	38 F	893.3
01U067	897.4	20-Apr-93	39 F	896.4
01U067	897.4	15-Jun-93	39 F	894.8
01U067	897.4	16-Aug-93	40 F	895.8
01U067	897.4	29-Oct-93	41 F	895.2
01U067	897.4	16-Dec-93	41 F	895.6
01U067	897.4	17-Feb-94	42 F	893.7
01U067	897.4	08-Mar-94	42 F	894.9
01U067	897.4	27-Apr-94	43 F	896.8
01U067	897.4	07-Jun-94	43 F	894.4
01U067	897.4	26-Jul-94	44 F	896.8
01U067	897.4	06-Sep-94	44 F	891.5
01U072	908.6	14-Dec-87	16 F	902.2
01U072	908.6	27-Jan-88	17 F	900.6
01U072	908.6	13-Apr-88	18 F	904.1
01U072	908.6	30-Aug-88	19 F	897.4
01U072	908.6	22-Nov-88	20 F	897.7
01U072	908.6	05-Aug-89	23 F	899.0
01U072	908.6	02-Nov-89	24 F	895.9
01U072	908.6	03-May-90	26 F	896.4
01U072	908.6	01-Apr-91	30 F	901.4
01U072	908.6	13-Mar-92	34 F	903.3
01U072	908.6	02-Mar-93	38 F	901.8
01U072	908.6	11-Mar-94	42 F	900.8
01U085	889.6	14-Dec-87	16 F	883.3
01U085	889.6	26-Jan-88	17 F	883.8
01U085	889.6	13-Apr-88	18 F	884.3
01U085	889.6	30-Aug-88	19 F	881.1
01U085	889.6	22-Nov-88	20 F	881.5
01U085	889.6	05-Aug-89	23 F	881.6
01U085	889.6	02-Nov-89	24 F	880.6
01U085	889.6	18-Apr-90	26 F	882.5
01U085	889.6	13-Mar-91	30 F	883.7
01U085	889.6	16-Mar-92	34 F	886.0
01U085	889.6	05-Mar-93	38 F	884.2
01U085	889.6	16-Mar-94	42 F	884.3
01U098	954.7	14-Dec-87	16 F	936.8
01U098	954.7	26-Jan-88	17 F	935.9
01U098	954.7	13-Apr-88	18 F	941.4
01U098	954.7	30-Aug-88	19 F	935.2
01U098	954.7	22-Nov-88	20 F	933.2
01U098	954.7	05-Aug-89	23 F	938.6
01U098	954.7	02-Nov-89	24 F	934.2
01U098	954.7	26-Apr-90	26 F	941.4
01U098	954.7	25-Mar-91	30 F	941.7
01U098	954.7	11-Mar-92	34 F	943.0
01U098	954.7	03-Mar-93	38 F	938.0
01U098	954.7	14-Mar-94	42 F	942.2
01U100	905.3	14-Dec-87	16 F	898.7
01U100	905.3	27-Jan-88	17 F	897.7
01U100	905.3	13-Apr-88	18 F	900.7
01U100	905.3	27-Apr-90	26 F	899.0
01U100	905.3	01-Apr-91	30 F	902.7
01U100	905.3	09-Mar-92	34 F	903.6
01U100	905.3	01-Mar-93	38 F	901.0
01U100	905.3	11-Mar-94	42 F	901.7
01U101	906.8	14-Dec-87	16 F	897.6
01U101	906.8	27-Jan-88	17 F	897.0
01U101	906.8	13-Apr-88	18 F	898.7
01U101	906.8	30-Aug-88	19 F	893.3
01U101	906.8	22-Nov-88	20 F	893.1
01U101	906.8	24-Apr-89	22 F	894.6
01U101	906.8	05-Aug-89	23 F	893.8
01U101	906.8	02-Nov-89	24 F	892.1
01U101	906.8	23-Jan-90	25 F	891.4
01U101	906.8	20-Feb-90	25 F	891.0
01U101	906.8	20-Mar-90	25 F	891.2
01U101	906.8	16-Apr-90	26 F	892.1
01U101	906.8	26-Apr-90	26 F	893.3
01U101	906.8	22-May-90	26 F	896.1
01U101	906.8	19-Jun-90	26 F	900.0
01U101	906.8	17-Jul-90	27 F	897.7
01U101	906.8	21-Aug-90	26 F	897.8
01U101	906.8	18-Sep-90	28 F	899.6
01U101	906.8	02-Nov-90	29 F	897.1
01U101	906.8	18-Dec-90	29 F	896.9
01U101	906.8	19-Feb-91	30 F	896.5
01U101	906.8	19-Mar-91	30 F	897.8
01U101	906.8	16-Apr-91	31 F	901.1
01U101	906.8	18-Jun-91	31 F	899.4
01U101	906.8	18-Jun-91	31 F	899.4
01U101	906.8	19-Aug-91	32 F	895.6
01U101	906.8	22-Oct-91	33 F	898.4
01U101	906.8	21-Dec-91	33 F	899.5
01U101	906.8	18-Feb-92	34 F	899.1
01U101	906.8	09-Mar-92	34 F	900.9
01U101	906.8	13-Apr-92	35 F	899.7
01U101	906.8	16-Jun-92	35 F	898.7
01U101	906.8	21-Aug-92	36 F	897.1
01U101	906.8	20-Oct-92	37 F	898.1
01U101	906.8	01-Dec-92	37 F	898.9
01U101	906.8	01-Feb-93	38 F	898.4
01U101	906.8	01-Mar-93	38 F	898.2
01U101	906.8	11-Mar-94	42 F	899.5
01U102	905.2	14-Dec-87	16 F	890.0
01U102	905.2	26-Jan-88	17 F	889.5
01U102	905.2	13-Apr-88	18 F	888.6
01U102	905.2	30-Aug-88	19 F	888.2
01U102	905.2	22-Nov-88	20 F	887.4
01U102	905.2	24-Apr-89	22 F	884.9
01U102	905.2	05-Aug-89	23 F	887.9
01U102	905.2	02-Nov-89	24 F	887.1
01U102	905.2	23-Jan-90	25 F	886.4
01U102	905.2	20-Feb-90	25 F	886.2
01U102	905.2	20-Mar-90	25 F	886.3
01U102	905.2	16-Apr-90	26 F	886.2
01U102	905.2	22-May-90	26 F	886.3
01U102	905.2	19-Jun-90	26 F	887.4
01U102	905.2	17-Jul-90	27 F	888.6
01U102	905.2	21-Aug-90	27 F	888.7
01U102	905.2	18-Sep-90	28 F	890.3
01U102	905.2	02-Nov-90	29 F	889.5
01U102	905.2	18-Dec-90	29 F	889.1
01U102	905.2	19-Feb-91	30 F	888.3
01U102	905.2	19-Mar-91	30 F	888.3
01U102	905.2	16-Apr-91	31 F	888.8
01U102	905.2	05-Jun-91	31 F	892.6
01U102	905.2	18-Jun-91	31 F	893.0
01U102	905.2	18-Jun-91	31 F	892.9
01U102	905.2	30-Jul-91	32 F	892.2
01U102	905.2	19-Aug-91	32 F	892.1
01U102	905.2	03-Sep-91	32 F	891.8
01U102	905.2	22-Oct-91	33 F	893.3
01U102	905.2	21-Dec-91	33 F	893.4
01U102	905.2	18-Feb-92	34 F	892.4
01U102	905.2	09-Mar-92	34 F	892.9
01U102	905.2	13-Apr-92	35 F	893.4
01U102	905.2	01-Jun-92	35 F	893.6
01U102	905.2	16-Jun-92	35 F	893.2
01U102	905.2	21-Aug-92	36 F	892.0
01U102	905.2	01-Sep-92	36 F	891.8
01U102	905.2	20-Oct-92	37 F	892.1

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U102	905.2	01-Dec-92	37 F	892.3
01U102	905.2	01-Feb-93	38 F	891.3
01U102	905.2	02-Mar-93	38 F	890.7
01U102	905.2	20-Apr-93	39 F	891.0
01U102	905.2	02-Jun-93	39 F	892.8
01U102	905.2	16-Aug-93	40 F	897.3
01U102	905.2	16-Aug-93	40 F	897.3
01U102	905.2	08-Sep-93	40 F	895.8
01U102	905.2	29-Oct-93	41 F	893.6
01U102	905.2	16-Dec-93	41 F	893.0
01U102	905.2	17-Feb-94	42 F	891.9
01U102	905.2	11-Mar-94	42 F	891.9
01U102	905.2	27-Apr-94	43 F	892.1
01U102	905.2	10-Jun-94	43 F	893.2
01U102	905.2	26-Jul-94	44 F	892.1
01U102	905.2	12-Sep-94	44 F	890.0
01U103	904.1	14-Dec-87	16 F	890.4
01U103	904.1	26-Jan-88	17 F	889.8
01U103	904.1	13-Apr-88	18 F	889.7
01U103	904.1	30-Aug-88	19 F	888.7
01U103	904.1	22-Nov-88	20 F	887.2
01U103	904.1	24-Apr-89	22 F	885.2
01U103	904.1	05-Aug-89	23 F	887.8
01U103	904.1	02-Nov-89	24 F	887.0
01U103	904.1	23-Jan-90	25 F	886.5
01U103	904.1	20-Feb-90	25 F	886.3
01U103	904.1	20-Mar-90	25 F	886.7
01U103	904.1	16-Apr-90	26 F	886.5
01U103	904.1	22-May-90	26 F	886.8
01U103	904.1	19-Jun-90	26 F	888.1
01U103	904.1	17-Jul-90	27 F	889.3
01U103	904.1	21-Aug-90	27 F	889.3
01U103	904.1	18-Sep-90	28 F	890.4
01U103	904.1	02-Nov-90	29 F	889.7
01U103	904.1	18-Dec-90	29 F	889.2
01U103	904.1	19-Feb-91	30 F	888.5
01U103	904.1	19-Mar-91	30 F	888.6
01U103	904.1	16-Apr-91	31 F	889.7
01U103	904.1	18-Jun-91	31 F	893.1
01U103	904.1	18-Jun-91	31 F	893.2
01U103	904.1	30-Jul-91	32 F	892.2
01U103	904.1	19-Aug-91	32 F	892.1
01U103	904.1	22-Oct-91	33 F	893.2
01U103	904.1	21-Dec-91	33 F	893.4
01U103	904.1	18-Feb-92	34 F	892.5
01U103	904.1	05-Mar-92	34 F	893.0
01U103	904.1	13-Apr-92	35 F	893.5
01U103	904.1	16-Jun-92	35 F	892.7
01U103	904.1	21-Aug-92	36 F	891.8
01U103	904.1	20-Oct-92	37 F	892.1
01U103	904.1	01-Dec-92	37 F	892.5
01U103	904.1	01-Feb-93	38 F	891.2
01U103	904.1	01-Mar-93	38 F	890.8
01U103	904.1	20-Apr-93	39 F	891.7
01U103	904.1	15-Jun-93	39 F	893.0
01U103	904.1	16-Aug-93	40 F	895.6
01U103	904.1	08-Sep-93	40 F	895.8
01U103	904.1	29-Oct-93	41 F	893.6
01U103	904.1	16-Dec-93	41 F	893.1
01U103	904.1	17-Feb-94	42 F	892.0
01U103	904.1	07-Mar-94	42 F	892.1
01U103	904.1	27-Apr-94	43 F	893.4
01U103	904.1	07-Jun-94	43 F	893.3
01U103	904.1	26-Jul-94	44 F	893.4
01U103	904.1	07-Sep-94	44 F	890.6
01U104	899.1	14-Dec-87	16 F	892.3
01U104	899.1	26-Jan-88	17 F	891.7
01U104	899.1	13-Apr-88	18 F	892.4
01U104	899.1	30-Aug-88	19 F	890.0
01U104	899.1	22-Nov-88	20 F	889.5
01U104	899.1	24-Apr-89	22 F	888.0
01U104	899.1	05-Aug-89	23 F	889.7
01U104	899.1	02-Nov-89	24 F	889.0
01U104	899.1	23-Jan-90	25 F	888.5
01U104	899.1	20-Feb-90	25 F	886.9
01U104	899.1	20-Mar-90	25 F	888.9
01U104	899.1	16-Apr-90	26 F	890.9
01U104	899.1	22-May-90	26 F	889.5
01U104	899.1	19-Jun-90	26 F	890.8
01U104	899.1	17-Jul-90	27 F	891.2
01U104	899.1	21-Aug-90	27 F	891.3
01U104	899.1	18-Sep-90	28 F	892.1
01U104	899.1	02-Nov-90	29 F	891.5
01U104	899.1	18-Dec-90	29 F	891.1
01U104	899.1	19-Feb-91	30 F	890.4
01U104	899.1	19-Mar-91	30 F	891.0
01U104	899.1	16-Apr-91	31 F	893.2
01U104	899.1	18-Jun-91	31 F	894.5
01U104	899.1	18-Jun-91	31 F	894.6
01U104	899.1	30-Jul-91	32 F	895.3
01U104	899.1	19-Aug-91	32 F	893.1
01U104	899.1	22-Oct-91	33 F	894.7
01U104	899.1	21-Dec-91	33 F	895.6
01U104	899.1	18-Feb-92	34 F	894.6
01U104	899.1	06-Mar-92	34 F	896.6
01U104	899.1	13-Apr-92	35 F	895.8
01U104	899.1	16-Jun-92	35 F	893.8
01U104	899.1	21-Aug-92	36 F	892.6
01U104	899.1	20-Oct-92	37 F	894.1
01U104	899.1	01-Dec-92	37 F	894.6
01U104	899.1	01-Feb-93	38 F	891.9
01U104	899.1	01-Mar-93	38 F	892.8
01U104	899.1	20-Apr-93	39 F	894.9
01U104	899.1	15-Jun-93	39 F	895.4
01U104	899.1	16-Aug-93	40 F	896.8
01U104	899.1	29-Oct-93	41 F	895.2
01U104	899.1	16-Dec-93	41 F	895.1
01U104	899.1	17-Feb-94	42 F	893.7
01U104	899.1	08-Mar-94	42 F	894.5
01U104	899.1	27-Apr-94	43 F	897.7
01U104	899.1	07-Jun-94	43 F	895.1
01U104	899.1	26-Jul-94	44 F	897.7
01U104	899.1	07-Sep-94	44 F	891.8
01U105	901.4	14-Dec-87	16 F	893.8
01U105	901.4	26-Jan-88	17 F	893.2
01U105	901.4	13-Apr-88	18 F	893.2
01U105	901.4	30-Aug-88	19 F	891.6
01U105	901.4	22-Nov-88	20 F	891.1
01U105	901.4	24-Apr-89	22 F	889.2
01U105	901.4	05-Aug-89	23 F	891.5
01U105	901.4	02-Nov-89	24 F	890.6
01U105	901.4	23-Jan-90	25 F	890.0
01U105	901.4	20-Feb-90	25 F	891.1
01U105	901.4	20-Mar-90	25 F	890.3
01U105	901.4	16-Apr-90	26 F	890.4
01U105	901.4	22-May-90	26 F	891.2
01U105	901.4	19-Jun-90	26 F	893.2
01U105	901.4	17-Jul-90	27 F	893.3
01U105	901.4	21-Aug-90	27 F	893.3
01U105	901.4	18-Sep-90	28 F	894.1
01U105	901.4	02-Nov-90	29 F	892.6
01U105	901.4	18-Dec-90	29 F	891.2
01U105	901.4	19-Feb-91	30 F	890.5
01U105	901.4	19-Mar-91	30 F	892.4
01U105	901.4	16-Apr-91	31 F	894.5
01U105	901.4	18-Jun-91	31 F	896.4
01U105	901.4	18-Jun-91	31 F	895.7
01U105	901.4	30-Jul-91	32 F	896.4
01U105	901.4	19-Aug-91	32 F	894.4
01U105	901.4	22-Oct-91	33 F	896.3
01U105	901.4	21-Dec-91	33 F	897.2
01U105	901.4	18-Feb-92	34 F	896.1
01U105	901.4	06-Mar-92	34 F	898.0
01U105	901.4	13-Apr-92	35 F	897.3
01U105	901.4	16-Jun-92	35 F	895.5

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U105	901.4	21-Aug-92	36 F	894.3
01U105	901.4	20-Oct-92	37 F	895.6
01U105	901.4	01-Dec-92	37 F	896.2
01U105	901.4	01-Feb-93	38 F	896.0
01U105	901.4	01-Mar-93	38 F	893.7
01U105	901.4	20-Apr-93	39 F	896.0
01U105	901.4	15-Jun-93	39 F	896.0
01U105	901.4	16-Aug-93	40 F	894.0
01U105	901.4	29-Oct-93	41 F	896.2
01U105	901.4	16-Dec-93	41 F	896.0
01U105	901.4	17-Feb-94	42 F	894.7
01U105	901.4	09-Mar-94	42 F	895.8
01U105	901.4	27-Apr-94	43 F	898.4
01U105	901.4	07-Jun-94	43 F	896.7
01U105	901.4	26-Jul-94	44 F	898.3
01U105	901.4	08-Sep-94	44 F	893.5
01U106	896.8	14-Dec-87	16 F	890.4
01U106	896.8	26-Jan-88	17 F	889.6
01U106	896.8	13-Apr-88	18 F	889.1
01U106	896.8	30-Aug-88	19 F	888.6
01U106	896.8	22-Nov-88	20 F	887.6
01U106	896.8	24-Apr-89	22 F	885.6
01U106	896.8	05-Aug-89	23 F	888.1
01U106	896.8	02-Nov-89	24 F	887.3
01U106	896.8	23-Jan-90	25 F	886.6
01U106	896.8	20-Feb-90	25 F	886.3
01U106	896.8	20-Mar-90	25 F	887.9
01U106	896.8	16-Apr-90	26 F	886.8
01U106	896.8	22-May-90	26 F	886.9
01U106	896.8	19-Jun-90	26 F	888.1
01U106	896.8	17-Jul-90	27 F	889.2
01U106	896.8	21-Aug-90	27 F	889.2
01U106	896.8	18-Sep-90	28 F	890.2
01U106	896.8	02-Nov-90	29 F	889.9
01U106	896.8	18-Dec-90	29 F	889.5
01U106	896.8	19-Feb-91	30 F	889.0
01U106	896.8	19-Mar-91	30 F	889.2
01U106	896.8	16-Apr-91	31 F	890.4
01U106	896.8	18-Jun-91	31 F	893.3
01U106	896.8	18-Jun-91	31 F	893.5
01U106	896.8	30-Jul-91	32 F	892.5
01U106	896.8	19-Aug-91	32 F	892.3
01U106	896.8	22-Oct-91	33 F	893.3
01U106	896.8	21-Dec-91	33 F	893.8
01U106	896.8	18-Feb-92	34 F	892.7
01U106	896.8	05-Mar-92	34 F	893.9
01U106	896.8	13-Apr-92	35 F	893.8
01U106	896.8	16-Jun-92	35 F	892.9
01U106	896.8	21-Aug-92	36 F	891.9
01U106	896.8	20-Oct-92	37 F	892.4
01U106	896.8	01-Dec-92	37 F	892.7
01U106	896.8	01-Feb-93	38 F	891.3
01U106	896.8	01-Mar-93	38 F	891.2
01U106	896.8	20-Apr-93	39 F	894.2
01U106	896.8	15-Jun-93	39 F	893.6
01U106	896.8	16-Aug-93	40 F	899.7
01U106	896.8	29-Oct-93	41 F	894.2
01U106	896.8	16-Dec-93	41 F	893.8
01U106	896.8	17-Feb-94	42 F	892.3
01U106	896.8	08-Mar-94	42 F	892.4
01U106	896.8	27-Apr-94	43 F	895.1
01U106	896.8	07-Jun-94	43 F	893.5
01U106	896.8	26-Jul-94	44 F	895.1
01U106	896.8	07-Sep-94	44 F	890.3
01U107	899.2	14-Dec-87	16 F	890.7
01U107	899.2	26-Jan-88	17 F	890.1
01U107	899.2	13-Apr-88	18 F	890.3
01U107	899.2	30-Aug-88	19 F	889.0
01U107	899.2	22-Nov-88	20 F	888.1
01U107	899.2	24-Apr-89	22 F	886.9
01U107	899.2	05-Aug-89	23 F	888.9
01U107	899.2	02-Nov-89	24 F	887.7

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U107	899.2	23-Jan-90	25 F	887.0
01U107	899.2	20-Feb-90	25 F	887.1
01U107	899.2	20-Mar-90	25 F	887.3
01U107	899.2	16-Apr-90	26 F	887.1
01U107	899.2	26-Apr-90	26 F	887.0
01U107	899.2	22-May-90	26 F	887.3
01U107	899.2	19-Jun-90	26 F	888.5
01U107	899.2	17-Jul-90	27 F	889.7
01U107	899.2	21-Aug-90	27 F	889.8
01U107	899.2	18-Sep-90	28 F	891.5
01U107	899.2	02-Nov-90	29 F	890.3
01U107	899.2	18-Dec-90	29 F	889.8
01U107	899.2	19-Feb-91	30 F	889.3
01U107	899.2	19-Mar-91	30 F	889.3
01U107	899.2	16-Apr-91	31 F	891.1
01U107	899.2	18-Jun-91	31 F	894.0
01U107	899.2	18-Jun-91	31 F	894.1
01U107	899.2	30-Jul-91	32 F	893.2
01U107	899.2	19-Aug-91	32 F	892.7
01U107	899.2	22-Oct-91	33 F	893.8
01U107	899.2	21-Dec-91	33 F	894.5
01U107	899.2	18-Feb-92	34 F	893.3
01U107	899.2	04-Mar-92	34 F	894.5
01U107	899.2	13-Apr-92	35 F	894.5
01U107	899.2	16-Jun-92	35 F	893.4
01U107	899.2	21-Aug-92	36 F	892.3
01U107	899.2	20-Oct-92	37 F	893.0
01U107	899.2	01-Dec-92	37 F	893.5
01U107	899.2	01-Feb-93	38 F	892.1
01U107	899.2	01-Mar-93	38 F	891.9
01U107	899.2	20-Apr-93	39 F	894.7
01U107	899.2	15-Jun-93	39 F	894.2
01U107	899.2	16-Aug-93	40 F	897.0
01U107	899.2	29-Oct-93	41 F	894.7
01U107	899.2	16-Dec-93	41 F	894.3
01U107	899.2	17-Feb-94	42 F	893.5
01U107	899.2	08-Mar-94	42 F	893.1
01U107	899.2	27-Apr-94	43 F	895.9
01U107	899.2	07-Jun-94	43 F	894.4
01U107	899.2	26-Jul-94	44 F	895.9
01U107	899.2	07-Sep-94	44 F	891.2
01U108	904.3	14-Dec-87	16 F	890.4
01U108	904.3	26-Jan-88	17 F	890.0
01U108	904.3	13-Apr-88	18 F	889.7
01U108	904.3	30-Aug-88	19 F	888.8
01U108	904.3	22-Nov-88	20 F	885.9
01U108	904.3	24-Apr-89	22 F	885.4
01U108	904.3	05-Aug-89	23 F	886.7
01U108	904.3	02-Nov-89	24 F	886.0
01U108	904.3	23-Jan-90	25 F	885.9
01U108	904.3	20-Feb-90	25 F	885.7
01U108	904.3	20-Mar-90	25 F	885.8
01U108	904.3	16-Apr-90	26 F	885.8
01U108	904.3	22-May-90	26 F	886.3
01U108	904.3	19-Jun-90	26 F	887.5
01U108	904.3	17-Jul-90	27 F	888.9
01U108	904.3	21-Aug-90	27 F	889.0
01U108	904.3	18-Sep-90	28 F	889.8
01U108	904.3	02-Nov-90	29 F	890.7
01U108	904.3	18-Dec-90	29 F	896.4
01U108	904.3	19-Feb-91	30 F	887.8
01U108	904.3	19-Mar-91	30 F	888.3
01U108	904.3	16-Apr-91	31 F	888.8
01U108	904.3	04-Jun-91	31 F	889.9
01U108	904.3	18-Jun-91	31 F	892.2
01U108	904.3	18-Jun-91	31 F	892.3
01U108	904.3	30-Jul-91	32 F	891.0
01U108	904.3	19-Aug-91	32 F	891.2
01U108	904.3	03-Sep-91	32 F	890.8
01U108	904.3	22-Oct-91	33 F	892.5
01U108	904.3	21-Dec-91	33 F	892.2
01U108	904.3	18-Feb-92	34 F	891.8
01U108	904.3	05-Mar-92	34 F	891.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U108	904.3	13-Apr-92	35 F	892.7
01U108	904.3	01-Jun-92	35 F	892.6
01U108	904.3	16-Jun-92	35 F	891.6
01U108	904.3	21-Aug-92	36 F	890.9
01U108	904.3	01-Sep-92	36 F	890.7
01U108	904.3	20-Oct-92	37 F	891.9
01U108	904.3	01-Dec-92	37 F	891.7
01U108	904.3	01-Feb-93	38 F	890.4
01U108	904.3	01-Mar-93	38 F	890.1
01U108	904.3	20-Apr-93	39 F	890.6
01U108	904.3	01-Jun-93	39 F	892.2
01U108	904.3	16-Aug-93	40 F	895.8
01U108	904.3	29-Oct-93	40 F	892.7
01U108	904.3	29-Oct-93	41 F	893.1
01U108	904.3	16-Dec-93	41 F	892.7
01U108	904.3	17-Feb-94	42 F	891.6
01U108	904.3	15-Mar-94	42 F	891.4
01U108	904.3	27-Apr-94	43 F	891.4
01U108	904.3	08-Jun-94	43 F	892.4
01U108	904.3	26-Jul-94	44 F	890.9
01U108	904.3	07-Sep-94	44 F	890.5
01U109	903.0	14-Dec-87	16 F	893.8
01U109	903.0	26-Jan-88	17 F	892.8
01U109	903.0	13-Apr-88	18 F	895.0
01U109	903.0	30-Aug-88	19 F	890.7
01U109	903.0	22-Nov-88	20 F	890.8
01U109	903.0	05-Aug-89	23 F	891.0
01U109	903.0	23-Jan-90	25 F	Dry
01U109	903.0	20-Feb-90	25 F	Dry
01U109	903.0	20-Mar-90	25 F	890.9
01U109	903.0	16-Apr-90	26 F	890.7
01U109	903.0	22-May-90	26 F	891.9
01U109	903.0	19-Jun-90	26 F	900.1
01U109	903.0	17-Jul-90	27 F	892.6
01U109	903.0	21-Aug-90	27 F	892.6
01U109	903.0	18-Sep-90	28 F	895.1
01U109	903.0	02-Nov-90	29 F	898.9
01U109	903.0	18-Dec-90	29 F	892.3
01U109	903.0	19-Feb-91	30 F	891.5
01U109	903.0	19-Mar-91	30 F	892.9
01U109	903.0	16-Apr-91	31 F	895.5
01U109	903.0	18-Jun-91	31 F	895.0
01U109	903.0	18-Jun-91	31 F	895.2
01U109	903.0	30-Jul-91	32 F	896.7
01U109	903.0	19-Aug-91	32 F	893.9
01U109	903.0	22-Oct-91	33 F	895.1
01U109	903.0	21-Dec-91	33 F	896.0
01U109	903.0	18-Feb-92	34 F	895.7
01U109	903.0	04-Mar-92	34 F	896.4
01U109	903.0	13-Apr-92	35 F	895.8
01U109	903.0	16-Jun-92	35 F	894.6
01U109	903.0	21-Aug-92	36 F	892.8
01U109	903.0	20-Oct-92	37 F	895.2
01U109	903.0	01-Dec-92	37 F	901.9
01U109	903.0	01-Feb-93	38 F	894.5
01U109	903.0	01-Mar-93	38 F	893.8
01U109	903.0	20-Apr-93	39 F	895.9
01U109	903.0	15-Jun-93	39 F	895.4
01U109	903.0	16-Aug-93	40 F	896.0
01U109	903.0	29-Oct-93	41 F	895.7
01U109	903.0	16-Dec-93	41 F	895.7
01U109	903.0	17-Feb-94	42 F	894.6
01U109	903.0	08-Mar-94	42 F	895.9
01U109	903.0	27-Apr-94	43 F	897.1
01U109	903.0	07-Jun-94	43 F	895.7
01U109	903.0	26-Jul-94	44 F	897.0
01U109	903.0	07-Sep-94	44 F	892.7
01U110	897.2	14-Dec-87	16 F	893.8
01U110	897.2	26-Jan-88	17 F	892.8
01U110	897.2	13-Apr-88	18 F	892.0
01U110	897.2	30-Aug-88	19 F	890.8
01U110	897.2	22-Nov-88	20 F	891.0
01U110	897.2	24-Apr-89	22 F	889.8
01U110	897.2	06-Aug-89	23 F	891.1
01U110	897.2	02-Nov-89	24 F	890.0
01U110	897.2	23-Jan-90	25 F	889.6
01U110	897.2	20-Feb-90	25 F	889.4
01U110	897.2	20-Mar-90	25 F	890.6
01U110	897.2	16-Apr-90	26 F	890.4
01U110	897.2	22-May-90	26 F	891.9
01U110	897.2	19-Jun-90	26 F	887.4
01U110	897.2	17-Jul-90	27 F	893.0
01U110	897.2	21-Aug-90	27 F	893.0
01U110	897.2	18-Sep-90	28 F	893.4
01U110	897.2	02-Nov-90	29 F	886.6
01U110	897.2	18-Dec-90	29 F	892.7
01U110	897.2	19-Feb-91	30 F	891.8
01U110	897.2	19-Mar-91	30 F	892.8
01U110	897.2	16-Apr-91	31 F	895.8
01U110	897.2	18-Jun-91	31 F	895.6
01U110	897.2	18-Jun-91	31 F	895.7
01U110	897.2	30-Jul-91	32 F	896.8
01U110	897.2	19-Aug-91	32 F	894.5
01U110	897.2	22-Oct-91	33 F	895.4
01U110	897.2	21-Dec-91	33 F	896.2
01U110	897.2	18-Feb-92	34 F	895.9
01U110	897.2	04-Mar-92	34 F	896.4
01U110	897.2	13-Apr-92	35 F	896.0
01U110	897.2	16-Jun-92	35 F	895.1
01U110	897.2	21-Aug-92	36 F	893.2
01U110	897.2	20-Oct-92	37 F	895.3
01U110	897.2	01-Dec-92	37 F	889.3
01U110	897.2	01-Feb-93	38 F	894.4
01U110	897.2	01-Mar-93	38 F	894.1
01U110	897.2	20-Apr-93	39 F	896.2
01U110	897.2	15-Jun-93	39 F	895.9
01U110	897.2	16-Aug-93	40 F	899.8
01U110	897.2	29-Oct-93	41 F	896.1
01U110	897.2	16-Dec-93	41 F	896.1
01U110	897.2	17-Feb-94	42 F	894.9
01U110	897.2	08-Mar-94	42 F	895.8
01U110	897.2	27-Apr-94	43 F	896.9
01U110	897.2	07-Jun-94	43 F	896.0
01U110	897.2	07-Sep-94	44 F	892.8
01U115	900.3	14-Dec-87	16 F	887.8
01U115	900.3	26-Jan-88	17 F	887.3
01U115	900.3	13-Apr-88	18 F	886.6
01U115	900.3	30-Aug-88	19 F	886.1
01U115	900.3	22-Nov-88	20 F	885.4
01U115	900.3	24-Apr-89	22 F	883.3
01U115	900.3	05-Aug-89	23 F	886.3
01U115	900.3	02-Nov-89	24 F	885.4
01U115	900.3	23-Jan-90	25 F	884.6
01U115	900.3	20-Feb-90	25 F	884.3
01U115	900.3	20-Mar-90	25 F	884.2
01U115	900.3	16-Apr-90	26 F	884.2
01U115	900.3	22-May-90	26 F	884.4
01U115	900.3	19-Jun-90	26 F	885.4
01U115	900.3	17-Jul-90	27 F	886.4
01U115	900.3	21-Aug-90	27 F	886.5
01U115	900.3	18-Sep-90	28 F	887.9
01U115	900.3	02-Nov-90	29 F	887.6
01U115	900.3	18-Dec-90	29 F	887.2
01U115	900.3	19-Feb-91	30 F	886.6
01U115	900.3	19-Mar-91	30 F	886.2
01U115	900.3	16-Apr-91	31 F	886.4
01U115	900.3	05-Jun-91	31 F	889.2
01U115	900.3	18-Jun-91	31 F	889.8
01U115	900.3	18-Jun-91	31 F	889.8
01U115	900.3	30-Jul-91	32 F	890.0
01U115	900.3	19-Aug-91	32 F	889.9
01U115	900.3	03-Sep-91	32 F	889.5
01U115	900.3	22-Oct-91	33 F	890.9
01U115	900.3	21-Dec-91	33 F	890.8
01U115	900.3	18-Feb-92	34 F	890.1

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U115	900.3	09-Mar-92	34 F	890.2
01U115	900.3	13-Apr-92	35 F	890.7
01U115	900.3	01-Jun-92	35 F	891.2
01U115	900.3	16-Jun-92	35 F	890.9
01U115	900.3	21-Aug-92	36 F	890.0
01U115	900.3	01-Sep-92	36 F	889.8
01U115	900.3	20-Oct-92	37 F	889.7
01U115	900.3	01-Dec-92	37 F	889.7
01U115	900.3	01-Feb-93	38 F	889.0
01U115	900.3	01-Mar-93	38 F	888.4
01U115	900.3	20-Apr-93	39 F	888.3
01U115	900.3	01-Jun-93	39 F	889.7
01U115	900.3	16-Aug-93	40 F	893.8
01U115	900.3	07-Sep-93	40 F	893.2
01U115	900.3	29-Oct-93	41 F	891.8
01U115	900.3	16-Dec-93	41 F	890.8
01U115	900.3	17-Feb-94	42 F	889.7
01U115	900.3	10-Mar-94	42 F	889.7
01U115	900.3	27-Apr-94	43 F	888.8
01U115	900.3	09-Jun-94	43 F	888.9
01U115	900.3	16-Jun-94	43 F	888.4
01U115	900.3	21-Jun-94	43 F	888.1
01U115	900.3	28-Jun-94	43 F	887.8
01U115	900.3	05-Jul-94	44 F	887.5
01U115	900.3	12-Jul-94	44 F	887.5
01U115	900.3	20-Jul-94	44 F	887.4
01U115	900.3	26-Jul-94	44 F	887.3
01U115	900.3	03-Aug-94	44 F	886.8
01U115	900.3	10-Aug-94	44 F	886.7
01U115	900.3	17-Aug-94	44 F	886.6
01U115	900.3	26-Aug-94	44 F	886.7
01U115	900.3	01-Sep-94	44 F	886.6
01U115	900.3	06-Sep-94	44 F	886.5
01U115	900.3	09-Sep-94	44 F	886.6
01U115	900.3	22-Sep-94	44 F	886.3
01U115	900.3	27-Sep-94	44 F	886.4
01U116	902.7	14-Dec-87	16 F	888.1
01U116	902.7	26-Jan-88	17 F	887.5
01U116	902.7	14-Apr-88	18 F	886.9
01U116	902.7	30-Aug-88	19 F	886.4
01U116	902.7	22-Nov-88	20 F	885.8
01U116	902.7	24-Apr-89	22 F	885.7
01U116	902.7	05-Aug-89	23 F	886.5
01U116	902.7	02-Nov-89	24 F	885.5
01U116	902.7	23-Jan-90	25 F	884.9
01U116	902.7	20-Feb-90	25 F	884.6
01U116	902.7	20-Mar-90	25 F	884.5
01U116	902.7	16-Apr-90	26 F	884.5
01U116	902.7	22-May-90	26 F	884.7
01U116	902.7	19-Jun-90	26 F	885.7
01U116	902.7	17-Jul-90	27 F	886.7
01U116	902.7	21-Aug-90	27 F	886.8
01U116	902.7	18-Sep-90	28 F	888.2
01U116	902.7	02-Nov-90	29 F	887.8
01U116	902.7	18-Dec-90	29 F	887.4
01U116	902.7	19-Feb-91	30 F	886.8
01U116	902.7	19-Mar-91	30 F	886.4
01U116	902.7	16-Apr-91	31 F	886.8
01U116	902.7	18-Jun-91	31 F	890.1
01U116	902.7	18-Jun-91	31 F	890.1
01U116	902.7	30-Jul-91	32 F	890.2
01U116	902.7	19-Aug-91	32 F	890.1
01U116	902.7	22-Oct-91	33 F	891.1
01U116	902.7	21-Dec-91	33 F	891.1
01U116	902.7	18-Feb-92	34 F	890.3
01U116	902.7	06-Mar-92	34 F	890.3
01U116	902.7	13-Apr-92	35 F	890.9
01U116	902.7	16-Jun-92	35 F	891.1
01U116	902.7	21-Aug-92	36 F	890.1
01U116	902.7	20-Oct-92	37 F	890.0
01U116	902.7	01-Dec-92	37 F	890.0
01U116	902.7	01-Feb-93	38 F	889.2
01U116	902.7	01-Mar-93	38 F	888.8
01U116	902.7	20-Apr-93	39 F	888.7
01U116	902.7	15-Jun-93	39 F	890.4
01U116	902.7	16-Aug-93	40 F	894.0
01U116	902.7	29-Oct-93	41 F	892.0
01U116	902.7	16-Dec-93	41 F	891.0
01U116	902.7	17-Feb-94	42 F	890.0
01U116	902.7	09-Mar-94	42 F	889.9
01U116	902.7	27-Apr-94	43 F	888.5
01U116	902.7	08-Jun-94	43 F	889.0
01U116	902.7	16-Jun-94	43 F	888.7
01U116	902.7	21-Jun-94	43 F	888.3
01U116	902.7	28-Jun-94	43 F	888.0
01U116	902.7	05-Jul-94	44 F	887.6
01U116	902.7	12-Jul-94	44 F	887.7
01U116	902.7	20-Jul-94	44 F	887.7
01U116	902.7	26-Jul-94	44 F	887.5
01U116	902.7	03-Aug-94	44 F	886.9
01U116	902.7	10-Aug-94	44 F	886.9
01U116	902.7	17-Aug-94	44 F	886.8
01U116	902.7	26-Aug-94	44 F	886.9
01U116	902.7	01-Sep-94	44 F	886.7
01U116	902.7	06-Sep-94	44 F	886.6
01U116	902.7	08-Sep-94	44 F	886.7
01U116	902.7	22-Sep-94	44 F	886.5
01U116	902.7	27-Sep-94	44 F	886.5
01U117	902.7	14-Dec-87	16 F	888.4
01U117	902.7	26-Jan-88	17 F	888.3
01U117	902.7	13-Apr-88	18 F	887.2
01U117	902.7	30-Aug-88	19 F	886.8
01U117	902.7	22-Nov-88	20 F	886.2
01U117	902.7	24-Apr-89	22 F	884.2
01U117	902.7	05-Aug-89	23 F	886.8
01U117	902.7	02-Nov-89	24 F	886.0
01U117	902.7	23-Jan-90	25 F	885.1
01U117	902.7	20-Feb-90	25 F	884.9
01U117	902.7	20-Mar-90	25 F	884.8
01U117	902.7	16-Apr-90	26 F	884.8
01U117	902.7	27-Apr-90	26 F	884.8
01U117	902.7	22-May-90	26 F	885.1
01U117	902.7	19-Jun-90	26 F	886.1
01U117	902.7	17-Jul-90	27 F	887.1
01U117	902.7	21-Aug-90	27 F	887.2
01U117	902.7	18-Sep-90	28 F	888.6
01U117	902.7	02-Nov-90	29 F	888.1
01U117	902.7	18-Dec-90	29 F	887.7
01U117	902.7	19-Feb-91	30 F	886.9
01U117	902.7	19-Mar-91	30 F	886.7
01U117	902.7	16-Apr-91	31 F	887.2
01U117	902.7	18-Jun-91	31 F	890.6
01U117	902.7	18-Jun-91	31 F	890.6
01U117	902.7	30-Jul-91	32 F	890.5
01U117	902.7	19-Aug-91	32 F	890.4
01U117	902.7	22-Oct-91	33 F	891.4
01U117	902.7	21-Dec-91	33 F	891.5
01U117	902.7	18-Feb-92	34 F	890.7
01U117	902.7	09-Mar-92	34 F	890.9
01U117	902.7	13-Apr-92	35 F	891.4
01U117	902.7	16-Jun-92	35 F	891.4
01U117	902.7	21-Aug-92	36 F	890.4
01U117	902.7	20-Oct-92	37 F	890.3
01U117	902.7	01-Dec-92	37 F	890.4
01U117	902.7	01-Feb-93	38 F	889.6
01U117	902.7	02-Mar-93	38 F	889.3
01U117	902.7	20-Apr-93	39 F	889.4
01U117	902.7	01-Jun-93	39 F	890.9
01U117	902.7	16-Aug-93	40 F	894.7
01U117	902.7	07-Sep-93	40 F	894.0
01U117	902.7	29-Oct-93	41 F	892.6
01U117	902.7	16-Dec-93	41 F	891.5
01U117	902.7	17-Feb-94	42 F	890.5
01U117	902.7	10-Mar-94	42 F	890.2
01U117	902.7	27-Apr-94	43 F	889.0
01U117	902.7	08-Jun-94	43 F	890.0

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U117	902.7	16-Jun-94	43 F	889.8
01U117	902.7	21-Jun-94	43 F	889.4
01U117	902.7	28-Jun-94	43 F	889.1
01U117	902.7	05-Jul-94	44 F	888.8
01U117	902.7	12-Jul-94	44 F	888.7
01U117	902.7	20-Jul-94	44 F	888.6
01U117	902.7	26-Jul-94	44 F	888.5
01U117	902.7	03-Aug-94	44 F	888.0
01U117	902.7	10-Aug-94	44 F	887.9
01U117	902.7	17-Aug-94	44 F	887.9
01U117	902.7	26-Aug-94	44 F	887.8
01U117	902.7	01-Sep-94	44 F	887.7
01U117	902.7	06-Sep-94	44 F	887.6
01U117	902.7	09-Sep-94	44 F	887.5
01U117	902.7	22-Sep-94	44 F	888.9
01U117	902.7	27-Sep-94	44 F	887.4
01U118	901.8	14-Dec-87	16 F	889.2
01U118	901.8	27-Jan-88	17 F	888.6
01U118	901.8	13-Apr-88	18 F	886.9
01U118	901.8	30-Aug-88	19 F	886.9
01U118	901.8	22-Nov-88	20 F	886.7
01U118	901.8	24-Apr-89	22 F	884.2
01U118	901.8	05-Aug-89	23 F	887.4
01U118	901.8	02-Nov-89	24 F	886.5
01U118	901.8	23-Jan-90	25 F	885.7
01U118	901.8	20-Feb-90	25 F	885.5
01U118	901.8	20-Mar-90	25 F	885.3
01U118	901.8	16-Apr-90	26 F	885.2
01U118	901.8	27-Apr-90	26 F	885.2
01U118	901.8	22-May-90	26 F	885.2
01U118	901.8	19-Jun-90	26 F	886.2
01U118	901.8	17-Jul-90	27 F	887.6
01U118	901.8	21-Aug-90	27 F	887.6
01U118	901.8	18-Sep-90	28 F	888.7
01U118	901.8	02-Nov-90	29 F	889.0
01U118	901.8	18-Dec-90	29 F	888.5
01U118	901.8	19-Feb-91	30 F	887.8
01U118	901.8	19-Mar-91	30 F	887.5
01U118	901.8	16-Apr-91	31 F	888.0
01U118	901.8	18-Jun-91	31 F	892.6
01U118	901.8	18-Jun-91	31 F	892.6
01U118	901.8	30-Jul-91	32 F	890.8
01U118	901.8	19-Aug-91	32 F	891.4
01U118	901.8	22-Oct-91	33 F	892.8
01U118	901.8	21-Dec-91	33 F	893.0
01U118	901.8	18-Feb-92	34 F	891.9
01U118	901.8	04-Mar-92	34 F	891.8
01U118	901.8	13-Apr-92	35 F	893.0
01U118	901.8	16-Jun-92	35 F	891.6
01U118	901.8	21-Aug-92	36 F	891.2
01U118	901.8	20-Oct-92	37 F	891.4
01U118	901.8	01-Dec-92	37 F	891.8
01U118	901.8	01-Feb-93	38 F	890.7
01U118	901.8	01-Mar-93	38 F	890.3
01U118	901.8	20-Apr-93	39 F	890.6
01U118	901.8	15-Jun-93	39 F	893.5
01U118	901.8	16-Aug-93	40 F	896.1
01U118	901.8	29-Oct-93	41 F	893.5
01U118	901.8	16-Dec-93	41 F	892.8
01U118	901.8	17-Feb-94	42 F	891.7
01U118	901.8	08-Mar-94	42 F	891.4
01U118	901.8	27-Apr-94	43 F	892.2
01U118	901.8	07-Jun-94	43 F	893.2
01U118	901.8	26-Jul-94	44 F	892.2
01U118	901.8	06-Sep-94	44 F	887.5
01U119	898.1	14-Dec-87	16 F	891.9
01U119	898.1	27-Jan-88	17 F	891.3
01U119	898.1	13-Apr-88	18 F	891.9
01U119	898.1	30-Aug-88	19 F	889.7
01U119	898.1	22-Nov-88	20 F	889.0
01U119	898.1	24-Apr-89	22 F	887.9
01U119	898.1	05-Aug-89	23 F	889.4
01U119	898.1	02-Nov-89	24 F	888.5
01U119	898.1	23-Jan-90	25 F	888.0
01U119	898.1	20-Feb-90	25 F	887.8
01U119	898.1	20-Mar-90	25 F	888.4
01U119	898.1	16-Apr-90	26 F	888.3
01U119	898.1	27-Apr-90	26 F	888.3
01U119	898.1	22-May-90	26 F	888.9
01U119	898.1	19-Jun-90	26 F	890.4
01U119	898.1	17-Jul-90	27 F	890.8
01U119	898.1	21-Aug-90	27 F	890.9
01U119	898.1	18-Sep-90	28 F	891.8
01U119	898.1	02-Nov-90	29 F	891.1
01U119	898.1	18-Dec-90	29 F	890.7
01U119	898.1	19-Feb-91	30 F	890.0
01U119	898.1	19-Mar-91	30 F	890.5
01U119	898.1	16-Apr-91	31 F	892.7
01U119	898.1	18-Jun-91	31 F	894.4
01U119	898.1	18-Jun-91	31 F	894.4
01U119	898.1	30-Jul-91	32 F	894.9
01U119	898.1	19-Aug-91	32 F	893.1
01U119	898.1	22-Oct-91	33 F	894.3
01U119	898.1	21-Dec-91	33 F	895.2
01U119	898.1	18-Feb-92	34 F	894.1
01U119	898.1	06-Mar-92	34 F	895.9
01U119	898.1	13-Apr-92	35 F	895.3
01U119	898.1	16-Jun-92	35 F	893.7
01U119	898.1	21-Aug-92	36 F	892.6
01U119	898.1	20-Oct-92	37 F	893.7
01U119	898.1	01-Dec-92	37 F	894.1
01U119	898.1	01-Feb-93	38 F	892.7
01U119	898.1	01-Mar-93	38 F	892.4
01U119	898.1	20-Apr-93	39 F	894.3
01U119	898.1	15-Jun-93	39 F	894.6
01U119	898.1	16-Aug-93	40 F	896.7
01U119	898.1	29-Oct-93	41 F	894.9
01U119	898.1	16-Dec-93	41 F	894.8
01U119	898.1	17-Feb-94	42 F	893.4
01U119	898.1	08-Mar-94	42 F	893.9
01U119	898.1	27-Apr-94	43 F	896.7
01U119	898.1	07-Jun-94	43 F	894.9
01U119	898.1	26-Jul-94	44 F	896.7
01U119	898.1	07-Sep-94	44 F	891.6
01U120	902.2	14-Dec-87	16 F	890.0
01U120	902.2	26-Jan-88	17 F	889.3
01U120	902.2	13-Apr-88	18 F	888.5
01U120	902.2	30-Aug-88	19 F	888.3
01U120	902.2	22-Nov-88	20 F	887.5
01U120	902.2	24-Apr-89	22 F	885.6
01U120	902.2	05-Aug-89	23 F	888.0
01U120	902.2	02-Nov-89	24 F	887.2
01U120	902.2	23-Jan-90	25 F	886.5
01U120	902.2	20-Feb-90	25 F	886.2
01U120	902.2	20-Mar-90	25 F	886.3
01U120	902.2	16-Apr-90	26 F	886.4
01U120	902.2	27-Apr-90	26 F	886.4
01U120	902.2	22-May-90	26 F	886.8
01U120	902.2	19-Jun-90	26 F	888.0
01U120	902.2	17-Jul-90	27 F	889.0
01U120	902.2	21-Aug-90	27 F	889.0
01U120	902.2	18-Sep-90	28 F	890.2
01U120	902.2	02-Nov-90	29 F	889.4
01U120	902.2	18-Dec-90	29 F	889.1
01U120	902.2	19-Feb-91	30 F	889.4
01U120	902.2	19-Mar-91	30 F	888.3
01U120	902.2	16-Apr-91	31 F	889.1
01U120	902.2	18-Jun-91	31 F	892.3
01U120	902.2	18-Jun-91	31 F	892.4
01U120	902.2	30-Jul-91	32 F	891.8
01U120	902.2	19-Aug-91	32 F	891.6
01U120	902.2	22-Oct-91	33 F	892.5
01U120	902.2	21-Dec-91	33 F	892.8
01U120	902.2	18-Feb-92	34 F	892.0
01U120	902.2	06-Mar-92	34 F	892.4

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U120	902.2	13-Apr-92	35 F	892.8
01U120	902.2	16-Jun-92	35 F	892.4
01U120	902.2	21-Aug-92	36 F	891.5
01U120	902.2	20-Oct-92	37 F	891.7
01U120	902.2	01-Dec-92	37 F	891.8
01U120	902.2	01-Feb-93	38 F	890.8
01U120	902.2	01-Mar-93	38 F	890.3
01U120	902.2	20-Apr-93	39 F	890.8
01U120	902.2	15-Jun-93	39 F	892.2
01U120	902.2	16-Aug-93	40 F	894.8
01U120	902.2	29-Oct-93	41 F	892.8
01U120	902.2	16-Dec-93	41 F	892.3
01U120	902.2	17-Feb-94	42 F	891.5
01U120	902.2	17-Feb-94	42 F	891.2
01U120	902.2	09-Mar-94	42 F	891.5
01U120	902.2	27-Apr-94	43 F	891.5
01U120	902.2	08-Jun-94	43 F	892.5
01U120	902.2	26-Jul-94	44 F	891.5
01U120	902.2	08-Sep-94	44 F	887.6
01U122	901.0	14-Dec-87	16 F	897.5
01U122	901.0	26-Jan-88	17 F	895.9
01U122	901.0	13-Apr-88	18 F	898.3
01U122	901.0	30-Aug-88	19 F	893.8
01U122	901.0	22-Nov-88	20 F	894.9
01U122	901.0	05-Aug-89	23 F	894.6
01U122	901.0	02-Nov-89	24 F	893.7
01U122	901.0	27-Apr-90	26 F	898.0
01U122	901.0	01-Apr-91	30 F	899.7
01U122	901.0	09-Mar-92	34 F	900.1
01U122	901.0	01-Mar-93	38 F	896.6
01U122	901.0	11-Mar-94	42 F	898.0
01U125	901.1	14-Dec-87	16 F	888.5
01U125	901.1	26-Jan-88	17 F	887.9
01U125	901.1	13-Apr-88	18 F	887.2
01U125	901.1	30-Aug-88	19 F	886.8
01U125	901.1	22-Nov-88	20 F	886.2
01U125	901.1	24-Apr-89	22 F	884.1
01U125	901.1	05-Aug-89	23 F	887.3
01U125	901.1	02-Nov-89	24 F	886.3
01U125	901.1	23-Jan-90	25 F	885.3
01U125	901.1	20-Feb-90	25 F	885.0
01U125	901.1	20-Mar-90	25 F	884.8
01U125	901.1	16-Apr-90	26 F	884.7
01U125	901.1	01-May-90	26 F	884.6
01U125	901.1	22-May-90	26 F	884.8
01U125	901.1	19-Jun-90	26 F	885.9
01U125	901.1	17-Jul-90	27 F	885.0
01U125	901.1	21-Aug-90	27 F	885.0
01U125	901.1	18-Sep-90	28 F	888.6
01U125	901.1	02-Nov-90	29 F	888.2
01U125	901.1	18-Dec-90	29 F	887.8
01U125	901.1	19-Feb-91	30 F	888.2
01U125	901.1	19-Mar-91	30 F	886.8
01U125	901.1	16-Apr-91	31 F	886.8
01U125	901.1	18-Jun-91	31 F	891.2
01U125	901.1	18-Jun-91	31 F	890.6
01U125	901.1	30-Jul-91	32 F	890.6
01U125	901.1	19-Aug-91	32 F	890.7
01U125	901.1	22-Oct-91	33 F	891.8
01U125	901.1	21-Dec-91	33 F	891.7
01U125	901.1	18-Feb-92	34 F	890.9
01U125	901.1	05-Mar-92	34 F	890.7
01U125	901.1	13-Apr-92	35 F	891.5
01U125	901.1	16-Jun-92	35 F	891.8
01U125	901.1	21-Aug-92	36 F	890.8
01U125	901.1	20-Oct-92	37 F	890.5
01U125	901.1	01-Dec-92	37 F	890.5
01U125	901.1	01-Feb-93	38 F	889.8
01U125	901.1	02-Mar-93	38 F	889.2
01U125	901.1	20-Apr-93	39 F	889.0
01U125	901.1	15-Jun-93	39 F	894.4
01U125	901.1	16-Aug-93	40 F	894.4
01U125	901.1	29-Oct-93	41 F	892.6
01U125	901.1	16-Dec-93	41 F	891.5
01U125	901.1	17-Feb-94	42 F	890.3
01U125	901.1	10-Mar-94	42 F	890.3
01U125	901.1	27-Apr-94	43 F	889.9
01U125	901.1	09-Jun-94	43 F	890.7
01U125	901.1	16-Jun-94	43 F	890.9
01U125	901.1	21-Jun-94	43 F	888.6
01U125	901.1	28-Jun-94	43 F	889.3
01U125	901.1	05-Jul-94	44 F	889.0
01U125	901.1	12-Jul-94	44 F	888.7
01U125	901.1	20-Jul-94	44 F	888.5
01U125	901.1	26-Jul-94	44 F	888.3
01U125	901.1	03-Aug-94	44 F	888.1
01U125	901.1	10-Aug-94	44 F	887.9
01U125	901.1	17-Aug-94	44 F	887.7
01U125	901.1	26-Aug-94	44 F	887.5
01U125	901.1	01-Sep-94	44 F	887.4
01U125	901.1	06-Sep-94	44 F	887.3
01U125	901.1	09-Sep-94	44 F	887.5
01U125	901.1	22-Sep-94	44 F	887.0
01U125	901.1	27-Sep-94	44 F	887.0
01U126	903.3	14-Dec-87	16 F	889.2
01U126	903.3	26-Jan-88	17 F	888.6
01U126	903.3	13-Apr-88	18 F	887.6
01U126	903.3	30-Aug-88	19 F	887.5
01U126	903.3	22-Nov-88	20 F	887.0
01U126	903.3	24-Apr-89	22 F	884.5
01U126	903.3	05-Aug-89	23 F	887.5
01U126	903.3	02-Nov-89	24 F	886.6
01U126	903.3	23-Jan-90	25 F	886.0
01U126	903.3	20-Feb-90	25 F	885.9
01U126	903.3	20-Mar-90	25 F	885.9
01U126	903.3	16-Apr-90	26 F	885.8
01U126	903.3	01-May-90	26 F	885.8
01U126	903.3	22-May-90	26 F	886.1
01U126	903.3	19-Jun-90	26 F	887.1
01U126	903.3	17-Jul-90	27 F	888.3
01U126	903.3	21-Aug-90	27 F	888.3
01U126	903.3	18-Sep-90	28 F	889.7
01U126	903.3	02-Nov-90	29 F	888.9
01U126	903.3	18-Dec-90	29 F	888.6
01U126	903.3	19-Feb-91	30 F	888.0
01U126	903.3	19-Mar-91	30 F	887.7
01U126	903.3	16-Apr-91	31 F	888.3
01U126	903.3	18-Jun-91	31 F	891.9
01U126	903.3	18-Jun-91	31 F	891.9
01U126	903.3	30-Jul-91	32 F	891.7
01U126	903.3	19-Aug-91	32 F	891.5
01U126	903.3	22-Oct-91	33 F	892.5
01U126	903.3	21-Dec-91	33 F	892.5
01U126	903.3	18-Feb-92	34 F	891.7
01U126	903.3	09-Mar-92	34 F	892.1
01U126	903.3	13-Apr-92	35 F	892.6
01U126	903.3	16-Jun-92	35 F	892.5
01U126	903.3	21-Aug-92	36 F	891.3
01U126	903.3	20-Oct-92	37 F	891.4
01U126	903.3	01-Dec-92	37 F	891.5
01U126	903.3	01-Feb-93	38 F	890.7
01U126	903.3	02-Mar-93	38 F	890.1
01U126	903.3	20-Apr-93	39 F	890.5
01U126	903.3	15-Jun-93	39 F	892.2
01U126	903.3	16-Aug-93	40 F	896.1
01U126	903.3	29-Oct-93	41 F	892.9
01U126	903.3	16-Dec-93	41 F	892.3
01U126	903.3	17-Feb-94	42 F	891.3
01U126	903.3	09-Mar-94	42 F	891.3
01U126	903.3	27-Apr-94	43 F	890.6
01U126	903.3	07-Jun-94	43 F	892.1
01U126	903.3	26-Jul-94	44 F	890.7
01U126	903.3	07-Sep-94	44 F	889.1
01U127	902.9	14-Dec-87	16 F	890.0

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U127	902.9	26-Jan-88	17 F	889.5
01U127	902.9	13-Apr-88	18 F	888.8
01U127	902.9	30-Aug-88	19 F	888.5
01U127	902.9	22-Nov-88	20 F	887.4
01U127	902.9	24-Apr-89	22 F	885.2
01U127	902.9	05-Aug-89	23 F	887.9
01U127	902.9	02-Nov-89	24 F	887.2
01U127	902.9	23-Jan-90	25 F	886.6
01U127	902.9	20-Feb-90	25 F	886.3
01U127	902.9	20-Mar-90	25 F	886.4
01U127	902.9	16-Apr-90	26 F	886.4
01U127	902.9	01-May-90	26 F	886.4
01U127	902.9	22-May-90	26 F	886.8
01U127	902.9	19-Jun-90	26 F	887.9
01U127	902.9	17-Jul-90	27 F	889.2
01U127	902.9	21-Aug-90	27 F	889.3
01U127	902.9	18-Sep-90	28 F	890.3
01U127	902.9	02-Nov-90	29 F	889.5
01U127	902.9	18-Dec-90	29 F	887.0
01U127	902.9	19-Feb-91	30 F	886.5
01U127	902.9	19-Mar-91	30 F	888.4
01U127	902.9	16-Apr-91	31 F	889.1
01U127	902.9	18-Jun-91	31 F	892.8
01U127	902.9	18-Jun-91	31 F	892.9
01U127	902.9	30-Jul-91	32 F	891.9
01U127	902.9	19-Aug-91	32 F	891.8
01U127	902.9	22-Oct-91	33 F	892.9
01U127	902.9	21-Dec-91	33 F	893.1
01U127	902.9	18-Feb-92	34 F	892.2
01U127	902.9	05-Mar-92	34 F	892.4
01U127	902.9	13-Apr-92	35 F	893.2
01U127	902.9	16-Jun-92	35 F	892.7
01U127	902.9	21-Aug-92	36 F	891.8
01U127	902.9	20-Oct-92	37 F	892.0
01U127	902.9	01-Dec-92	37 F	892.2
01U127	902.9	01-Feb-93	38 F	891.0
01U127	902.9	01-Mar-93	38 F	890.7
01U127	902.9	20-Apr-93	39 F	891.3
01U127	902.9	15-Jun-93	39 F	892.8
01U127	902.9	16-Aug-93	40 F	896.9
01U127	902.9	29-Oct-93	41 F	893.3
01U127	902.9	16-Dec-93	41 F	892.8
01U127	902.9	17-Feb-94	42 F	891.7
01U127	902.9	09-Mar-94	42 F	891.7
01U127	902.9	27-Apr-94	43 F	892.2
01U127	902.9	07-Jun-94	43 F	893.0
01U127	902.9	26-Jul-94	44 F	892.5
01U127	902.9	07-Sep-94	44 F	889.2
01U128	881.3	14-Dec-87	16 F	873.6
01U128	881.3	27-Jan-88	17 F	873.1
01U128	881.3	13-Apr-88	18 F	874.4
01U128	881.3	30-Aug-88	19 F	872.7
01U128	881.3	22-Nov-88	20 F	873.4
01U128	881.3	03-Aug-89	23 F	873.5
01U128	881.3	02-Nov-89	24 F	872.9
01U128	881.3	06-Mar-91	30 F	870.4
01U128	881.3	04-Jun-91	31 F	874.0
01U128	881.3	03-Sep-91	32 F	871.8
01U128	881.3	02-Mar-92	34 A	874.9
01U128	881.3	01-Jun-92	35 A	874.5
01U128	881.3	09-Sep-92	36 A	873.4
01U128	881.3	01-Dec-92	37 A	873.9
01U128	881.3	02-Mar-93	38 A	873.1
01U128	881.3	01-Jun-93	39 A	875.4
01U128	881.3	08-Sep-93	40 A	875.2
01U128	881.3	01-Mar-94	42 A	873.8
01U128	881.3	06-Sep-94	44 A	873.2
01U130	888.7	14-Dec-87	16 F	880.3
01U130	888.7	27-Jan-88	17 F	880.0
01U130	888.7	13-Apr-88	18 F	880.5
01U130	888.7	30-Aug-88	19 F	880.4
01U130	888.7	22-Nov-88	20 F	880.5
01U130	888.7	06-Aug-89	23 F	881.1
01U130	888.7	02-Nov-89	24 F	880.2
01U130	888.7	01-Apr-91	30 F	881.3
01U130	888.7	16-Mar-92	34 F	881.6
01U130	888.7	02-Mar-93	38 F	880.7
01U130	888.7	17-Mar-94	42 F	880.7
01U133	900.7	14-Dec-87	16 F	891.1
01U133	900.7	26-Jan-88	17 F	890.7
01U133	900.7	13-Apr-88	18 F	890.9
01U133	900.7	30-Aug-88	19 F	889.4
01U133	900.7	22-Nov-88	20 F	887.6
01U133	900.7	24-Apr-89	22 F	886.6
01U133	900.7	02-Nov-89	24 F	888.3
01U133	900.7	23-Jan-90	25 F	887.6
01U133	900.7	20-Feb-90	25 F	887.4
01U133	900.7	20-Mar-90	25 F	887.7
01U133	900.7	16-Apr-90	26 F	887.7
01U133	900.7	26-Apr-90	26 F	887.8
01U133	900.7	22-May-90	26 F	888.2
01U133	900.7	19-Jun-90	26 F	889.5
01U133	900.7	17-Jul-90	27 F	890.4
01U133	900.7	21-Aug-90	27 F	890.4
01U133	900.7	18-Sep-90	28 F	891.3
01U133	900.7	02-Nov-90	29 F	890.7
01U133	900.7	18-Dec-90	29 F	884.8
01U133	900.7	19-Feb-91	30 F	884.2
01U133	900.7	19-Mar-91	30 F	889.7
01U133	900.7	16-Apr-91	31 F	891.0
01U133	900.7	18-Jun-91	31 F	894.0
01U133	900.7	18-Jun-91	31 F	894.0
01U133	900.7	30-Jul-91	32 F	893.7
01U133	900.7	19-Aug-91	32 F	892.6
01U133	900.7	22-Oct-91	33 F	893.9
01U133	900.7	21-Dec-91	33 F	894.5
01U133	900.7	18-Feb-92	34 F	893.4
01U133	900.7	04-Mar-92	34 F	894.1
01U133	900.7	13-Apr-92	35 F	894.6
01U133	900.7	16-Jun-92	35 F	893.3
01U133	900.7	21-Aug-92	36 F	892.3
01U133	900.7	20-Oct-92	37 F	893.0
01U133	900.7	01-Dec-92	37 F	893.3
01U133	900.7	01-Feb-93	38 F	892.2
01U133	900.7	01-Mar-93	38 F	891.8
01U133	900.7	20-Apr-93	39 F	893.2
01U133	900.7	15-Jun-93	39 F	894.0
01U133	900.7	16-Aug-93	40 F	896.9
01U133	900.7	29-Oct-93	41 F	894.2
01U133	900.7	16-Dec-93	41 F	893.8
01U133	900.7	17-Feb-94	42 F	892.7
01U133	900.7	07-Mar-94	42 F	893.0
01U133	900.7	27-Apr-94	43 F	895.7
01U133	900.7	08-Jun-94	43 F	894.1
01U133	900.7	26-Jul-94	44 F	895.7
01U133	900.7	08-Sep-94	44 F	891.2
01U135	900.0	22-Nov-88	20 F	881.2
01U135	900.0	25-Apr-89	22 F	877.4
01U135	900.0	05-Aug-89	23 F	882.1
01U135	900.0	02-Nov-89	24 F	881.3
01U135	900.0	20-Apr-90	26 F	880.5
01U135	900.0	13-Mar-91	30 F	882.0
01U135	900.0	05-Mar-92	34 F	885.2
01U135	900.0	13-Apr-92	35 F	885.8
01U135	900.0	16-Jun-92	35 F	886.3
01U135	900.0	21-Aug-92	36 F	885.3
01U135	900.0	20-Oct-92	37 F	884.9
01U135	900.0	01-Dec-92	37 F	884.9
01U135	900.0	01-Feb-93	38 F	884.3
01U135	900.0	01-Mar-93	38 F	884.1
01U135	900.0	20-Apr-93	39 F	884.0
01U135	900.0	15-Jun-93	39 F	885.5
01U135	900.0	16-Aug-93	40 F	888.5
01U135	900.0	29-Oct-93	41 F	887.0

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U135	900.0	16-Dec-93	41 F	886.3
01U135	900.0	17-Feb-94	42 F	885.5
01U135	900.0	27-Feb-94	42 F	884.9
01U135	900.0	09-Mar-94	42 F	885.1
01U135	900.0	08-Jun-94	43 F	886.4
01U135	900.0	26-Jul-94	44 F	884.5
01U135	900.0	08-Sep-94	44 F	884.4
01U136	898.8	22-Nov-88	20 F	877.7
01U136	898.8	25-Apr-89	22 F	875.7
01U136	898.8	05-Aug-89	23 F	878.3
01U136	898.8	02-Nov-89	24 F	877.8
01U136	898.8	20-Apr-90	26 F	877.7
01U136	898.8	13-Mar-91	30 F	878.4
01U136	898.8	05-Mar-92	34 F	881.0
01U136	898.8	09-Nov-92	37 F	880.2
01U136	898.8	01-Dec-92	37 F	880.2
01U136	898.8	01-Feb-93	38 F	879.8
01U136	898.8	02-Mar-93	38 F	879.7
01U136	898.8	20-Apr-93	39 F	879.5
01U136	898.8	15-Jun-93	39 F	880.9
01U136	898.8	16-Aug-93	40 F	883.1
01U136	898.8	29-Oct-93	41 F	881.7
01U136	898.8	16-Dec-93	41 F	881.3
01U136	898.8	17-Feb-94	42 F	880.6
01U136	898.8	09-Mar-94	42 F	880.6
01U136	898.8	27-Apr-94	43 F	880.4
01U136	898.8	08-Jun-94	43 F	881.9
01U136	898.8	26-Jul-94	44 F	880.4
01U136	898.8	08-Sep-94	44 F	880.0
01U137	900.9	29-Jul-91	32 F	891.7
01U137	900.9	06-Mar-92	34 F	892.0
01U137	900.9	13-Apr-92	35 F	892.7
01U137	900.9	16-Jun-92	35 F	892.7
01U137	900.9	21-Aug-92	36 F	891.6
01U137	900.9	20-Oct-92	37 F	891.6
01U137	900.9	01-Dec-92	37 F	891.8
01U137	900.9	01-Feb-93	38 F	890.7
01U137	900.9	01-Mar-93	38 F	890.3
01U137	900.9	20-Apr-93	39 F	890.4
01U137	900.9	15-Jun-93	39 F	892.3
01U137	900.9	16-Aug-93	40 F	896.1
01U137	900.9	29-Oct-93	41 F	893.4
01U137	900.9	16-Dec-93	41 F	892.7
01U137	900.9	17-Feb-94	42 F	891.6
01U137	900.9	10-Mar-94	42 F	891.4
01U137	900.9	27-Apr-94	43 F	891.7
01U137	900.9	07-Jun-94	43 F	892.5
01U137	900.9	26-Jul-94	44 F	891.3
01U137	900.9	06-Sep-94	44 F	886.9
01U138	904.6	29-Jul-91	32 F	890.2
01U138	904.6	06-Mar-92	34 F	890.2
01U138	904.6	13-Apr-92	35 F	890.8
01U138	904.6	16-Jun-92	35 F	891.1
01U138	904.6	21-Aug-92	36 F	890.1
01U138	904.6	20-Oct-92	37 F	889.9
01U138	904.6	01-Dec-92	37 F	889.9
01U138	904.6	01-Feb-93	38 F	889.1
01U138	904.6	02-Mar-93	38 F	888.5
01U138	904.6	20-Apr-93	39 F	888.6
01U138	904.6	15-Jun-93	39 F	890.3
01U138	904.6	16-Aug-93	40 F	894.1
01U138	904.6	29-Oct-93	41 F	892.1
01U138	904.6	16-Dec-93	41 F	891.0
01U138	904.6	17-Feb-94	42 F	889.9
01U138	904.6	10-Mar-94	42 F	889.9
01U138	904.6	27-Apr-94	43 F	890.8
01U138	904.6	09-Jun-94	43 F	888.7
01U138	904.6	16-Jun-94	43 F	888.4
01U138	904.6	21-Jun-94	43 F	888.0
01U138	904.6	28-Jun-94	43 F	887.7
01U138	904.6	05-Jul-94	44 F	887.4
01U138	904.6	12-Jul-94	44 F	887.3
01U138	904.6	20-Jul-94	44 F	887.2
01U138	904.6	26-Jul-94	44 F	887.1
01U138	904.6	03-Aug-94	44 F	886.7
01U138	904.6	10-Aug-94	44 F	886.5
01U138	904.6	17-Aug-94	44 F	886.6
01U138	904.6	26-Aug-94	44 F	886.6
01U138	904.6	01-Sep-94	44 F	886.4
01U138	904.6	06-Sep-94	44 F	886.3
01U138	904.6	09-Sep-94	44 F	886.5
01U138	904.6	22-Sep-94	44 F	886.2
01U138	904.6	27-Sep-94	44 F	886.3
01U139	901.5	29-Jul-91	32 F	889.6
01U139	901.5	06-Mar-92	34 F	889.5
01U139	901.5	13-Apr-92	35 F	890.2
01U139	901.5	16-Jun-92	35 F	890.5
01U139	901.5	21-Aug-92	36 F	889.6
01U139	901.5	20-Oct-92	37 F	889.3
01U139	901.5	01-Dec-92	37 F	889.2
01U139	901.5	01-Feb-93	38 F	888.6
01U139	901.5	02-Mar-93	38 F	888.0
01U139	901.5	20-Apr-93	39 F	887.8
01U139	901.5	15-Jun-93	39 F	889.6
01U139	901.5	16-Aug-93	40 F	893.4
01U139	901.5	07-Sep-93	40 F	893.0
01U139	901.5	29-Oct-93	41 F	891.5
01U139	901.5	16-Dec-93	41 F	890.4
01U139	901.5	17-Feb-94	42 F	889.4
01U139	901.5	07-Mar-94	42 F	889.3
01U139	901.5	27-Apr-94	43 F	888.7
01U139	901.5	08-Jun-94	43 F	888.1
01U139	901.5	16-Jun-94	43 F	887.5
01U139	901.5	21-Jun-94	43 F	887.2
01U139	901.5	28-Jun-94	43 F	886.8
01U139	901.5	05-Jul-94	44 F	886.4
01U139	901.5	12-Jul-94	44 F	886.2
01U139	901.5	20-Jul-94	44 F	886.0
01U139	901.5	26-Jul-94	44 F	885.9
01U139	901.5	03-Aug-94	44 F	885.7
01U139	901.5	10-Aug-94	44 F	885.6
01U139	901.5	17-Aug-94	44 F	885.5
01U139	901.5	26-Aug-94	44 F	885.5
01U139	901.5	01-Sep-94	44 F	885.9
01U139	901.5	06-Sep-94	44 F	885.9
01U139	901.5	09-Sep-94	44 F	886.0
01U139	901.5	22-Sep-94	44 F	885.9
01U139	901.5	27-Sep-94	44 F	886.0
01U140	899.0	29-Jul-91	32 F	887.9
01U140	899.0	06-Mar-92	34 F	887.8
01U140	899.0	13-Apr-92	35 F	888.4
01U140	899.0	16-Jun-92	35 F	888.9
01U140	899.0	21-Aug-92	36 F	887.9
01U140	899.0	20-Oct-92	37 F	887.6
01U140	899.0	01-Dec-92	37 F	887.5
01U140	899.0	01-Feb-93	38 F	886.9
01U140	899.0	02-Mar-93	38 F	886.3
01U140	899.0	20-Apr-93	39 F	886.0
01U140	899.0	15-Jun-93	39 F	888.7
01U140	899.0	16-Aug-93	40 F	891.4
01U140	899.0	07-Sep-93	40 F	891.0
01U140	899.0	29-Oct-93	41 F	889.7
01U140	899.0	16-Dec-93	41 F	888.6
01U140	899.0	17-Feb-94	42 F	887.6
01U140	899.0	08-Mar-94	42 F	887.7
01U140	899.0	27-Apr-94	43 F	887.1
01U140	899.0	08-Jun-94	43 F	887.5
01U140	899.0	16-Jun-94	43 F	886.9
01U140	899.0	21-Jun-94	43 F	886.6
01U140	899.0	28-Jun-94	43 F	886.3
01U140	899.0	05-Jul-94	44 F	885.9
01U140	899.0	12-Jul-94	44 F	885.6
01U140	899.0	20-Jul-94	44 F	885.6

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U140	899.0	26-Jul-94	44 F	886.5
01U140	899.0	03-Aug-94	44 F	885.4
01U140	899.0	10-Aug-94	44 F	885.4
01U140	899.0	17-Aug-94	44 F	885.4
01U140	899.0	26-Aug-94	44 F	885.4
01U140	899.0	01-Sep-94	44 F	885.1
01U140	899.0	06-Sep-94	44 F	885.1
01U140	899.0	09-Sep-94	44 F	888.1
01U140	899.0	22-Sep-94	44 F	885.0
01U140	899.0	27-Sep-94	44 F	885.1
01U141	898.0	29-Jul-91	32 F	889.8
01U141	898.0	06-Mar-92	34 F	889.7
01U141	898.0	13-Apr-92	35 F	890.3
01U141	898.0	16-Jun-92	35 F	890.5
01U141	898.0	21-Aug-92	36 F	889.6
01U141	898.0	20-Oct-92	37 F	889.4
01U141	898.0	01-Dec-92	37 F	889.4
01U141	898.0	01-Feb-93	38 F	888.6
01U141	898.0	01-Mar-93	38 F	888.1
01U141	898.0	20-Apr-93	39 F	888.0
01U141	898.0	15-Jun-93	39 F	889.8
01U141	898.0	16-Aug-93	40 F	893.9
01U141	898.0	29-Oct-93	41 F	891.3
01U141	898.0	16-Dec-93	41 F	890.5
01U141	898.0	17-Feb-94	42 F	889.5
01U141	898.0	08-Mar-94	42 F	889.3
01U141	898.0	27-Apr-94	43 F	889.4
01U141	898.0	07-Jun-94	43 F	890.0
01U141	898.0	26-Jul-94	44 F	889.1
01U141	898.0	06-Sep-94	44 F	887.1
01U145	901.4	26-May-94	43 F	892.3
01U145	901.4	09-Jun-94	43 F	890.9
01U145	901.4	16-Jun-94	43 F	890.2
01U145	901.4	21-Jun-94	43 F	889.9
01U145	901.4	28-Jun-94	43 F	889.6
01U145	901.4	05-Jul-94	44 F	889.3
01U145	901.4	12-Jul-94	44 F	889.1
01U145	901.4	20-Jul-94	44 F	888.9
01U145	901.4	26-Jul-94	44 F	888.7
01U145	901.4	03-Aug-94	44 F	887.7
01U145	901.4	10-Aug-94	44 F	888.2
01U145	901.4	17-Aug-94	44 F	888.1
01U145	901.4	26-Aug-94	44 F	888.0
01U145	901.4	01-Sep-94	44 F	887.8
01U145	901.4	06-Sep-94	44 F	887.7
01U145	901.4	22-Sep-94	44 F	887.4
01U145	901.4	27-Sep-94	44 F	887.4
01U146	903.5	26-May-94	43 F	891.2
01U146	903.5	09-Jun-94	43 F	889.0
01U146	903.5	16-Jun-94	43 F	888.8
01U146	903.5	21-Jun-94	43 F	888.3
01U146	903.5	28-Jun-94	43 F	888.0
01U146	903.5	05-Jul-94	44 F	887.8
01U146	903.5	12-Jul-94	44 F	887.7
01U146	903.5	20-Jul-94	44 F	887.7
01U146	903.5	26-Jul-94	44 F	887.6
01U146	903.5	03-Aug-94	44 F	887.2
01U146	903.5	10-Aug-94	44 F	887.0
01U146	903.5	17-Aug-94	44 F	887.0
01U146	903.5	26-Aug-94	44 F	887.1
01U146	903.5	01-Sep-94	44 F	886.8
01U146	903.5	06-Sep-94	44 F	886.6
01U146	903.5	22-Sep-94	44 F	886.5
01U146	903.5	27-Sep-94	44 F	886.5
01U147	902.8	26-May-94	43 F	891.6
01U147	902.8	09-Jun-94	43 F	889.8
01U147	902.8	16-Jun-94	43 F	889.3
01U147	902.8	21-Jun-94	43 F	889.1
01U147	902.8	28-Jun-94	43 F	888.8
01U147	902.8	05-Jul-94	44 F	888.6
01U147	902.8	12-Jul-94	44 F	888.5
01U147	902.8	20-Jul-94	44 F	888.4
01U147	902.8	26-Jul-94	44 F	888.3
01U147	902.8	03-Aug-94	44 F	887.7
01U147	902.8	10-Aug-94	44 F	887.6
01U147	902.8	17-Aug-94	44 F	887.6
01U147	902.8	26-Aug-94	44 F	887.5
01U147	902.8	01-Sep-94	44 F	887.4
01U147	902.8	06-Sep-94	44 F	887.3
01U147	902.8	22-Sep-94	44 F	887.1
01U147	902.8	27-Sep-94	44 F	887.2
01U148	902.6	26-May-94	43 F	891.4
01U148	902.6	09-Jun-94	43 F	889.0
01U148	902.6	16-Jun-94	43 F	888.6
01U148	902.6	21-Jun-94	43 F	888.2
01U148	902.6	28-Jun-94	43 F	888.0
01U148	902.6	05-Jul-94	44 F	887.7
01U148	902.6	12-Jul-94	44 F	887.7
01U148	902.6	20-Jul-94	44 F	887.7
01U148	902.6	26-Jul-94	44 F	887.6
01U148	902.6	03-Aug-94	44 F	886.8
01U148	902.6	10-Aug-94	44 F	886.8
01U148	902.6	17-Aug-94	44 F	886.8
01U148	902.6	26-Aug-94	44 F	886.8
01U148	902.6	01-Sep-94	44 F	886.7
01U148	902.6	06-Sep-94	44 F	886.5
01U148	902.6	22-Sep-94	44 F	886.4
01U148	902.6	27-Sep-94	44 F	886.5
01U149	901.3	26-May-94	43 F	891.6
01U149	901.3	09-Jun-94	43 F	889.7
01U149	901.3	16-Jun-94	43 F	889.2
01U149	901.3	21-Jun-94	43 F	888.7
01U149	901.3	28-Jun-94	43 F	888.4
01U149	901.3	05-Jul-94	44 F	888.1
01U149	901.3	12-Jul-94	44 F	888.0
01U149	901.3	20-Jul-94	44 F	887.9
01U149	901.3	26-Jul-94	44 F	887.8
01U149	901.3	03-Aug-94	44 F	884.9
01U149	901.3	10-Aug-94	44 F	887.2
01U149	901.3	17-Aug-94	44 F	887.1
01U149	901.3	26-Aug-94	44 F	887.1
01U149	901.3	01-Sep-94	44 F	887.0
01U149	901.3	06-Sep-94	44 F	886.8
01U149	901.3	22-Sep-94	44 F	886.6
01U149	901.3	27-Sep-94	44 F	886.7
01U150	901.3	26-May-94	43 F	891.1
01U150	901.3	09-Jun-94	43 F	888.6
01U150	901.3	16-Jun-94	43 F	888.3
01U150	901.3	21-Jun-94	43 F	887.8
01U150	901.3	28-Jun-94	43 F	887.5
01U150	901.3	05-Jul-94	44 F	887.2
01U150	901.3	12-Jul-94	44 F	887.1
01U150	901.3	20-Jul-94	44 F	887.0
01U150	901.3	26-Jul-94	44 F	887.0
01U150	901.3	03-Aug-94	44 F	886.1
01U150	901.3	10-Aug-94	44 F	886.4
01U150	901.3	17-Aug-94	44 F	886.4
01U150	901.3	26-Aug-94	44 F	886.5
01U150	901.3	01-Sep-94	44 F	886.3
01U150	901.3	06-Sep-94	44 F	886.0
01U150	901.3	22-Sep-94	44 F	886.0
01U150	901.3	27-Sep-94	44 F	886.1
01U151	904.7	26-May-94	43 F	893.8
01U151	904.7	09-Jun-94	43 F	888.9
01U151	904.7	16-Jun-94	43 F	888.5
01U151	904.7	21-Jun-94	43 F	888.0
01U151	904.7	28-Jun-94	43 F	887.7
01U151	904.7	05-Jul-94	44 F	887.4
01U151	904.7	12-Jul-94	44 F	887.3
01U151	904.7	20-Jul-94	44 F	887.2

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U151	904.7	26-Jul-94	44 F	887.1
01U151	904.7	03-Aug-94	44 F	886.7
01U151	904.7	10-Aug-94	44 F	886.5
01U151	904.7	17-Aug-94	44 F	886.5
01U151	904.7	26-Aug-94	44 F	886.5
01U151	904.7	01-Sep-94	44 F	886.3
01U151	904.7	06-Sep-94	44 F	886.2
01U151	904.7	22-Sep-94	44 F	886.1
01U151	904.7	27-Sep-94	44 F	886.2
01U152	901.0	26-May-94	43 F	889.6
01U152	901.0	09-Jun-94	43 F	888.0
01U152	901.0	09-Jun-94	43 F	888.6
01U152	901.0	21-Jun-94	43 F	887.7
01U152	901.0	28-Jun-94	43 F	887.4
01U152	901.0	05-Jul-94	44 F	887.1
01U152	901.0	12-Jul-94	44 F	886.8
01U152	901.0	20-Jul-94	44 F	886.7
01U152	901.0	26-Jul-94	44 F	886.6
01U152	901.0	03-Aug-94	44 F	886.3
01U152	901.0	17-Aug-94	44 F	886.0
01U152	901.0	19-Aug-94	44 F	886.1
01U152	901.0	26-Aug-94	44 F	886.0
01U152	901.0	01-Sep-94	44 F	886.1
01U152	901.0	06-Sep-94	44 F	886.0
01U152	901.0	22-Sep-94	44 F	885.9
01U152	901.0	27-Sep-94	44 F	886.0
01U153	899.9	26-May-94	43 F	889.2
01U153	899.9	09-Jun-94	43 F	887.3
01U153	899.9	09-Jun-94	43 F	888.0
01U153	899.9	24-Jun-94	43 F	886.9
01U153	899.9	28-Jun-94	43 F	886.4
01U153	899.9	05-Jul-94	44 F	886.0
01U153	899.9	12-Jul-94	44 F	885.7
01U153	899.9	26-Jul-94	44 F	885.5
01U153	899.9	03-Aug-94	44 F	885.3
01U153	899.9	10-Aug-94	44 F	885.2
01U153	899.9	17-Aug-94	44 F	885.1
01U153	899.9	26-Aug-94	44 F	885.1
01U153	899.9	01-Sep-94	44 F	885.4
01U153	899.9	06-Sep-94	44 F	885.3
01U153	899.9	22-Sep-94	44 F	885.4
01U153	899.9	27-Sep-94	44 F	885.5
01U154	898.9	26-May-94	43 F	888.1
01U154	898.9	09-Jun-94	43 F	887.6
01U154	898.9	16-Jun-94	43 F	887.0
01U154	898.9	21-Jun-94	43 F	886.6
01U154	898.9	28-Jun-94	43 F	886.2
01U154	898.9	05-Jul-94	44 F	885.8
01U154	898.9	12-Jul-94	44 F	885.5
01U154	898.9	20-Jul-94	44 F	885.4
01U154	898.9	26-Jul-94	44 F	885.4
01U154	898.9	03-Aug-94	44 F	885.3
01U154	898.9	10-Aug-94	44 F	885.2
01U154	898.9	17-Aug-94	44 F	885.2
01U154	898.9	26-Aug-94	44 F	885.2
01U154	898.9	01-Sep-94	44 F	885.0
01U154	898.9	06-Sep-94	44 F	885.0
01U154	898.9	22-Sep-94	44 F	885.0
01U154	898.9	27-Sep-94	44 F	885.1
01U155	897.9	26-May-94	43 F	887.4
01U155	897.9	09-Jun-94	43 F	886.5
01U155	897.9	16-Jun-94	43 F	886.2
01U155	897.9	21-Jun-94	43 F	886.0
01U155	897.9	28-Jun-94	43 F	885.7
01U155	897.9	05-Jul-94	44 F	885.4
01U155	897.9	12-Jul-94	44 F	885.2
01U155	897.9	20-Jul-94	44 F	885.1
01U155	897.9	26-Jul-94	44 F	885.1
01U155	897.9	03-Aug-94	44 F	884.9
01U155	897.9	10-Aug-94	44 F	884.9
01U155	897.9	17-Aug-94	44 F	884.8
01U155	897.9	26-Aug-94	44 F	884.7
01U155	897.9	01-Sep-94	44 F	884.5
01U155	897.9	06-Sep-94	44 F	884.5
01U155	897.9	22-Sep-94	44 F	884.3
01U155	897.9	27-Sep-94	44 F	884.4
01U156	897.8	26-May-94	43 F	886.9
01U156	897.8	09-Jun-94	43 F	886.4
01U156	897.8	16-Jun-94	43 F	886.1
01U156	897.8	21-Jun-94	43 F	887.0
01U156	897.8	28-Jun-94	43 F	885.8
01U156	897.8	05-Jul-94	44 F	885.5
01U156	897.8	12-Jul-94	44 F	885.3
01U156	897.8	20-Jul-94	44 F	885.2
01U156	897.8	26-Jul-94	44 F	885.1
01U156	897.8	03-Aug-94	44 F	884.9
01U156	897.8	10-Aug-94	44 F	884.8
01U156	897.8	17-Aug-94	44 F	884.7
01U156	897.8	26-Aug-94	44 F	884.6
01U156	897.8	01-Sep-94	44 F	884.4
01U156	897.8	06-Sep-94	44 F	884.4
01U156	897.8	22-Sep-94	44 F	884.2
01U156	897.8	27-Sep-94	44 F	884.2
01U157	901.9	10-Mar-94	42 F	889.3
01U157	901.9	09-Jun-94	43 F	889.3
01U157	901.9	16-Jun-94	43 F	888.2
01U157	901.9	21-Jun-94	43 F	887.9
01U157	901.9	28-Jun-94	43 F	887.6
01U157	901.9	05-Jul-94	44 F	887.2
01U157	901.9	12-Jul-94	44 F	887.2
01U157	901.9	20-Jul-94	44 F	887.0
01U157	901.9	26-Jul-94	44 F	886.9
01U157	901.9	03-Aug-94	44 F	886.6
01U157	901.9	10-Aug-94	44 F	886.3
01U157	901.9	17-Aug-94	44 F	886.4
01U157	901.9	26-Aug-94	44 F	886.4
01U157	901.9	01-Sep-94	44 F	886.3
01U157	901.9	06-Sep-94	44 F	886.2
01U157	901.9	09-Sep-94	44 F	886.1
01U157	901.9	22-Sep-94	44 F	886.1
01U157	901.9	27-Sep-94	44 F	886.1
01U158	901.1	10-Mar-94	42 F	888.8
01U158	901.1	09-Jun-94	43 F	887.7
01U158	901.1	16-Jun-94	43 F	888.1
01U158	901.1	21-Jun-94	43 F	887.8
01U158	901.1	28-Jun-94	43 F	887.5
01U158	901.1	05-Jul-94	44 F	887.0
01U158	901.1	12-Jul-94	44 F	886.8
01U158	901.1	20-Jul-94	44 F	886.7
01U158	901.1	26-Jul-94	44 F	886.6
01U158	901.1	03-Aug-94	44 F	886.3
01U158	901.1	10-Aug-94	44 F	886.2
01U158	901.1	17-Aug-94	44 F	886.1
01U158	901.1	26-Aug-94	44 F	886.1
01U158	901.1	01-Sep-94	44 F	886.1
01U158	901.1	06-Sep-94	44 F	886.0
01U158	901.1	09-Sep-94	44 F	886.0
01U158	901.1	22-Sep-94	44 F	885.9
01U158	901.1	27-Sep-94	44 F	885.9
01U350	903.9	22-Nov-88	20 F	879.5
01U350	903.9	24-Apr-89	22 F	878.7
01U350	903.9	05-Aug-89	23 F	881.0
01U350	903.9	02-Nov-89	24 F	878.4
01U350	903.9	23-Jan-90	25 F	877.9
01U350	903.9	20-Feb-90	25 F	879.3
01U350	903.9	20-Mar-90	25 F	877.0
01U350	903.9	16-Apr-90	26 F	877.8
01U350	903.9	03-May-90	26 F	877.8
01U350	903.9	22-May-90	26 F	880.7
01U350	903.9	19-Jun-90	26 F	882.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U350	903.9	17-Jul-90	27 F	886.2
01U350	903.9	21-Aug-90	27 F	886.3
01U350	903.9	18-Sep-90	28 F	886.3
01U350	903.9	02-Nov-90	29 F	886.3
01U350	903.9	18-Dec-90	29 F	886.1
01U350	903.9	19-Feb-91	30 F	885.7
01U350	903.9	19-Mar-91	30 F	887.1
01U350	903.9	16-Apr-91	31 F	886.4
01U350	903.9	04-Jun-91	31 F	891.2
01U350	903.9	18-Jun-91	31 F	890.2
01U350	903.9	18-Jun-91	31 F	890.1
01U350	903.9	30-Jul-91	32 F	885.0
01U350	903.9	19-Aug-91	32 F	888.7
01U350	903.9	03-Sep-91	32 F	889.9
01U350	903.9	22-Oct-91	33 F	889.8
01U350	903.9	21-Dec-91	33 F	888.9
01U350	903.9	18-Feb-92	34 F	886.5
01U350	903.9	13-Apr-92	35 F	889.5
01U350	903.9	16-Jun-92	35 F	887.3
01U350	903.9	21-Aug-92	36 F	887.5
01U350	903.9	01-Sep-92	36 F	891.7
01U350	903.9	20-Oct-92	37 F	888.5
01U350	903.9	01-Dec-92	37 F	887.7
01U350	903.9	01-Feb-93	38 F	886.1
01U350	903.9	01-Mar-93	38 F	885.3
01U350	903.9	20-Apr-93	39 F	885.1
01U350	903.9	01-Jun-93	39 F	886.7
01U350	903.9	16-Aug-93	40 F	889.2
01U350	903.9	29-Oct-93	40 F	893.1
01U350	903.9	29-Oct-93	41 F	893.2
01U350	903.9	16-Dec-93	41 F	887.1
01U350	903.9	17-Feb-94	42 F	885.3
01U350	903.9	10-Mar-94	42 F	885.6
01U350	903.9	27-Apr-94	43 F	885.6
01U350	903.9	08-Jun-94	43 F	885.0
01U350	903.9	26-Jul-94	44 F	885.6
01U350	903.9	07-Sep-94	44 F	890.6
01U351	904.0	11-Mar-94	42 F	890.0
01U351	904.0	26-May-94	43 F	891.5
01U351	904.0	09-Jun-94	43 F	887.1
01U351	904.0	09-Jun-94	43 F	887.4
01U351	904.0	16-Jun-94	43 F	886.7
01U351	904.0	21-Jun-94	43 F	886.4
01U351	904.0	28-Jun-94	43 F	886.1
01U351	904.0	05-Jul-94	44 F	885.7
01U351	904.0	12-Jul-94	44 F	885.7
01U351	904.0	20-Jul-94	44 F	885.6
01U351	904.0	26-Jul-94	44 F	885.4
01U351	904.0	03-Aug-94	44 F	884.7
01U351	904.0	10-Aug-94	44 F	884.7
01U351	904.0	17-Aug-94	44 F	884.5
01U351	904.0	26-Aug-94	44 F	884.6
01U351	904.0	01-Sep-94	44 F	884.5
01U351	904.0	06-Sep-94	44 F	884.3
01U351	904.0	07-Sep-94	44 F	884.3
01U351	904.0	22-Sep-94	44 F	884.3
01U351	904.0	27-Sep-94	44 F	884.3
01U352	901.0	11-Mar-94	42 F	889.6
01U352	901.0	26-May-94	43 F	891.4
01U352	901.0	09-Jun-94	43 F	880.2
01U352	901.0	09-Jun-94	43 F	879.4
01U352	901.0	16-Jun-94	43 F	878.4
01U352	901.0	21-Jun-94	43 F	877.5
01U352	901.0	28-Jun-94	43 F	877.2
01U352	901.0	05-Jul-94	44 F	876.5
01U352	901.0	12-Jul-94	44 F	880.5
01U352	901.0	20-Jul-94	44 F	883.0
01U352	901.0	26-Jul-94	44 F	883.9
01U352	901.0	03-Aug-94	44 F	874.8
01U352	901.0	10-Aug-94	44 F	875.5
01U352	901.0	17-Aug-94	44 F	876.9
01U352	901.0	26-Aug-94	44 F	879.5
01U352	901.0	01-Sep-94	44 F	880.7
01U352	901.0	06-Sep-94	44 F	881.4
01U352	901.0	07-Sep-94	44 F	881.4
01U352	901.0	22-Sep-94	44 F	881.5
01U352	901.0	27-Sep-94	44 F	883.0
01U353	902.0	11-Mar-94	42 F	889.5
01U353	902.0	26-May-94	43 F	891.2
01U353	902.0	09-Jun-94	43 F	882.0
01U353	902.0	09-Jun-94	43 F	882.6
01U353	902.0	16-Jun-94	43 F	888.3
01U353	902.0	21-Jun-94	43 F	883.3
01U353	902.0	28-Jun-94	43 F	880.4
01U353	902.0	05-Jul-94	44 F	882.1
01U353	902.0	12-Jul-94	44 F	882.4
01U353	902.0	20-Jul-94	44 F	882.9
01U353	902.0	26-Jul-94	44 F	883.4
01U353	902.0	03-Aug-94	44 F	883.6
01U353	902.0	10-Aug-94	44 F	884.2
01U353	902.0	17-Aug-94	44 F	885.2
01U353	902.0	26-Aug-94	44 F	886.0
01U353	902.0	01-Sep-94	44 F	884.5
01U353	902.0	06-Sep-94	44 F	881.5
01U353	902.0	07-Sep-94	44 F	881.5
01U353	902.0	22-Sep-94	44 F	882.2
01U353	902.0	27-Sep-94	44 F	882.5
01U354	903.8	10-Mar-94	42 F	889.3
01U354	903.8	26-May-94	43 F	891.0
01U354	903.8	09-Jun-94	43 F	886.4
01U354	903.8	09-Jun-94	43 F	886.9
01U354	903.8	09-Jun-94	43 F	886.6
01U354	903.8	21-Jun-94	43 F	886.0
01U354	903.8	28-Jun-94	43 F	885.8
01U354	903.8	05-Jul-94	44 F	885.5
01U354	903.8	12-Jul-94	44 F	885.6
01U354	903.8	20-Jul-94	44 F	885.6
01U354	903.8	26-Jul-94	44 F	885.5
01U354	903.8	03-Aug-94	44 F	885.1
01U354	903.8	10-Aug-94	44 F	884.8
01U354	903.8	17-Aug-94	44 F	885.0
01U354	903.8	26-Aug-94	44 F	885.2
01U354	903.8	01-Sep-94	44 F	884.7
01U354	903.8	06-Sep-94	44 F	884.8
01U354	903.8	07-Sep-94	44 F	884.9
01U354	903.8	22-Sep-94	44 F	885.0
01U354	903.8	27-Sep-94	44 F	885.2
01U355	899.9	10-Mar-94	42 F	888.6
01U355	899.9	26-May-94	43 F	890.0
01U355	899.9	09-Jun-94	43 F	875.7
01U355	899.9	09-Jun-94	43 F	876.4
01U355	899.9	16-Jun-94	43 F	875.8
01U355	899.9	21-Jun-94	43 F	875.7
01U355	899.9	28-Jun-94	43 F	873.8
01U355	899.9	05-Jul-94	44 F	871.2
01U355	899.9	12-Jul-94	44 F	872.0
01U355	899.9	20-Jul-94	44 F	872.4
01U355	899.9	26-Jul-94	44 F	872.4
01U355	899.9	03-Aug-94	44 F	873.5
01U355	899.9	10-Aug-94	44 F	867.0
01U355	899.9	17-Aug-94	44 F	870.1
01U355	899.9	26-Aug-94	44 F	872.4
01U355	899.9	01-Sep-94	44 F	880.1
01U355	899.9	06-Sep-94	44 F	881.2
01U355	899.9	08-Sep-94	44 F	880.3
01U355	899.9	22-Sep-94	44 F	881.4
01U355	899.9	27-Sep-94	44 F	882.0
01U356	899.5	10-Mar-94	42 F	887.8
01U356	899.5	26-May-94	43 F	889.2
01U356	899.5	09-Jun-94	43 F	882.5
01U356	899.5	09-Jun-94	43 F	882.8
01U356	899.5	16-Jun-94	43 F	881.9

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U356	899.5	21-Jun-94	43 F	878.3
01U356	899.5	28-Jun-94	43 F	877.3
01U356	899.5	05-Jul-94	44 F	875.7
01U356	899.5	12-Jul-94	44 F	875.9
01U356	899.5	20-Jul-94	44 F	876.7
01U356	899.5	26-Jul-94	44 F	873.4
01U356	899.5	03-Aug-94	44 F	878.4
01U356	899.5	10-Aug-94	44 F	879.1
01U356	899.5	17-Aug-94	44 F	879.9
01U356	899.5	26-Aug-94	44 F	880.5
01U356	899.5	01-Sep-94	44 F	879.9
01U356	899.5	06-Sep-94	44 F	880.7
01U356	899.5	08-Sep-94	44 F	880.8
01U356	899.5	22-Sep-94	44 F	883.0
01U356	899.5	27-Sep-94	44 F	883.8
01U357	899.1	10-Mar-94	42 F	886.8
01U357	899.1	26-May-94	43 F	888.0
01U357	899.1	09-Jun-94	43 F	876.8
01U357	899.1	09-Jun-94	43 F	877.2
01U357	899.1	16-Jun-94	43 F	878.4
01U357	899.1	21-Jun-94	43 F	875.7
01U357	899.1	28-Jun-94	43 F	875.5
01U357	899.1	05-Jul-94	44 F	874.9
01U357	899.1	12-Jul-94	44 F	876.6
01U357	899.1	20-Jul-94	44 F	877.4
01U357	899.1	26-Jul-94	44 F	878.1
01U357	899.1	03-Aug-94	44 F	878.9
01U357	899.1	10-Aug-94	44 F	880.1
01U357	899.1	17-Aug-94	44 F	881.3
01U357	899.1	26-Aug-94	44 F	882.4
01U357	899.1	01-Sep-94	44 F	878.9
01U357	899.1	06-Sep-94	44 F	879.7
01U357	899.1	08-Sep-94	44 F	879.8
01U357	899.1	22-Sep-94	44 F	881.3
01U357	899.1	27-Sep-94	44 F	882.2
01U358	898.3	10-Mar-94	42 F	886.0
01U358	898.3	26-May-94	43 F	887.1
01U358	898.3	09-Jun-94	43 F	880.2
01U358	898.3	09-Jun-94	43 F	880.0
01U358	898.3	16-Jun-94	43 F	880.4
01U358	898.3	21-Jun-94	43 F	880.4
01U358	898.3	28-Jun-94	43 F	880.2
01U358	898.3	05-Jul-94	44 F	879.2
01U358	898.3	12-Jul-94	44 F	879.3
01U358	898.3	20-Jul-94	44 F	880.1
01U358	898.3	26-Jul-94	44 F	880.4
01U358	898.3	03-Aug-94	44 F	880.5
01U358	898.3	10-Aug-94	44 F	880.9
01U358	898.3	17-Aug-94	44 F	881.1
01U358	898.3	26-Aug-94	44 F	881.1
01U358	898.3	01-Sep-94	44 F	880.7
01U358	898.3	06-Sep-94	44 F	881.2
01U358	898.3	08-Sep-94	44 F	881.3
01U358	898.3	22-Sep-94	44 F	881.4
01U358	898.3	27-Sep-94	44 F	881.7
01U524	909.7	14-Dec-87	16 F	906.7
01U524	909.7	27-Jan-88	17 F	904.8
01U524	909.7	13-Apr-88	18 F	906.7
01U524	909.7	30-Aug-88	19 F	904.7
01U524	909.7	22-Nov-88	20 F	905.9
01U524	909.7	05-Aug-89	23 F	904.6
01U524	909.7	02-Nov-89	24 F	905.0
01U524	909.7	30-Apr-90	26 F	907.6
01U524	909.7	01-Apr-91	30 F	907.2
01U524	909.7	16-Mar-92	34 F	907.3
01U524	909.7	02-Mar-93	38 F	904.9
01U524	909.7	17-Mar-94	42 F	904.5
01U525	942.2	14-Dec-87	16 F	933.6
01U525	942.2	13-Apr-88	18 F	936.6
01U525	942.2	30-Aug-88	19 F	933.9
01U525	942.2	23-Nov-88	20 F	934.2
01U525	942.2	27-Apr-89	22 F	932.4
01U525	942.2	30-Apr-90	26 F	937.6
01U525	942.2	01-Apr-91	30 F	937.5
01U525	942.2	16-Mar-92	34 F	937.0
01U525	942.2	03-Mar-93	38 F	933.6
01U525	942.2	17-Mar-94	42 F	935.3
01U526	938.8	15-Dec-87	16 F	929.6
01U526	938.8	27-Jan-88	17 F	928.7
01U526	938.8	13-Apr-88	18 F	930.0
01U526	938.8	30-Aug-88	19 F	928.9
01U526	938.8	23-Nov-88	20 F	929.2
01U526	938.8	09-May-89	22 F	928.5
01U526	938.8	05-Aug-89	23 F	929.6
01U526	938.8	02-Nov-89	24 F	928.8
01U526	938.8	20-Apr-90	26 F	929.8
01U526	938.8	13-Mar-91	30 F	929.2
01U526	938.8	17-Mar-92	34 F	931.1
01U526	938.8	05-Mar-93	38 F	929.0
01U526	938.8	17-Mar-94	42 F	929.6
01U527	912.2	14-Dec-87	16 F	909.0
01U527	912.2	27-Jan-88	17 F	905.9
01U527	912.2	13-Apr-88	18 F	908.3
01U527	912.2	30-Aug-88	19 F	908.0
01U527	912.2	23-Nov-88	20 F	909.0
01U527	912.2	05-Aug-89	23 F	908.4
01U527	912.2	02-Nov-89	24 F	908.3
01U527	912.2	03-May-90	26 F	909.6
01U527	912.2	01-Apr-91	30 F	909.1
01U527	912.2	16-Mar-92	34 F	909.3
01U527	912.2	02-Mar-93	38 F	906.0
01U527	912.2	17-Mar-94	42 F	908.4
01U601	889.2	15-Dec-87	16 F	883.8
01U601	889.2	27-Jan-88	17 F	883.4
01U601	889.2	14-Apr-88	18 F	884.0
01U601	889.2	30-Aug-88	19 F	883.7
01U601	889.2	06-Dec-88	20 A	883.8
01U601	889.2	29-Mar-89	21 A	884.1
01U601	889.2	07-Jun-89	22 A	883.9
01U601	889.2	04-Aug-89	23 F	883.9
01U601	889.2	08-Sep-89	23 A	883.9
01U601	889.2	03-Nov-89	24 F	883.5
01U601	889.2	03-Jan-90	25 A	882.9
01U601	889.2	07-May-90	26 A	883.7
01U601	889.2	03-Jul-90	27 A	884.2
01U601	889.2	02-Oct-90	29 A	883.9
01U601	889.2	06-Mar-91	30 A	883.3
01U601	889.2	04-Jun-91	31 A	885.1
01U601	889.2	03-Sep-91	32 A	884.0
01U601	889.2	02-Mar-92	34 A	884.8
01U601	889.2	01-Jun-92	35 A	886.8
01U601	889.2	09-Sep-92	36 A	884.3
01U601	889.2	01-Dec-92	37 A	883.9
01U601	889.2	02-Mar-93	38 A	883.3
01U601	889.2	01-Jun-93	39 A	884.3
01U601	889.2	08-Sep-93	40 A	884.4
01U601	889.2	01-Mar-94	42 A	883.5
01U601	889.2	06-Sep-94	44 A	883.5
01U602	889.7	04-Aug-89	23 F	879.5
01U602	889.7	06-Mar-91	30 A	883.2
01U602	889.7	04-Jun-91	31 A	883.8
01U602	889.7	03-Sep-91	32 A	883.3
01U602	889.7	02-Mar-92	34 A	884.0
01U602	889.7	01-Jun-92	35 A	883.8
01U602	889.7	09-Sep-92	36 A	883.8
01U602	889.7	01-Dec-92	37 A	883.3
01U602	889.7	02-Mar-93	38 A	882.7
01U602	889.7	01-Jun-93	39 A	883.2
01U602	889.7	08-Sep-93	40 A	883.9
01U602	889.7	01-Mar-94	42 A	883.2

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U602	889.7	06-Sep-94	44 A	883.1
01U603	884.8	15-Dec-87	16 F	876.6
01U603	884.8	27-Jan-88	17 F	875.7
01U603	884.8	14-Apr-88	18 F	874.9
01U603	884.8	30-Aug-88	19 F	875.1
01U603	884.8	06-Dec-88	20 A	875.9
01U603	884.8	29-Mar-89	21 A	875.7
01U603	884.8	07-Jun-89	22 A	877.2
01U603	884.8	04-Aug-89	23 F	876.7
01U603	884.8	08-Sep-89	23 A	878.0
01U603	884.8	03-Nov-89	24 F	875.7
01U603	884.8	03-Jan-90	25 A	876.2
01U603	884.8	07-May-90	26 A	877.4
01U603	884.8	03-Jul-90	27 A	878.4
01U603	884.8	02-Oct-90	29 A	877.7
01U603	884.8	06-Mar-91	30 A	876.2
01U603	884.8	04-Jun-91	31 A	878.9
01U603	884.8	03-Sep-91	32 A	877.3
01U603	884.8	02-Mar-92	34 A	876.7
01U603	884.8	01-Jun-92	35 A	876.7
01U603	884.8	09-Sep-92	36 A	877.2
01U603	884.8	01-Dec-92	37 A	877.1
01U603	884.8	02-Mar-93	38 A	876.4
01U603	884.8	01-Jun-93	39 A	878.2
01U603	884.8	08-Sep-93	40 A	879.2
01U603	884.8	01-Mar-94	42 A	876.1
01U603	884.8	06-Sep-94	44 A	876.6
01U604	885.5	15-Dec-87	16 F	877.5
01U604	885.5	27-Jan-88	17 F	875.7
01U604	885.5	14-Apr-88	18 F	875.0
01U604	885.5	30-Aug-88	19 F	875.3
01U604	885.5	06-Dec-88	20 A	875.1
01U604	885.5	29-Mar-89	21 A	874.4
01U604	885.5	07-Jun-89	22 A	876.0
01U604	885.5	04-Aug-89	23 F	876.7
01U604	885.5	08-Sep-89	23 A	877.0
01U604	885.5	03-Nov-89	24 F	877.2
01U604	885.5	03-Jan-90	25 A	876.1
01U604	885.5	07-May-90	26 A	876.3
01U604	885.5	03-Jul-90	27 A	877.2
01U604	885.5	02-Oct-90	29 A	876.9
01U604	885.5	06-Mar-91	30 A	876.2
01U604	885.5	04-Jun-91	31 A	877.9
01U604	885.5	03-Sep-91	32 A	876.4
01U604	885.5	02-Mar-92	34 A	876.8
01U604	885.5	01-Jun-92	35 A	877.0
01U604	885.5	09-Sep-92	36 A	876.8
01U604	885.5	01-Dec-92	37 A	876.4
01U604	885.5	02-Mar-93	38 A	876.1
01U604	885.5	01-Jun-93	39 A	877.0
01U604	885.5	08-Sep-93	40 A	878.7
01U604	885.5	01-Mar-94	42 A	876.7
01U604	885.5	06-Sep-94	44 A	875.9
01U605	884.7	15-Dec-87	16 F	875.9
01U605	884.7	14-Apr-88	18 F	876.4
01U605	884.7	30-Aug-88	19 F	876.0
01U605	884.7	06-Dec-88	20 A	875.7
01U605	884.7	29-Mar-89	21 A	Dry
01U605	884.7	07-Jun-89	22 A	877.2
01U605	884.7	04-Aug-89	23 F	877.0
01U605	884.7	08-Sep-89	23 A	876.7
01U605	884.7	03-Nov-89	24 F	875.7
01U605	884.7	03-Jan-90	25 A	Dry
01U605	884.7	07-May-90	26 A	876.2
01U605	884.7	03-Jul-90	27 A	878.3
01U605	884.7	02-Oct-90	29 A	877.4
01U605	884.7	06-Mar-91	30 A	Dry
01U605	884.7	04-Jun-91	31 A	878.8
01U605	884.7	03-Sep-91	32 A	877.5
01U605	884.7	02-Mar-92	34 A	877.7
01U605	884.7	01-Jun-92	35 A	877.9
01U605	884.7	09-Sep-92	36 A	877.5
01U605	884.7	01-Dec-92	37 A	877.3
01U605	884.7	02-Mar-93	38 A	875.6
01U605	884.7	01-Jun-93	39 A	878.4
01U605	884.7	08-Sep-93	40 A	878.4
01U605	884.7	01-Mar-94	42 A	876.3
01U605	884.7	06-Sep-94	44 A	876.7
01U607	888.5	15-Dec-87	16 F	884.2
01U607	888.5	14-Apr-88	18 F	885.1
01U607	888.5	30-Aug-88	19 F	884.5
01U607	888.5	22-Nov-88	20 F	885.4
01U607	888.5	06-Dec-88	20 A	885.1
01U607	888.5	29-Mar-89	21 A	886.9
01U607	888.5	07-Jun-89	22 A	884.6
01U607	888.5	04-Aug-89	23 F	885.7
01U607	888.5	08-Sep-89	23 A	885.8
01U607	888.5	03-Nov-89	24 F	883.4
01U607	888.5	03-Jan-90	25 A	882.2
01U607	888.5	07-May-90	26 A	885.2
01U607	888.5	03-Jul-90	27 A	885.2
01U607	888.5	02-Oct-90	29 A	884.0
01U607	888.5	06-Mar-91	30 A	883.5
01U607	888.5	04-Jun-91	31 A	886.2
01U607	888.5	03-Sep-91	32 A	884.7
01U607	888.5	02-Mar-92	34 A	886.2
01U607	888.5	01-Jun-92	35 A	884.2
01U607	888.5	09-Sep-92	36 A	883.6
01U607	888.5	01-Dec-92	37 A	884.9
01U607	888.5	02-Mar-93	38 A	882.8
01U607	888.5	01-Jun-93	39 A	885.9
01U607	888.5	08-Sep-93	40 A	884.8
01U607	888.5	01-Mar-94	42 A	883.7
01U607	888.5	06-Sep-94	44 A	881.9
01U608	889.7	06-Mar-91	30 A	883.2
01U608	889.7	04-Jun-91	31 A	884.1
01U608	889.7	03-Sep-91	32 A	883.4
01U608	889.7	02-Mar-92	34 A	883.9
01U608	889.7	01-Jun-92	35 A	883.7
01U608	889.7	09-Sep-92	36 A	883.6
01U608	889.7	01-Dec-92	37 A	883.5
01U608	889.7	02-Mar-93	38 A	882.6
01U608	889.7	01-Jun-93	39 A	883.5
01U608	889.7	08-Sep-93	40 A	884.2
01U608	889.7	01-Mar-94	42 A	882.8
01U608	889.7	06-Sep-94	44 A	882.8
01U609	889.7	15-Dec-87	16 F	882.7
01U609	889.7	27-Jan-88	17 F	882.5
01U609	889.7	14-Apr-88	18 F	882.9
01U609	889.7	30-Aug-88	19 F	882.8
01U609	889.7	22-Nov-88	20 F	882.8
01U609	889.7	06-Dec-88	20 A	882.8
01U609	889.7	29-Mar-89	21 A	882.5
01U609	889.7	07-Jun-89	22 A	883.0
01U609	889.7	04-Aug-89	23 F	879.4
01U609	889.7	08-Sep-89	23 A	883.0
01U609	889.7	03-Nov-89	24 F	878.4
01U609	889.7	03-Jan-90	25 A	882.2
01U609	889.7	03-Jul-90	27 A	883.2
01U609	889.7	02-Oct-90	29 A	883.2
01U609	889.7	06-Mar-91	30 A	882.3
01U609	889.7	04-Jun-91	31 A	883.7
01U609	889.7	03-Sep-91	32 A	883.4
01U609	889.7	02-Mar-92	34 A	883.7
01U609	889.7	01-Jun-92	35 A	883.6
01U609	889.7	09-Sep-92	36 A	883.5
01U609	889.7	01-Dec-92	37 A	883.4
01U609	889.7	02-Mar-93	38 A	882.7
01U609	889.7	01-Jun-93	39 A	883.4
01U609	889.7	08-Sep-93	40 A	883.9
01U609	889.7	01-Mar-94	42 A	883.1
01U609	889.7	06-Sep-94	44 A	883.1

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U611	889.7	14-Apr-88	18 F	883.4
01U611	889.7	30-Aug-88	19 F	883.3
01U611	889.7	22-Nov-88	20 F	883.4
01U611	889.7	06-Dec-88	20 A	883.4
01U611	889.7	29-Mar-89	21 A	882.5
01U611	889.7	04-Aug-89	23 F	879.3
01U611	889.7	03-Nov-89	24 F	878.8
01U611	889.7	03-Jan-90	25 A	889.4
01U611	889.7	07-May-90	26 A	883.3
01U611	889.7	03-Jul-90	27 A	883.9
01U611	889.7	02-Oct-90	29 A	883.5
01U611	889.7	06-Mar-91	30 A	883.0
01U611	889.7	04-Jun-91	31 A	884.5
01U611	889.7	03-Sep-91	32 A	883.7
01U611	889.7	02-Mar-92	34 A	884.3
01U611	889.7	01-Jun-92	35 A	883.9
01U611	889.7	09-Sep-92	36 A	884.0
01U611	889.7	02-Mar-93	38 A	883.1
01U611	889.7	01-Jun-93	39 A	883.9
01U611	889.7	08-Sep-93	40 A	884.2
01U611	889.7	01-Mar-94	42 A	883.3
01U611	889.7	06-Sep-94	44 A	883.2
01U612	885.9	15-Dec-87	16 F	878.0
01U612	885.9	27-Jan-88	17 F	877.0
01U612	885.9	14-Apr-88	18 F	876.8
01U612	885.9	30-Aug-88	19 F	876.5
01U612	885.9	22-Nov-88	20 F	876.5
01U612	885.9	06-Dec-88	20 A	877.0
01U612	885.9	29-Mar-89	21 A	Dry
01U612	885.9	04-Aug-89	23 F	877.1
01U612	885.9	08-Sep-89	23 A	877.3
01U612	885.9	03-Jan-90	25 A	Dry
01U612	885.9	07-May-90	26 A	877.3
01U612	885.9	03-Jul-90	27 A	877.7
01U612	885.9	02-Oct-90	29 A	Dry
01U612	885.9	06-Mar-91	30 A	877.2
01U612	885.9	04-Jun-91	31 A	878.3
01U612	885.9	03-Sep-91	32 A	877.3
01U612	885.9	02-Mar-92	34 A	876.6
01U612	885.9	01-Jun-92	35 A	877.3
01U612	885.9	09-Sep-92	36 A	877.1
01U612	885.9	01-Dec-92	37 A	877.2
01U612	885.9	02-Mar-93	38 A	Dry
01U612	885.9	01-Jun-93	39 A	878.2
01U612	885.9	08-Sep-93	40 A	878.7
01U612	885.9	01-Mar-94	42 A	886.9
01U612	885.9	06-Sep-94	44 A	876.9
01U613	888.8	15-Dec-87	16 F	883.5
01U613	888.8	27-Jan-88	17 F	883.7
01U613	888.8	14-Apr-88	18 F	883.8
01U613	888.8	30-Aug-88	19 F	884.0
01U613	888.8	22-Nov-88	20 F	884.3
01U613	888.8	29-Mar-89	21 A	885.3
01U613	888.8	04-Aug-89	23 F	884.6
01U613	888.8	08-Sep-89	23 A	884.5
01U613	888.8	03-Nov-89	24 F	882.8
01U613	888.8	03-Jan-90	25 A	881.8
01U613	888.8	07-May-90	26 A	883.7
01U613	888.8	03-Jul-90	27 A	884.2
01U613	888.8	02-Oct-90	29 A	883.2
01U613	888.8	06-Mar-91	30 A	882.5
01U613	888.8	04-Jun-91	31 A	884.7
01U613	888.8	03-Sep-91	32 A	884.5
01U613	888.8	02-Mar-92	34 A	882.4
01U613	888.8	01-Jun-92	35 A	881.0
01U613	888.8	09-Sep-92	36 A	881.9
01U613	888.8	01-Dec-92	37 A	883.6
01U613	888.8	02-Mar-93	38 A	882.8
01U613	888.8	01-Jun-93	39 A	884.7
01U613	888.8	08-Sep-93	40 A	884.1
01U613	888.8	01-Mar-94	42 A	883.4
01U613	888.8	06-Sep-94	44 A	883.0
01U615	885.9	15-Dec-87	16 F	877.8
01U615	885.9	27-Jan-88	17 F	874.7
01U615	885.9	14-Apr-88	18 F	874.4
01U615	885.9	30-Aug-88	19 F	874.7
01U615	885.9	22-Nov-88	20 F	874.6
01U615	885.9	06-Dec-88	20 A	870.9
01U615	885.9	29-Mar-89	21 A	870.7
01U615	885.9	07-Jun-89	22 A	871.4
01U615	885.9	04-Aug-89	23 F	875.9
01U615	885.9	08-Sep-89	23 A	873.0
01U615	885.9	03-Nov-89	24 F	875.5
01U615	885.9	03-Jan-90	25 A	871.0
01U615	885.9	07-May-90	26 A	871.2
01U615	885.9	03-Jul-90	27 A	872.6
01U615	885.9	02-Oct-90	29 A	873.0
01U615	885.9	06-Mar-91	30 A	871.1
01U615	885.9	04-Jun-91	31 A	873.9
01U615	885.9	03-Sep-91	32 A	872.4
01U615	885.9	02-Mar-92	34 A	876.3
01U615	885.9	01-Jun-92	35 A	876.5
01U615	885.9	09-Sep-92	36 A	875.9
01U615	885.9	01-Dec-92	37 A	876.2
01U615	885.9	02-Mar-93	38 A	875.7
01U615	885.9	01-Jun-93	39 A	876.3
01U615	885.9	08-Sep-93	40 A	878.7
01U615	885.9	01-Mar-94	42 A	874.9
01U615	885.9	06-Sep-94	44 A	875.4
01U616	888.8	15-Dec-87	16 F	880.5
01U616	888.8	27-Jan-88	17 F	879.6
01U616	888.8	14-Apr-88	18 F	878.8
01U616	888.8	30-Aug-88	19 F	879.5
01U616	888.8	22-Nov-88	20 F	878.9
01U616	888.8	06-Dec-88	20 A	879.0
01U616	888.8	29-Mar-89	21 A	877.0
01U616	888.8	07-Jun-89	22 A	878.5
01U616	888.8	04-Aug-89	23 F	880.7
01U616	888.8	08-Sep-89	23 A	879.5
01U616	888.8	03-Nov-89	24 F	879.6
01U616	888.8	03-Jan-90	25 A	878.9
01U616	888.8	07-May-90	26 A	879.1
01U616	888.8	03-Jul-90	27 A	880.8
01U616	888.8	02-Oct-90	29 A	881.4
01U616	888.8	06-Mar-91	30 A	878.8
01U616	888.8	04-Jun-91	31 A	881.9
01U616	888.8	03-Sep-91	32 A	880.7
01U616	888.8	02-Mar-92	34 A	880.8
01U616	888.8	01-Jun-92	35 A	881.1
01U616	888.8	09-Sep-92	36 A	880.6
01U616	888.8	01-Dec-92	37 A	878.6
01U616	888.8	02-Mar-93	38 A	877.3
01U616	888.8	01-Jun-93	39 A	878.8
01U616	888.8	08-Sep-93	40 A	880.8
01U616	888.8	01-Mar-94	42 A	877.4
01U616	888.8	06-Sep-94	44 A	877.9
01U617	885.2	15-Dec-87	16 F	877.5
01U617	885.2	27-Jan-88	17 F	875.2
01U617	885.2	14-Apr-88	18 F	875.0
01U617	885.2	30-Aug-88	19 F	875.3
01U617	885.2	22-Nov-88	20 F	875.2
01U617	885.2	06-Dec-88	20 A	875.2
01U617	885.2	29-Mar-89	21 A	874.7
01U617	885.2	07-Jun-89	22 A	876.0
01U617	885.2	04-Aug-89	23 F	876.5
01U617	885.2	08-Sep-89	23 A	877.1
01U617	885.2	03-Nov-89	24 F	875.9
01U617	885.2	03-Jan-90	25 A	875.2
01U617	885.2	07-May-90	26 A	875.6
01U617	885.2	03-Jul-90	27 A	877.2
01U617	885.2	02-Oct-90	29 A	877.2
01U617	885.2	06-Mar-91	30 A	875.4
01U617	885.2	04-Jun-91	31 A	878.2

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U617	885.2	03-Sep-91	32 A	876.8
01U617	885.2	02-Mar-92	34 A	876.7
01U617	885.2	01-Jun-92	35 A	877.1
01U617	885.2	09-Sep-92	36 A	876.6
01U617	885.2	01-Dec-92	37 A	876.7
01U617	885.2	02-Mar-93	38 A	875.9
01U617	885.2	01-Jun-93	39 A	877.1
01U617	885.2	08-Sep-93	40 A	879.0
01U617	885.2	01-Mar-94	42 A	875.4
01U617	885.2	06-Sep-94	44 A	876.0
01U618	887.1	15-Dec-87	16 F	877.1
01U618	887.1	27-Jan-88	17 F	875.9
01U618	887.1	14-Apr-88	18 F	875.5
01U618	887.1	30-Aug-88	19 F	876.2
01U618	887.1	22-Nov-88	20 F	875.6
01U618	887.1	06-Dec-88	20 A	875.6
01U618	887.1	29-Mar-89	21 A	875.4
01U618	887.1	07-Jun-89	22 A	876.9
01U618	887.1	04-Aug-89	23 F	877.5
01U618	887.1	08-Sep-89	23 A	878.0
01U618	887.1	03-Nov-89	24 F	876.2
01U618	887.1	03-Jan-90	25 A	875.4
01U618	887.1	07-May-90	26 A	875.7
01U618	887.1	03-Jul-90	27 A	877.7
01U618	887.1	02-Oct-90	29 A	878.0
01U618	887.1	06-Mar-91	30 A	875.3
01U618	887.1	04-Jun-91	31 A	879.1
01U618	887.1	03-Sep-91	32 A	879.2
01U618	887.1	02-Mar-92	34 A	879.1
01U618	887.1	01-Jun-92	35 A	879.4
01U618	887.1	09-Sep-92	36 A	878.9
01U618	887.1	01-Dec-92	37 A	879.0
01U618	887.1	02-Mar-93	38 A	877.5
01U618	887.1	01-Jun-93	39 A	879.3
01U618	887.1	08-Sep-93	40 A	881.1
01U618	887.1	01-Mar-94	42 A	874.7
01U618	887.1	06-Sep-94	44 A	875.3
01U619	889.1	15-Dec-87	16 F	882.0
01U619	889.1	27-Jan-88	17 F	881.7
01U619	889.1	14-Apr-88	18 F	882.3
01U619	889.1	30-Aug-88	19 F	882.6
01U619	889.1	23-Nov-88	20 F	882.4
01U619	889.1	06-Dec-88	20 A	882.4
01U619	889.1	29-Mar-89	21 A	882.4
01U619	889.1	07-Jun-89	22 A	883.1
01U619	889.1	04-Aug-89	23 F	882.7
01U619	889.1	08-Sep-89	23 A	883.0
01U619	889.1	03-Nov-89	24 F	882.0
01U619	889.1	03-Jan-90	25 A	881.3
01U619	889.1	07-May-90	26 A	882.0
01U619	889.1	03-Jul-90	27 A	883.2
01U619	889.1	02-Oct-90	29 A	883.0
01U619	889.1	06-Mar-91	30 A	881.4
01U619	889.1	04-Jun-91	31 A	884.5
01U619	889.1	03-Sep-91	32 A	882.9
01U619	889.1	02-Mar-92	34 A	883.3
01U619	889.1	01-Jun-92	35 A	882.9
01U619	889.1	09-Sep-92	36 A	882.8
01U619	889.1	01-Dec-92	37 A	883.1
01U619	889.1	02-Mar-93	38 A	881.6
01U619	889.1	01-Jun-93	39 A	883.4
01U619	889.1	08-Sep-93	40 A	884.0
01U619	889.1	01-Mar-94	42 A	882.2
01U619	889.1	06-Sep-94	44 A	882.5
01U620	888.8	15-Dec-87	16 F	879.8
01U620	888.8	27-Jan-88	17 F	877.9
01U620	888.8	14-Apr-88	18 F	877.5
01U620	888.8	30-Aug-88	19 F	878.1
01U620	888.8	06-Dec-88	20 A	877.7
01U620	888.8	29-Mar-89	21 A	877.3
01U620	888.8	07-Jun-89	22 A	878.8
01U620	888.8	04-Aug-89	23 F	879.5
01U620	888.8	08-Sep-89	23 A	880.1
01U620	888.8	03-Nov-89	24 F	878.5
01U620	888.8	03-Jan-90	25 A	877.6
01U620	888.8	07-May-90	26 A	877.8
01U620	888.8	03-Jul-90	27 A	879.7
01U620	888.8	02-Oct-90	29 A	880.1
01U620	888.8	06-Mar-91	30 A	877.5
01U620	888.8	04-Jun-91	31 A	881.1
01U620	888.8	03-Sep-91	32 A	877.6
01U620	888.8	02-Mar-92	34 A	877.5
01U620	888.8	01-Jun-92	35 A	877.8
01U620	888.8	09-Sep-92	36 A	877.3
01U620	888.8	01-Dec-92	37 A	878.0
01U620	888.8	02-Mar-93	38 A	876.8
01U620	888.8	01-Jun-93	39 A	878.2
01U620	888.8	08-Sep-93	40 A	880.3
01U620	888.8	01-Mar-94	42 A	879.4
01U620	888.8	06-Sep-94	44 A	880.0
01U621	884.5	15-Dec-87	16 F	877.8
01U621	884.5	27-Jan-88	17 F	876.0
01U621	884.5	14-Apr-88	18 F	875.8
01U621	884.5	30-Aug-88	19 F	876.1
01U621	884.5	23-Nov-88	20 F	875.9
01U621	884.5	06-Dec-88	20 A	875.9
01U621	884.5	29-Mar-89	21 A	875.3
01U621	884.5	07-Jun-89	22 A	876.9
01U621	884.5	04-Aug-89	23 F	877.4
01U621	884.5	08-Sep-89	23 A	876.9
01U621	884.5	03-Nov-89	24 F	876.6
01U621	884.5	03-Jan-90	25 A	875.7
01U621	884.5	07-May-90	26 A	846.3
01U621	884.5	03-Jul-90	27 A	878.1
01U621	884.5	02-Oct-90	29 A	878.1
01U621	884.5	06-Mar-91	30 A	875.9
01U621	884.5	04-Jun-91	31 A	879.2
01U621	884.5	03-Sep-91	32 A	877.7
01U621	884.5	02-Mar-92	34 A	877.4
01U621	884.5	01-Jun-92	35 A	877.8
01U621	884.5	09-Sep-92	36 A	877.3
01U621	884.5	01-Dec-92	37 A	877.6
01U621	884.5	02-Mar-93	38 A	876.5
01U621	884.5	01-Jun-93	39 A	878.1
01U621	884.5	08-Sep-93	40 A	879.8
01U621	884.5	01-Mar-94	42 A	876.2
01U621	884.5	06-Sep-94	44 A	876.9
01U622	889.7	06-Mar-91	30 A	Dry
01U622	889.7	04-Jun-91	31 A	882.5
01U622	889.7	03-Sep-91	32 A	882.5
01U622	889.7	02-Mar-92	34 A	880.5
01U622	889.7	01-Jun-92	35 A	Dry
01U622	889.7	09-Sep-92	36 A	Dry
01U622	889.7	01-Dec-92	37 A	Dry
01U622	889.7	02-Mar-93	38 A	Dry
01U622	889.7	01-Jun-93	39 A	Dry
01U622	889.7	01-Mar-94	42 A	Obstructed
01U622	889.7	06-Sep-94	44 A	Obstructed
01U623	889.7	15-Dec-87	16 F	877.6
01U623	889.7	27-Jan-88	17 F	877.5
01U623	889.7	14-Apr-88	18 F	876.0
01U623	889.7	30-Aug-88	19 F	876.2
01U623	889.7	23-Nov-88	20 F	876.2
01U623	889.7	06-Dec-88	20 A	875.7
01U623	889.7	29-Mar-89	21 A	875.5
01U623	889.7	07-Jun-89	22 A	876.2
01U623	889.7	08-Sep-89	23 A	876.9
01U623	889.7	03-Nov-89	24 F	879.6
01U623	889.7	03-Jan-90	25 A	875.9
01U623	889.7	07-May-90	26 A	875.8
01U623	889.7	03-Jul-90	27 A	876.6
01U623	889.7	02-Oct-90	29 A	877.5

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U623	889.7	06-Mar-91	30 A	875.8
01U623	889.7	04-Jun-91	31 A	876.8
01U623	889.7	03-Sep-91	32 A	877.1
01U623	889.7	02-Mar-92	34 A	878.3
01U623	889.7	01-Jun-92	35 A	878.5
01U623	889.7	09-Sep-92	36 A	877.9
01U623	889.7	01-Dec-92	37 A	877.0
01U623	889.7	02-Mar-93	38 A	876.3
01U623	889.7	01-Jun-93	39 A	877.0
01U623	889.7	08-Sep-93	40 A	879.1
01U623	889.7	01-Mar-94	42 A	Obstructed
01U623	889.7	06-Sep-94	44 A	Obstructed
01U624A	886.6	06-Dec-88	20 A	Dry
01U624A	886.6	29-Mar-89	21 A	Dry
01U624A	886.6	07-Jun-89	22 A	Dry
01U624A	886.6	08-Sep-89	23 A	886.6
01U624A	886.6	21-Nov-89	24 A	Dry
01U624A	886.6	03-Jan-90	25 A	Dry
01U624A	886.6	07-May-90	26 A	Dry
01U624A	886.6	03-Jul-90	27 A	886.1
01U624A	886.6	02-Oct-90	29 A	886.6
01U624A	886.6	06-Mar-91	30 A	Dry
01U624A	886.6	04-Jun-91	31 A	887.4
01U624A	886.6	03-Sep-91	32 A	885.9
01U624A	886.6	02-Mar-92	34 A	877.2
01U624A	886.6	01-Jun-92	35 A	877.5
01U624A	886.6	09-Sep-92	36 A	876.9
01U624A	886.6	01-Dec-92	37 A	877.6
01U624A	886.6	02-Mar-93	38 A	Dry
01U624A	886.6	01-Jun-93	39 A	877.8
01U624A	886.6	08-Sep-93	40 A	880.0
01U624A	886.6	01-Mar-94	42 A	Dry
01U624A	886.6	06-Sep-94	44 A	Dry
01U624B	886.6	28-Jan-88	17 F	876.1
01U624B	886.6	14-Apr-88	18 F	875.6
01U624B	886.6	30-Aug-88	19 F	876.2
01U624B	886.6	23-Nov-88	20 F	877.7
01U624B	886.6	06-Dec-88	20 A	884.2
01U624B	886.6	29-Mar-89	21 A	883.8
01U624B	886.6	07-Jun-89	22 A	885.1
01U624B	886.6	04-Aug-89	23 F	877.5
01U624B	886.6	08-Sep-89	23 A	886.5
01U624B	886.6	03-Nov-89	24 F	876.6
01U624B	886.6	21-Nov-89	24 A	884.8
01U624B	886.6	03-Jan-90	25 A	884.1
01U624B	886.6	07-May-90	26 A	884.3
01U624B	886.6	03-Jul-90	27 A	886.1
01U624B	886.6	02-Oct-90	29 A	886.5
01U624B	886.6	06-Mar-91	30 A	884.1
01U624B	886.6	04-Jun-91	31 A	887.4
01U624B	886.6	03-Sep-91	32 A	885.9
01U624B	886.6	02-Mar-92	34 A	877.2
01U624B	886.6	01-Jun-92	35 A	877.5
01U624B	886.6	09-Sep-92	36 A	876.9
01U624B	886.6	01-Dec-92	37 A	877.6
01U624B	886.6	02-Mar-93	38 A	876.5
01U624B	886.6	01-Jun-93	39 A	877.8
01U624B	886.6	08-Sep-93	40 A	880.0
01U624B	886.6	01-Mar-94	42 A	876.2
01U624B	886.6	06-Sep-94	44 A	876.8
01U624C	886.6	28-Jan-88	17 F	876.0
01U624C	886.6	14-Apr-88	18 F	875.6
01U624C	886.6	30-Aug-88	19 F	876.2
01U624C	886.6	23-Nov-88	20 F	877.2
01U624C	886.6	06-Dec-88	20 A	884.2
01U624C	886.6	29-Mar-89	21 A	883.8
01U624C	886.6	07-Jun-89	22 A	885.1
01U624C	886.6	04-Aug-89	23 F	877.5
01U624C	886.6	08-Sep-89	23 A	886.5
01U624C	886.6	03-Nov-89	24 F	876.6
01U624C	886.6	21-Nov-89	24 A	884.8
01U624C	886.6	03-Jan-90	25 A	884.1
01U624C	886.6	07-May-90	26 A	884.3
01U624C	886.6	03-Jul-90	27 A	886.1
01U624C	886.6	02-Oct-90	29 A	886.5
01U624C	886.6	06-Mar-91	30 A	884.1
01U624C	886.6	04-Jun-91	31 A	887.3
01U624C	886.6	03-Sep-91	32 A	885.9
01U624C	886.6	02-Mar-92	34 A	877.2
01U624C	886.6	01-Jun-92	35 A	877.5
01U624C	886.6	09-Sep-92	36 A	876.9
01U624C	886.6	01-Dec-92	37 A	877.6
01U624C	886.6	02-Mar-93	38 A	876.6
01U624C	886.6	01-Jun-93	39 A	877.8
01U624C	886.6	08-Sep-93	40 A	880.0
01U624C	886.6	01-Mar-94	42 A	876.2
01U624C	886.6	06-Sep-94	44 A	876.8
01U624D	886.6	28-Jan-88	17 F	876.1
01U624D	886.6	14-Apr-88	18 F	875.6
01U624D	886.6	30-Aug-88	19 F	876.2
01U624D	886.6	23-Nov-88	20 F	877.6
01U624D	886.6	06-Dec-88	20 A	884.2
01U624D	886.6	29-Mar-89	21 A	883.8
01U624D	886.6	07-Jun-89	22 A	885.2
01U624D	886.6	04-Aug-89	23 F	877.5
01U624D	886.6	08-Sep-89	23 A	886.5
01U624D	886.6	03-Nov-89	24 F	876.6
01U624D	886.6	21-Nov-89	24 A	884.8
01U624D	886.6	03-Jan-90	25 A	884.1
01U624D	886.6	07-May-90	26 A	884.4
01U624D	886.6	03-Jul-90	27 A	886.1
01U624D	886.6	02-Oct-90	29 A	886.5
01U624D	886.6	06-Mar-91	30 A	884.1
01U624D	886.6	04-Jun-91	31 A	887.3
01U624D	886.6	03-Sep-91	32 A	885.9
01U624D	886.6	02-Mar-92	34 A	877.2
01U624D	886.6	01-Jun-92	35 A	877.5
01U624D	886.6	09-Sep-92	36 A	876.9
01U624D	886.6	01-Dec-92	37 A	877.6
01U624D	886.6	02-Mar-93	38 A	876.6
01U624D	886.6	01-Jun-93	39 A	877.8
01U624D	886.6	08-Sep-93	40 A	880.0
01U624D	886.6	01-Mar-94	42 A	876.2
01U624D	886.6	06-Sep-94	44 A	876.8
01U625A	885.5	28-Jan-88	17 F	875.0
01U625A	885.5	14-Apr-88	18 F	874.8
01U625A	885.5	30-Aug-88	19 F	875.1
01U625A	885.5	23-Nov-88	20 F	876.5
01U625A	885.5	06-Dec-88	20 A	884.1
01U625A	885.5	29-Mar-89	21 A	883.0
01U625A	885.5	07-Jun-89	22 A	884.0
01U625A	885.5	04-Aug-89	23 F	876.4
01U625A	885.5	08-Sep-89	23 A	885.5
01U625A	885.5	03-Nov-89	24 F	875.9
01U625A	885.5	21-Nov-89	24 A	884.8
01U625A	885.5	03-Jan-90	25 A	884.2
01U625A	885.5	07-May-90	26 A	884.4
01U625A	885.5	03-Jul-90	27 A	885.9
01U625A	885.5	02-Oct-90	29 A	886.3
01U625A	885.5	06-Mar-91	30 A	884.2
01U625A	885.5	04-Jun-91	31 A	887.2
01U625A	885.5	03-Sep-91	32 A	885.7
01U625A	885.5	02-Mar-92	34 A	878.1
01U625A	885.5	01-Jun-92	35 A	878.4
01U625A	885.5	09-Sep-92	36 A	877.8
01U625A	885.5	01-Dec-92	37 A	876.9
01U625A	885.5	02-Mar-93	38 A	876.2
01U625A	885.5	01-Jun-93	39 A	877.0
01U625A	885.5	08-Sep-93	40 A	879.3
01U625A	885.5	01-Mar-94	42 A	875.4
01U625A	885.5	06-Sep-94	44 A	876.0
01U625B	885.5	28-Jan-88	17 F	874.9

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U625B	885.5	14-Apr-88	18 F	874.7
01U625B	885.5	30-Aug-88	19 F	875.1
01U625B	885.5	23-Nov-88	20 F	876.1
01U625B	885.5	06-Dec-88	20 A	884.1
01U625B	885.5	29-Mar-89	21 A	882.3
01U625B	885.5	07-Jun-89	22 A	883.2
01U625B	885.5	04-Aug-89	23 F	876.4
01U625B	885.5	08-Sep-89	23 A	884.8
01U625B	885.5	03-Nov-89	24 F	875.9
01U625B	885.5	21-Nov-89	24 A	884.8
01U625B	885.5	03-Jan-90	25 A	884.1
01U625B	885.5	07-May-90	26 A	884.3
01U625B	885.5	03-Jul-90	27 A	885.9
01U625B	885.5	02-Oct-90	29 A	886.3
01U625B	885.5	06-Mar-91	30 A	884.2
01U625B	885.5	04-Jun-91	31 A	887.2
01U625B	885.5	03-Sep-91	32 A	885.7
01U625B	885.5	02-Mar-92	34 A	878.2
01U625B	885.5	01-Jun-92	35 A	878.4
01U625B	885.5	09-Sep-92	36 A	877.7
01U625B	885.5	01-Dec-92	37 A	876.8
01U625B	885.5	02-Mar-93	38 A	876.2
01U625B	885.5	01-Jun-93	39 A	877.0
01U625B	885.5	08-Sep-93	40 A	879.3
01U625B	885.5	01-Mar-94	42 A	875.4
01U625B	885.5	06-Sep-94	44 A	876.0
01U625C	885.5	28-Jan-88	17 F	874.9
01U625C	885.5	14-Apr-88	18 F	874.8
01U625C	885.5	30-Aug-88	19 F	875.1
01U625C	885.5	23-Nov-88	20 F	876.1
01U625C	885.5	06-Dec-88	20 A	884.1
01U625C	885.5	29-Mar-89	21 A	882.2
01U625C	885.5	07-Jun-89	22 A	883.2
01U625C	885.5	04-Aug-89	23 F	876.4
01U625C	885.5	08-Sep-89	23 A	885.5
01U625C	885.5	03-Nov-89	24 F	875.9
01U625C	885.5	21-Nov-89	24 A	884.8
01U625C	885.5	03-Jan-90	25 A	884.1
01U625C	885.5	07-May-90	26 A	884.3
01U625C	885.5	03-Jul-90	27 A	885.9
01U625C	885.5	02-Oct-90	29 A	886.3
01U625C	885.5	06-Mar-91	30 A	884.2
01U625C	885.5	04-Jun-91	31 A	887.2
01U625C	885.5	03-Sep-91	32 A	885.7
01U625C	885.5	02-Mar-92	34 A	878.2
01U625C	885.5	01-Jun-92	35 A	878.4
01U625C	885.5	09-Sep-92	36 A	877.7
01U625C	885.5	01-Dec-92	37 A	876.8
01U625C	885.5	02-Mar-93	38 A	876.2
01U625C	885.5	01-Jun-93	39 A	877.0
01U625C	885.5	08-Sep-93	40 A	879.3
01U625C	885.5	01-Mar-94	42 A	875.4
01U625C	885.5	06-Sep-94	44 A	876.0
01U625D	885.5	28-Jan-88	17 F	874.9
01U625D	885.5	14-Apr-88	18 F	874.7
01U625D	885.5	30-Aug-88	19 F	875.1
01U625D	885.5	23-Nov-88	20 F	876.1
01U625D	885.5	06-Dec-88	20 A	884.1
01U625D	885.5	29-Mar-89	21 A	882.3
01U625D	885.5	07-Jun-89	22 A	883.2
01U625D	885.5	04-Aug-89	23 F	876.4
01U625D	885.5	08-Sep-89	23 A	884.8
01U625D	885.5	03-Nov-89	24 F	875.9
01U625D	885.5	21-Nov-89	24 A	884.8
01U625D	885.5	03-Jan-90	25 A	884.1
01U625D	885.5	07-May-90	26 A	884.3
01U625D	885.5	03-Jul-90	27 A	885.9
01U625D	885.5	02-Oct-90	29 A	886.3
01U625D	885.5	06-Mar-91	30 A	884.2
01U625D	885.5	04-Jun-91	31 A	887.2
01U625D	885.5	03-Sep-91	32 A	885.7
01U625D	885.5	02-Mar-92	34 A	878.2
01U625D	885.5	01-Jun-92	35 A	878.4
01U625D	885.5	09-Sep-92	36 A	877.7
01U625D	885.5	01-Dec-92	37 A	876.9
01U625D	885.5	02-Mar-93	38 A	876.2
01U625D	885.5	01-Jun-93	39 A	877.0
01U625D	885.5	08-Sep-93	40 A	879.3
01U625D	885.5	01-Mar-94	42 A	875.4
01U625D	885.5	06-Sep-94	44 A	876.0
01U626A	885.3	27-Jan-88	17 F	874.6
01U626A	885.3	14-Apr-88	18 F	874.1
01U626A	885.3	30-Aug-88	19 F	874.4
01U626A	885.3	23-Nov-88	20 F	875.7
01U626A	885.3	06-Dec-88	20 A	883.8
01U626A	885.3	29-Mar-89	21 A	882.4
01U626A	885.3	07-Jun-89	22 A	883.8
01U626A	885.3	04-Aug-89	23 F	876.3
01U626A	885.3	08-Sep-89	23 A	885.2
01U626A	885.3	03-Nov-89	24 F	875.9
01U626A	885.3	21-Nov-89	24 A	885.2
01U626A	885.3	03-Jan-90	25 A	885.0
01U626A	885.3	07-May-90	26 A	885.4
01U626A	885.3	03-Jul-90	27 A	886.2
01U626A	885.3	02-Oct-90	29 A	886.3
01U626A	885.3	06-Mar-91	30 A	885.3
01U626A	885.3	04-Jun-91	31 A	887.2
01U626A	885.3	03-Sep-91	32 A	885.8
01U626A	885.3	02-Mar-92	34 A	877.6
01U626A	885.3	01-Jun-92	35 A	877.7
01U626A	885.3	09-Sep-92	36 A	877.2
01U626A	885.3	01-Dec-92	37 A	876.6
01U626A	885.3	02-Mar-93	38 A	876.6
01U626A	885.3	01-Jun-93	39 A	876.9
01U626A	885.3	08-Sep-93	40 A	878.9
01U626A	885.3	01-Mar-94	42 A	875.4
01U626A	885.3	06-Sep-94	44 A	876.0
01U626B	885.3	27-Jan-88	17 F	874.2
01U626B	885.3	14-Apr-88	18 F	874.1
01U626B	885.3	30-Aug-88	19 F	874.4
01U626B	885.3	23-Nov-88	20 F	875.0
01U626B	885.3	06-Dec-88	20 A	883.9
01U626B	885.3	29-Mar-89	21 A	882.6
01U626B	885.3	07-Jun-89	22 A	883.5
01U626B	885.3	04-Aug-89	23 F	875.8
01U626B	885.3	08-Sep-89	23 A	885.1
01U626B	885.3	03-Nov-89	24 F	875.4
01U626B	885.3	21-Nov-89	24 A	884.8
01U626B	885.3	03-Jan-90	25 A	884.1
01U626B	885.3	07-May-90	26 A	884.3
01U626B	885.3	03-Jul-90	27 A	885.9
01U626B	885.3	02-Oct-90	29 A	886.1
01U626B	885.3	06-Mar-91	30 A	884.3
01U626B	885.3	04-Jun-91	31 A	887.2
01U626B	885.3	03-Sep-91	32 A	885.6
01U626B	885.3	02-Mar-92	34 A	877.4
01U626B	885.3	01-Jun-92	35 A	877.5
01U626B	885.3	09-Sep-92	36 A	876.9
01U626B	885.3	01-Dec-92	37 A	876.5
01U626B	885.3	02-Mar-93	38 A	876.0
01U626B	885.3	01-Jun-93	39 A	876.6
01U626B	885.3	08-Sep-93	40 A	878.9
01U626B	885.3	01-Mar-94	42 A	875.1
01U626B	885.3	06-Sep-94	44 A	875.6
01U626C	885.3	27-Jan-88	17 F	874.3
01U626C	885.3	14-Apr-88	18 F	874.2
01U626C	885.3	30-Aug-88	19 F	874.5
01U626C	885.3	23-Nov-88	20 F	875.0
01U626C	885.3	06-Dec-88	20 A	884.0
01U626C	885.3	29-Mar-89	21 A	882.7
01U626C	885.3	07-Jun-89	22 A	883.6
01U626C	885.3	04-Aug-89	23 F	875.9
01U626C	885.3	08-Sep-89	23 A	885.2

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U626C	885.3	03-Nov-89	24 F	875.4
01U626C	885.3	21-Nov-89	24 A	884.9
01U626C	885.3	03-Jan-90	25 A	884.1
01U626C	885.3	07-May-90	26 A	884.3
01U626C	885.3	03-Jul-90	27 A	885.9
01U626C	885.3	02-Oct-90	29 A	886.2
01U626C	885.3	06-Mar-91	30 A	884.3
01U626C	885.3	04-Jun-91	31 A	887.2
01U626C	885.3	03-Sep-91	32 A	885.7
01U626C	885.3	02-Mar-92	34 A	877.4
01U626C	885.3	01-Jun-92	35 A	877.6
01U626C	885.3	09-Sep-92	36 A	876.9
01U626C	885.3	01-Dec-92	37 A	876.6
01U626C	885.3	02-Mar-93	38 A	876.0
01U626C	885.3	01-Jun-93	39 A	876.7
01U626C	885.3	08-Sep-93	40 A	879.0
01U626C	885.3	01-Mar-94	42 A	875.1
01U626C	885.3	06-Sep-94	44 A	875.7
01U626D	885.3	27-Jan-88	17 F	874.4
01U626D	885.3	14-Apr-88	18 F	874.3
01U626D	885.3	30-Aug-88	19 F	874.5
01U626D	885.3	23-Nov-88	20 F	875.6
01U626D	885.3	06-Dec-88	20 A	884.1
01U626D	885.3	29-Mar-89	21 A	882.7
01U626D	885.3	07-Jun-89	22 A	883.6
01U626D	885.3	04-Aug-89	23 F	875.9
01U626D	885.3	08-Sep-89	23 A	885.2
01U626D	885.3	03-Nov-89	24 F	875.5
01U626D	885.3	21-Nov-89	24 A	884.9
01U626D	885.3	03-Jan-90	25 A	884.2
01U626D	885.3	07-May-90	26 A	884.4
01U626D	885.3	03-Jul-90	27 A	886.0
01U626D	885.3	02-Oct-90	29 A	886.3
01U626D	885.3	06-Mar-91	30 A	884.3
01U626D	885.3	04-Jun-91	31 A	887.3
01U626D	885.3	03-Sep-91	32 A	885.7
01U626D	885.3	02-Mar-92	34 A	877.5
01U626D	885.3	01-Jun-92	35 A	877.6
01U626D	885.3	09-Sep-92	36 A	876.9
01U626D	885.3	01-Dec-92	37 A	876.6
01U626D	885.3	02-Mar-93	38 A	876.0
01U626D	885.3	01-Jun-93	39 A	876.7
01U626D	885.3	08-Sep-93	40 A	879.0
01U626D	885.3	01-Mar-94	42 A	875.2
01U626D	885.3	06-Sep-94	44 A	875.7
01U627A	884.9	27-Jan-88	17 F	875.8
01U627A	884.9	14-Apr-88	18 F	875.4
01U627A	884.9	30-Aug-88	19 F	875.6
01U627A	884.9	23-Nov-88	20 F	876.5
01U627A	884.9	06-Dec-88	20 A	884.4
01U627A	884.9	29-Mar-89	21 A	882.5
01U627A	884.9	07-Jun-89	22 A	884.6
01U627A	884.9	04-Aug-89	23 F	877.6
01U627A	884.9	08-Sep-89	23 A	885.6
01U627A	884.9	03-Nov-89	24 F	877.0
01U627A	884.9	21-Nov-89	24 A	885.9
01U627A	884.9	03-Jan-90	25 A	886.2
01U627A	884.9	07-May-90	26 A	886.5
01U627A	884.9	03-Jul-90	27 A	886.8
01U627A	884.9	02-Oct-90	29 A	886.7
01U627A	884.9	06-Mar-91	30 A	886.6
01U627A	884.9	04-Jun-91	31 A	887.5
01U627A	884.9	03-Sep-91	32 A	886.4
01U627A	884.9	02-Mar-92	34 A	878.2
01U627A	884.9	01-Jun-92	35 A	878.6
01U627A	884.9	09-Sep-92	36 A	878.2
01U627A	884.9	01-Dec-92	37 A	877.3
01U627A	884.9	02-Mar-93	38 A	877.3
01U627A	884.9	01-Jun-93	39 A	877.9
01U627A	884.9	08-Sep-93	40 A	879.3
01U627A	884.9	01-Mar-94	42 A	876.4
01U627A	884.9	06-Sep-94	44 A	877.1
01U627B	884.9	27-Jan-88	17 F	874.8
01U627B	884.9	14-Apr-88	18 F	874.7
01U627B	884.9	30-Aug-88	19 F	874.9
01U627B	884.9	23-Nov-88	20 F	876.5
01U627B	884.9	06-Dec-88	20 A	883.9
01U627B	884.9	29-Mar-89	21 A	882.5
01U627B	884.9	07-Jun-89	22 A	883.5
01U627B	884.9	04-Aug-89	23 F	876.3
01U627B	884.9	08-Sep-89	23 A	885.0
01U627B	884.9	03-Nov-89	24 F	875.7
01U627B	884.9	21-Nov-89	24 A	884.8
01U627B	884.9	03-Jan-90	25 A	884.0
01U627B	884.9	07-May-90	26 A	884.3
01U627B	884.9	03-Jul-90	27 A	885.9
01U627B	884.9	02-Oct-90	29 A	886.1
01U627B	884.9	06-Mar-91	30 A	884.2
01U627B	884.9	04-Jun-91	31 A	887.1
01U627B	884.9	03-Sep-91	32 A	885.6
01U627B	884.9	02-Mar-92	34 A	877.6
01U627B	884.9	01-Jun-92	35 A	877.8
01U627B	884.9	09-Sep-92	36 A	877.2
01U627B	884.9	01-Dec-92	37 A	876.8
01U627B	884.9	02-Mar-93	38 A	876.1
01U627B	884.9	01-Jun-93	39 A	877.0
01U627B	884.9	08-Sep-93	40 A	879.1
01U627B	884.9	01-Mar-94	42 A	875.4
01U627B	884.9	06-Sep-94	44 A	875.9
01U627C	884.9	27-Jan-88	17 F	874.8
01U627C	884.9	14-Apr-88	18 F	874.6
01U627C	884.9	30-Aug-88	19 F	874.9
01U627C	884.9	23-Nov-88	20 F	876.3
01U627C	884.9	06-Dec-88	20 A	883.8
01U627C	884.9	29-Mar-89	21 A	882.5
01U627C	884.9	07-Jun-89	22 A	883.4
01U627C	884.9	04-Aug-89	23 F	876.2
01U627C	884.9	08-Sep-89	23 A	884.9
01U627C	884.9	03-Nov-89	24 F	875.7
01U627C	884.9	21-Nov-89	24 A	884.7
01U627C	884.9	03-Jan-90	25 A	883.9
01U627C	884.9	07-May-90	26 A	884.2
01U627C	884.9	03-Jul-90	27 A	885.8
01U627C	884.9	02-Oct-90	29 A	886.0
01U627C	884.9	06-Mar-91	30 A	884.1
01U627C	884.9	04-Jun-91	31 A	887.0
01U627C	884.9	03-Sep-91	32 A	885.5
01U627C	884.9	02-Mar-92	34 A	877.5
01U627C	884.9	01-Jun-92	35 A	877.8
01U627C	884.9	09-Sep-92	36 A	877.1
01U627C	884.9	01-Dec-92	37 A	876.7
01U627C	884.9	02-Mar-93	38 A	876.1
01U627C	884.9	01-Jun-93	39 A	876.9
01U627C	884.9	08-Sep-93	40 A	879.1
01U627C	884.9	01-Mar-94	42 A	875.3
01U627C	884.9	06-Sep-94	44 A	875.8
01U627D	884.9	27-Jan-88	17 F	874.8
01U627D	884.9	14-Apr-88	18 F	874.6
01U627D	884.9	30-Aug-88	19 F	874.9
01U627D	884.9	23-Nov-88	20 F	875.2
01U627D	884.9	06-Dec-88	20 A	883.9
01U627D	884.9	29-Mar-89	21 A	882.4
01U627D	884.9	07-Jun-89	22 A	883.5
01U627D	884.9	04-Aug-89	23 F	876.2
01U627D	884.9	08-Sep-89	23 A	884.9
01U627D	884.9	03-Nov-89	24 F	875.7
01U627D	884.9	21-Nov-89	24 A	884.6
01U627D	884.9	03-Jan-90	25 A	884.0
01U627D	884.9	07-May-90	26 A	884.2
01U627D	884.9	03-Jul-90	27 A	885.8
01U627D	884.9	02-Oct-90	29 A	886.0
01U627D	884.9	06-Mar-91	30 A	884.1
01U627D	884.9	04-Jun-91	31 A	887.0

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U627D	884.9	03-Sep-91	32 A	885.5
01U627D	884.9	02-Mar-92	34 A	877.5
01U627D	884.9	01-Jun-92	35 A	877.8
01U627D	884.9	09-Sep-92	36 A	877.1
01U627D	884.9	01-Dec-92	37 A	876.7
01U627D	884.9	02-Mar-93	38 A	876.1
01U627D	884.9	01-Jun-93	39 A	876.9
01U627D	884.9	08-Sep-93	40 A	879.1
01U627D	884.9	01-Mar-94	42 A	875.3
01U627D	884.9	06-Sep-94	44 A	875.9
01U628A	877.8	27-Jan-88	17 F	868.1
01U628A	877.8	14-Apr-88	18 F	868.0
01U628A	877.8	30-Aug-88	19 F	868.2
01U628A	877.8	23-Nov-88	20 F	869.2
01U628A	877.8	06-Dec-88	20 A	875.9
01U628A	877.8	29-Mar-89	21 A	875.1
01U628A	877.8	07-Jun-89	22 A	877.0
01U628A	877.8	04-Aug-89	23 F	868.5
01U628A	877.8	08-Sep-89	23 A	877.7
01U628A	877.8	03-Nov-89	24 F	868.6
01U628A	877.8	21-Nov-89	24 A	876.1
01U628A	877.8	03-Jan-90	25 A	875.7
01U628A	877.8	07-May-90	26 A	876.5
01U628A	877.8	03-Jul-90	27 A	878.2
01U628A	877.8	06-Mar-91	30 A	875.8
01U628A	877.8	04-Jun-91	31 A	878.9
01U628A	877.8	03-Sep-91	32 A	877.6
01U628A	877.8	02-Mar-92	34 A	869.5
01U628A	877.8	01-Jun-92	35 A	870.0
01U628A	877.8	09-Sep-92	36 A	869.5
01U628A	877.8	01-Dec-92	37 A	877.4
01U628A	877.8	02-Mar-93	38 A	876.2
01U628A	877.8	01-Jun-93	39 A	877.9
01U628A	877.8	08-Sep-93	40 A	879.4
01U628A	877.8	01-Mar-94	42 A	875.9
01U628A	877.8	06-Sep-94	44 A	876.8
01U628B	877.8	27-Jan-88	17 F	867.9
01U628B	877.8	14-Apr-88	18 F	867.7
01U628B	877.8	30-Aug-88	19 F	867.9
01U628B	877.8	23-Nov-88	20 F	868.3
01U628B	877.8	06-Dec-88	20 A	876.0
01U628B	877.8	29-Mar-89	21 A	875.3
01U628B	877.8	07-Jun-89	22 A	877.0
01U628B	877.8	04-Aug-89	23 F	869.2
01U628B	877.8	08-Sep-89	23 A	877.9
01U628B	877.8	03-Nov-89	24 F	868.4
01U628B	877.8	21-Nov-89	24 A	876.4
01U628B	877.8	03-Jan-90	25 A	875.9
01U628B	877.8	07-May-90	26 A	876.6
01U628B	877.8	03-Jul-90	27 A	878.2
01U628B	877.8	06-Mar-91	30 A	876.0
01U628B	877.8	04-Jun-91	31 A	879.0
01U628B	877.8	03-Sep-91	32 A	877.7
01U628B	877.8	02-Mar-92	34 A	869.3
01U628B	877.8	01-Jun-92	35 A	869.8
01U628B	877.8	09-Sep-92	36 A	869.3
01U628B	877.8	01-Dec-92	37 A	877.2
01U628B	877.8	02-Mar-93	38 A	876.1
01U628B	877.8	01-Jun-93	39 A	877.6
01U628B	877.8	08-Sep-93	40 A	879.3
01U628B	877.8	01-Mar-94	42 A	875.7
01U628B	877.8	06-Sep-94	44 A	876.5
01U628C	877.8	27-Jan-88	17 F	867.6
01U628C	877.8	14-Apr-88	18 F	867.4
01U628C	877.8	30-Aug-88	19 F	867.6
01U628C	877.8	23-Nov-88	20 F	868.5
01U628C	877.8	06-Dec-88	20 A	875.7
01U628C	877.8	29-Mar-89	21 A	875.2
01U628C	877.8	07-Jun-89	22 A	876.6
01U628C	877.8	04-Aug-89	23 F	868.9
01U628C	877.8	08-Sep-89	23 A	877.7
01U628C	877.8	03-Nov-89	24 F	868.2
01U628C	877.8	21-Nov-89	24 A	876.3
01U628C	877.8	03-Jan-90	25 A	875.7
01U628C	877.8	07-May-90	26 A	876.1
01U628C	877.8	03-Jul-90	27 A	877.8
01U628C	877.8	06-Mar-91	30 A	875.9
01U628C	877.8	04-Jun-91	31 A	878.8
01U628C	877.8	03-Sep-91	32 A	877.3
01U628C	877.8	02-Mar-92	34 A	869.1
01U628C	877.8	02-Mar-92	34 A	869.5
01U628C	877.8	01-Jun-92	35 A	869.5
01U628C	877.8	09-Sep-92	36 A	868.9
01U628C	877.8	01-Dec-92	37 A	876.9
01U628C	877.8	02-Mar-93	38 A	876.1
01U628C	877.8	01-Jun-93	39 A	877.3
01U628C	877.8	08-Sep-93	40 A	879.2
01U628C	877.8	01-Mar-94	42 A	875.6
01U628C	877.8	06-Sep-94	44 A	876.2
01U628D	877.8	27-Jan-88	17 F	867.6
01U628D	877.8	14-Apr-88	18 F	867.4
01U628D	877.8	30-Aug-88	19 F	867.6
01U628D	877.8	23-Nov-88	20 F	868.8
01U628D	877.8	06-Dec-88	20 A	875.7
01U628D	877.8	29-Mar-89	21 A	875.2
01U628D	877.8	07-Jun-89	22 A	876.6
01U628D	877.8	04-Aug-89	23 F	868.9
01U628D	877.8	08-Sep-89	23 A	877.7
01U628D	877.8	03-Nov-89	24 F	868.2
01U628D	877.8	21-Nov-89	24 A	876.2
01U628D	877.8	03-Jan-90	25 A	875.7
01U628D	877.8	07-May-90	26 A	876.1
01U628D	877.8	03-Jul-90	27 A	877.8
01U628D	877.8	06-Mar-91	30 A	875.9
01U628D	877.8	04-Jun-91	31 A	878.8
01U628D	877.8	03-Sep-91	32 A	877.3
01U628D	877.8	02-Mar-92	34 A	869.1
01U628D	877.8	01-Jun-92	35 A	869.5
01U628D	877.8	09-Sep-92	36 A	868.9
01U628D	877.8	01-Dec-92	37 A	877.0
01U628D	877.8	02-Mar-93	38 A	876.1
01U628D	877.8	01-Jun-93	39 A	877.3
01U628D	877.8	08-Sep-93	40 A	879.2
01U628D	877.8	01-Mar-94	42 A	875.6
01U628D	877.8	06-Sep-94	44 A	876.2
01U634	655.9	15-Dec-87	16 F	649.1
01U634	655.9	14-Apr-88	18 F	649.2
01U634	655.9	23-Nov-88	20 F	651.2
01U634	655.9	12-May-89	22 F	648.1
01U634	655.9	04-Aug-89	23 F	649.8
01U636	953.8	14-Dec-87	16 F	940.4
01U636	953.8	14-Apr-88	18 F	940.8
01U636	953.8	30-Aug-88	19 F	940.4
01U636	953.8	23-Nov-88	20 F	940.4
01U636	953.8	12-May-89	22 F	941.9
01U636	953.8	04-Aug-89	23 F	941.2
01U636	953.8	22-Mar-90	30 A	945.3
01U636	953.8	11-Sep-90	32 A	945.0
01U636	953.8	16-Mar-92	34 A	941.4
01U636	953.8	08-Oct-92	36 A	938.6
01U636	953.8	02-Mar-93	38 A	Dry
01U636	953.8	10-Sep-93	40 A	943.1
01U636	953.8	11-Mar-94	42 A	Dry
01U636	953.8	02-Sep-94	44 A	939.9
01U639	955.9	14-Dec-87	16 F	946.4
01U639	955.9	14-Apr-88	18 F	948.7
01U639	955.9	23-Nov-88	20 F	950.8
01U639	955.9	12-May-89	22 F	948.0
01U639	955.9	22-Mar-90	30 A	950.5
01U639	955.9	11-Sep-90	32 A	950.9
01U639	955.9	16-Mar-92	34 A	948.2

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U639	955.9	08-Oct-92	36 A	944.6
01U639	955.9	02-Mar-93	38 A	Dry
01U639	955.9	10-Sep-93	40 A	Dry
01U639	955.9	11-Mar-94	42 A	952.6
01U639	955.9	02-Sep-94	44 A	Dry
01U640	958.0	30-Aug-88	19 F	950.3
01U640	958.0	23-Nov-88	20 F	950.3
01U640	958.0	12-May-89	22 F	947.0
01U640	958.0	04-Aug-89	23 F	950.8
01U640	958.0	22-Mar-90	30 A	949.5
01U640	958.0	11-Sep-90	32 A	950.0
01U640	958.0	16-Mar-92	34 A	948.4
01U640	958.0	08-Oct-92	36 A	945.3
01U640	958.0	02-Mar-93	38 A	Dry
01U640	958.0	10-Sep-93	40 A	948.8
01U640	958.0	11-Mar-94	42 A	Dry
01U640	958.0	02-Sep-94	44 A	948.1
01U642	958.8	15-Dec-87	16 F	954.6
01U642	958.8	27-Jan-88	17 F	952.2
01U642	958.8	14-Apr-88	18 F	954.2
01U642	958.8	30-Aug-88	19 F	954.0
01U642	958.8	23-Nov-88	20 F	955.2
01U642	958.8	04-Aug-89	23 F	951.4
01U652	957.5	15-Dec-87	16 F	948.4
01U652	957.5	27-Jan-88	17 F	947.8
01U652	957.5	14-Apr-88	18 F	946.7
01U652	957.5	30-Aug-88	19 F	947.9
01U652	957.5	23-Nov-88	20 F	948.1
01U652	957.5	12-May-89	22 F	943.6
01U652	957.5	04-Aug-89	23 F	947.7
01U652	957.5	03-Nov-89	24 F	948.1
01U666	956.5	12-May-89	22 F	946.4
01U667	959.6	15-Dec-87	16 F	946.5
01U667	959.6	27-Jan-88	17 F	946.1
01U667	959.6	14-Apr-88	18 F	949.2
01U667	959.6	30-Aug-88	19 F	946.7
01U667	959.6	23-Nov-88	20 F	946.3
01U668	959.4	04-Aug-89	23 F	949.2
01U668	959.4	03-Nov-89	24 F	949.9
01U803	898.2	14-Dec-87	16 F	893.0
01U803	898.2	26-Jan-88	17 F	891.8
01U803	898.2	30-Aug-88	19 F	892.1
01U803	898.2	23-Nov-88	20 F	893.0
01U803	898.2	03-Aug-89	23 F	893.0
01U803	898.2	03-Nov-89	24 F	891.4
01U803	898.2	05-Sep-91	32 F	893.0
01U805	905.4	14-Dec-87	16 F	901.1
01U805	905.4	26-Jan-88	17 F	899.6
01U805	905.4	13-Apr-88	18 F	901.4
01U805	905.4	30-Aug-88	19 F	899.4
01U805	905.4	23-Nov-88	20 F	899.5
01U805	905.4	03-Aug-89	23 F	900.5
01U805	905.4	03-Nov-89	24 F	897.2
01U805	905.4	05-Sep-91	32 F	899.9
01U806	909.7	14-Dec-87	16 F	902.8
01U806	909.7	27-Jan-88	17 F	901.5
01U806	909.7	13-Apr-88	18 F	901.5
01U806	909.7	30-Aug-88	19 F	901.5
01U806	909.7	03-Aug-89	23 F	902.1
01U806	909.7	03-Nov-89	24 F	900.9
01U806	909.7	05-Sep-91	32 F	903.2
01U808	908.4	14-Dec-87	16 F	891.5
01U808	908.4	26-Jan-88	17 F	891.9
01U808	908.4	13-Apr-88	18 F	891.2
01U808	908.4	30-Aug-88	19 F	890.9
01U808	908.4	23-Nov-88	20 F	891.0
01U808	908.4	03-Aug-89	23 F	891.3
01U808	908.4	03-Nov-89	24 F	891.0
01U808	908.4	05-Sep-91	32 F	891.6
01U813	870.2	14-Dec-87	16 F	868.5
01U813	870.2	13-Apr-88	18 F	868.6
01U813	870.2	30-Aug-88	19 F	865.9
01U813	870.2	23-Nov-88	20 F	867.0
01U813	870.2	06-Aug-89	23 F	868.0
01U813	870.2	03-Nov-89	24 F	867.4
01U901	901.5	06-Aug-89	23 F	881.7
01U901	901.5	02-Nov-89	24 F	881.0
01U901	901.5	20-Feb-90	25 F	880.4
01U901	901.5	20-Mar-90	25 F	880.3
01U901	901.5	16-Apr-90	26 F	880.0
01U901	901.5	30-Apr-90	26 F	880.4
01U901	901.5	22-May-90	26 F	880.7
01U901	901.5	19-Jun-90	26 F	881.2
01U901	901.5	17-Jul-90	27 F	882.0
01U901	901.5	21-Aug-90	27 F	883.8
01U901	901.5	18-Sep-90	28 F	883.1
01U901	901.5	02-Nov-90	29 F	882.9
01U901	901.5	18-Dec-90	29 F	882.5
01U901	901.5	19-Feb-91	30 F	881.8
01U901	901.5	19-Mar-91	30 F	881.7
01U901	901.5	16-Apr-91	31 F	882.0
01U901	901.5	18-Jun-91	31 F	884.3
01U901	901.5	18-Jun-91	31 F	884.3
01U901	901.5	30-Jul-91	32 F	884.8
01U901	901.5	19-Aug-91	32 F	884.7
01U901	901.5	22-Oct-91	33 F	885.3
01U901	901.5	21-Dec-91	33 F	885.3
01U901	901.5	18-Feb-92	34 F	884.8
01U901	901.5	05-Mar-92	34 F	884.7
01U901	901.5	13-Apr-92	35 F	885.3
01U901	901.5	16-Jun-92	35 F	885.7
01U901	901.5	21-Aug-92	36 F	884.7
01U901	901.5	01-Sep-92	36 F	884.6
01U901	901.5	20-Oct-92	37 F	884.4
01U901	901.5	01-Dec-92	37 F	884.3
01U901	901.5	01-Feb-93	38 F	883.8
01U901	901.5	02-Mar-93	38 F	883.6
01U901	901.5	20-Apr-93	39 F	883.5
01U901	901.5	15-Jun-93	39 F	884.9
01U901	901.5	16-Aug-93	40 F	889.5
01U901	901.5	08-Sep-93	40 F	887.8
01U901	901.5	29-Oct-93	41 F	886.3
01U901	901.5	16-Dec-93	41 F	885.8
01U901	901.5	17-Feb-94	42 F	884.8
01U901	901.5	11-Mar-94	42 F	884.5
01U901	901.5	27-Apr-94	43 F	884.6
01U901	901.5	10-Jun-94	43 F	885.7
01U901	901.5	16-Jun-94	43 F	885.6
01U901	901.5	21-Jun-94	43 F	885.4
01U901	901.5	28-Jun-94	43 F	885.2
01U901	901.5	05-Jul-94	44 F	884.9
01U901	901.5	12-Jul-94	44 F	884.8
01U901	901.5	20-Jul-94	44 F	884.6
01U901	901.5	26-Jul-94	44 F	884.5
01U901	901.5	03-Aug-94	44 F	884.3
01U901	901.5	10-Aug-94	44 F	884.2
01U901	901.5	17-Aug-94	44 F	884.1
01U901	901.5	26-Aug-94	44 F	883.9
01U901	901.5	01-Sep-94	44 F	883.8
01U901	901.5	06-Sep-94	44 F	883.7
01U901	901.5	12-Sep-94	44 F	883.6
01U901	901.5	22-Sep-94	44 F	883.5
01U901	901.5	27-Sep-94	44 F	883.5
01U902	901.3	06-Aug-89	23 F	884.7
01U902	901.3	02-Nov-89	24 F	883.9

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U902	901.3	20-Feb-90	25 F	883.0
01U902	901.3	20-Mar-90	25 F	882.8
01U902	901.3	16-Apr-90	26 F	882.8
01U902	901.3	22-May-90	26 F	883.0
01U902	901.3	19-Jun-90	26 F	883.8
01U902	901.3	17-Jul-90	27 F	884.8
01U902	901.3	21-Aug-90	27 F	885.7
01U902	901.3	18-Sep-90	28 F	886.2
01U902	901.3	02-Nov-90	29 F	885.8
01U902	901.3	18-Dec-90	29 F	885.6
01U902	901.3	19-Feb-91	30 F	884.9
01U902	901.3	19-Mar-91	30 F	884.6
01U902	901.3	16-Apr-91	31 F	884.8
01U902	901.3	05-Jun-91	31 F	887.0
01U902	901.3	18-Jun-91	31 F	887.7
01U902	901.3	18-Jun-91	31 F	887.8
01U902	901.3	30-Jul-91	32 F	888.3
01U902	901.3	19-Aug-91	32 F	888.1
01U902	901.3	03-Sep-91	32 F	887.8
01U902	901.3	22-Oct-91	33 F	889.0
01U902	901.3	21-Dec-91	33 F	888.9
01U902	901.3	18-Feb-92	34 F	888.3
01U902	901.3	09-Mar-92	34 F	888.2
01U902	901.3	13-Apr-92	35 F	888.8
01U902	901.3	02-Jun-92	35 F	889.5
01U902	901.3	16-Jun-92	35 F	889.2
01U902	901.3	21-Aug-92	36 F	888.3
01U902	901.3	01-Sep-92	36 F	888.1
01U902	901.3	20-Oct-92	37 F	887.9
01U902	901.3	01-Dec-92	37 F	887.8
01U902	901.3	01-Feb-93	38 F	887.2
01U902	901.3	02-Mar-93	38 F	886.7
01U902	901.3	20-Apr-93	39 F	886.5
01U902	901.3	01-Jun-93	39 F	887.7
01U902	901.3	16-Aug-93	40 F	891.8
01U902	901.3	29-Oct-93	40 F	889.7
01U902	901.3	29-Oct-93	41 F	889.7
01U902	901.3	16-Dec-93	41 F	889.0
01U902	901.3	17-Feb-94	42 F	888.0
01U902	901.3	23-Mar-94	42 F	887.8
01U902	901.3	27-Apr-94	43 F	887.3
01U902	901.3	10-Jun-94	43 F	888.1
01U902	901.3	16-Jun-94	43 F	887.7
01U902	901.3	21-Jun-94	43 F	887.4
01U902	901.3	28-Jun-94	43 F	887.2
01U902	901.3	05-Jul-94	44 F	886.8
01U902	901.3	12-Jul-94	44 F	886.6
01U902	901.3	20-Jul-94	44 F	886.4
01U902	901.3	26-Jul-94	44 F	886.3
01U902	901.3	03-Aug-94	44 F	886.1
01U902	901.3	10-Aug-94	44 F	886.0
01U902	901.3	17-Aug-94	44 F	885.9
01U902	901.3	26-Aug-94	44 F	885.8
01U902	901.3	01-Sep-94	44 F	885.8
01U902	901.3	06-Sep-94	44 F	885.7
01U902	901.3	12-Sep-94	44 F	885.8
01U902	901.3	22-Sep-94	44 F	885.6
01U902	901.3	27-Sep-94	44 F	885.6
01U903	903.7	11-Mar-94	42 F	889.3
01U903	903.7	10-Jun-94	43 F	889.7
01U903	903.7	16-Jun-94	43 F	889.4
01U903	903.7	21-Jun-94	43 F	889.2
01U903	903.7	28-Jun-94	43 F	889.0
01U903	903.7	05-Jul-94	44 F	888.7
01U903	903.7	12-Jul-94	44 F	888.5
01U903	903.7	20-Jul-94	44 F	888.4
01U903	903.7	26-Jul-94	44 F	888.2
01U903	903.7	03-Aug-94	44 F	887.9
01U903	903.7	10-Aug-94	44 F	887.7
01U903	903.7	17-Aug-94	44 F	887.6
01U903	903.7	26-Aug-94	44 F	887.5
01U903	903.7	01-Sep-94	44 F	887.4
01U903	903.7	06-Sep-94	44 F	887.3
01U903	903.7	12-Sep-94	44 F	887.2
01U903	903.7	22-Sep-94	44 F	887.1
01U903	903.7	27-Sep-94	44 F	887.1
01U904	899.4	11-Mar-94	42 F	885.9
01U904	899.4	10-Jun-94	43 F	886.5
01U904	899.4	16-Jun-94	43 F	886.3
01U904	899.4	21-Jun-94	43 F	886.1
01U904	899.4	28-Jun-94	43 F	885.9
01U904	899.4	05-Jul-94	44 F	885.6
01U904	899.4	12-Jul-94	44 F	885.5
01U904	899.4	20-Jul-94	44 F	885.3
01U904	899.4	26-Jul-94	44 F	885.2
01U904	899.4	03-Aug-94	44 F	885.1
01U904	899.4	10-Aug-94	44 F	885.0
01U904	899.4	17-Aug-94	44 F	884.9
01U904	899.4	26-Aug-94	44 F	884.7
01U904	899.4	01-Sep-94	44 F	884.5
01U904	899.4	06-Sep-94	44 F	879.4
01U904	899.4	12-Sep-94	44 F	884.5
01U904	899.4	22-Sep-94	44 F	884.4
01U904	899.4	27-Sep-94	44 F	884.3
03F302	927.2	24-Nov-87	16 A	850.6
03F302	927.2	30-Nov-87	16 A	844.8
03F302	927.2	14-Dec-87	16 A	844.4
03F302	927.2	15-Dec-87	16 F	844.4
03F302	927.2	11-Jan-88	17 A	844.6
03F302	927.2	28-Jan-88	17 F	837.3
03F302	927.2	14-Apr-88	18 F	865.6
03F302	927.2	02-May-88	18 A	844.8
03F302	927.2	20-May-88	18 A	844.3
03F302	927.2	23-Jun-88	18 A	843.7
03F302	927.2	27-Jul-88	19 A	842.5
03F302	927.2	30-Aug-88	19 F	860.5
03F302	927.2	01-Sep-88	19 A	840.1
03F302	927.2	21-Sep-88	19 A	847.8
03F302	927.2	14-Oct-88	20 A	840.7
03F302	927.2	25-Nov-88	20 F	863.4
03F302	927.2	02-Dec-88	20 A	849.2
03F302	927.2	13-Jan-89	21 A	839.9
03F302	927.2	31-Mar-89	21 A	848.7
03F302	927.2	07-Jul-89	23 A	837.9
03F302	927.2	04-Aug-89	23 F	837.2
03F302	927.2	05-Oct-89	24 A	837.1
03F302	927.2	02-Nov-89	24 F	836.3
03F302	927.2	11-Jan-90	25 A	855.3
03F302	927.2	16-May-90	26 A	836.7
03F302	927.2	16-Jul-90	27 A	835.9
03F302	927.2	28-Feb-91	30 A	836.5
03F302	927.2	03-Jun-91	31 A	835.0
03F302	927.2	03-Sep-91	32 A	835.3
03F302	927.2	27-Sep-91	32 A	835.3
03F302	927.2	06-Dec-91	33 A	835.8
03F302	927.2	24-Mar-92	34 A	836.4
03F302	927.2	01-Jun-92	35 A	836.9
03F302	927.2	01-Sep-92	36 A	837.4
03F302	927.2	08-Oct-92	37 A	866.9
03F302	927.2	02-Mar-93	38 A	838.4
03F302	927.2	10-Sep-93	40 A	840.5
03F302 (B1)	927.2	01-Mar-94	42 A	841.5
03F302 (B1)	927.2	02-Sep-94	44 A	839.4
03F303	922.1	24-Nov-87	16 A	829.8
03F303	922.1	30-Nov-87	16 A	829.8
03F303	922.1	14-Dec-87	16 A	830.8
03F303	922.1	15-Dec-87	16 F	830.8
03F303	922.1	28-Jan-88	17 F	847.4
03F303	922.1	14-Apr-88	18 F	857.8
03F303	922.1	02-May-88	18 A	831.3
03F303	922.1	20-May-88	18 A	829.7
03F303	922.1	23-Jun-88	18 A	836.4
03F303	922.1	27-Jul-88	19 A	825.6

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03F303	922.1	30-Aug-88	19 F	852.9
03F303	922.1	01-Sep-88	19 A	847.7
03F303	922.1	21-Sep-88	19 A	847.2
03F303	922.1	14-Oct-88	20 A	828.0
03F303	922.1	02-Dec-88	20 A	849.0
03F303	922.1	13-Jan-89	21 A	828.3
03F303	922.1	31-Mar-89	21 A	827.6
03F303	922.1	07-Jul-89	23 A	829.6
03F303	922.1	04-Aug-89	23 F	828.6
03F303	922.1	05-Oct-89	24 A	828.4
03F303	922.1	02-Nov-89	24 F	828.9
03F303	922.1	21-Dec-89	24 A	830.5
03F303	922.1	11-Jan-90	25 A	828.7
03F303	922.1	16-May-90	26 A	821.3
03F303	922.1	16-Jul-90	27 A	821.0
03F303	922.1	28-Feb-91	30 A	820.5
03F303	922.1	03-Jun-91	31 A	817.7
03F303	922.1	03-Sep-91	32 A	810.8
03F303	922.1	27-Sep-91	32 A	806.5
03F303	922.1	06-Dec-91	33 A	806.6
03F303	922.1	24-Mar-92	34 A	806.2
03F303	922.1	01-Jun-92	35 A	806.6
03F303	922.1	01-Sep-92	36 A	821.2
03F303	922.1	08-Oct-92	37 A	821.0
03F303	922.1	02-Mar-93	38 A	821.5
03F303	922.1	10-Sep-93	40 A	821.2
03F303 (B2)	922.0	01-Mar-94	42 A	821.1
03F303 (B2)	922.0	02-Sep-94	44 A	827.9
03F304	917.1	24-Nov-87	16 A	848.5
03F304	917.1	30-Nov-87	16 A	849.8
03F304	917.1	14-Dec-87	16 A	848.6
03F304	917.1	15-Dec-87	16 F	848.6
03F304	917.1	11-Jan-88	17 A	848.8
03F304	917.1	28-Jan-88	17 F	849.2
03F304	917.1	14-Apr-88	18 F	856.8
03F304	917.1	02-May-88	18 A	849.1
03F304	917.1	20-May-88	18 A	848.5
03F304	917.1	23-Jun-88	18 A	847.7
03F304	917.1	27-Jul-88	19 A	846.5
03F304	917.1	30-Aug-88	19 F	851.9
03F304	917.1	01-Sep-88	19 A	847.6
03F304	917.1	21-Sep-88	19 A	847.5
03F304	917.1	14-Oct-88	20 A	846.7
03F304	917.1	25-Nov-88	20 F	851.6
03F304	917.1	02-Dec-88	20 A	848.5
03F304	917.1	13-Jan-89	21 A	847.7
03F304	917.1	31-Mar-89	21 A	842.6
03F304	917.1	07-Jul-89	23 A	841.0
03F304	917.1	04-Aug-89	23 F	841.1
03F304	917.1	05-Oct-89	24 A	840.5
03F304	917.1	02-Nov-89	24 F	840.6
03F304	917.1	21-Dec-89	24 A	840.1
03F304	917.1	11-Jan-90	25 A	840.0
03F304	917.1	16-May-90	26 A	840.2
03F304	917.1	16-Jul-90	27 A	839.7
03F304	917.1	28-Feb-91	30 A	840.5
03F304	917.1	03-Jun-91	31 A	840.0
03F304	917.1	03-Sep-91	32 A	839.7
03F304	917.1	27-Sep-91	32 A	840.1
03F304	917.1	06-Dec-91	33 A	841.5
03F304	917.1	24-Mar-92	34 A	842.1
03F304	917.1	01-Jun-92	35 A	842.4
03F304	917.1	01-Sep-92	36 A	841.9
03F304	917.1	08-Oct-92	37 A	843.1
03F304	917.1	02-Mar-93	38 A	843.1
03F304	917.1	10-Sep-93	40 A	844.4
03F304 (B3)	917.1	01-Mar-94	42 A	846.2
03F304 (B3)	917.1	02-Sep-94	44 A	844.8
03F305	912.7	24-Nov-87	16 A	844.5
03F305	912.7	30-Nov-87	16 A	844.8
03F305	912.7	14-Dec-87	16 A	844.7
03F305	912.7	15-Dec-87	16 F	844.7
03F305	912.7	11-Jan-88	17 A	844.9
03F305	912.7	28-Jan-88	17 F	844.2
03F305	912.7	14-Apr-88	18 F	848.3
03F305	912.7	02-May-88	18 A	844.7
03F305	912.7	23-Jun-88	18 A	848.8
03F305	912.7	27-Jul-88	19 A	847.8
03F305	912.7	30-Aug-88	19 F	843.4
03F305	912.7	01-Sep-88	19 A	847.3
03F305	912.7	21-Sep-88	19 A	847.1
03F305	912.7	14-Oct-88	20 A	841.0
03F305	912.7	02-Dec-88	20 A	848.2
03F305	912.7	13-Jan-89	21 A	841.7
03F305	912.7	31-Mar-89	21 A	837.5
03F305	912.7	07-Jul-89	23 A	836.3
03F305	912.7	04-Aug-89	23 F	836.5
03F305	912.7	05-Oct-89	24 A	836.2
03F305	912.7	02-Nov-89	24 F	836.9
03F305	912.7	21-Dec-89	24 A	834.5
03F305	912.7	11-Jan-90	25 A	834.3
03F305	912.7	16-May-90	26 A	835.4
03F305	912.7	16-Jul-90	27 A	835.1
03F305	912.7	28-Feb-91	30 A	835.7
03F305	912.7	03-Jun-91	31 A	836.0
03F305	912.7	03-Sep-91	32 A	835.4
03F305	912.7	27-Sep-91	32 A	835.5
03F305	912.7	06-Dec-91	33 A	836.5
03F305	912.7	24-Mar-92	34 A	837.3
03F305	912.7	01-Jun-92	35 A	837.8
03F305	912.7	01-Sep-92	36 A	837.4
03F305	912.7	08-Oct-92	37 A	836.8
03F305	912.7	02-Mar-93	38 A	839.2
03F305	912.7	10-Sep-93	40 A	841.0
03F305 (B4)	912.7	01-Mar-94	42 A	841.8
03F305 (B4)	912.7	02-Sep-94	44 A	839.8
03F306	916.2	15-Dec-87	16 F	841.7
03F306	916.2	28-Jan-88	17 F	824.9
03F306	916.2	14-Apr-88	18 F	847.7
03F306	916.2	02-May-88	18 A	841.9
03F306	916.2	20-May-88	18 A	841.2
03F306	916.2	23-Jun-88	18 A	839.3
03F306	916.2	27-Jul-88	19 A	847.6
03F306	916.2	30-Aug-88	19 F	842.1
03F306	916.2	01-Sep-88	19 A	848.5
03F306	916.2	21-Sep-88	19 A	838.2
03F306	916.2	25-Nov-88	20 F	858.7
03F306	916.2	07-Jul-89	23 A	834.5
03F306	916.2	04-Aug-89	23 F	834.4
03F306	916.2	05-Oct-89	24 A	833.1
03F306	916.2	02-Nov-89	24 F	833.5
03F306	916.2	21-Dec-89	24 A	832.5
03F306	916.2	11-Jan-90	25 A	832.8
03F306	916.2	16-May-90	26 A	832.8
03F306	916.2	16-Jul-90	27 A	832.3
03F306	916.2	28-Feb-91	30 A	833.6
03F306	916.2	03-Jun-91	31 A	832.2
03F306	916.2	03-Sep-91	32 A	831.9
03F306	916.2	27-Sep-91	32 A	832.1
03F306	916.2	06-Dec-91	33 A	832.9
03F306	916.2	24-Mar-92	34 A	839.0
03F306	916.2	01-Jun-92	35 A	834.2
03F306	916.2	01-Sep-92	36 A	833.7
03F306	916.2	08-Oct-92	37 A	834.1
03F306	916.2	02-Mar-93	38 A	834.5
03F306	916.2	10-Sep-93	40 A	836.5
03F306 (B5)	916.0	01-Mar-94	42 A	838.5
03F306 (B5)	916.0	02-Sep-94	44 A	835.7
03F307	912.6	24-Nov-87	16 A	823.7
03F307	912.6	30-Nov-87	16 A	824.1

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03F307	912.6	14-Dec-87	16 A	823.3
03F307	912.6	15-Dec-87	16 F	823.3
03F307	912.6	11-Jan-88	17 A	823.5
03F307	912.6	28-Jan-88	17 F	830.2
03F307	912.6	14-Apr-88	18 F	839.4
03F307	912.6	02-May-88	18 A	824.4
03F307	912.6	20-May-88	18 A	823.2
03F307	912.6	23-Jun-88	18 A	824.6
03F307	912.6	27-Jul-88	19 A	847.0
03F307	912.6	30-Aug-88	19 F	833.9
03F307	912.6	21-Sep-88	19 A	822.2
03F307	912.6	25-Nov-88	20 F	860.6
03F307	912.6	31-Mar-89	21 A	830.8
03F307	912.6	07-Jul-89	23 A	829.3
03F307	912.6	04-Aug-89	23 F	829.5
03F307	912.6	05-Oct-89	24 A	828.9
03F307	912.6	02-Nov-89	24 F	829.3
03F307	912.6	21-Dec-89	24 A	828.5
03F307	912.6	11-Jan-90	25 A	828.5
03F307	912.6	16-May-90	26 A	827.9
03F307	912.6	16-Jul-90	27 A	828.4
03F307	912.6	28-Feb-91	30 A	828.5
03F307	912.6	03-Jun-91	31 A	828.6
03F307	912.6	27-Sep-91	32 A	828.1
03F307	912.6	06-Dec-91	33 A	829.3
03F307	912.6	24-Mar-92	34 A	832.5
03F307	912.6	01-Jun-92	35 A	828.8
03F307	912.6	01-Sep-92	36 A	828.9
03F307	912.6	08-Oct-92	37 A	858.5
03F307	912.6	02-Mar-93	38 A	826.6
03F307	912.6	10-Sep-93	40 A	827.3
03F307 (B6)	912.5	01-Mar-94	42 A	826.8
03F307 (B6)	912.5	02-Sep-94	44 A	821.7
03F308	900.6	02-Dec-88	20 A	846.1
03F308	900.6	13-Jan-89	21 A	847.1
03F308	900.6	31-Mar-89	21 A	836.1
03F308	900.6	07-Jul-89	23 A	834.4
03F308	900.6	05-Oct-89	24 A	834.0
03F308	900.6	21-Dec-89	24 A	833.7
03F308	900.6	11-Jan-90	25 A	833.5
03F308	900.6	16-May-90	26 A	832.9
03F308	900.6	16-Jul-90	27 A	831.5
03F308	900.6	28-Feb-91	30 A	832.2
03F308	900.6	03-Jun-91	31 A	827.5
03F308	900.6	27-Sep-91	32 A	824.5
03F308	900.6	06-Dec-91	33 A	825.4
03F308	900.6	24-Mar-92	34 A	824.8
03F308	900.6	01-Jun-92	35 A	823.3
03F308	900.6	01-Sep-92	36 A	823.0
03F308	900.6	08-Oct-92	37 A	820.8
03F308	900.6	02-Mar-93	38 A	821.5
03F308	900.6	10-Sep-93	40 A	815.7
03F308 (B7)	899.9	01-Mar-94	42 A	818.1
03F308 (B7)	899.9	02-Sep-94	44 A	814.5
03F312	942.1	02-Dec-88	20 A	851.6
03F312	942.1	13-Jan-89	21 A	850.9
03F312	942.1	31-Mar-89	21 A	838.0
03F312	942.1	07-Jul-89	23 A	835.3
03F312	942.1	05-Oct-89	24 A	835.1
03F312	942.1	21-Dec-89	24 A	828.7
03F312	942.1	11-Jan-90	25 A	838.6
03F312	942.1	16-May-90	26 A	839.4
03F312	942.1	16-Jul-90	27 A	838.8
03F312	942.1	28-Feb-91	30 A	839.0
03F312	942.1	03-Jun-91	31 A	839.4
03F312	942.1	03-Sep-91	32 A	838.9
03F312	942.1	27-Sep-91	32 A	839.0
03F312	942.1	06-Dec-91	33 A	840.2
03F312	942.1	24-Mar-92	34 A	840.8
03F312	942.1	01-Jun-92	35 A	841.7
03F312	942.1	01-Sep-92	36 A	841.6
03F312	942.1	08-Oct-92	37 A	841.2
03F312	942.1	02-Mar-93	38 A	842.4
03F312	942.1	10-Sep-93	40 A	842.0
03F312 (B11)	941.9	01-Mar-94	42 A	843.7
03F312 (B11)	941.9	02-Sep-94	44 A	843.9
03L001	888.5	17-Nov-87	16 A	849.9
03L001	888.5	24-Nov-87	16 A	849.5
03L001	888.5	30-Nov-87	16 A	849.9
03L001	888.5	14-Dec-87	16 A	849.6
03L001	888.5	14-Dec-87	16 F	849.7
03L001	888.5	11-Jan-88	17 A	849.9
03L001	888.5	27-Jan-88	17 F	849.6
03L001	888.5	13-Apr-88	18 F	850.6
03L001	888.5	02-May-88	18 A	849.7
03L001	888.5	20-May-88	18 A	849.1
03L001	888.5	23-Jun-88	18 A	846.6
03L001	888.5	27-Jul-88	19 A	845.4
03L001	888.5	30-Aug-88	19 F	845.5
03L001	888.5	01-Sep-88	19 A	845.1
03L001	888.5	21-Sep-88	19 A	845.2
03L001	888.5	14-Oct-88	20 A	845.7
03L001	888.5	23-Nov-88	20 F	846.7
03L001	888.5	02-Dec-88	20 A	846.7
03L001	888.5	13-Jan-89	21 A	846.8
03L001	888.5	31-Mar-89	21 A	843.9
03L001	888.5	07-Jul-89	23 A	841.6
03L001	888.5	05-Aug-89	23 F	841.5
03L001	888.5	05-Oct-89	24 A	841.4
03L001	888.5	02-Nov-89	24 F	841.5
03L001	888.5	21-Dec-89	24 A	841.3
03L001	888.5	11-Jan-90	25 A	841.3
03L001	888.5	16-May-90	26 A	841.5
03L001	888.5	16-Jul-90	27 A	841.2
03L001	888.5	28-Feb-91	30 A	842.1
03L001	888.5	03-Jun-91	31 A	841.9
03L001	888.5	03-Sep-91	32 A	840.9
03L001	888.5	27-Sep-91	32 A	841.5
03L001	888.5	06-Dec-91	33 A	842.8
03L001	888.5	24-Mar-92	34 A	843.3
03L001	888.5	01-Jun-92	35 A	843.1
03L001	888.5	01-Sep-92	36 A	842.7
03L001	888.5	08-Oct-92	37 A	843.3
03L001	888.5	02-Mar-93	38 A	844.4
03L001	888.5	10-Sep-93	40 A	845.8
03L001	888.5	01-Mar-94	42 A	847.5
03L001	888.5	02-Sep-94	44 A	845.7
03L002	919.5	17-Nov-87	16 A	850.7
03L002	919.5	24-Nov-87	16 A	850.3
03L002	919.5	30-Nov-87	16 A	850.7
03L002	919.5	14-Dec-87	16 A	850.4
03L002	919.5	11-Jan-88	17 A	850.7
03L002	919.5	13-Apr-88	18 F	853.1
03L002	919.5	02-May-88	18 A	851.0
03L002	919.5	20-May-88	18 A	850.4
03L002	919.5	23-Jun-88	18 A	849.4
03L002	919.5	27-Jul-88	19 A	848.4
03L002	919.5	30-Aug-88	19 F	847.9
03L002	919.5	01-Sep-88	19 A	847.9
03L002	919.5	21-Sep-88	19 A	847.6
03L002	919.5	14-Oct-88	20 A	847.0
03L002	919.5	23-Nov-88	20 F	848.5
03L002	919.5	02-Dec-88	20 A	848.7
03L002	919.5	13-Jan-89	21 A	848.1
03L002	919.5	31-Mar-89	21 A	844.5
03L002	919.5	07-Jul-89	23 A	843.0
03L002	919.5	05-Aug-89	23 F	842.9
03L002	919.5	05-Oct-89	24 A	842.5
03L002	919.5	02-Nov-89	24 F	842.9
03L002	919.5	21-Dec-89	24 A	841.9
03L002	919.5	11-Jan-90	25 A	841.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L002	919.5	16-May-90	26 A	841.9
03L002	919.5	16-Jul-90	27 A	841.7
03L002	919.5	28-Feb-91	30 A	842.3
03L002	919.5	03-Jun-91	31 A	842.2
03L002	919.5	03-Sep-91	32 A	841.6
03L002	919.5	27-Sep-91	32 A	841.9
03L002	919.5	06-Dec-91	33 A	843.2
03L002	919.5	24-Mar-92	34 A	843.8
03L002	919.5	01-Jun-92	35 A	844.2
03L002	919.5	01-Sep-92	36 A	843.8
03L002	919.5	08-Oct-92	37 A	844.1
03L002	919.5	02-Mar-93	38 A	845.0
03L002	919.5	10-Sep-93	40 A	846.3
03L002	919.5	01-Mar-94	42 A	848.0
03L002	919.5	02-Sep-94	44 A	846.6
03L003	943.4	17-Nov-87	16 A	852.5
03L003	943.4	24-Nov-87	16 A	852.4
03L003	943.4	30-Nov-87	16 A	852.4
03L003	943.4	14-Dec-87	16 A	852.2
03L003	943.4	14-Dec-87	16 F	852.3
03L003	943.4	11-Jan-88	17 A	852.4
03L003	943.4	26-Jan-88	17 F	852.4
03L003	943.4	14-Apr-88	18 F	854.1
03L003	943.4	02-May-88	18 A	853.0
03L003	943.4	20-May-88	18 A	852.4
03L003	943.4	23-Jun-88	18 A	851.7
03L003	943.4	27-Jul-88	19 A	850.3
03L003	943.4	30-Aug-88	19 F	849.3
03L003	943.4	01-Sep-88	19 A	849.0
03L003	943.4	21-Sep-88	19 A	848.8
03L003	943.4	14-Oct-88	20 A	848.5
03L003	943.4	02-Dec-88	20 A	849.7
03L003	943.4	13-Jan-89	21 A	849.2
03L003	943.4	31-Mar-89	21 A	845.4
03L003	943.4	07-Jul-89	23 A	843.9
03L003	943.4	05-Aug-89	23 F	844.1
03L003	943.4	05-Oct-89	24 A	843.2
03L003	943.4	02-Nov-89	24 F	844.1
03L003	943.4	21-Dec-89	24 A	843.9
03L003	943.4	11-Jan-90	25 A	843.3
03L003	943.4	16-May-90	26 A	843.4
03L003	943.4	16-Jul-90	27 A	843.1
03L003	943.4	28-Feb-91	30 A	843.8
03L003	943.4	03-Jun-91	31 A	843.5
03L003	943.4	03-Sep-91	32 A	843.1
03L003	943.4	27-Sep-91	32 A	843.3
03L003	943.4	06-Dec-91	33 A	844.5
03L003	943.4	24-Mar-92	34 A	845.0
03L003	943.4	01-Jun-92	35 A	845.8
03L003	943.4	01-Sep-92	36 A	845.5
03L003	943.4	08-Oct-92	37 A	846.1
03L003	943.4	02-Mar-93	38 A	846.8
03L003	943.4	10-Sep-93	40 A	847.7
03L003	943.4	01-Mar-94	42 A	849.5
03L003	943.4	02-Sep-94	44 A	848.8
03L004	950.4	17-Nov-87	16 A	855.4
03L004	950.4	24-Nov-87	16 A	855.1
03L004	950.4	30-Nov-87	16 A	855.3
03L004	950.4	14-Dec-87	16 A	855.0
03L004	950.4	14-Dec-87	16 F	855.1
03L004	950.4	11-Jan-88	17 A	855.4
03L004	950.4	26-Jan-88	17 F	855.3
03L004	950.4	14-Apr-88	18 F	856.0
03L004	950.4	02-May-88	18 A	855.6
03L004	950.4	20-May-88	18 A	855.2
03L004	950.4	23-Jun-88	18 A	854.2
03L004	950.4	27-Jul-88	19 A	852.8
03L004	950.4	30-Aug-88	19 F	851.9
03L004	950.4	01-Sep-88	19 A	851.6
03L004	950.4	21-Sep-88	19 A	851.3
03L004	950.4	14-Oct-88	20 A	851.2
03L004	950.4	23-Nov-88	20 F	851.4
03L004	950.4	02-Dec-88	20 A	851.5
03L004	950.4	13-Jan-89	21 A	851.8
03L004	950.4	31-Mar-89	21 A	850.4
03L004	950.4	05-Aug-89	23 F	849.3
03L004	950.4	05-Oct-89	24 A	848.1
03L004	950.4	04-Nov-89	24 F	848.1
03L004	950.4	21-Dec-89	24 A	847.8
03L004	950.4	11-Jan-90	25 A	847.6
03L004	950.4	16-May-90	26 A	847.5
03L004	950.4	28-Feb-91	30 A	848.1
03L004	950.4	27-Sep-91	32 A	847.6
03L004	950.4	24-Mar-92	34 A	849.5
03L004	950.4	08-Oct-92	37 A	849.5
03L004	950.4	02-Mar-93	38 A	850.2
03L004	950.4	10-Sep-93	40 A	851.3
03L004	950.4	01-Mar-94	42 A	853.2
03L004	950.4	02-Sep-94	44 A	852.3
03L005	971.6	30-Nov-87	16 A	854.7
03L005	971.6	14-Dec-87	16 A	854.5
03L005	971.6	14-Dec-87	16 F	857.3
03L005	971.6	26-Jan-88	17 F	857.4
03L005	971.6	14-Apr-88	18 F	857.7
03L005	971.6	02-May-88	18 A	854.9
03L005	971.6	20-May-88	18 A	854.5
03L005	971.6	23-Jun-88	18 A	852.8
03L005	971.6	27-Jul-88	19 A	851.8
03L005	971.6	30-Aug-88	19 F	853.7
03L005	971.6	01-Sep-88	19 A	850.8
03L005	971.6	21-Sep-88	19 A	850.5
03L005	971.6	14-Oct-88	20 A	850.1
03L005	971.6	23-Nov-88	20 F	853.2
03L005	971.6	02-Dec-88	20 A	850.2
03L005	971.6	13-Jan-89	21 A	850.7
03L005	971.6	31-Mar-89	21 A	849.5
03L005	971.6	05-Aug-89	23 F	851.1
03L005	971.6	05-Oct-89	24 A	847.6
03L005	971.6	03-Nov-89	24 F	850.5
03L005	971.6	21-Dec-89	24 A	847.0
03L005	971.6	11-Jan-90	25 A	847.0
03L005	971.6	24-Apr-90	26 F	850.0
03L005	971.6	16-May-90	26 A	846.8
03L005	971.6	28-Feb-91	30 A	847.8
03L005	971.6	29-Mar-91	30 F	850.0
03L005	971.6	27-Sep-91	32 A	847.3
03L005	971.6	17-Mar-92	34 F	852.2
03L005	971.6	24-Mar-92	34 A	849.3
03L005	971.6	08-Oct-92	37 A	852.8
03L005	971.6	02-Mar-93	38 A	853.3
03L005	971.6	09-Mar-93	38 F	853.1
03L005	971.6	10-Sep-93	40 A	854.1
03L005	971.6	01-Mar-94	42 A	856.2
03L005	971.6	17-Mar-94	42 F	856.7
03L005	971.6	02-Sep-94	44 A	855.3
03L007	901.5	24-Nov-87	16 A	858.9
03L007	901.5	14-Dec-87	16 A	859.2
03L007	901.5	14-Dec-87	16 F	859.1
03L007	901.5	11-Jan-88	17 A	859.6
03L007	901.5	26-Jan-88	17 F	859.3
03L007	901.5	13-Apr-88	18 F	859.7
03L007	901.5	02-May-88	18 A	859.1
03L007	901.5	20-May-88	18 A	858.8
03L007	901.5	23-Jun-88	18 A	856.4
03L007	901.5	27-Jul-88	19 A	855.0
03L007	901.5	30-Aug-88	19 F	854.7
03L007	901.5	01-Sep-88	19 A	854.8
03L007	901.5	21-Sep-88	19 A	854.3
03L007	901.5	14-Oct-88	20 A	854.7
03L007	901.5	23-Nov-88	20 F	855.2
03L007	901.5	02-Dec-88	20 A	855.3
03L007	901.5	13-Jan-89	21 A	855.5
03L007	901.5	31-Mar-89	21 A	854.9
03L007	901.5	05-Aug-89	23 F	852.3

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L007	901.5	05-Oct-89	24 A	852.3
03L007	901.5	02-Nov-89	24 F	852.4
03L007	901.5	21-Dec-89	24 A	852.4
03L007	901.5	11-Jan-90	25 A	852.3
03L007	901.5	23-Apr-90	26 F	851.8
03L007	901.5	16-May-90	26 A	851.9
03L007	901.5	16-Jul-90	27 A	851.7
03L007	901.5	19-Jul-90	27 F	851.8
03L007	901.5	28-Feb-91	30 A	853.0
03L007	901.5	28-Mar-91	30 F	852.5
03L007	901.5	03-Jun-91	31 A	852.6
03L007	901.5	03-Sep-91	32 A	852.1
03L007	901.5	27-Sep-91	32 A	852.2
03L007	901.5	06-Dec-91	33 A	854.1
03L007	901.5	10-Mar-92	34 F	854.6
03L007	901.5	24-Mar-92	34 A	854.6
03L007	901.5	01-Jun-92	35 A	854.6
03L007	901.5	01-Sep-92	36 A	854.2
03L007	901.5	08-Oct-92	37 A	855.1
03L007	901.5	02-Mar-93	38 A	855.8
03L007	901.5	02-Mar-93	38 F	855.6
03L007	901.5	10-Sep-93	40 A	856.8
03L007	901.5	01-Mar-94	42 A	858.7
03L007	901.5	11-Mar-94	42 F	858.8
03L007	901.5	02-Sep-94	44 A	857.3
03L010	889.1	24-Nov-87	16 A	865.6
03L010	889.1	14-Dec-87	16 A	865.8
03L010	889.1	11-Jan-88	17 A	866.2
03L010	889.1	26-Jan-88	17 F	866.0
03L010	889.1	13-Apr-88	18 F	865.8
03L010	889.1	02-May-88	18 A	864.9
03L010	889.1	20-May-88	18 A	864.4
03L010	889.1	23-Jun-88	18 A	859.1
03L010	889.1	27-Jul-88	19 A	857.6
03L010	889.1	30-Aug-88	19 F	859.4
03L010	889.1	01-Sep-88	19 A	859.5
03L010	889.1	21-Sep-88	19 A	859.9
03L010	889.1	14-Oct-88	20 A	860.9
03L010	889.1	23-Nov-88	20 F	861.6
03L010	889.1	02-Dec-88	20 A	861.7
03L010	889.1	13-Jan-89	21 A	861.8
03L010	889.1	31-Mar-89	21 A	862.9
03L010	889.1	05-Aug-89	23 F	858.1
03L010	889.1	05-Oct-89	24 A	859.3
03L010	889.1	02-Nov-89	24 F	859.7
03L010	889.1	21-Dec-89	24 A	860.3
03L010	889.1	11-Jan-90	25 A	860.4
03L010	889.1	27-Apr-90	26 F	860.0
03L010	889.1	01-Apr-91	30 F	861.6
03L010	889.1	27-Sep-91	32 A	862.1
03L010	889.1	10-Mar-92	34 F	863.8
03L010	889.1	24-Mar-92	34 A	863.7
03L010	889.1	08-Oct-92	37 A	863.2
03L010	889.1	02-Mar-93	38 A	864.0
03L010	889.1	02-Mar-93	38 F	864.1
03L010	889.1	10-Sep-93	40 A	865.9
03L010	889.1	01-Mar-94	42 A	866.7
03L010	889.1	11-Mar-94	42 F	866.7
03L010	889.1	02-Sep-94	44 A	864.9
03L012	879.9	17-Nov-87	16 A	859.7
03L012	879.9	24-Nov-87	16 A	859.6
03L012	879.9	14-Dec-87	16 A	859.9
03L012	879.9	14-Dec-87	16 F	859.8
03L012	879.9	11-Jan-88	17 A	860.1
03L012	879.9	27-Jan-88	17 F	860.2
03L012	879.9	13-Apr-88	18 F	859.8
03L012	879.9	02-May-88	18 A	859.3
03L012	879.9	20-May-88	18 A	858.8
03L012	879.9	23-Jun-88	18 A	854.7
03L012	879.9	27-Jul-88	19 A	853.5
03L012	879.9	30-Aug-88	19 F	854.4
03L012	879.9	01-Sep-88	19 A	854.4
03L012	879.9	21-Sep-88	19 A	854.6
03L012	879.9	14-Oct-88	20 A	855.3
03L012	879.9	23-Nov-88	20 F	855.8
03L012	879.9	02-Dec-88	20 A	855.7
03L012	879.9	13-Jan-89	21 A	856.3
03L012	879.9	31-Mar-89	21 A	856.5
03L012	879.9	05-Aug-89	23 F	852.7
03L012	879.9	05-Oct-89	24 A	853.2
03L012	879.9	02-Nov-89	24 F	853.5
03L012	879.9	21-Dec-89	24 A	853.9
03L012	879.9	11-Jan-90	25 A	854.1
03L012	879.9	16-May-90	26 A	853.7
03L012	879.9	16-Jul-90	27 A	853.7
03L012	879.9	28-Feb-91	30 A	854.9
03L012	879.9	03-Jun-91	31 A	855.2
03L012	879.9	03-Sep-91	32 A	853.9
03L012	879.9	27-Sep-91	32 A	855.0
03L012	879.9	06-Dec-91	33 A	856.3
03L012	879.9	24-Mar-92	34 A	856.9
03L012	879.9	01-Jun-92	35 A	856.3
03L012	879.9	01-Sep-92	36 A	855.3
03L012	879.9	08-Oct-92	37 A	856.2
03L012	879.9	02-Mar-93	38 A	857.4
03L012	879.9	10-Sep-93	40 A	858.9
03L012	879.9	01-Mar-94	42 A	860.3
03L012	879.9	02-Sep-94	44 A	858.5
03L013	889.7	17-Nov-87	16 A	852.6
03L013	889.7	24-Nov-87	16 A	852.3
03L013	889.7	14-Dec-87	16 A	852.5
03L013	889.7	14-Dec-87	16 F	852.4
03L013	889.7	11-Jan-88	17 A	852.0
03L013	889.7	27-Jan-88	17 F	852.4
03L013	889.7	13-Apr-88	18 F	853.0
03L013	889.7	02-May-88	18 A	852.3
03L013	889.7	20-May-88	18 A	851.8
03L013	889.7	23-Jun-88	18 A	848.9
03L013	889.7	27-Jul-88	19 A	847.7
03L013	889.7	30-Aug-88	19 F	848.0
03L013	889.7	01-Sep-88	19 A	847.8
03L013	889.7	21-Sep-88	19 A	847.7
03L013	889.7	14-Oct-88	20 A	848.2
03L013	889.7	23-Nov-88	20 F	848.9
03L013	889.7	02-Dec-88	20 A	848.9
03L013	889.7	13-Jan-89	21 A	849.5
03L013	889.7	31-Mar-89	21 A	847.9
03L013	889.7	05-Aug-89	23 F	845.0
03L013	889.7	05-Oct-89	24 A	845.1
03L013	889.7	02-Nov-89	24 F	845.2
03L013	889.7	21-Dec-89	24 A	845.3
03L013	889.7	11-Jan-90	25 A	845.6
03L013	889.7	27-Apr-90	26 F	766.4
03L013	889.7	16-May-90	26 A	845.4
03L013	889.7	28-Feb-91	30 A	846.2
03L013	889.7	27-Sep-91	32 A	845.8
03L013	889.7	24-Mar-92	34 A	847.8
03L013	889.7	08-Oct-92	37 A	847.5
03L013	889.7	02-Mar-93	38 A	848.6
03L013	889.7	10-Sep-93	40 A	849.9
03L013	889.9	01-Mar-94	42 A	851.7
03L013	889.9	02-Sep-94	44 A	850.0
03L014	989.5	17-Nov-87	16 A	856.9
03L014	989.5	24-Nov-87	16 A	856.7
03L014	989.5	14-Dec-87	16 A	857.0
03L014	989.5	15-Dec-87	16 F	857.0
03L014	989.5	11-Jan-88	17 A	857.1
03L014	989.5	26-Jan-88	17 F	857.1
03L014	989.5	14-Apr-88	18 F	857.3
03L014	989.5	02-May-88	18 A	857.2
03L014	989.5	20-May-88	18 A	858.0
03L014	989.5	23-Jun-88	18 A	855.5
03L014	989.5	27-Jul-88	19 A	854.0
03L014	989.5	30-Aug-88	19 F	853.0

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L014	989.5	01-Sep-88	19 A	853.0
03L014	989.5	21-Sep-88	19 A	852.8
03L014	989.5	14-Oct-88	20 A	852.6
03L014	989.5	23-Nov-88	20 F	853.8
03L014	989.5	02-Dec-88	20 A	852.9
03L014	989.5	13-Jan-89	21 A	853.0
03L014	989.5	31-Mar-89	21 A	852.3
03L014	989.5	05-Aug-89	23 F	850.7
03L014	989.5	05-Oct-89	24 A	850.0
03L014	989.5	02-Nov-89	24 F	849.8
03L014	989.5	21-Dec-89	24 A	849.8
03L014	989.5	11-Jan-90	25 A	849.6
03L014	989.5	16-May-90	26 A	849.5
03L014	989.5	28-Feb-91	30 A	850.3
03L014	989.5	03-Jun-91	31 A	850.2
03L014	989.5	03-Sep-91	32 A	849.6
03L014	989.5	27-Sep-91	32 A	849.9
03L014	989.5	06-Dec-91	33 A	851.1
03L014	989.5	24-Mar-92	34 A	851.9
03L014	989.5	01-Jun-92	35 A	852.5
03L014	989.5	01-Sep-92	36 A	851.9
03L014	989.5	08-Oct-92	37 A	852.3
03L014	989.5	02-Mar-93	38 A	853.1
03L014	989.5	10-Sep-93	40 A	854.4
03L014	989.5	01-Mar-94	42 A	856.1
03L014	989.5	02-Sep-94	44 A	855.1
03L017	939.1	17-Nov-87	16 A	854.2
03L017	939.1	24-Nov-87	16 A	853.9
03L017	939.1	14-Dec-87	16 A	854.3
03L017	939.1	27-Jan-88	17 F	854.2
03L017	939.1	13-Apr-88	18 F	855.0
03L017	939.1	02-May-88	18 A	854.4
03L017	939.1	20-May-88	18 A	853.9
03L017	939.1	23-Jun-88	18 A	852.7
03L017	939.1	27-Jul-88	19 A	851.1
03L017	939.1	30-Aug-88	19 F	850.4
03L017	939.1	01-Sep-88	19 A	850.1
03L017	939.1	21-Sep-88	19 A	850.1
03L017	939.1	14-Oct-88	20 A	849.9
03L017	939.1	23-Nov-88	20 F	850.5
03L017	939.1	02-Dec-88	20 A	850.6
03L017	939.1	13-Jan-89	21 A	850.9
03L017	939.1	31-Mar-89	21 A	849.1
03L017	939.1	05-Oct-89	24 A	847.0
03L017	939.1	04-Nov-89	24 F	846.7
03L017	939.1	21-Dec-89	24 A	846.2
03L017	939.1	11-Jan-90	25 A	846.2
03L017	939.1	16-May-90	26 A	846.3
03L017	939.1	28-Feb-91	30 A	847.0
03L017	939.1	27-Sep-91	32 A	846.7
03L017	939.1	24-Mar-92	34 A	848.5
03L017	939.1	08-Oct-92	37 A	848.8
03L017	939.1	02-Mar-93	38 A	849.8
03L017	939.1	10-Sep-93	40 A	851.1
03L017	939.1	01-Mar-94	42 A	852.8
03L017	939.1	02-Sep-94	44 A	851.6
03L018	989.3	24-Nov-87	16 A	856.6
03L018	989.3	30-Nov-87	16 A	856.6
03L018	989.3	14-Dec-87	16 A	856.7
03L018	989.3	11-Jan-88	17 A	856.9
03L018	989.3	27-Jan-88	17 F	856.9
03L018	989.3	14-Apr-88	18 F	857.1
03L018	989.3	02-May-88	18 A	857.0
03L018	989.3	20-May-88	18 A	856.6
03L018	989.3	23-Jun-88	18 A	855.3
03L018	989.3	27-Jul-88	19 A	853.8
03L018	989.3	30-Aug-88	19 F	852.8
03L018	989.3	01-Sep-88	19 A	852.8
03L018	989.3	21-Sep-88	19 A	852.6
03L018	989.3	14-Oct-88	20 A	852.4
03L018	989.3	23-Nov-88	20 F	852.6
03L018	989.3	02-Dec-88	20 A	852.7
03L018	989.3	13-Jan-89	21 A	852.9
03L018	989.3	31-Mar-89	21 A	852.0
03L018	989.3	05-Aug-89	23 F	850.3
03L018	989.3	05-Oct-89	24 A	849.8
03L018	989.3	04-Nov-89	24 F	849.6
03L018	989.3	21-Dec-89	24 A	849.3
03L018	989.3	11-Jan-90	25 A	849.3
03L018	989.3	16-May-90	26 A	849.2
03L018	989.3	28-Feb-91	30 A	850.0
03L018	989.3	27-Sep-91	32 A	849.6
03L018	989.3	24-Mar-92	34 A	851.7
03L018	989.3	08-Oct-92	37 A	851.8
03L018	989.3	02-Mar-93	38 A	852.7
03L018	989.3	10-Sep-93	40 A	854.0
03L018	989.3	01-Mar-94	42 A	855.8
03L018	989.3	02-Sep-94	44 A	854.7
03L020	954.5	17-Nov-87	16 A	854.7
03L020	954.5	24-Nov-87	16 A	854.6
03L020	954.5	30-Nov-87	16 A	854.6
03L020	954.5	14-Dec-87	16 A	854.5
03L020	954.5	11-Jan-88	17 A	854.7
03L020	954.5	27-Jan-88	17 F	854.8
03L020	954.5	14-Apr-88	18 F	855.6
03L020	954.5	02-May-88	18 A	855.1
03L020	954.5	20-May-88	18 A	854.6
03L020	954.5	23-Jun-88	18 A	853.6
03L020	954.5	27-Jul-88	19 A	852.1
03L020	954.5	30-Aug-88	19 F	851.0
03L020	954.5	01-Sep-88	19 A	850.9
03L020	954.5	21-Sep-88	19 A	850.8
03L020	954.5	14-Oct-88	20 A	850.5
03L020	954.5	23-Nov-88	20 F	851.0
03L020	954.5	02-Dec-88	20 A	851.2
03L020	954.5	13-Jan-89	21 A	851.3
03L020	954.5	31-Mar-89	21 A	849.5
03L020	954.5	07-Jul-89	23 A	848.3
03L020	954.5	05-Aug-89	23 F	848.0
03L020	954.5	05-Oct-89	24 A	847.3
03L020	954.5	04-Nov-89	24 F	848.4
03L020	954.5	21-Dec-89	24 A	846.8
03L020	954.5	11-Jan-90	25 A	846.8
03L020	954.5	16-May-90	26 A	846.8
03L020	954.5	16-Jul-90	27 A	846.6
03L020	954.5	28-Feb-91	30 A	847.4
03L020	954.5	03-Jun-91	31 A	847.3
03L020	954.5	03-Sep-91	32 A	846.8
03L020	954.5	27-Sep-91	32 A	847.0
03L020	954.5	06-Dec-91	33 A	848.2
03L020	954.5	24-Mar-92	34 A	849.0
03L020	954.5	01-Jun-92	35 A	849.5
03L020	954.5	01-Sep-92	36 A	849.0
03L020	954.5	08-Oct-92	37 A	849.1
03L020	954.5	02-Mar-93	38 A	850.0
03L020	954.5	10-Sep-93	40 A	851.2
03L020	954.5	01-Mar-94	42 A	853.0
03L020	954.5	02-Sep-94	44 A	851.9
03L021	944.1	24-Nov-87	16 A	852.7
03L021	944.1	14-Dec-87	16 A	852.6
03L021	944.1	15-Dec-87	16 F	852.5
03L021	944.1	11-Jan-88	17 A	852.8
03L021	944.1	28-Jan-88	17 F	852.7
03L021	944.1	14-Apr-88	18 F	854.4
03L021	944.1	02-May-88	18 A	853.1
03L021	944.1	20-May-88	18 A	852.5
03L021	944.1	23-Jun-88	18 A	851.6
03L021	944.1	27-Jul-88	19 A	850.2
03L021	944.1	30-Aug-88	19 F	849.3
03L021	944.1	01-Sep-88	19 A	849.3
03L021	944.1	21-Sep-88	19 A	849.1
03L021	944.1	14-Oct-88	20 A	848.7
03L021	944.1	23-Nov-88	20 F	849.7
03L021	944.1	02-Dec-88	20 A	849.9

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L021	944.1	13-Jan-89	21 A	849.7
03L021	944.1	31-Mar-89	21 A	847.1
03L021	944.1	05-Aug-89	23 F	845.4
03L021	944.1	05-Oct-89	24 A	845.1
03L021	944.1	04-Nov-89	24 F	844.9
03L021	944.1	21-Dec-89	24 A	844.5
03L021	944.1	11-Jan-90	25 A	844.4
03L021	944.1	16-May-90	26 A	844.4
03L021	944.1	28-Feb-91	30 A	844.9
03L021	944.1	27-Sep-91	32 A	844.3
03L021	944.1	24-Mar-92	34 A	846.4
03L021	944.1	08-Oct-92	37 A	846.5
03L021	944.1	02-Mar-93	38 A	847.4
03L021	944.1	10-Sep-93	40 A	848.7
03L021	944.1	01-Mar-94	42 A	850.4
03L021	944.1	02-Sep-94	44 A	849.3
03L027	966.9	17-Nov-87	16 A	855.2
03L027	966.9	24-Nov-87	16 A	855.0
03L027	966.9	30-Nov-87	16 A	855.1
03L027	966.9	14-Dec-87	16 A	855.0
03L027	966.9	11-Jan-88	17 A	855.2
03L027	966.9	27-Jan-88	17 F	855.1
03L027	966.9	14-Apr-88	18 F	856.0
03L027	966.9	02-May-88	18 A	855.5
03L027	966.9	20-May-88	18 A	855.0
03L027	966.9	23-Jun-88	18 A	854.1
03L027	966.9	27-Jul-88	19 A	852.6
03L027	966.9	30-Aug-88	19 F	851.5
03L027	966.9	01-Sep-88	19 A	851.5
03L027	966.9	21-Sep-88	19 A	851.2
03L027	966.9	14-Oct-88	20 A	850.9
03L027	966.9	23-Nov-88	20 F	851.3
03L027	966.9	02-Dec-88	20 A	851.6
03L027	966.9	13-Jan-89	21 A	851.9
03L027	966.9	31-Mar-89	21 A	850.0
03L027	966.9	05-Aug-89	23 F	842.5
03L027	966.9	05-Oct-89	24 A	847.8
03L027	966.9	04-Nov-89	24 F	847.7
03L027	966.9	21-Dec-89	24 A	847.5
03L027	966.9	11-Jan-90	25 A	847.3
03L027	966.9	16-May-90	26 A	847.3
03L027	966.9	28-Feb-91	30 A	847.8
03L027	966.9	27-Sep-91	32 A	847.4
03L027	966.9	24-Mar-92	34 A	849.4
03L027	966.9	08-Oct-92	37 A	849.4
03L027	966.9	02-Mar-93	38 A	850.3
03L027	966.9	10-Sep-93	40 A	851.5
03L027	966.9	01-Mar-94	42 A	853.2
03L027	966.9	02-Sep-94	44 A	852.2
03L028	956.6	17-Nov-87	16 A	854.5
03L028	956.6	30-Nov-87	16 A	854.4
03L028	956.6	14-Dec-87	16 A	854.4
03L028	956.6	14-Dec-87	16 F	854.6
03L028	956.6	11-Jan-88	17 A	854.6
03L028	956.6	27-Jan-88	17 F	854.7
03L028	956.6	14-Apr-88	18 F	855.8
03L028	956.6	02-May-88	18 A	854.9
03L028	956.6	20-May-88	18 A	854.4
03L028	956.6	23-Jun-88	18 A	853.5
03L028	956.6	27-Jul-88	19 A	851.5
03L028	956.6	30-Aug-88	19 F	851.3
03L028	956.6	01-Sep-88	19 A	850.9
03L028	956.6	21-Sep-88	19 A	850.6
03L028	956.6	14-Oct-88	20 A	850.4
03L028	956.6	23-Nov-88	20 F	851.3
03L028	956.6	02-Dec-88	20 A	850.9
03L028	956.6	13-Jan-89	21 A	851.1
03L028	956.6	31-Mar-89	21 A	849.2
03L028	956.6	05-Aug-89	23 F	848.1
03L028	956.6	05-Oct-89	24 A	847.1
03L028	956.6	02-Nov-89	24 F	847.2
03L028	956.6	21-Dec-89	24 A	846.8
03L028	956.6	11-Jan-90	25 A	846.6
03L028	956.6	16-May-90	26 A	846.5
03L028	956.6	28-Feb-91	30 A	847.0
03L028	956.6	27-Sep-91	32 A	846.6
03L028	956.6	24-Mar-92	34 A	848.5
03L028	956.6	08-Oct-92	37 A	848.7
03L028	956.6	02-Mar-93	38 A	849.5
03L028	956.6	10-Sep-93	40 A	850.7
03L028	956.6	01-Mar-94	42 A	852.6
03L028	956.6	02-Sep-94	44 A	851.6
03L029	956.8	30-Nov-87	16 A	855.9
03L029	956.8	14-Dec-87	16 A	855.9
03L029	956.8	15-Dec-87	16 F	855.9
03L029	956.8	11-Jan-88	17 A	856.2
03L029	956.8	27-Jan-88	17 F	855.9
03L029	956.8	14-Apr-88	18 F	857.4
03L029	956.8	02-May-88	18 A	856.4
03L029	956.8	20-May-88	18 A	855.9
03L029	956.8	23-Jun-88	18 A	855.2
03L029	956.8	27-Jul-88	19 A	853.6
03L029	956.8	30-Aug-88	19 F	852.7
03L029	956.8	01-Sep-88	19 A	852.4
03L029	956.8	21-Sep-88	19 A	852.3
03L029	956.8	14-Oct-88	20 A	852.0
03L029	956.8	23-Nov-88	20 F	852.7
03L029	956.8	02-Dec-88	20 A	852.6
03L029	956.8	13-Jan-89	21 A	852.7
03L029	956.8	31-Mar-89	21 A	850.2
03L029	956.8	05-Oct-89	24 A	848.2
03L029	956.8	21-Dec-89	24 A	848.0
03L029	956.8	11-Jan-90	25 A	959.5
03L029	956.8	16-May-90	26 A	847.7
03L029	956.8	28-Feb-91	30 A	848.2
03L029	956.8	27-Sep-91	32 A	847.7
03L029	956.8	24-Mar-92	34 A	849.6
03L029	956.8	08-Oct-92	37 A	847.6
03L029	956.8	02-Mar-93	38 A	848.4
03L029	956.8	10-Sep-93	40 A	849.4
03L029	956.8	01-Mar-94	42 A	851.4
03L029	956.8	02-Sep-94	44 A	850.4
03L077	912.1	17-Nov-87	16 A	849.1
03L077	912.1	24-Nov-87	16 A	848.9
03L077	912.1	30-Nov-87	16 A	850.1
03L077	912.1	14-Dec-87	16 A	848.9
03L077	912.1	14-Dec-87	16 F	848.7
03L077	912.1	11-Jan-88	17 A	849.1
03L077	912.1	27-Jan-88	17 F	848.9
03L077	912.1	13-Apr-88	18 F	852.9
03L077	912.1	02-May-88	18 A	849.3
03L077	912.1	20-May-88	18 A	848.7
03L077	912.1	23-Jun-88	18 A	847.3
03L077	912.1	27-Jul-88	19 A	847.6
03L077	912.1	30-Aug-88	19 F	845.4
03L077	912.1	01-Sep-88	19 A	846.7
03L077	912.1	21-Sep-88	19 A	846.4
03L077	912.1	14-Oct-88	20 A	845.8
03L077	912.1	23-Nov-88	20 F	847.6
03L077	912.1	02-Dec-88	20 A	847.8
03L077	912.1	13-Jan-89	21 A	847.6
03L077	912.1	31-Mar-89	21 A	844.1
03L077	912.1	05-Aug-89	23 F	840.9
03L077	912.1	05-Oct-89	24 A	840.5
03L077	912.1	02-Nov-89	24 F	840.3
03L077	912.1	21-Dec-89	24 A	839.9
03L077	912.1	11-Jan-90	25 A	839.9
03L077	912.1	16-May-90	26 A	840.0
03L077	912.1	28-Feb-91	30 A	840.5
03L077	912.1	27-Sep-91	32 A	840.0
03L077	912.1	24-Mar-92	34 A	842.0
03L077	912.1	08-Oct-92	37 A	841.8
03L077	912.1	02-Mar-93	38 A	842.8
03L077	912.1	10-Sep-93	40 A	844.1

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L077	912.1	01-Mar-94	42 A	845.8
03L077	912.1	02-Sep-94	44 A	844.2
03L078	927.7	17-Nov-87	16 A	850.8
03L078	927.7	24-Nov-87	16 A	850.6
03L078	927.7	30-Nov-87	16 A	850.7
03L078	927.7	14-Dec-87	16 A	850.5
03L078	927.7	14-Dec-87	16 F	850.6
03L078	927.7	11-Jan-88	17 A	851.0
03L078	927.7	27-Jan-88	17 F	850.9
03L078	927.7	13-Apr-88	18 F	853.8
03L078	927.7	02-May-88	18 A	851.2
03L078	927.7	20-May-88	18 A	850.6
03L078	927.7	23-Jun-88	18 A	849.9
03L078	927.7	27-Jul-88	19 A	848.5
03L078	927.7	30-Aug-88	19 F	847.7
03L078	927.7	01-Sep-88	19 A	848.4
03L078	927.7	21-Sep-88	19 A	848.2
03L078	927.7	14-Oct-88	20 A	847.3
03L078	927.7	23-Nov-88	20 F	849.2
03L078	927.7	02-Dec-88	20 A	849.2
03L078	927.7	13-Jan-89	21 A	848.3
03L078	927.7	31-Mar-89	21 A	844.9
03L078	927.7	05-Aug-89	23 F	843.4
03L078	927.7	05-Oct-89	24 A	843.1
03L078	927.7	02-Nov-89	24 F	842.8
03L078	927.7	21-Dec-89	24 A	842.5
03L078	927.7	11-Jan-90	25 A	842.2
03L078	927.7	16-May-90	26 A	842.1
03L078	927.7	28-Feb-91	30 A	842.6
03L078	927.7	27-Sep-91	32 A	842.2
03L078	927.7	24-Mar-92	34 A	844.1
03L078	927.7	08-Oct-92	37 A	844.3
03L078	927.7	02-Mar-93	38 A	845.1
03L078	927.7	10-Sep-93	40 A	846.4
03L078	927.7	01-Mar-94	42 A	848.0
03L078	927.7	02-Sep-94	44 A	846.9
03L079	923.5	17-Nov-87	16 A	850.8
03L079	923.5	24-Nov-87	16 A	851.5
03L079	923.5	30-Nov-87	16 A	850.8
03L079	923.5	14-Dec-87	16 A	850.6
03L079	923.5	14-Dec-87	16 F	850.2
03L079	923.5	11-Jan-88	17 A	850.9
03L079	923.5	27-Jan-88	17 F	850.3
03L079	923.5	14-Apr-88	18 F	853.4
03L079	923.5	02-May-88	18 A	851.2
03L079	923.5	20-May-88	18 A	850.7
03L079	923.5	23-Jun-88	18 A	850.0
03L079	923.5	27-Jul-88	19 A	848.5
03L079	923.5	30-Aug-88	19 F	847.1
03L079	923.5	01-Sep-88	19 A	847.5
03L079	923.5	21-Sep-88	19 A	848.3
03L079	923.5	14-Oct-88	20 A	846.9
03L079	923.5	23-Nov-88	20 F	848.7
03L079	923.5	02-Dec-88	20 A	849.4
03L079	923.5	13-Jan-89	21 A	847.6
03L079	923.5	31-Mar-89	21 A	844.6
03L079	923.5	05-Aug-89	23 F	842.8
03L079	923.5	05-Oct-89	24 A	842.8
03L079	923.5	02-Nov-89	24 F	841.9
03L079	923.5	21-Dec-89	24 A	843.3
03L079	923.5	11-Jan-90	25 A	842.0
03L079	923.5	16-May-90	26 A	842.0
03L079	923.5	28-Feb-91	30 A	842.4
03L079	923.5	27-Sep-91	32 A	842.0
03L079	923.5	24-Mar-92	34 A	843.7
03L079	923.5	08-Oct-92	37 A	844.2
03L079	923.5	02-Mar-93	38 A	844.9
03L079	923.5	10-Sep-93	40 A	846.2
03L079	923.5	01-Mar-94	42 A	847.9
03L079	923.5	02-Sep-94	44 A	846.8
03L080	960.8	30-Nov-87	16 A	855.5
03L080	960.8	14-Dec-87	16 A	854.7
03L080	960.8	14-Dec-87	16 F	854.6
03L080	960.8	11-Jan-88	17 A	855.7
03L080	960.8	27-Jan-88	17 F	855.6
03L080	960.8	14-Apr-88	18 F	856.3
03L080	960.8	02-May-88	18 A	855.9
03L080	960.8	20-May-88	18 A	855.5
03L080	960.8	23-Jun-88	18 A	854.5
03L080	960.8	27-Jul-88	19 A	853.0
03L080	960.8	30-Aug-88	19 F	851.9
03L080	960.8	01-Sep-88	19 A	851.9
03L080	960.8	21-Sep-88	19 A	851.6
03L080	960.8	14-Oct-88	20 A	851.4
03L080	960.8	23-Nov-88	20 F	851.5
03L080	960.8	02-Dec-88	20 A	851.9
03L080	960.8	13-Jan-89	21 A	852.1
03L080	960.8	31-Mar-89	21 A	850.6
03L080	960.8	05-Aug-89	23 F	849.1
03L080	960.8	05-Oct-89	24 A	848.4
03L080	960.8	04-Nov-89	24 F	848.2
03L080	960.8	21-Dec-89	24 A	848.1
03L080	960.8	11-Jan-90	25 A	847.9
03L080	960.8	16-May-90	26 A	847.9
03L080	960.8	28-Feb-91	30 A	848.4
03L080	960.8	27-Sep-91	32 A	848.0
03L080	960.8	24-Mar-92	34 A	850.0
03L080	960.8	08-Oct-92	37 A	850.4
03L080	960.8	02-Mar-93	38 A	851.3
03L080	960.8	10-Sep-93	40 A	852.5
03L080	960.8	01-Mar-94	42 A	854.3
03L080	960.8	02-Sep-94	44 A	853.3
03L081	946.5	14-Dec-87	16 A	857.4
03L081	946.5	14-Dec-87	16 F	857.5
03L081	946.5	11-Jan-88	17 A	857.7
03L081	946.5	27-Jan-88	17 F	857.7
03L081	946.5	14-Apr-88	18 F	857.9
03L081	946.5	02-May-88	18 A	857.6
03L081	946.5	20-May-88	18 A	857.3
03L081	946.5	23-Jun-88	18 A	855.9
03L081	946.5	27-Jul-88	19 A	854.4
03L081	946.5	30-Aug-88	19 F	854.7
03L081	946.5	01-Sep-88	19 A	853.5
03L081	946.5	21-Sep-88	19 A	853.2
03L081	946.5	14-Oct-88	20 A	853.1
03L081	946.5	23-Nov-88	20 F	853.3
03L081	946.5	02-Dec-88	20 A	853.4
03L081	946.5	13-Jan-89	21 A	853.7
03L081	946.5	31-Mar-89	21 A	853.0
03L081	946.5	05-Aug-89	23 F	851.4
03L081	946.5	05-Oct-89	24 A	850.6
03L081	946.5	04-Nov-89	24 F	850.8
03L081	946.5	21-Dec-89	24 A	850.5
03L081	946.5	11-Jan-90	25 A	850.3
03L081	946.5	16-May-90	26 A	850.2
03L081	946.5	28-Feb-91	30 A	851.0
03L081	946.5	29-Mar-91	30 F	850.7
03L081	946.5	27-Sep-91	32 A	850.5
03L081	946.5	11-Mar-92	34 F	852.7
03L081	946.5	24-Mar-92	34 A	852.6
03L081	946.5	08-Oct-92	37 A	853.0
03L081	946.5	02-Mar-93	38 A	853.8
03L081	946.5	09-Mar-93	38 F	853.8
03L081	946.5	10-Sep-93	40 A	854.9
03L081	946.5	01-Mar-94	42 A	856.7
03L081	946.5	16-Mar-94	42 F	856.8
03L081	946.5	02-Sep-94	44 A	855.8
03L084	898.5	14-Dec-87	16 F	850.5
03L084	898.5	26-Jan-88	17 F	850.4
03L084	898.5	14-Apr-88	18 F	851.9
03L084	898.5	02-May-88	18 A	850.9
03L084	898.5	20-May-88	18 A	850.3
03L084	898.5	23-Jun-88	18 A	848.6

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L084	898.5	27-Jul-88	19 A	847.2
03L084	898.5	30-Aug-88	19 F	847.8
03L084	898.5	01-Sep-88	19 A	846.8
03L084	898.5	21-Sep-88	19 A	846.7
03L084	898.5	14-Oct-88	20 A	846.8
03L084	898.5	23-Nov-88	20 F	847.4
03L084	898.5	02-Dec-88	20 A	847.9
03L084	898.5	31-Mar-89	21 A	844.4
03L084	898.5	05-Aug-89	23 F	842.3
03L084	898.5	05-Oct-89	24 A	842.4
03L084	898.5	02-Nov-89	24 F	842.3
03L084	898.5	21-Dec-89	24 A	841.9
03L084	898.5	11-Jan-90	25 A	842.0
03L084	898.5	16-May-90	26 A	842.1
03L084	898.5	28-Feb-91	30 A	842.7
03L084	898.5	27-Sep-91	32 A	842.1
03L084	898.5	24-Mar-92	34 A	844.0
03L084	898.5	08-Oct-92	37 A	843.9
03L084	898.5	02-Mar-93	38 A	844.9
03L084	898.5	10-Sep-93	40 A	846.2
03L084	898.5	01-Mar-94	42 A	847.9
03L084	898.5	02-Sep-94	44 A	846.5
03L086	960.8	14-Dec-87	16 F	857.5
03L086	960.8	26-Jan-88	17 F	857.6
03L086	960.8	14-Apr-88	18 F	857.9
03L086	960.8	30-Aug-88	19 F	853.7
03L086	960.8	23-Nov-88	20 F	853.4
03L086	960.8	05-Aug-89	23 F	851.3
03L086	960.8	04-Nov-89	24 F	850.7
03L086	960.8	03-May-90	26 F	851.3
03L086	960.8	19-Jul-90	27 F	851.3
03L086	960.8	01-Apr-91	30 F	850.5
03L086	960.8	11-Mar-92	34 F	852.7
03L086	960.8	02-Mar-93	38 F	853.9
03L086	960.8	16-Mar-94	42 F	856.6
03L091	1008.5	14-Dec-87	16 F	859.3
03L091	1008.5	26-Jan-88	17 F	859.5
03L091	1008.5	14-Apr-88	18 F	859.4
03L091	1008.5	30-Aug-88	19 F	855.1
03L091	1008.5	23-Nov-88	20 F	854.9
03L091	1008.5	05-Aug-89	23 F	853.3
03L091	1008.5	02-Nov-89	24 F	852.5
03L091	1008.5	01-May-90	26 F	852.4
03L091	1008.5	26-Mar-91	30 F	853.1
03L091	1008.5	12-Mar-92	34 F	855.0
03L091	1008.5	05-Mar-93	38 F	854.6
03L091	1008.5	15-Mar-94	42 F	859.1
03L113	974.9	14-Dec-87	16 F	858.3
03L113	974.9	27-Jan-88	17 F	858.5
03L113	974.9	14-Apr-88	18 F	858.4
03L113	974.9	02-May-88	18 A	861.1
03L113	974.9	20-May-88	18 A	860.7
03L113	974.9	30-Aug-88	19 F	855.1
03L113	974.9	01-Sep-88	19 A	856.8
03L113	974.9	21-Sep-88	19 A	856.6
03L113	974.9	23-Nov-88	20 F	853.9
03L113	974.9	13-Jan-89	21 A	856.8
03L113	974.9	31-Mar-89	21 A	856.8
03L113	974.9	05-Aug-89	23 F	852.8
03L113	974.9	05-Oct-89	24 A	854.3
03L113	974.9	02-Nov-89	24 F	851.5
03L113	974.9	21-Dec-89	24 A	854.2
03L113	974.9	11-Jan-90	25 A	854.1
03L113	974.9	26-Apr-90	26 F	851.1
03L113	974.9	16-May-90	26 A	854.0
03L113	974.9	19-Jul-90	27 F	851.3
03L113	974.9	28-Feb-91	30 A	854.8
03L113	974.9	28-Mar-91	30 F	852.0
03L113	974.9	27-Sep-91	32 A	854.6
03L113	974.9	13-Mar-92	34 F	854.1
03L113	974.9	24-Mar-92	34 A	856.6
03L113	974.9	08-Oct-92	37 A	853.7
03L113	974.9	02-Mar-93	38 A	854.8
03L113	974.9	03-Mar-93	38 F	854.8
03L113	974.9	10-Sep-93	40 A	856.1
03L113	974.9	01-Mar-94	42 A	857.8
03L113	974.9	15-Mar-94	42 F	858.0
03L113	974.9	02-Sep-94	44 A	856.7
03L137	972.5	02-Nov-89	24 F	850.8
03L137	972.5	24-Apr-90	26 F	850.7
03L137	972.5	18-Jul-90	27 F	850.6
03L137	972.5	19-Sep-90	28 F	850.5
03L137	972.5	27-Mar-91	30 F	851.3
03L137	972.5	04-Jun-91	31 F	851.3
03L137	972.5	04-Sep-91	32 F	850.9
03L137	972.5	12-Mar-92	34 F	853.2
03L137	972.5	03-Jun-92	35 F	853.8
03L137	972.5	03-Sep-92	36 F	853.1
03L137	972.5	02-Mar-93	38 F	854.4
03L137	972.5	08-Sep-93	40 F	855.8
03L137	972.6	16-Mar-94	42 F	857.4
03L137	972.6	08-Sep-94	44 F	856.4
03L138	965.6	02-Nov-89	24 F	850.5
03L138	965.6	24-Apr-90	26 F	850.4
03L138	965.6	18-Jul-90	27 F	850.3
03L138	965.6	19-Sep-90	28 F	850.1
03L138	965.6	29-Mar-91	30 F	850.8
03L138	965.6	04-Jun-91	31 F	850.8
03L138	965.6	04-Sep-91	32 F	850.6
03L138	965.6	12-Mar-92	34 F	852.7
03L138	965.6	03-Jun-92	35 F	853.3
03L138	965.6	04-Sep-92	36 F	852.6
03L138	965.6	05-Mar-93	38 F	853.9
03L138	965.6	08-Sep-93	40 F	855.2
03L138	965.6	16-Mar-94	42 F	856.8
03L138	965.6	08-Sep-94	44 F	855.9
03L523	995.8	02-Nov-89	24 F	866.4
03L523	995.8	27-Apr-90	26 F	866.8
03L523	995.8	26-Mar-91	30 F	868.1
03L523	995.8	04-Sep-91	32 F	868.2
03L523		05-Aug-92	Well Abandoned	
03L673	897.7	17-Nov-87	16 A	863.9
03L673	897.7	24-Nov-87	16 A	863.6
03L673	897.7	30-Nov-87	16 A	863.9
03L673	897.7	14-Dec-87	16 A	863.4
03L673	897.7	14-Dec-87	16 F	845.4
03L673	897.7	11-Jan-88	17 A	863.6
03L673	897.7	27-Jan-88	17 F	845.6
03L673	897.7	13-Apr-88	18 F	847.0
03L673	897.7	02-May-88	18 A	863.9
03L673	897.7	20-May-88	18 A	863.5
03L673	897.7	23-Jun-88	18 A	862.0
03L673	897.7	27-Jul-88	19 A	861.1
03L673	897.7	30-Aug-88	19 F	842.3
03L673	897.7	01-Sep-88	19 A	860.2
03L673	897.7	21-Sep-88	19 A	859.9
03L673	897.7	14-Oct-88	20 A	860.2
03L673	897.7	23-Nov-88	20 F	842.9
03L673	897.7	02-Dec-88	20 A	860.6
03L673	897.7	13-Jan-89	21 A	860.9
03L673	897.7	31-Mar-89	21 A	859.0
03L673	897.7	07-Jul-89	23 A	857.2
03L673	897.7	03-Aug-89	23 F	839.3
03L673	897.7	05-Oct-89	24 A	856.9
03L673	897.7	03-Nov-89	24 F	838.6
03L673	897.7	21-Dec-89	24 A	856.3
03L673	897.7	11-Jan-90	25 A	856.5
03L673	897.7	16-May-90	26 A	856.5
03L673	897.7	16-Jul-90	27 A	856.1
03L673	897.7	28-Feb-91	30 A	856.5
03L673	897.7	03-Jun-91	31 A	856.3

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L673	897.7	03-Sep-91	32 A	855.6
03L673	897.7	27-Sep-91	32 A	855.9
03L673	897.7	06-Dec-91	33 A	857.1
03L673	897.7	24-Mar-92	34 A	857.2
03L673	897.7	01-Jun-92	35 A	858.1
03L673	897.7	01-Sep-92	36 A	857.5
03L673	897.7	08-Oct-92	37 A	839.7
03L673	897.7	02-Mar-93	38 A	840.5
03L673	897.7	10-Sep-93	40 A	841.7
03L673	897.7	01-Mar-94	42 A	843.2
03L673	897.7	30-Mar-94	42 A	843.0
03L673	897.7	31-Mar-94	42 A	843.4
03L673	897.7	10-Apr-94	43 A	843.2
03L673	897.7	17-Apr-94	43 A	843.0
03L673	897.7	18-Apr-94	43 A	843.9
03L673	897.7	18-Apr-94	43 A	844.0
03L673	897.7	18-Apr-94	43 A	843.9
03L673	897.7	19-Apr-94	43 A	843.1
03L673	897.7	20-Apr-94	43 A	843.1
03L673	897.7	21-Apr-94	43 A	843.1
03L673	897.7	22-Apr-94	43 A	843.2
03L673	897.7	25-Apr-94	43 A	843.6
03L673	897.7	26-Apr-94	43 A	843.8
03L673	897.7	28-Apr-94	43 A	843.0
03L673	897.7	29-Apr-94	43 A	842.9
03L673	897.7	02-May-94	43 A	843.2
03L673	897.7	09-May-94	43 A	843.3
03L673	897.7	16-May-94	43 A	842.9
03L673	897.7	23-May-94	43 A	843.2
03L673	897.7	20-Jun-94	43 A	842.8
03L673	897.7	19-Jul-94	44 A	844.3
03L673	897.7	02-Sep-94	44 A	841.9
03L673	897.7	10-Oct-94	45 A	842.2
03L802	907.6	17-Nov-87	16 A	852.8
03L802	907.6	24-Nov-87	16 A	853.3
03L802	907.6	30-Nov-87	16 A	852.8
03L802	907.6	14-Dec-87	16 A	852.0
03L802	907.6	14-Dec-87	16 F	855.3
03L802	907.6	11-Jan-88	17 A	853.2
03L802	907.6	26-Jan-88	17 F	853.5
03L802	907.6	13-Apr-88	18 F	855.8
03L802	907.6	02-May-88	18 A	852.6
03L802	907.6	20-May-88	18 A	852.0
03L802	907.6	23-Jun-88	18 A	851.2
03L802	907.6	27-Jul-88	19 A	850.5
03L802	907.6	30-Aug-88	19 F	850.4
03L802	907.6	01-Sep-88	19 A	848.8
03L802	907.6	21-Sep-88	19 A	848.4
03L802	907.6	14-Oct-88	20 A	848.9
03L802	907.6	23-Nov-88	20 F	850.1
03L802	907.6	02-Dec-88	20 A	849.9
03L802	907.6	13-Jan-89	21 A	849.0
03L802	907.6	31-Mar-89	21 A	846.7
03L802	907.6	07-Jul-89	23 A	844.7
03L802	907.6	03-Aug-89	23 F	844.9
03L802	907.6	05-Oct-89	24 A	844.0
03L802	907.6	03-Nov-89	24 F	843.8
03L802	907.6	21-Dec-89	24 A	844.1
03L802	907.6	11-Jan-90	25 A	843.7
03L802	907.6	16-May-90	26 A	843.5
03L802	907.6	16-Jul-90	27 A	843.1
03L802	907.6	28-Feb-91	30 A	843.8
03L802	907.6	03-Jun-91	31 A	843.5
03L802	907.6	03-Sep-91	32 A	843.1
03L802	907.6	27-Sep-91	32 A	843.2
03L802	907.6	06-Dec-91	33 A	844.5
03L802	907.6	24-Mar-92	34 A	845.1
03L802	907.6	01-Jun-92	35 A	845.7
03L802	907.6	01-Sep-92	36 A	845.4
03L802	907.6	08-Oct-92	37 A	844.3
03L802	907.6	02-Mar-93	38 A	845.0
03L802	907.6	10-Sep-93	40 A	846.3
03L802	907.6	01-Mar-94	42 A	847.9
03L802	907.6	02-Sep-94	44 A	846.9
03L806	909.6	17-Nov-87	16 A	848.4
03L806	909.6	24-Nov-87	16 A	848.9
03L806	909.6	30-Nov-87	16 A	848.3
03L806	909.6	14-Dec-87	16 A	848.3
03L806	909.6	14-Dec-87	16 F	848.1
03L806	909.6	11-Jan-88	17 A	849.1
03L806	909.6	27-Jan-88	17 F	848.0
03L806	909.6	13-Apr-88	18 F	850.5
03L806	909.6	02-May-88	18 A	848.4
03L806	909.6	20-May-88	18 A	847.8
03L806	909.6	23-Jun-88	18 A	846.3
03L806	909.6	27-Jul-88	19 A	846.0
03L806	909.6	30-Aug-88	19 F	844.7
03L806	909.6	01-Sep-88	19 A	845.2
03L806	909.6	21-Sep-88	19 A	844.4
03L806	909.6	14-Oct-88	20 A	845.0
03L806	909.6	23-Nov-88	20 F	846.3
03L806	909.6	02-Dec-88	20 A	846.1
03L806	909.6	13-Jan-89	21 A	846.0
03L806	909.6	31-Mar-89	21 A	842.1
03L806	909.6	07-Jul-89	23 A	840.3
03L806	909.6	03-Aug-89	23 F	840.5
03L806	909.6	05-Oct-89	24 A	839.9
03L806	909.6	03-Nov-89	24 F	840.1
03L806	909.6	21-Dec-89	24 A	839.4
03L806	909.6	11-Jan-90	25 A	839.6
03L806	909.6	16-May-90	26 A	839.7
03L806	909.6	16-Jul-90	27 A	839.3
03L806	909.6	28-Feb-91	30 A	840.0
03L806	909.6	03-Jun-91	31 A	839.8
03L806	909.6	03-Sep-91	32 A	839.0
03L806	909.6	27-Sep-91	32 A	839.4
03L806	909.6	06-Dec-91	33 A	840.7
03L806	909.6	24-Mar-92	34 A	841.4
03L806	909.6	01-Jun-92	35 A	841.4
03L806	909.6	01-Sep-92	36 A	841.0
03L806	909.6	08-Oct-92	37 A	841.6
03L806	909.6	02-Mar-93	38 A	842.6
03L806	909.6	10-Sep-93	40 A	843.9
03L806	909.6	01-Mar-94	42 A	845.5
03L806	909.6	02-Sep-94	44 A	844.0
03L809	911.9	17-Nov-87	16 A	848.8
03L809	911.9	24-Nov-87	16 A	848.7
03L809	911.9	30-Nov-87	16 A	848.7
03L809	911.9	14-Dec-87	16 A	848.4
03L809	911.9	11-Jan-88	17 A	849.4
03L809	911.9	26-Jan-88	17 F	848.5
03L809	911.9	13-Apr-88	18 F	850.2
03L809	911.9	02-May-88	18 A	848.7
03L809	911.9	20-May-88	18 A	848.1
03L809	911.9	23-Jun-88	18 A	846.4
03L809	911.9	27-Jul-88	19 A	845.7
03L809	911.9	30-Aug-88	19 F	844.8
03L809	911.9	01-Sep-88	19 A	845.2
03L809	911.9	21-Sep-88	19 A	844.6
03L809	911.9	14-Oct-88	20 A	845.1
03L809	911.9	23-Nov-88	20 F	846.2
03L809	911.9	02-Dec-88	20 A	845.9
03L809	911.9	13-Jan-89	21 A	845.9
03L809	911.9	31-Mar-89	21 A	842.9
03L809	911.9	10-May-89	22 F	840.9
03L809	911.9	04-Aug-89	23 F	841.1
03L809	911.9	05-Oct-89	24 A	840.5
03L809	911.9	03-Nov-89	24 F	840.6
03L809	911.9	21-Dec-89	24 A	840.3
03L809	911.9	11-Jan-90	25 A	840.5
03L809	911.9	24-Apr-90	26 F	839.5
03L809	911.9	16-May-90	26 A	840.6
03L809	911.9	20-Jul-90	27 F	840.2
03L809	911.9	17-Sep-90	28 F	839.7
03L809	911.9	28-Feb-91	30 A	840.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L809	911.9	21-Mar-91	30 F	840.8
03L809	911.9	03-Sep-91	32 A	840.8
03L809	911.9	27-Sep-91	32 A	840.2
03L809	911.9	19-Mar-92	34 F	842.2
03L809	911.9	24-Mar-92	34 A	842.1
03L809	911.9	08-Oct-92	37 A	843.0
03L809	911.9	02-Mar-93	38 A	844.0
03L809	911.9	10-Mar-93	38 F	843.9
03L809	911.9	10-Sep-93	40 A	845.3
03L809	911.9	01-Mar-94	42 A	846.9
03L809	911.9	17-Mar-94	42 F	846.6
03L809	911.9	02-Sep-94	44 A	845.4
03L811	908.4	14-Dec-87	16 F	846.4
03L811	908.4	27-Jan-88	17 F	846.4
03L811	908.4	13-Apr-88	18 F	847.7
03L811	908.4	30-Aug-88	19 F	842.6
03L811	908.4	23-Nov-88	20 F	844.0
03L811	908.4	04-May-89	22 F	839.1
03L811	908.4	04-Aug-89	23 F	839.3
03L811	908.4	03-Nov-89	24 F	838.9
03L811	908.4	26-Apr-90	26 F	839.1
03L811	908.4	20-Mar-91	30 F	839.4
03L811	908.4	20-Mar-92	34 F	840.6
03L811	908.4	03-Mar-93	38 F	840.7
03L811	908.4	18-Mar-94	42 F	844.9
03L813	870.4	14-Dec-87	16 F	844.1
03L813	870.4	27-Jan-88	17 F	844.2
03L813	870.4	13-Apr-88	18 F	845.1
03L813	870.4	30-Aug-88	19 F	840.1
03L813	870.4	23-Nov-88	20 F	841.6
03L813	870.4	05-May-89	22 F	835.5
03L813	870.4	04-Aug-89	23 F	837.5
03L813	870.4	03-Nov-89	24 F	837.3
03L813	870.4	03-May-90	26 F	837.9
03L813	870.4	01-Apr-91	30 F	837.3
03L813	870.4	25-Mar-92	34 F	839.4
03L813	870.4	03-Mar-93	38 F	839.7
03L822	876.6	14-Dec-87	16 F	837.3
03L822	876.6	26-Jan-88	17 F	837.4
03L822	876.6	13-Apr-88	18 F	838.0
03L822	876.6	30-Aug-88	19 F	833.4
03L822	876.6	23-Nov-88	20 F	834.7
03L822	876.6	05-May-89	22 F	831.5
03L822	876.6	04-Aug-89	23 F	830.7
03L822	876.6	03-Nov-89	24 F	831.1
03L822	876.6	25-Apr-90	26 F	831.4
03L822	876.6	21-Mar-91	30 F	831.0
03L822	876.6	23-Mar-92	34 F	832.7
03L822	876.6	04-Mar-93	38 F	832.8
03L822	876.6	18-Mar-94	42 F	836.1
03L832	884.6	14-Dec-87	16 F	836.5
03L832	884.6	26-Jan-88	17 F	836.7
03L832	884.6	13-Apr-88	18 F	837.0
03L832	884.6	30-Aug-88	19 F	832.2
03L832	884.6	23-Nov-88	20 F	833.7
03L832	884.6	09-May-89	22 F	830.7
03L832	884.6	04-Aug-89	23 F	829.7
03L832	884.6	03-Nov-89	24 F	830.3
03L832	884.6	25-Apr-90	26 F	830.6
03L832	884.6	20-Mar-91	30 F	830.0
03L832	884.6	24-Mar-92	34 F	832.5
03L832	884.6	04-Mar-93	38 F	831.8
03L832	884.6	30-Mar-94	42 A	834.6
03L832	884.6	31-Mar-94	42 A	834.9
03L832	884.6	10-Apr-94	43 A	834.9
03L832	884.6	17-Apr-94	43 A	835.0
03L832	884.6	18-Apr-94	43 A	835.4
03L832	884.6	18-Apr-94	43 A	835.4
03L832	884.6	18-Apr-94	43 A	835.3
03L832	884.6	19-Apr-94	43 A	834.7
03L832	884.6	20-Apr-94	43 A	834.9
03L832	884.6	21-Apr-94	43 A	835.0
03L832	884.6	22-Apr-94	43 A	835.1
03L832	884.6	25-Apr-94	43 A	835.2
03L832	884.6	26-Apr-94	43 A	835.3
03L832	884.6	28-Apr-94	43 A	834.6
03L832	884.6	29-Apr-94	43 A	834.7
03L832	884.6	02-May-94	43 A	835.1
03L832	884.6	09-May-94	43 A	834.9
03L832	884.6	16-May-94	43 A	834.3
03L832	884.6	23-May-94	43 A	834.1
03L832	884.6	20-Jun-94	43 A	833.3
03L832	884.6	19-Jul-94	44 A	833.3
03L832	884.6	10-Oct-94	45 A	832.5
03L833	908.0	01-Mar-94	42 A	845.6
03L833	908.0	02-Sep-94	44 A	844.1
03L841	911.3	14-Dec-87	16 F	844.7
03L841	911.3	26-Jan-88	17 F	844.8
03L841	911.3	13-Apr-88	18 F	847.7
03L841	911.3	30-Aug-88	19 F	841.4
03L841	911.3	23-Nov-88	20 F	842.2
03L841	911.3	07-Aug-89	23 F	837.9
03L841	911.3	03-Nov-89	24 F	837.7
03L841	911.3	16-May-90	26 A	837.8
03L841	911.3	28-Feb-91	30 A	837.8
03L841	911.3	20-Mar-91	30 F	837.7
03L841	911.3	03-Sep-91	32 A	837.8
03L841	911.3	27-Sep-91	32 A	837.1
03L841	911.3	19-Mar-92	34 F	839.5
03L841	911.3	24-Mar-92	34 A	839.0
03L841	911.3	08-Oct-92	37 A	839.0
03L841	911.3	02-Mar-93	38 A	839.9
03L841	911.3	10-Mar-93	38 F	839.7
03L841	911.3	10-Sep-93	40 A	841.1
03L841	911.3	01-Mar-94	42 A	842.6
03L841	911.3	18-Mar-94	42 F	843.6
03L841	911.3	30-Mar-94	42 A	842.4
03L841	911.3	31-Mar-94	42 A	842.8
03L841	911.3	10-Apr-94	43 A	842.5
03L841	911.3	17-Apr-94	43 A	842.3
03L841	911.3	18-Apr-94	43 A	843.3
03L841	911.3	18-Apr-94	43 A	843.3
03L841	911.3	18-Apr-94	43 A	843.2
03L841	911.3	19-Apr-94	43 A	842.4
03L841	911.3	20-Apr-94	43 A	842.4
03L841	911.3	21-Apr-94	43 A	842.4
03L841	911.3	22-Apr-94	43 A	842.5
03L841	911.3	25-Apr-94	43 A	842.9
03L841	911.3	26-Apr-94	43 A	843.1
03L841	911.3	28-Apr-94	43 A	842.3
03L841	911.3	29-Apr-94	43 A	842.3
03L841	911.3	02-May-94	43 A	842.5
03L841	911.3	09-May-94	43 A	842.6
03L841	911.3	16-May-94	43 A	842.3
03L841	911.3	23-May-94	43 A	842.5
03L841	911.3	20-Jun-94	43 A	842.1
03L841	911.3	19-Jul-94	44 A	843.4
03L841	911.3	02-Sep-94	44 A	841.1
03L841	911.3	10-Oct-94	45 A	841.5
03L846	887.6	30-Aug-88	19 F	829.9
03L846	887.6	23-Nov-88	20 F	832.9
03L846	887.6	03-May-89	22 F	829.8
03L846	887.6	07-Aug-89	23 F	828.0
03L846	887.6	02-Nov-89	24 F	828.0
03L846	887.6	19-Apr-90	26 F	828.1
03L846	887.6	18-Mar-91	30 F	827.7
03L846	887.6	25-Mar-92	34 F	829.6
03L846	887.6	04-Mar-93	38 F	829.3
03L846	887.6	18-Mar-94	42 F	831.6
03L846	887.6	17-Apr-94	43 A	832.6
03L846	887.6	18-Apr-94	43 A	832.9

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L846	887.6	18-Apr-94	43 A	832.8
03L846	887.6	18-Apr-94	43 A	833.0
03L846	887.6	19-Apr-94	43 A	832.5
03L846	887.6	20-Apr-94	43 A	832.6
03L846	887.6	21-Apr-94	43 A	832.7
03L846	887.6	22-Apr-94	43 A	832.7
03L846	887.6	25-Apr-94	43 A	832.8
03L846	887.6	26-Apr-94	43 A	832.9
03L846	887.6	28-Apr-94	43 A	832.4
03L846	887.6	29-Apr-94	43 A	832.4
03L846	887.6	02-May-94	43 A	832.7
03L846	887.6	09-May-94	43 A	832.5
03L846	887.6	16-May-94	43 A	832.1
03L846	887.6	23-May-94	43 A	832.0
03L846	887.6	20-Jun-94	43 A	831.2
03L846	887.6	19-Jul-94	44 A	830.8
03L846	887.6	10-Oct-94	45 A	830.2
03L848	902.3	14-Dec-87	16 F	844.0
03L848	902.3	26-Jan-88	17 F	844.2
03L848	902.3	13-Apr-88	18 F	845.3
03L848	902.3	30-Aug-88	19 F	840.9
03L848	902.3	23-Nov-88	20 F	841.4
03L848	902.3	03-May-89	22 F	837.6
03L848	902.3	06-Aug-89	23 F	828.9
03L848	902.3	03-Nov-89	24 F	837.4
03L848	902.3	19-Apr-90	26 F	837.3
03L848	902.3	19-Jul-90	27 F	837.0
03L848	902.3	17-Sep-90	28 F	836.9
03L848	902.3	18-Mar-91	30 F	837.1
03L848	902.3	18-Mar-92	34 F	839.2
03L848	902.3	09-Mar-93	38 F	838.8
03L848	902.3	30-Mar-94	42 A	841.4
03L848	902.3	31-Mar-94	42 A	841.8
03L848	902.3	10-Apr-94	43 A	841.6
03L848	902.3	17-Apr-94	43 A	841.5
03L848	902.3	18-Apr-94	43 A	842.3
03L848	902.3	18-Apr-94	43 A	842.3
03L848	902.3	18-Apr-94	43 A	842.3
03L848	902.3	19-Apr-94	43 A	841.6
03L848	902.3	20-Apr-94	43 A	841.6
03L848	902.3	21-Apr-94	43 A	841.6
03L848	902.3	22-Apr-94	43 A	841.7
03L848	902.3	25-Apr-94	43 A	842.1
03L848	902.3	26-Apr-94	43 A	842.3
03L848	902.3	28-Apr-94	43 A	841.5
03L848	902.3	29-Apr-94	43 A	841.5
03L848	902.3	02-May-94	43 A	841.7
03L848	902.3	09-May-94	43 A	841.8
03L848	902.3	16-May-94	43 A	841.4
03L848	902.3	23-May-94	43 A	841.7
03L848	902.3	20-Jun-94	43 A	841.2
03L848	902.3	19-Jul-94	44 A	842.0
03L848	902.3	10-Oct-94	45 A	840.3
03L853	888.8	14-Dec-87	16 F	837.9
03L853	888.8	26-Jan-88	17 F	838.1
03L853	888.8	13-Apr-88	18 F	838.7
03L853	888.8	30-Aug-88	19 F	834.1
03L853	888.8	23-Nov-88	20 F	835.4
03L853	888.8	05-May-89	22 F	830.9
03L853	888.8	06-Aug-89	23 F	831.3
03L853	888.8	03-Nov-89	24 F	831.6
03L853	888.8	19-Apr-90	26 F	832.0
03L853	888.8	20-Jul-90	27 F	830.9
03L853	888.8	21-Mar-91	30 F	831.5
03L853	888.8	20-Mar-92	34 F	833.6
03L853	888.8	03-Mar-93	38 F	833.7
03L853	888.8	18-Mar-94	42 F	836.7
03L854	889.9	14-Dec-87	16 F	840.2
03L854	889.9	26-Jan-88	17 F	840.4
03L854	889.9	13-Apr-88	18 F	841.2
03L854	889.9	30-Aug-88	19 F	836.8
03L854	889.9	23-Nov-88	20 F	837.4
03L854	889.9	06-Aug-89	23 F	834.3
03L854	889.9	03-Nov-89	24 F	833.7
03L854	889.9	30-Apr-90	26 F	833.7
03L854	889.9	19-Mar-91	30 F	833.7
03L854	889.9	16-Mar-92	34 F	835.7
03L854	889.9	04-Mar-93	38 F	835.8
03L854	889.9	21-Mar-94	42 F	838.8
03L854	889.9	30-Mar-94	42 A	838.4
03L854	889.9	31-Mar-94	42 A	838.9
03L854	889.9	10-Apr-94	43 A	838.6
03L854	889.9	17-Apr-94	43 A	838.6
03L854	889.9	18-Apr-94	43 A	839.2
03L854	889.9	18-Apr-94	43 A	839.2
03L854	889.9	18-Apr-94	43 A	839.2
03L854	889.9	19-Apr-94	43 A	838.7
03L854	889.9	20-Apr-94	43 A	838.6
03L854	889.9	21-Apr-94	43 A	838.7
03L854	889.9	22-Apr-94	43 A	838.9
03L854	889.9	25-Apr-94	43 A	839.3
03L854	889.9	26-Apr-94	43 A	839.5
03L854	889.9	28-Apr-94	43 A	838.6
03L854	889.9	29-Apr-94	43 A	838.6
03L854	889.9	02-May-94	43 A	838.9
03L854	889.9	09-May-94	43 A	839.0
03L854	889.9	16-May-94	43 A	838.6
03L854	889.9	23-May-94	43 A	838.8
03L854	889.9	20-Jun-94	43 A	838.3
03L854	889.9	19-Jul-94	44 A	838.3
03L854	889.9	10-Oct-94	45 A	836.9
03L856	872.6	14-Dec-87	16 F	841.7
03L856	872.6	26-Jan-88	17 F	841.8
03L856	872.6	13-Apr-88	18 F	842.6
03L856	872.6	30-Aug-88	19 F	837.6
03L856	872.6	23-Nov-88	20 F	838.2
03L856	872.6	05-May-89	22 F	835.7
03L856	872.6	06-Aug-89	23 F	834.6
03L856	872.6	03-Nov-89	24 F	835.1
03L856	872.6	27-Apr-90	26 F	839.7
03L856	872.6	21-Mar-91	30 F	835.6
03L856	872.6	20-Mar-92	34 F	837.4
03L856	872.6	04-Mar-93	38 F	838.2
03L856	872.6	21-Mar-94	42 F	840.9
03L858	994.1	14-Dec-87	16 F	896.6
03L858	994.1	26-Jan-88	17 F	896.6
03L858	994.1	13-Apr-88	18 F	896.6
03L858	994.1	30-Aug-88	19 F	896.2
03L858	994.1	05-May-89	22 F	893.8
03L858	994.1	06-Aug-89	23 F	893.7
03L858	994.1	03-Nov-89	24 F	893.7
03L858	994.1	17-Apr-90	26 F	894.1
03L858	994.1	25-Mar-91	30 F	893.7
03L858	994.1	25-Mar-92	34 F	893.7
03L858	994.1	05-Mar-93	38 F	895.0
03L858	994.1	22-Mar-94	42 F	895.8
03L859	900.9	14-Dec-87	16 F	840.7
03L859	900.9	26-Jan-88	17 F	841.0
03L859	900.9	13-Apr-88	18 F	841.9
03L859	900.9	30-Aug-88	19 F	837.5
03L859	900.9	23-Nov-88	20 F	838.2
03L859	900.9	06-Aug-89	23 F	836.7
03L859	900.9	03-Nov-89	24 F	834.5
03L859	900.9	30-Apr-90	26 F	834.2
03L859	900.9	20-Mar-91	30 F	814.3
03L859	900.9	20-Mar-92	34 F	836.2
03L859	900.9	03-Mar-93	38 F	836.5
03L859	900.9	18-Mar-94	42 F	839.6
03L859	900.9	30-Mar-94	42 A	839.0
03L859	900.9	31-Mar-94	42 A	839.5
03L859	900.9	10-Apr-94	43 A	839.2
03L859	900.9	17-Apr-94	43 A	839.1

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L859	900.9	18-Apr-94	43 A	839.8
03L859	900.9	18-Apr-94	43 A	839.8
03L859	900.9	18-Apr-94	43 A	839.8
03L859	900.9	19-Apr-94	43 A	839.2
03L859	900.9	20-Apr-94	43 A	839.2
03L859	900.9	21-Apr-94	43 A	838.7
03L859	900.9	22-Apr-94	43 A	839.5
03L859	900.9	25-Apr-94	43 A	839.8
03L859	900.9	26-Apr-94	43 A	840.0
03L859	900.9	28-Apr-94	43 A	839.1
03L859	900.9	29-Apr-94	43 A	839.1
03L859	900.9	02-May-94	43 A	839.4
03L859	900.9	09-May-94	43 A	839.5
03L859	900.9	16-May-94	43 A	839.0
03L859	900.9	23-May-94	43 A	839.3
03L859	900.9	20-Jun-94	43 A	838.8
03L859	900.9	19-Jul-94	44 A	839.1
03L859	900.9	10-Oct-94	45 A	837.5
03L860	894.3	14-Dec-87	16 F	840.7
03L860	894.3	26-Jan-88	17 F	840.6
03L860	894.3	13-Apr-88	18 F	841.6
03L860	894.3	30-Aug-88	19 F	837.3
03L860	894.3	23-Nov-88	20 F	838.2
03L860	894.3	06-Aug-89	23 F	835.9
03L860	894.3	03-Nov-89	24 F	834.5
03L860	894.3	19-Apr-90	26 F	834.5
03L860	894.3	20-Mar-91	30 F	834.5
03L860	894.3	16-Mar-92	34 F	836.2
03L860	894.3	10-Mar-93	38 F	836.2
03L860	894.3	30-Mar-94	42 A	838.7
03L860	894.3	31-Mar-94	42 A	839.1
03L860	894.3	10-Apr-94	43 A	838.8
03L860	894.3	17-Apr-94	43 A	838.8
03L860	894.3	18-Apr-94	43 A	839.4
03L860	894.3	18-Apr-94	43 A	839.5
03L860	894.3	18-Apr-94	43 A	839.5
03L860	894.3	19-Apr-94	43 A	838.9
03L860	894.3	20-Apr-94	43 A	838.9
03L860	894.3	21-Apr-94	43 A	838.9
03L860	894.3	22-Apr-94	43 A	839.1
03L860	894.3	25-Apr-94	43 A	839.5
03L860	894.3	26-Apr-94	43 A	839.7
03L860	894.3	28-Apr-94	43 A	838.8
03L860	894.3	29-Apr-94	43 A	838.8
03L860	894.3	02-May-94	43 A	839.1
03L860	894.3	09-May-94	43 A	839.3
03L860	894.3	16-May-94	43 A	838.8
03L860	894.3	23-May-94	43 A	839.1
03L860	894.3	20-Jun-94	43 A	838.5
03L860	894.3	19-Jul-94	44 A	838.5
03L860	894.3	10-Oct-94	45 A	837.2
03L861	889.1	14-Dec-87	16 F	839.1
03L861	889.1	26-Jan-88	17 F	839.4
03L861	889.1	13-Apr-88	18 F	840.1
03L861	889.1	30-Aug-88	19 F	835.5
03L861	889.1	23-Nov-88	20 F	835.8
03L861	889.1	06-Aug-89	23 F	833.6
03L861	889.1	30-Apr-90	26 F	832.8
03L861	889.1	25-Mar-91	30 F	832.7
03L861	889.1	23-Mar-92	34 F	834.8
03L861	889.1	04-Mar-93	38 F	834.3
03L861	889.1	30-Mar-94	42 A	837.0
03L861	889.1	31-Mar-94	42 A	837.5
03L861	889.1	10-Apr-94	43 A	837.2
03L861	889.1	17-Apr-94	43 A	837.2
03L861	889.1	18-Apr-94	43 A	837.8
03L861	889.1	18-Apr-94	43 A	837.8
03L861	889.1	18-Apr-94	43 A	837.8
03L861	889.1	19-Apr-94	43 A	837.2
03L861	889.1	20-Apr-94	43 A	837.2
03L861	889.1	21-Apr-94	43 A	837.3
03L861	889.1	22-Apr-94	43 A	837.5
03L861	889.1	25-Apr-94	43 A	837.8
03L861	889.1	26-Apr-94	43 A	838.0
03L861	889.1	28-Apr-94	43 A	837.1
03L861	889.1	29-Apr-94	43 A	837.2
03L861	889.1	02-May-94	43 A	837.5
03L861	889.1	09-May-94	43 A	837.5
03L861	889.1	16-May-94	43 A	837.0
03L861	889.1	23-May-94	43 A	837.2
03L861	889.1	20-Jun-94	43 A	836.6
03L861	889.1	19-Jul-94	44 A	836.5
03L861	889.1	10-Oct-94	45 A	835.3
03M001	888.4	17-Nov-87	16 A	849.9
03M001	888.4	24-Nov-87	16 A	849.4
03M001	888.4	30-Nov-87	16 A	849.8
03M001	888.4	14-Dec-87	16 A	849.6
03M001	888.4	14-Dec-87	16 F	849.5
03M001	888.4	11-Jan-88	17 A	850.0
03M001	888.4	27-Jan-88	17 F	849.5
03M001	888.4	13-Apr-88	18 F	850.5
03M001	888.4	02-May-88	18 A	849.6
03M001	888.4	20-May-88	18 A	849.0
03M001	888.4	23-Jun-88	18 A	846.5
03M001	888.4	27-Jul-88	19 A	845.6
03M001	888.4	30-Aug-88	19 F	845.3
03M001	888.4	01-Sep-88	19 A	845.1
03M001	888.4	21-Sep-88	19 A	845.1
03M001	888.4	14-Oct-88	20 A	845.6
03M001	888.4	23-Nov-88	20 F	846.6
03M001	888.4	02-Dec-88	20 A	846.6
03M001	888.4	13-Jan-89	21 A	846.7
03M001	888.4	31-Mar-89	21 A	844.1
03M001	888.4	05-Aug-89	23 F	841.5
03M001	888.4	05-Oct-89	24 A	841.4
03M001	888.4	02-Nov-89	24 F	841.6
03M001	888.4	21-Dec-89	24 A	841.3
03M001	888.4	11-Jan-90	25 A	841.3
03M001	888.4	16-May-90	26 A	841.6
03M001	888.4	16-Jul-90	27 A	841.4
03M001	888.4	28-Feb-91	30 A	842.2
03M001	888.4	03-Jun-91	31 A	841.9
03M001	888.4	03-Sep-91	32 A	841.0
03M001	888.4	27-Sep-91	32 A	841.6
03M001	888.4	06-Dec-91	33 A	842.9
03M001	888.4	24-Mar-92	34 A	843.4
03M001	888.4	01-Jun-92	35 A	843.2
03M001	888.4	01-Sep-92	36 A	842.7
03M001	888.4	08-Oct-92	37 A	843.5
03M001	888.4	02-Mar-93	38 A	844.6
03M001	888.4	10-Sep-93	40 A	846.1
03M001	888.4	01-Mar-94	42 A	847.7
03M001	888.4	02-Sep-94	44 A	846.0
03M002	919.4	17-Nov-87	16 A	850.8
03M002	919.4	24-Nov-87	16 A	850.5
03M002	919.4	14-Dec-87	16 A	850.5
03M002	919.4	14-Dec-87	16 F	850.4
03M002	919.4	11-Jan-88	17 A	850.8
03M002	919.4	27-Jan-88	17 F	850.6
03M002	919.4	13-Apr-88	18 F	853.2
03M002	919.4	02-May-88	18 A	851.1
03M002	919.4	20-May-88	18 A	850.6
03M002	919.4	23-Jun-88	18 A	849.6
03M002	919.4	27-Jul-88	19 A	848.5
03M002	919.4	30-Aug-88	19 F	848.0
03M002	919.4	01-Sep-88	19 A	848.0
03M002	919.4	21-Sep-88	19 A	847.7
03M002	919.4	14-Oct-88	20 A	847.2
03M002	919.4	23-Nov-88	20 F	848.6
03M002	919.4	02-Dec-88	20 A	848.8
03M002	919.4	13-Jan-89	21 A	848.3
03M002	919.4	31-Mar-89	21 A	844.7
03M002	919.4	07-Jul-89	23 A	843.2
03M002	919.4	05-Aug-89	23 F	843.0

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M002	919.4	05-Oct-89	24 A	842.8
03M002	919.4	02-Nov-89	24 F	842.5
03M002	919.4	21-Dec-89	24 A	842.1
03M002	919.4	11-Jan-90	25 A	842.0
03M002	919.4	16-May-90	26 A	842.1
03M002	919.4	16-Jul-90	27 A	841.9
03M002	919.4	28-Feb-91	30 A	842.5
03M002	919.4	03-Jun-91	31 A	842.4
03M002	919.4	03-Sep-91	32 A	841.9
03M002	919.4	27-Sep-91	32 A	842.1
03M002	919.4	06-Dec-91	33 A	843.3
03M002	919.4	24-Mar-92	34 A	844.0
03M002	919.4	01-Jun-92	35 A	844.4
03M002	919.4	01-Sep-92	36 A	843.9
03M002	919.4	08-Oct-92	37 A	844.2
03M002	919.4	02-Mar-93	38 A	845.1
03M002	919.4	10-Sep-93	40 A	846.4
03M002	919.4	01-Mar-94	42 A	848.1
03M002	919.4	02-Sep-94	44 A	846.7
03M003	942.7	17-Nov-87	16 A	852.9
03M003	942.7	14-Dec-87	16 A	852.6
03M003	942.7	14-Dec-87	16 F	852.5
03M003	942.7	11-Jan-88	17 A	852.5
03M003	942.7	26-Jan-88	17 F	852.6
03M003	942.7	14-Apr-88	18 F	854.4
03M003	942.7	02-May-88	18 A	853.5
03M003	942.7	20-May-88	18 A	852.9
03M003	942.7	23-Jun-88	18 A	852.3
03M003	942.7	27-Jul-88	19 A	850.9
03M003	942.7	30-Aug-88	19 F	849.8
03M003	942.7	01-Sep-88	19 A	849.5
03M003	942.7	21-Sep-88	19 A	849.3
03M003	942.7	14-Oct-88	20 A	848.9
03M003	942.7	23-Nov-88	20 F	849.6
03M003	942.7	02-Dec-88	20 A	850.0
03M003	942.7	13-Jan-89	21 A	849.7
03M003	942.7	31-Mar-89	21 A	846.5
03M003	942.7	07-Jul-89	23 A	845.1
03M003	942.7	05-Aug-89	23 F	845.3
03M003	942.7	05-Oct-89	24 A	844.5
03M003	942.7	02-Nov-89	24 F	843.8
03M003	942.7	21-Dec-89	24 A	844.5
03M003	942.7	11-Jan-90	25 A	844.0
03M003	942.7	16-May-90	26 A	844.1
03M003	942.7	16-Jul-90	27 A	843.7
03M003	942.7	28-Feb-91	30 A	844.5
03M003	942.7	03-Jun-91	31 A	844.2
03M003	942.7	03-Sep-91	32 A	843.7
03M003	942.7	27-Sep-91	32 A	843.9
03M003	942.7	06-Dec-91	33 A	845.1
03M003	942.7	24-Mar-92	34 A	845.7
03M003	942.7	01-Jun-92	35 A	846.6
03M003	942.7	01-Sep-92	36 A	846.3
03M003	942.7	08-Oct-92	37 A	846.4
03M003	942.7	02-Mar-93	38 A	847.1
03M003	942.7	10-Sep-93	40 A	848.2
03M003	942.7	01-Mar-94	42 A	850.1
03M003	942.7	02-Sep-94	44 A	849.4
03M004	950.7	17-Nov-87	16 A	855.6
03M004	950.7	24-Nov-87	16 A	855.3
03M004	950.7	30-Nov-87	16 A	855.5
03M004	950.7	14-Dec-87	16 F	855.3
03M004	950.7	11-Jan-88	17 A	855.7
03M004	950.7	27-Jan-88	17 F	855.5
03M004	950.7	14-Apr-88	18 F	856.2
03M004	950.7	02-May-88	18 A	855.9
03M004	950.7	20-May-88	18 A	855.4
03M004	950.7	23-Jun-88	18 A	854.4
03M004	950.7	27-Jul-88	19 A	853.0
03M004	950.7	30-Aug-88	19 F	852.1
03M004	950.7	01-Sep-88	19 A	851.9
03M004	950.7	21-Sep-88	19 A	851.6
03M004	950.7	14-Oct-88	20 A	851.5
03M004	950.7	23-Nov-88	20 F	851.6
03M004	950.7	02-Dec-88	20 A	851.8
03M004	950.7	13-Jan-89	21 A	852.1
03M004	950.7	31-Mar-89	21 A	850.6
03M004	950.7	05-Aug-89	23 F	850.1
03M004	950.7	05-Oct-89	24 A	848.4
03M004	950.7	04-Nov-89	24 F	848.3
03M004	950.7	21-Dec-89	24 A	848.1
03M004	950.7	11-Jan-90	25 A	847.9
03M004	950.7	16-May-90	26 A	847.8
03M004	950.7	28-Feb-91	30 A	848.3
03M004	950.7	27-Sep-91	32 A	847.8
03M004	950.7	24-Mar-92	34 A	849.8
03M004	950.7	08-Oct-92	37 A	850.5
03M004	950.7	02-Mar-93	38 A	851.2
03M004	950.7	10-Sep-93	40 A	852.3
03M004	950.7	01-Mar-94	42 A	854.2
03M004	950.7	02-Sep-94	44 A	853.3
03M005	972.3	14-Dec-87	16 F	857.4
03M005	972.3	26-Jan-88	17 F	857.5
03M005	972.3	14-Apr-88	18 F	857.8
03M005	972.3	02-May-88	18 A	858.4
03M005	972.3	20-May-88	18 A	858.0
03M005	972.3	23-Jun-88	18 A	857.2
03M005	972.3	27-Jul-88	19 A	855.2
03M005	972.3	30-Aug-88	19 F	853.9
03M005	972.3	01-Sep-88	19 A	854.3
03M005	972.3	21-Sep-88	19 A	854.0
03M005	972.3	14-Oct-88	20 A	854.5
03M005	972.3	23-Nov-88	20 F	853.3
03M005	972.3	02-Dec-88	20 A	853.7
03M005	972.3	13-Jan-89	21 A	854.2
03M005	972.3	31-Mar-89	21 A	853.9
03M005	972.3	05-Aug-89	23 F	851.2
03M005	972.3	05-Oct-89	24 A	852.0
03M005	972.3	02-Nov-89	24 F	850.6
03M005	972.3	21-Dec-89	24 A	851.5
03M005	972.3	11-Jan-90	25 A	851.4
03M005	972.3	24-Apr-90	26 F	851.1
03M005	972.3	16-May-90	26 A	851.2
03M005	972.3	28-Feb-91	30 A	851.3
03M005	972.3	29-Mar-91	30 F	850.0
03M005	972.3	27-Sep-91	32 A	850.7
03M005	972.3	17-Mar-92	34 F	852.3
03M005	972.3	24-Mar-92	34 A	852.7
03M005	972.3	08-Oct-92	37 A	852.7
03M005	972.3	02-Mar-93	38 A	853.2
03M005	972.3	05-Mar-93	38 F	853.2
03M005	972.3	10-Sep-93	40 A	854.1
03M005	972.3	01-Mar-94	42 A	856.2
03M005	972.3	17-Mar-94	42 F	856.9
03M005	972.3	02-Sep-94	44 A	855.3
03M007	900.7	24-Nov-87	16 A	859.3
03M007	900.7	14-Dec-87	16 A	859.5
03M007	900.7	14-Dec-87	16 F	859.6
03M007	900.7	11-Jan-88	17 A	860.0
03M007	900.7	13-Apr-88	18 F	860.2
03M007	900.7	02-May-88	18 A	859.6
03M007	900.7	20-May-88	18 A	859.3
03M007	900.7	23-Jun-88	18 A	856.9
03M007	900.7	27-Jul-88	19 A	855.4
03M007	900.7	30-Aug-88	19 F	855.1
03M007	900.7	01-Sep-88	19 A	855.0
03M007	900.7	21-Sep-88	19 A	854.7
03M007	900.7	14-Oct-88	20 A	855.1
03M007	900.7	23-Nov-88	20 F	855.5
03M007	900.7	02-Dec-88	20 A	855.6
03M007	900.7	13-Jan-89	21 A	855.9
03M007	900.7	31-Mar-89	21 A	855.4
03M007	900.7	05-Aug-89	23 F	852.9
03M007	900.7	05-Oct-89	24 A	852.7

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M007	900.7	02-Nov-89	24 F	852.8
03M007	900.7	21-Dec-89	24 A	852.8
03M007	900.7	11-Jan-90	25 A	852.7
03M007	900.7	23-Apr-90	26 F	852.3
03M007	900.7	16-May-90	26 A	852.4
03M007	900.7	16-Jul-90	27 A	852.3
03M007	900.7	19-Jul-90	27 F	852.4
03M007	900.7	28-Feb-91	30 A	853.3
03M007	900.7	28-Mar-91	30 F	852.9
03M007	900.7	03-Jun-91	31 A	853.0
03M007	900.7	03-Sep-91	32 A	852.4
03M007	900.7	27-Sep-91	32 A	852.8
03M007	900.7	06-Dec-91	33 A	854.5
03M007	900.7	10-Mar-92	34 F	855.1
03M007	900.7	24-Mar-92	34 A	855.1
03M007	900.7	01-Jun-92	35 A	855.2
03M007	900.7	01-Sep-92	36 A	854.8
03M007	900.7	08-Oct-92	37 A	855.6
03M007	900.7	02-Mar-93	38 A	856.1
03M007	900.7	02-Mar-93	38 F	856.0
03M007	900.7	10-Sep-93	40 A	857.2
03M007	900.7	01-Mar-94	42 A	859.1
03M007	900.7	11-Mar-94	42 F	859.2
03M007	900.7	02-Sep-94	44 A	857.8
03M010	888.9	24-Nov-87	16 A	865.5
03M010	888.9	14-Dec-87	16 A	865.8
03M010	888.9	11-Jan-88	17 A	866.2
03M010	888.9	26-Jan-88	17 F	866.2
03M010	888.9	13-Apr-88	18 F	865.9
03M010	888.9	02-May-88	18 A	864.9
03M010	888.9	20-May-88	18 A	864.5
03M010	888.9	23-Jun-88	18 A	859.1
03M010	888.9	27-Jul-88	19 A	857.6
03M010	888.9	30-Aug-88	19 F	859.5
03M010	888.9	01-Sep-88	19 A	859.5
03M010	888.9	21-Sep-88	19 A	860.0
03M010	888.9	14-Oct-88	20 A	860.9
03M010	888.9	23-Nov-88	20 F	861.7
03M010	888.9	02-Dec-88	20 A	861.7
03M010	888.9	13-Jan-89	21 A	861.9
03M010	888.9	31-Mar-89	21 A	862.9
03M010	888.9	05-Aug-89	23 F	858.2
03M010	888.9	05-Oct-89	24 A	859.3
03M010	888.9	02-Nov-89	24 F	859.9
03M010	888.9	21-Dec-89	24 A	860.3
03M010	888.9	11-Jan-90	25 A	860.5
03M010	888.9	27-Apr-90	26 F	860.1
03M010	888.9	01-Apr-91	30 F	861.5
03M010	888.9	27-Sep-91	32 A	862.1
03M010	888.9	10-Mar-92	34 F	863.9
03M010	888.9	24-Mar-92	34 A	863.7
03M010	888.9	08-Oct-92	37 A	863.2
03M010	888.9	02-Mar-93	38 A	864.0
03M010	888.9	02-Mar-93	38 F	864.1
03M010	888.9	10-Sep-93	40 A	866.0
03M010	888.9	01-Mar-94	42 A	866.8
03M010	888.9	11-Mar-94	42 F	867.0
03M010	888.9	02-Sep-94	44 A	865.0
03M012	880.2	17-Nov-87	16 A	859.9
03M012	880.2	24-Nov-87	16 A	859.7
03M012	880.2	14-Dec-87	16 A	860.0
03M012	880.2	11-Jan-88	17 A	860.3
03M012	880.2	27-Jan-88	17 F	860.1
03M012	880.2	13-Apr-88	18 F	859.9
03M012	880.2	02-May-88	18 A	859.5
03M012	880.2	20-May-88	18 A	859.0
03M012	880.2	23-Jun-88	18 A	854.8
03M012	880.2	27-Jul-88	19 A	853.7
03M012	880.2	30-Aug-88	19 F	854.5
03M012	880.2	01-Sep-88	19 A	854.5
03M012	880.2	21-Sep-88	19 A	854.7
03M012	880.2	14-Oct-88	20 A	855.4
03M012	880.2	23-Nov-88	20 F	855.9
03M012	880.2	02-Dec-88	20 A	856.0
03M012	880.2	13-Jan-89	21 A	856.4
03M012	880.2	31-Mar-89	21 A	856.7
03M012	880.2	06-Aug-89	23 F	852.9
03M012	880.2	05-Oct-89	24 A	853.3
03M012	880.2	02-Nov-89	24 F	853.6
03M012	880.2	21-Dec-89	24 A	854.0
03M012	880.2	11-Jan-90	25 A	854.2
03M012	880.2	16-May-90	26 A	853.8
03M012	880.2	16-Jul-90	27 A	853.8
03M012	880.2	28-Feb-91	30 A	855.1
03M012	880.2	03-Jun-91	31 A	855.3
03M012	880.2	03-Sep-91	32 A	854.0
03M012	880.2	27-Sep-91	32 A	855.1
03M012	880.2	06-Dec-91	33 A	856.4
03M012	880.2	24-Mar-92	34 A	857.0
03M012	880.2	01-Jun-92	35 A	856.4
03M012	880.2	01-Sep-92	36 A	855.4
03M012	880.2	08-Oct-92	37 A	856.2
03M012	880.2	02-Mar-93	38 A	857.4
03M012	880.2	10-Sep-93	40 A	858.9
03M012	880.2	01-Mar-94	42 A	860.4
03M012	880.2	02-Sep-94	44 A	858.5
03M013	889.7	17-Nov-87	16 A	852.6
03M013	889.7	24-Nov-87	16 A	852.2
03M013	889.7	14-Dec-87	16 A	852.4
03M013	889.7	11-Jan-88	17 A	852.7
03M013	889.7	27-Jan-88	17 F	852.4
03M013	889.7	13-Apr-88	18 F	852.5
03M013	889.7	02-May-88	18 A	852.3
03M013	889.7	20-May-88	18 A	851.7
03M013	889.7	23-Jun-88	18 A	848.9
03M013	889.7	27-Jul-88	19 A	847.7
03M013	889.7	30-Aug-88	19 F	847.9
03M013	889.7	01-Sep-88	19 A	847.7
03M013	889.7	21-Sep-88	19 A	847.7
03M013	889.7	14-Oct-88	20 A	848.2
03M013	889.7	23-Nov-88	20 F	848.8
03M013	889.7	02-Dec-88	20 A	848.8
03M013	889.7	13-Jan-89	21 A	849.4
03M013	889.7	31-Mar-89	21 A	847.8
03M013	889.7	05-Aug-89	23 F	844.9
03M013	889.7	05-Oct-89	24 A	845.0
03M013	889.7	02-Nov-89	24 F	845.2
03M013	889.7	21-Dec-89	24 A	845.3
03M013	889.7	11-Jan-90	25 A	845.5
03M013	889.7	16-May-90	26 A	845.3
03M013	889.7	28-Feb-91	30 A	846.1
03M013	889.7	27-Sep-91	32 A	845.8
03M013	889.7	24-Mar-92	34 A	847.7
03M013	889.7	08-Oct-92	37 A	847.7
03M013	889.7	02-Mar-93	38 A	848.8
03M013	889.7	10-Sep-93	40 A	850.1
03M013	889.7	01-Mar-94	42 A	851.9
03M013	889.7	02-Sep-94	44 A	850.2
03M017	938.9	17-Nov-87	16 A	854.3
03M017	938.9	24-Nov-87	16 A	854.0
03M017	938.9	11-Jan-88	17 A	854.3
03M017	938.9	27-Jan-88	17 F	854.3
03M017	938.9	13-Apr-88	18 F	855.0
03M017	938.9	02-May-88	18 A	854.5
03M017	938.9	20-May-88	18 A	854.0
03M017	938.9	23-Jun-88	18 A	852.7
03M017	938.9	27-Jul-88	19 A	851.3
03M017	938.9	30-Aug-88	19 F	850.5
03M017	938.9	01-Sep-88	19 A	850.2
03M017	938.9	21-Sep-88	19 A	850.2
03M017	938.9	14-Oct-88	20 A	850.0
03M017	938.9	23-Nov-88	20 F	850.5
03M017	938.9	02-Dec-88	20 A	850.7
03M017	938.9	13-Jan-89	21 A	851.0

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M017	938.9	31-Mar-89	21 A	849.1
03M017	938.9	05-Aug-89	23 F	847.3
03M017	938.9	05-Oct-89	24 A	847.0
03M017	938.9	04-Nov-89	24 F	846.8
03M017	938.9	21-Dec-89	24 A	846.4
03M017	938.9	11-Jan-90	25 A	846.3
03M017	938.9	16-May-90	26 A	846.4
03M017	938.9	28-Feb-91	30 A	847.1
03M017	938.9	27-Sep-91	32 A	846.7
03M017	938.9	24-Mar-92	34 A	848.6
03M017	938.9	08-Oct-92	37 A	848.9
03M017	938.9	02-Mar-93	38 A	849.8
03M017	938.9	10-Sep-93	40 A	851.1
03M017	938.9	01-Mar-94	42 A	852.8
03M017	938.9	02-Sep-94	44 A	851.6
03M020	954.5	17-Nov-87	16 A	854.5
03M020	954.5	24-Nov-87	16 A	854.4
03M020	954.5	30-Nov-87	16 A	854.4
03M020	954.5	14-Dec-87	16 F	854.3
03M020	954.5	11-Jan-88	17 A	854.5
03M020	954.5	27-Jan-88	17 F	854.6
03M020	954.5	14-Apr-88	18 F	855.4
03M020	954.5	02-May-88	18 A	854.8
03M020	954.5	20-May-88	18 A	854.3
03M020	954.5	23-Jun-88	18 A	853.3
03M020	954.5	27-Jul-88	19 A	851.9
03M020	954.5	30-Aug-88	19 F	850.8
03M020	954.5	01-Sep-88	19 A	850.7
03M020	954.5	21-Sep-88	19 A	850.6
03M020	954.5	14-Oct-88	20 A	850.3
03M020	954.5	23-Nov-88	20 F	850.2
03M020	954.5	02-Dec-88	20 A	850.9
03M020	954.5	13-Jan-89	21 A	851.0
03M020	954.5	31-Mar-89	21 A	849.2
03M020	954.5	07-Jul-89	23 A	848.0
03M020	954.5	05-Aug-89	23 F	847.7
03M020	954.5	05-Oct-89	24 A	847.0
03M020	954.5	04-Nov-89	24 F	847.0
03M020	954.5	21-Dec-89	24 A	846.7
03M020	954.5	11-Jan-90	25 A	846.5
03M020	954.5	16-May-90	26 A	846.5
03M020	954.5	16-Jul-90	27 A	846.3
03M020	954.5	28-Feb-91	30 A	847.0
03M020	954.5	03-Jun-91	31 A	847.0
03M020	954.5	03-Sep-91	32 A	846.5
03M020	954.5	27-Sep-91	32 A	846.7
03M020	954.5	06-Dec-91	33 A	847.9
03M020	954.5	24-Mar-92	34 A	848.6
03M020	954.5	01-Jun-92	35 A	849.2
03M020	954.5	01-Sep-92	36 A	848.7
03M020	954.5	08-Oct-92	37 A	849.1
03M020	954.5	02-Mar-93	38 A	849.9
03M020	954.5	10-Sep-93	40 A	851.2
03M020	954.5	01-Mar-94	42 A	853.0
03M020	954.5	02-Sep-94	44 A	851.9
03M505	957.3	15-Dec-87	16 F	858.8
03M505	957.3	28-Jan-88	17 F	859.0
03M505	957.3	14-Apr-88	18 F	859.2
03M505	957.3	30-Aug-88	19 F	854.2
03M505	Well Abandoned			
03M509	958.0	05-Aug-89	23 F	878.5
03M713	895.6	02-Dec-88	20 A	846.3
03M713	895.6	13-Jan-89	21 A	846.3
03M713	895.6	31-Mar-89	21 A	842.0
03M713	895.6	07-Jul-89	23 A	840.1
03M713	895.6	05-Oct-89	24 A	839.9
03M713	895.6	21-Dec-89	24 A	839.4
03M713	895.6	11-Jan-90	25 A	839.5
03M713	895.6	16-May-90	26 A	839.7
03M713	895.6	16-Jul-90	27 A	839.5
03M713	895.6	28-Feb-91	30 A	840.2
03M713	895.6	03-Jun-91	31 A	839.9
03M713	895.6	03-Sep-91	32 A	839.0
03M713	895.6	27-Sep-91	32 A	839.5
03M713	895.6	06-Dec-91	33 A	840.8
03M713	895.6	24-Mar-92	34 A	841.3
03M713	895.6	01-Jun-92	35 A	841.3
03M713	895.6	01-Sep-92	36 A	840.9
03M713	895.6	08-Oct-92	37 A	841.7
03M713	895.6	02-Mar-93	38 A	842.7
03M713	895.6	10-Sep-93	40 A	844.0
03M713	895.6	01-Mar-94	42 A	845.7
03M713	895.6	02-Sep-94	44 A	844.3
03M802	905.6	17-Nov-87	16 A	850.9
03M802	905.6	24-Nov-87	16 A	851.2
03M802	905.6	30-Nov-87	16 A	850.9
03M802	905.6	14-Dec-87	16 A	851.4
03M802	905.6	14-Dec-87	16 F	849.9
03M802	905.6	11-Jan-88	17 A	850.3
03M802	905.6	13-Apr-88	18 F	849.5
03M802	905.6	02-May-88	18 A	850.9
03M802	905.6	20-May-88	18 A	850.2
03M802	905.6	23-Jun-88	18 A	849.9
03M802	905.6	27-Jul-88	19 A	848.5
03M802	905.6	30-Aug-88	19 F	846.6
03M802	905.6	01-Sep-88	19 A	847.2
03M802	905.6	21-Sep-88	19 A	846.9
03M802	905.6	14-Oct-88	20 A	846.7
03M802	905.6	23-Nov-88	20 F	847.5
03M802	905.6	02-Dec-88	20 A	848.2
03M802	905.6	13-Jan-89	21 A	847.2
03M802	905.6	31-Mar-89	21 A	843.5
03M802	905.6	06-Aug-89	23 F	843.3
03M802	905.6	05-Oct-89	24 A	842.3
03M802	905.6	03-Nov-89	24 F	837.0
03M802	905.6	21-Dec-89	24 A	842.2
03M802	905.6	11-Jan-90	25 A	841.8
03M802	905.6	16-May-90	26 A	841.4
03M802	905.6	16-Jul-90	27 A	841.1
03M802	905.6	28-Feb-91	30 A	841.9
03M802	905.6	03-Jun-91	31 A	841.4
03M802	905.6	03-Sep-91	32 A	841.0
03M802	905.6	27-Sep-91	32 A	841.1
03M802	905.6	06-Dec-91	33 A	842.3
03M802	905.6	24-Mar-92	34 A	842.9
03M802	905.6	01-Jun-92	35 A	843.6
03M802	905.6	01-Sep-92	36 A	843.4
03M802	905.6	08-Oct-92	37 A	844.2
03M802	905.6	02-Mar-93	38 A	844.9
03M802	905.6	10-Sep-93	40 A	846.3
03M802	905.6	01-Mar-94	42 A	848.0
03M802	905.6	02-Sep-94	44 A	847.0
03M806	909.6	17-Nov-87	16 A	848.0
03M806	909.6	24-Nov-87	16 A	848.4
03M806	909.6	30-Nov-87	16 A	847.9
03M806	909.6	14-Dec-87	16 A	847.7
03M806	909.6	14-Dec-87	16 F	847.8
03M806	909.6	11-Jan-88	17 A	848.9
03M806	909.6	27-Jan-88	17 F	847.7
03M806	909.6	13-Apr-88	18 F	850.2
03M806	909.6	02-May-88	18 A	848.1
03M806	909.6	20-May-88	18 A	847.5
03M806	909.6	23-Jun-88	18 A	845.9
03M806	909.6	27-Jul-88	19 A	845.7
03M806	909.6	30-Aug-88	19 F	844.4
03M806	909.6	01-Sep-88	19 A	844.9
03M806	909.6	21-Sep-88	19 A	844.0
03M806	909.6	14-Oct-88	20 A	844.6
03M806	909.6	23-Nov-88	20 F	846.0
03M806	909.6	02-Dec-88	20 A	845.8
03M806	909.6	13-Jan-89	21 A	845.7
03M806	909.6	31-Mar-89	21 A	841.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M806	909.6	06-Aug-89	23 F	840.1
03M806	909.6	05-Oct-89	24 A	839.5
03M806	909.6	03-Nov-89	24 F	839.7
03M806	909.6	21-Dec-89	24 A	839.0
03M806	909.6	11-Jan-90	25 A	839.3
03M806	909.6	16-May-90	26 A	839.3
03M806	909.6	16-Jul-90	27 A	838.9
03M806	909.6	28-Feb-91	30 A	839.7
03M806	909.6	03-Jun-91	31 A	839.3
03M806	909.6	03-Sep-91	32 A	838.7
03M806	909.6	27-Sep-91	32 A	839.0
03M806	909.6	06-Dec-91	33 A	840.3
03M806	909.6	24-Mar-92	34 A	841.1
03M806	909.6	01-Jun-92	35 A	841.1
03M806	909.6	01-Sep-92	36 A	840.6
03M806	909.6	08-Oct-92	37 A	841.6
03M806	909.6	02-Mar-93	38 A	842.6
03M806	909.6	10-Sep-93	40 A	843.9
03M806	909.6	01-Mar-94	42 A	845.5
03M806	909.6	02-Sep-94	44 A	844.0
03M843	885.7	14-Dec-87	16 F	839.1
03M843	885.7	26-Jan-88	17 F	839.3
03M843	885.7	13-Apr-88	18 F	839.9
03M843	885.7	30-Aug-88	19 F	835.3
03M843	885.7	23-Nov-88	20 F	836.6
03M843	885.7	05-May-89	22 F	833.1
03M843	885.7	06-Aug-89	23 F	832.5
03M843	885.7	03-Nov-89	24 F	832.9
03M843	885.7	25-Apr-90	26 F	833.2
03M843	885.7	21-Mar-91	30 F	832.9
03M843	885.7	04-Jun-91	31 F	832.4
03M843	885.7	04-Sep-91	32 F	830.9
03M843	885.7	20-Mar-92	34 F	834.9
03M843	885.7	03-Jun-92	35 F	834.2
03M843	885.7	03-Sep-92	36 F	833.2
03M843	885.7	03-Mar-93	38 F	833.8
03M843	885.7	09-Sep-93	40 F	835.0
03M843	885.7	18-Mar-94	42 F	838.1
03M843	885.7	12-Sep-94	44 F	835.6
03M848	902.5	14-Dec-87	16 F	844.6
03M848	902.5	26-Jan-88	17 F	843.7
03M848	902.5	13-Apr-88	18 F	844.8
03M848	902.5	30-Aug-88	19 F	840.5
03M848	902.5	23-Nov-88	20 F	840.9
03M848	902.5	06-Aug-89	23 F	837.4
03M848	902.5	03-Nov-89	24 F	837.1
03M848	902.5	19-Jul-90	27 F	836.6
03M848	902.5	17-Sep-90	28 F	836.0
03M848	902.5	18-Mar-91	30 F	836.7
03M848	902.5	04-Jun-91	31 F	836.2
03M848	902.5	04-Sep-91	32 F	835.3
03M848	902.5	18-Mar-92	34 F	838.7
03M848	902.5	03-Jun-92	35 F	838.6
03M848	902.5	03-Sep-92	36 F	837.8
03M848	902.5	09-Mar-93	38 F	838.4
03M848	902.5	09-Sep-93	40 F	839.5
03M848	902.5	17-Mar-94	42 F	842.5
03M848	902.5	30-Mar-94	42 A	841.0
03M848	902.5	31-Mar-94	42 A	841.4
03M848	902.5	10-Apr-94	43 A	841.2
03M848	902.5	17-Apr-94	43 A	841.0
03M848	902.5	18-Apr-94	43 A	841.8
03M848	902.5	18-Apr-94	43 A	841.8
03M848	902.5	18-Apr-94	43 A	841.8
03M848	902.5	19-Apr-94	43 A	841.2
03M848	902.5	20-Apr-94	43 A	841.1
03M848	902.5	21-Apr-94	43 A	841.2
03M848	902.5	22-Apr-94	43 A	841.3
03M848	902.5	25-Apr-94	43 A	841.7
03M848	902.5	26-Apr-94	43 A	841.9
03M848	902.5	28-Apr-94	43 A	841.0
03M848	902.5	29-Apr-94	43 A	841.0
03M848	902.5	02-May-94	43 A	841.3
03M848	902.5	09-May-94	43 A	841.4
03M848	902.5	16-May-94	43 A	841.0
03M848	902.5	23-May-94	43 A	841.3
03M848	902.5	20-Jun-94	43 A	840.8
03M848	902.5	19-Jul-94	44 A	841.5
03M848	902.5	10-Oct-94	45 A	839.8
03U001	888.2	17-Nov-87	16 A	849.8
03U001	888.2	24-Nov-87	16 A	849.4
03U001	888.2	30-Nov-87	16 A	849.8
03U001	888.2	14-Dec-87	16 F	849.5
03U001	888.2	11-Jan-88	17 A	849.8
03U001	888.2	13-Apr-88	18 F	850.4
03U001	888.2	02-May-88	18 A	849.5
03U001	888.2	20-May-88	18 A	848.9
03U001	888.2	23-Jun-88	18 A	846.3
03U001	888.2	27-Jul-88	19 A	845.2
03U001	888.2	30-Aug-88	19 F	845.3
03U001	888.2	01-Sep-88	19 A	844.9
03U001	888.2	21-Sep-88	19 A	845.0
03U001	888.2	14-Oct-88	20 A	845.5
03U001	888.2	22-Nov-88	20 F	846.6
03U001	888.2	02-Dec-88	20 A	846.5
03U001	888.2	13-Jan-89	21 A	846.6
03U001	888.2	31-Mar-89	21 A	844.2
03U001	888.2	05-Aug-89	23 F	841.6
03U001	888.2	05-Oct-89	24 A	841.5
03U001	888.2	02-Nov-89	24 F	841.7
03U001	888.2	21-Dec-89	24 A	841.5
03U001	888.2	11-Jan-90	25 A	841.5
03U001	888.2	16-May-90	26 A	841.8
03U001	888.2	16-Jul-90	27 A	841.4
03U001	888.2	28-Feb-91	30 A	842.4
03U001	888.2	03-Jun-91	31 A	842.1
03U001	888.2	03-Sep-91	32 A	841.1
03U001	888.2	27-Sep-91	32 A	841.8
03U001	888.2	06-Dec-91	33 A	842.9
03U001	888.2	24-Mar-92	34 A	843.4
03U001	888.2	01-Jun-92	35 A	843.1
03U001	888.2	01-Sep-92	36 A	842.7
03U001	888.2	01-Mar-94	42 A	847.9
03U001	888.2	02-Sep-94	44 A	846.1
03U001	888.2	08-Oct-92	37 A	843.6
03U001	888.2	02-Mar-93	38 A	844.8
03U001	888.2	10-Sep-93	40 A	846.2
03U002	917.8	17-Nov-87	16 A	851.4
03U002	917.8	24-Nov-87	16 A	851.0
03U002	917.8	30-Nov-87	16 A	851.1
03U002	917.8	14-Dec-87	16 A	850.8
03U002	917.8	14-Dec-87	16 F	850.9
03U002	917.8	11-Jan-88	17 A	851.3
03U002	917.8	27-Jan-88	17 F	851.1
03U002	917.8	13-Apr-88	18 F	853.1
03U002	917.8	02-May-88	18 A	851.6
03U002	917.8	20-May-88	18 A	850.9
03U002	917.8	23-Jun-88	18 A	850.3
03U002	917.8	27-Jul-88	19 A	849.0
03U002	917.8	30-Aug-88	19 F	847.7
03U002	917.8	01-Sep-88	19 A	847.6
03U002	917.8	21-Sep-88	19 A	847.3
03U002	917.8	14-Oct-88	20 A	847.2
03U002	917.8	22-Nov-88	20 F	848.4
03U002	917.8	02-Dec-88	20 A	848.7
03U002	917.8	13-Jan-89	21 A	849.7
03U002	917.8	31-Mar-89	21 A	845.4
03U002	917.8	07-Jul-89	23 A	844.2
03U002	917.8	05-Aug-89	23 F	843.9
03U002	917.8	05-Oct-89	24 A	843.5
03U002	917.8	02-Nov-89	24 F	843.2
03U002	917.8	21-Dec-89	24 A	842.7
03U002	917.8	11-Jan-90	25 A	842.6

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U002	917.8	16-May-90	26 A	842.7
03U002	917.8	16-Jul-90	27 A	842.5
03U002	917.8	28-Feb-91	30 A	843.2
03U002	917.8	03-Jun-91	31 A	843.0
03U002	917.8	03-Sep-91	32 A	842.4
03U002	917.8	27-Sep-91	32 A	842.7
03U002	917.8	06-Dec-91	33 A	843.9
03U002	917.8	24-Mar-92	34 A	844.5
03U002	917.8	01-Jun-92	35 A	845.0
03U002	917.8	01-Sep-92	36 A	844.6
03U002	917.8	08-Oct-92	37 A	844.8
03U002	917.8	02-Mar-93	38 A	845.8
03U002	917.8	10-Sep-93	40 A	847.1
03U002	917.8	01-Mar-94	42 A	848.8
03U002	917.8	02-Sep-94	44 A	847.6
03U003	942.6	17-Nov-87	16 A	852.9
03U003	942.6	24-Nov-87	16 A	852.5
03U003	942.6	30-Nov-87	16 A	852.6
03U003	942.6	14-Dec-87	16 A	852.5
03U003	942.6	14-Dec-87	16 F	852.4
03U003	942.6	11-Jan-88	17 A	852.3
03U003	942.6	26-Jan-88	17 F	852.5
03U003	942.6	14-Apr-88	18 F	854.2
03U003	942.6	02-May-88	18 A	853.5
03U003	942.6	20-May-88	18 A	852.8
03U003	942.6	23-Jun-88	18 A	852.4
03U003	942.6	27-Jul-88	19 A	850.9
03U003	942.6	30-Aug-88	19 F	849.7
03U003	942.6	01-Sep-88	19 A	849.5
03U003	942.6	21-Sep-88	19 A	849.2
03U003	942.6	14-Oct-88	20 A	848.8
03U003	942.6	22-Nov-88	20 F	849.4
03U003	942.6	02-Dec-88	20 A	849.8
03U003	942.6	13-Jan-89	21 A	849.7
03U003	942.6	31-Mar-89	21 A	846.8
03U003	942.6	07-Jul-89	23 A	845.5
03U003	942.6	05-Aug-89	23 F	845.7
03U003	942.6	05-Oct-89	24 A	844.9
03U003	942.6	21-Dec-89	24 A	844.5
03U003	942.6	11-Jan-90	25 A	844.2
03U003	942.6	16-May-90	26 A	844.2
03U003	942.6	16-Jul-90	27 A	843.8
03U003	942.6	28-Feb-91	30 A	844.5
03U003	942.6	03-Jun-91	31 A	844.3
03U003	942.6	03-Sep-91	32 A	843.8
03U003	942.6	27-Sep-91	32 A	843.9
03U003	942.6	06-Dec-91	33 A	845.2
03U003	942.6	24-Mar-92	34 A	845.7
03U003	942.6	01-Jun-92	35 A	846.5
03U003	942.6	01-Sep-92	36 A	846.3
03U003	942.6	08-Oct-92	37 A	846.5
03U003	942.6	02-Mar-93	38 A	847.2
03U003	942.6	10-Sep-93	40 A	848.3
03U003	942.6	01-Mar-94	42 A	850.3
03U003	942.6	02-Sep-94	44 A	849.5
03U004	950.8	17-Nov-87	16 A	856.4
03U004	950.8	24-Nov-87	16 A	856.2
03U004	950.8	30-Nov-87	16 A	856.3
03U004	950.8	14-Dec-87	16 A	856.1
03U004	950.8	11-Jan-88	17 A	856.2
03U004	950.8	27-Jan-88	17 F	856.3
03U004	950.8	14-Apr-88	18 F	856.9
03U004	950.8	02-May-88	18 A	856.7
03U004	950.8	20-May-88	18 A	856.3
03U004	950.8	23-Jun-88	18 A	855.3
03U004	950.8	27-Jul-88	19 A	853.9
03U004	950.8	30-Aug-88	19 F	853.0
03U004	950.8	01-Sep-88	19 A	852.7
03U004	950.8	21-Sep-88	19 A	852.5
03U004	950.8	14-Oct-88	20 A	852.2
03U004	950.8	22-Nov-88	20 F	852.3
03U004	950.8	02-Dec-88	20 A	852.5

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U004	950.8	13-Jan-89	21 A	852.8
03U004	950.8	31-Mar-89	21 A	851.5
03U004	950.8	05-Aug-89	23 F	850.1
03U004	950.8	05-Oct-89	24 A	849.3
03U004	950.8	04-Nov-89	24 F	849.2
03U004	950.8	21-Dec-89	24 A	849.0
03U004	950.8	11-Jan-90	25 A	848.8
03U004	950.8	16-May-90	26 A	848.7
03U004	950.8	28-Feb-91	30 A	849.2
03U004	950.8	27-Sep-91	32 A	848.7
03U004	950.8	24-Mar-92	34 A	850.7
03U004	950.8	08-Oct-92	37 A	852.0
03U004	950.8	02-Mar-93	38 A	852.7
03U004	950.8	10-Sep-93	40 A	853.8
03U004	950.8	01-Mar-94	42 A	855.6
03U004	950.8	02-Sep-94	44 A	854.8
03U005	970.5	30-Nov-87	16 A	857.6
03U005	970.5	14-Dec-87	16 A	857.5
03U005	970.5	14-Dec-87	16 F	857.6
03U005	970.5	11-Jan-88	17 A	858.1
03U005	970.5	26-Jan-88	17 F	857.6
03U005	970.5	14-Apr-88	18 F	858.0
03U005	970.5	02-May-88	18 A	857.8
03U005	970.5	20-May-88	18 A	857.4
03U005	970.5	23-Jun-88	18 A	856.3
03U005	970.5	27-Jul-88	19 A	854.7
03U005	970.5	30-Aug-88	19 F	854.1
03U005	970.5	01-Sep-88	19 A	853.8
03U005	970.5	21-Sep-88	19 A	853.5
03U005	970.5	14-Oct-88	20 A	853.6
03U005	970.5	22-Nov-88	20 F	853.6
03U005	970.5	02-Dec-88	20 A	853.2
03U005	970.5	13-Jan-89	21 A	853.6
03U005	970.5	31-Mar-89	21 A	852.9
03U005	970.5	05-Aug-89	23 F	851.4
03U005	970.5	05-Oct-89	24 A	851.1
03U005	970.5	03-Nov-89	24 F	850.8
03U005	970.5	21-Dec-89	24 A	850.5
03U005	970.5	11-Jan-90	25 A	850.4
03U005	970.5	24-Apr-90	26 F	850.4
03U005	970.5	16-May-90	26 A	850.2
03U005	970.5	28-Feb-91	30 A	850.7
03U005	970.5	29-Mar-91	30 F	850.2
03U005	970.5	27-Sep-91	32 A	850.3
03U005	970.5	17-Mar-92	34 F	852.4
03U005	970.5	24-Mar-92	34 A	851.7
03U005	970.5	08-Oct-92	37 A	852.7
03U005	970.5	02-Mar-93	38 A	853.2
03U005	970.5	09-Mar-93	38 F	853.0
03U005	970.5	10-Sep-93	40 A	854.0
03U005	970.5	01-Mar-94	42 A	856.1
03U005	970.5	17-Mar-94	42 F	857.1
03U005	970.5	02-Sep-94	44 A	855.3
03U006	966.7	24-Nov-87	16 A	858.2
03U006	966.7	30-Nov-87	16 A	858.7
03U006	966.7	14-Dec-87	16 A	858.4
03U006	966.7	11-Jan-88	17 A	859.1
03U006	966.7	26-Jan-88	17 F	858.6
03U006	966.7	13-Apr-88	18 F	859.2
03U006	966.7	02-May-88	18 A	859.0
03U006	966.7	20-May-88	18 A	858.6
03U006	966.7	23-Jun-88	18 A	857.5
03U006	966.7	27-Jul-88	19 A	856.2
03U006	966.7	30-Aug-88	19 F	855.0
03U006	966.7	01-Sep-88	19 A	855.1
03U006	966.7	21-Sep-88	19 A	854.4
03U006	966.7	14-Oct-88	20 A	854.7
03U006	966.7	22-Nov-88	20 F	854.5
03U006	966.7	02-Dec-88	20 A	854.5
03U006	966.7	13-Jan-89	21 A	854.8
03U006	966.7	31-Mar-89	21 A	854.1
03U006	966.7	05-Aug-89	23 F	852.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U006	966.7	05-Oct-89	24 A	851.9
03U006	966.7	02-Nov-89	24 F	851.6
03U006	966.7	21-Dec-89	24 A	851.6
03U006	966.7	11-Jan-90	25 A	851.4
03U006	966.7	30-Apr-90	26 F	853.0
03U006	966.7	16-May-90	26 A	851.3
03U006	966.7	28-Feb-91	30 A	851.9
03U006	966.7	28-Mar-91	30 F	850.3
03U006	966.7	27-Sep-91	32 A	851.1
03U006	966.7	10-Mar-92	34 F	853.4
03U006	966.7	24-Mar-92	34 A	853.4
03U006	966.7	08-Oct-92	37 A	854.2
03U006	966.7	02-Mar-93	38 A	854.7
03U006	966.7	10-Sep-93	40 A	855.2
03U006	966.7	01-Mar-94	42 A	857.5
03U006	966.7	11-Mar-94	42 F	857.6
03U006	966.7	02-Sep-94	44 A	856.7
03U007	900.3	24-Nov-87	16 A	859.7
03U007	900.3	30-Nov-87	16 A	860.2
03U007	900.3	14-Dec-87	16 F	859.9
03U007	900.3	11-Jan-88	17 A	860.4
03U007	900.3	26-Jan-88	17 F	860.1
03U007	900.3	13-Apr-88	18 F	860.5
03U007	900.3	02-May-88	18 A	860.0
03U007	900.3	20-May-88	18 A	859.6
03U007	900.3	23-Jun-88	18 A	857.2
03U007	900.3	27-Jul-88	19 A	855.7
03U007	900.3	30-Aug-88	19 F	855.4
03U007	900.3	01-Sep-88	19 A	855.4
03U007	900.3	21-Sep-88	19 A	855.1
03U007	900.3	14-Oct-88	20 A	855.5
03U007	900.3	22-Nov-88	20 F	855.8
03U007	900.3	02-Dec-88	20 A	855.9
03U007	900.3	13-Jan-89	21 A	856.2
03U007	900.3	31-Mar-89	21 A	855.7
03U007	900.3	07-Jul-89	23 A	854.0
03U007	900.3	05-Aug-89	23 F	853.2
03U007	900.3	05-Oct-89	24 A	853.1
03U007	900.3	02-Nov-89	24 F	853.1
03U007	900.3	21-Dec-89	24 A	853.2
03U007	900.3	11-Jan-90	25 A	853.1
03U007	900.3	23-Apr-90	26 F	852.9
03U007	900.3	16-May-90	26 A	852.8
03U007	900.3	16-Jul-90	27 A	852.6
03U007	900.3	19-Jul-90	27 F	852.7
03U007	900.3	28-Feb-91	30 A	853.7
03U007	900.3	28-Mar-91	30 F	853.2
03U007	900.3	03-Jun-91	31 A	853.4
03U007	900.3	03-Sep-91	32 A	852.8
03U007	900.3	27-Sep-91	32 A	853.2
03U007	900.3	06-Dec-91	33 A	854.9
03U007	900.3	10-Mar-92	34 F	855.4
03U007	900.3	24-Mar-92	34 A	855.5
03U007	900.3	01-Jun-92	35 A	855.6
03U007	900.3	01-Sep-92	36 A	855.2
03U007	900.3	08-Oct-92	37 A	855.6
03U007	900.3	02-Mar-93	38 A	856.2
03U007	900.3	02-Mar-93	38 F	856.1
03U007	900.3	10-Sep-93	40 A	857.3
03U007	900.3	01-Mar-94	42 A	859.1
03U007	900.3	11-Mar-94	42 F	859.5
03U007	900.3	02-Sep-94	44 A	857.9
03U008	915.2	24-Nov-87	16 A	864.1
03U008	915.2	30-Nov-87	16 A	864.5
03U008	915.2	14-Dec-87	16 A	864.4
03U008	915.2	14-Dec-87	16 F	864.5
03U008	915.2	11-Jan-88	17 A	865.0
03U008	915.2	26-Jan-88	17 F	864.8
03U008	915.2	13-Apr-88	18 F	864.8
03U008	915.2	02-May-88	18 A	864.0
03U008	915.2	20-May-88	18 A	863.3
03U008	915.2	23-Jun-88	18 A	858.9
03U008	915.2	27-Jul-88	19 A	857.1
03U008	915.2	30-Aug-88	19 F	858.1
03U008	915.2	01-Sep-88	19 A	858.2
03U008	915.2	21-Sep-88	19 A	858.5
03U008	915.2	14-Oct-88	20 A	859.4
03U008	915.2	22-Nov-88	20 F	860.2
03U008	915.2	02-Dec-88	20 A	860.3
03U008	915.2	13-Jan-89	21 A	860.6
03U008	915.2	31-Mar-89	21 A	861.3
03U008	915.2	05-Aug-89	23 F	857.4
03U008	915.2	05-Oct-89	24 A	858.0
03U008	915.2	02-Nov-89	24 F	858.3
03U008	915.2	21-Dec-89	24 A	858.7
03U008	915.2	11-Jan-90	25 A	858.7
03U008	915.2	23-Apr-90	26 F	856.7
03U008	915.2	16-May-90	26 A	858.3
03U008	915.2	28-Feb-91	30 A	859.9
03U008	915.2	01-Apr-91	30 F	859.6
03U008	915.2	27-Sep-91	32 A	859.9
03U008	915.2	10-Mar-92	34 F	861.5
03U008	915.2	24-Mar-92	34 A	861.9
03U008	915.2	08-Oct-92	37 A	861.1
03U008	915.2	02-Mar-93	38 A	862.1
03U008	915.2	10-Sep-93	40 A	863.7
03U008	915.2	01-Mar-94	42 A	864.9
03U008	915.2	11-Mar-94	42 F	865.4
03U008	915.2	02-Sep-94	44 A	863.1
03U009	912.9	24-Nov-87	16 A	865.6
03U009	912.9	30-Nov-87	16 A	866.0
03U009	912.9	14-Dec-87	16 A	865.9
03U009	912.9	14-Dec-87	16 F	866.0
03U009	912.9	11-Jan-88	17 A	866.4
03U009	912.9	26-Jan-88	17 F	866.2
03U009	912.9	13-Apr-88	18 F	866.0
03U009	912.9	02-May-88	18 A	864.9
03U009	912.9	20-May-88	18 A	864.4
03U009	912.9	23-Jun-88	18 A	859.1
03U009	912.9	27-Jul-88	19 A	857.5
03U009	912.9	30-Aug-88	19 F	859.4
03U009	912.9	01-Sep-88	19 A	859.5
03U009	912.9	21-Sep-88	19 A	859.9
03U009	912.9	14-Oct-88	20 A	860.9
03U009	912.9	22-Nov-88	20 F	861.7
03U009	912.9	02-Dec-88	20 A	861.9
03U009	912.9	13-Jan-89	21 A	862.0
03U009	912.9	31-Mar-89	21 A	862.8
03U009	912.9	05-Aug-89	23 F	857.9
03U009	912.9	05-Oct-89	24 A	859.2
03U009	912.9	02-Nov-89	24 F	859.8
03U009	912.9	21-Dec-89	24 A	860.2
03U009	912.9	11-Jan-90	25 A	860.3
03U009	912.9	23-Apr-90	26 F	859.4
03U009	912.9	16-May-90	26 A	859.9
03U009	912.9	28-Feb-91	30 A	870.4
03U009	912.9	28-Mar-91	30 F	861.2
03U009	912.9	27-Sep-91	32 A	861.9
03U009	912.9	10-Mar-92	34 F	863.7
03U009	912.9	24-Mar-92	34 A	863.6
03U009	912.9	08-Oct-92	37 A	863.2
03U009	912.9	02-Mar-93	38 A	863.9
03U009	912.9	02-Mar-93	38 F	864.1
03U009	912.9	10-Sep-93	40 A	866.0
03U009	912.9	01-Mar-94	42 A	866.7
03U009	912.9	11-Mar-94	42 F	866.9
03U009	912.9	02-Sep-94	44 A	864.9
03U010	888.4	24-Nov-87	16 A	865.6
03U010	888.4	30-Nov-87	16 A	866.0
03U010	888.4	14-Dec-87	16 A	866.0
03U010	888.4	11-Jan-88	17 A	866.4
03U010	888.4	26-Jan-88	17 F	866.2
03U010	888.4	13-Apr-88	18 F	866.0
03U010	888.4	02-May-88	18 A	865.1

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U010	888.4	20-May-88	18 A	864.6
03U010	888.4	23-Jun-88	18 A	859.2
03U010	888.4	27-Jul-88	19 A	857.7
03U010	888.4	30-Aug-88	19 F	859.6
03U010	888.4	01-Sep-88	19 A	859.6
03U010	888.4	21-Sep-88	19 A	860.1
03U010	888.4	14-Oct-88	20 A	861.0
03U010	888.4	22-Nov-88	20 F	861.7
03U010	888.4	02-Dec-88	20 A	861.8
03U010	888.4	13-Jan-89	21 A	861.9
03U010	888.4	31-Mar-89	21 A	863.1
03U010	888.4	05-Aug-89	23 F	858.3
03U010	888.4	05-Oct-89	24 A	859.4
03U010	888.4	02-Nov-89	24 F	860.0
03U010	888.4	21-Dec-89	24 A	860.4
03U010	888.4	11-Jan-90	25 A	860.6
03U010	888.4	27-Apr-90	26 F	860.1
03U010	888.4	16-May-90	26 A	860.2
03U010	888.4	28-Feb-91	30 A	861.6
03U010	888.4	01-Apr-91	30 F	861.5
03U010	888.4	27-Sep-91	32 A	862.2
03U010	888.4	10-Mar-92	34 F	864.0
03U010	888.4	24-Mar-92	34 A	863.9
03U010	888.4	08-Oct-92	37 A	863.2
03U010	888.4	02-Mar-93	38 A	864.1
03U010	888.4	02-Mar-93	38 F	864.1
03U010	888.4	10-Sep-93	40 A	866.0
03U010	888.4	01-Mar-94	42 A	866.8
03U010	888.4	11-Mar-94	42 F	867.0
03U010	888.4	02-Sep-94	44 A	865.0
03U011	900.6	24-Nov-87	16 A	863.1
03U011	900.6	30-Nov-87	16 A	863.4
03U011	900.6	14-Dec-87	16 F	863.6
03U011	900.6	11-Jan-88	17 A	863.8
03U011	900.6	13-Apr-88	18 F	862.5
03U011	900.6	02-May-88	18 A	863.0
03U011	900.6	20-May-88	18 A	862.6
03U011	900.6	23-Jun-88	18 A	858.5
03U011	900.6	27-Jul-88	19 A	856.9
03U011	900.6	30-Aug-88	19 F	857.8
03U011	900.6	01-Sep-88	19 A	857.7
03U011	900.6	21-Sep-88	19 A	858.0
03U011	900.6	14-Oct-88	20 A	858.5
03U011	900.6	22-Nov-88	20 F	859.0
03U011	900.6	02-Dec-88	20 A	859.0
03U011	900.6	13-Jan-89	21 A	859.3
03U011	900.6	31-Mar-89	21 A	861.0
03U011	900.6	05-Aug-89	23 F	857.4
03U011	900.6	05-Oct-89	24 A	857.5
03U011	900.6	02-Nov-89	24 F	857.9
03U011	900.6	21-Dec-89	24 A	858.3
03U011	900.6	11-Jan-90	25 A	858.4
03U011	900.6	27-Apr-90	26 F	858.2
03U011	900.6	16-May-90	26 A	858.0
03U011	900.6	28-Feb-91	30 A	859.3
03U011	900.6	01-Apr-91	30 F	859.3
03U011	900.6	27-Sep-91	32 A	859.5
03U011	900.6	10-Mar-92	34 F	861.6
03U011	900.6	24-Mar-92	34 A	861.4
03U011	900.6	08-Oct-92	37 A	860.6
03U011	900.6	01-Mar-93	38 F	861.8
03U011	900.6	02-Mar-93	38 A	861.7
03U011	900.6	10-Sep-93	40 A	863.3
03U011	900.6	01-Mar-94	42 A	864.6
03U011	900.6	11-Mar-94	42 F	864.9
03U011	900.6	02-Sep-94	44 A	862.9
03U012	880.0	17-Nov-87	16 A	859.7
03U012	880.0	24-Nov-87	16 A	859.6
03U012	880.0	30-Nov-87	16 A	860.0
03U012	880.0	14-Dec-87	16 A	859.9
03U012	880.0	11-Jan-88	17 A	860.2
03U012	880.0	27-Jan-88	17 F	860.0
03U012	880.0	13-Apr-88	18 F	859.8
03U012	880.0	02-May-88	18 A	859.4
03U012	880.0	20-May-88	18 A	858.9
03U012	880.0	23-Jun-88	18 A	854.8
03U012	880.0	27-Jul-88	19 A	853.6
03U012	880.0	30-Aug-88	19 F	854.5
03U012	880.0	01-Sep-88	19 A	854.4
03U012	880.0	21-Sep-88	19 A	854.7
03U012	880.0	14-Oct-88	20 A	855.3
03U012	880.0	22-Nov-88	20 F	855.8
03U012	880.0	02-Dec-88	20 A	855.9
03U012	880.0	13-Jan-89	21 A	856.3
03U012	880.0	31-Mar-89	21 A	856.6
03U012	880.0	07-Jul-89	23 A	853.6
03U012	880.0	05-Aug-89	23 F	852.8
03U012	880.0	05-Oct-89	24 A	853.2
03U012	880.0	02-Nov-89	24 F	853.6
03U012	880.0	21-Dec-89	24 A	853.9
03U012	880.0	11-Jan-90	25 A	854.1
03U012	880.0	16-May-90	26 A	853.7
03U012	880.0	16-Jul-90	27 A	853.7
03U012	880.0	28-Feb-91	30 A	855.0
03U012	880.0	03-Jun-91	31 A	855.3
03U012	880.0	03-Sep-91	32 A	853.9
03U012	880.0	27-Sep-91	32 A	855.0
03U012	880.0	06-Dec-91	33 A	856.3
03U012	880.0	24-Mar-92	34 A	856.9
03U012	880.0	01-Jun-92	35 A	856.3
03U012	880.0	01-Sep-92	36 A	855.3
03U012	880.0	08-Oct-92	37 A	856.3
03U012	880.0	02-Mar-93	38 A	857.4
03U012	880.0	10-Sep-93	40 A	859.0
03U012	880.0	01-Mar-94	42 A	860.4
03U012	880.0	02-Sep-94	44 A	858.5
03U013	890.0	17-Nov-87	16 A	852.9
03U013	890.0	24-Nov-87	16 A	852.6
03U013	890.0	30-Nov-87	16 A	853.0
03U013	890.0	14-Dec-87	16 F	852.8
03U013	890.0	11-Jan-88	17 A	853.1
03U013	890.0	27-Jan-88	17 F	852.8
03U013	890.0	13-Apr-88	18 F	853.3
03U013	890.0	02-May-88	18 A	852.6
03U013	890.0	20-May-88	18 A	852.1
03U013	890.0	23-Jun-88	18 A	849.2
03U013	890.0	27-Jul-88	19 A	848.1
03U013	890.0	30-Aug-88	19 F	848.3
03U013	890.0	01-Sep-88	19 A	848.1
03U013	890.0	21-Sep-88	19 A	848.1
03U013	890.0	14-Oct-88	20 A	848.6
03U013	890.0	22-Nov-88	20 F	849.2
03U013	890.0	02-Dec-88	20 A	849.2
03U013	890.0	13-Jan-89	21 A	849.8
03U013	890.0	31-Mar-89	21 A	848.2
03U013	890.0	05-Aug-89	23 F	845.3
03U013	890.0	05-Oct-89	24 A	845.4
03U013	890.0	02-Nov-89	24 F	845.6
03U013	890.0	21-Dec-89	24 A	845.6
03U013	890.0	11-Jan-90	25 A	845.8
03U013	890.0	16-May-90	26 A	845.7
03U013	890.0	28-Feb-91	30 A	846.4
03U013	890.0	27-Sep-91	32 A	846.1
03U013	890.0	24-Mar-92	34 A	848.0
03U013	890.0	08-Oct-92	37 A	847.7
03U013	890.0	02-Mar-93	38 A	848.8
03U013	890.0	10-Sep-93	40 A	850.1
03U013	890.0	01-Mar-94	42 A	851.9
03U013	890.0	02-Sep-94	44 A	850.2
03U014	988.3	17-Nov-87	16 A	856.8
03U014	988.3	24-Nov-87	16 A	856.7
03U014	988.3	30-Nov-87	16 A	856.7
03U014	988.3	14-Dec-87	16 A	856.9
03U014	988.3	15-Dec-87	16 F	856.9

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U014	988.3	11-Jan-88	17 A	857.0
03U014	988.3	26-Jan-88	17 F	856.8
03U014	988.3	14-Apr-88	18 F	857.3
03U014	988.3	02-May-88	18 A	857.1
03U014	988.3	20-May-88	18 A	855.6
03U014	988.3	23-Jun-88	18 A	855.8
03U014	988.3	27-Jul-88	19 A	854.3
03U014	988.3	30-Aug-88	19 F	853.2
03U014	988.3	01-Sep-88	19 A	853.2
03U014	988.3	21-Sep-88	19 A	852.8
03U014	988.3	14-Oct-88	20 A	852.6
03U014	988.3	22-Nov-88	20 F	851.6
03U014	988.3	02-Dec-88	20 A	852.8
03U014	988.3	13-Jan-89	21 A	852.9
03U014	988.3	31-Mar-89	21 A	852.1
03U014	988.3	05-Aug-89	23 F	850.7
03U014	988.3	05-Oct-89	24 A	849.8
03U014	988.3	02-Nov-89	24 F	849.7
03U014	988.3	21-Dec-89	24 A	849.6
03U014	988.3	11-Jan-90	25 A	849.4
03U014	988.3	16-May-90	26 A	849.3
03U014	988.3	16-Jul-90	27 A	849.1
03U014	988.3	28-Feb-91	30 A	849.9
03U014	988.3	03-Jun-91	31 A	849.9
03U014	988.3	03-Sep-91	32 A	849.4
03U014	988.3	27-Sep-91	32 A	849.6
03U014	988.3	06-Dec-91	33 A	850.7
03U014	988.3	24-Mar-92	34 A	851.7
03U014	988.3	01-Jun-92	35 A	852.3
03U014	988.3	01-Sep-92	36 A	851.4
03U014	988.3	08-Oct-92	37 A	852.0
03U014	988.3	02-Mar-93	38 A	852.7
03U014	988.3	10-Sep-93	40 A	854.0
03U014	988.3	01-Mar-94	42 A	855.7
03U014	988.3	02-Sep-94	44 A	854.9
03U015	934.6	17-Nov-87	16 A	856.8
03U015	934.6	24-Nov-87	16 A	856.7
03U015	934.6	30-Nov-87	16 A	856.9
03U015	934.6	14-Dec-87	16 A	857.0
03U015	934.6	14-Dec-87	16 F	856.9
03U015	934.6	11-Jan-88	17 A	857.1
03U015	934.6	13-Apr-88	18 F	857.1
03U015	934.6	02-May-88	18 A	857.1
03U015	934.6	20-May-88	18 A	856.6
03U015	934.6	23-Jun-88	18 A	854.8
03U015	934.6	27-Jul-88	19 A	853.4
03U015	934.6	30-Aug-88	19 F	852.6
03U015	934.6	01-Sep-88	19 A	852.6
03U015	934.6	21-Sep-88	19 A	852.4
03U015	934.6	14-Oct-88	20 A	852.5
03U015	934.6	22-Nov-88	20 F	852.7
03U015	934.6	02-Dec-88	20 A	852.8
03U015	934.6	13-Jan-89	21 A	853.0
03U015	934.6	31-Mar-89	21 A	852.7
03U015	934.6	05-Aug-89	23 F	850.6
03U015	934.6	05-Oct-89	24 A	850.1
03U015	934.6	02-Nov-89	24 F	850.0
03U015	934.6	21-Dec-89	24 A	850.1
03U015	934.6	11-Jan-90	25 A	850.0
03U015	934.6	01-May-90	26 F	849.9
03U015	934.6	16-May-90	26 A	849.9
03U015	934.6	28-Feb-91	30 A	850.8
03U015	934.6	26-Mar-91	30 F	850.7
03U015	934.6	27-Sep-91	32 A	850.6
03U015	934.6	16-Mar-92	34 F	852.8
03U015	934.6	24-Mar-92	34 A	852.6
03U015	934.6	08-Oct-92	37 A	852.7
03U015	934.6	02-Mar-93	38 A	853.7
03U015	934.6	04-Mar-93	38 F	853.5
03U015	934.6	10-Sep-93	40 A	855.0
03U015	934.6	01-Mar-94	42 A	856.7
03U015	934.6	14-Mar-94	42 F	856.7
03U015	934.6	02-Sep-94	44 A	855.5
03U016	947.3	24-Nov-87	16 A	859.3
03U016	947.3	30-Nov-87	16 A	859.4
03U016	947.3	14-Dec-87	16 A	859.6
03U016	947.3	11-Jan-88	17 A	859.7
03U016	947.3	27-Jan-88	17 F	859.7
03U016	947.3	13-Apr-88	18 F	859.6
03U016	947.3	02-May-88	18 A	859.6
03U016	947.3	20-May-88	18 A	859.3
03U016	947.3	23-Jun-88	18 A	857.5
03U016	947.3	27-Jul-88	19 A	855.7
03U016	947.3	30-Aug-88	19 F	855.0
03U016	947.3	01-Sep-88	19 A	855.1
03U016	947.3	21-Sep-88	19 A	855.0
03U016	947.3	14-Oct-88	20 A	855.0
03U016	947.3	22-Nov-88	20 F	855.0
03U016	947.3	02-Dec-88	20 A	855.2
03U016	947.3	13-Jan-89	21 A	855.4
03U016	947.3	31-Mar-89	21 A	855.7
03U016	947.3	05-Oct-89	24 A	853.1
03U016	947.3	06-Nov-89	24 F	853.1
03U016	947.3	21-Dec-89	24 A	853.1
03U016	947.3	11-Jan-90	25 A	865.1
03U016	947.3	01-May-90	26 F	853.1
03U016	947.3	16-May-90	26 A	853.0
03U016	947.3	28-Feb-91	30 A	853.9
03U016	947.3	25-Mar-91	30 F	853.7
03U016	947.3	27-Sep-91	32 A	853.7
03U016	947.3	13-Mar-92	34 F	855.9
03U016	947.3	24-Mar-92	34 A	855.8
03U016	947.3	08-Oct-92	37 A	855.4
03U016	947.3	02-Mar-93	38 A	856.4
03U016	947.3	04-Mar-93	38 F	856.4
03U016	947.3	10-Sep-93	40 A	857.8
03U016	947.3	01-Mar-94	42 A	859.5
03U016	947.3	14-Mar-94	42 F	859.8
03U016	947.3	02-Sep-94	44 A	858.2
03U017	939.0	17-Nov-87	16 A	854.3
03U017	939.0	24-Nov-87	16 A	854.1
03U017	939.0	14-Dec-87	16 A	854.4
03U017	939.0	15-Dec-87	16 F	854.4
03U017	939.0	11-Jan-88	17 A	854.4
03U017	939.0	27-Jan-88	17 F	854.3
03U017	939.0	13-Apr-88	18 F	855.1
03U017	939.0	02-May-88	18 A	854.5
03U017	939.0	20-May-88	18 A	854.1
03U017	939.0	23-Jun-88	18 A	852.8
03U017	939.0	27-Jul-88	19 A	851.3
03U017	939.0	30-Aug-88	19 F	850.5
03U017	939.0	01-Sep-88	19 A	850.2
03U017	939.0	21-Sep-88	19 A	850.2
03U017	939.0	14-Oct-88	20 A	850.0
03U017	939.0	22-Nov-88	20 F	850.6
03U017	939.0	02-Dec-88	20 A	850.7
03U017	939.0	13-Jan-89	21 A	851.0
03U017	939.0	31-Mar-89	21 A	849.2
03U017	939.0	05-Aug-89	23 F	847.3
03U017	939.0	05-Oct-89	24 A	847.1
03U017	939.0	04-Nov-89	24 F	846.8
03U017	939.0	21-Dec-89	24 A	846.5
03U017	939.0	11-Jan-90	25 A	846.3
03U017	939.0	16-May-90	26 A	846.5
03U017	939.0	28-Feb-91	30 A	847.1
03U017	939.0	27-Sep-91	32 A	846.8
03U017	939.0	24-Mar-92	34 A	848.6
03U017	939.0	08-Oct-92	37 A	848.9
03U017	939.0	02-Mar-93	38 A	849.8
03U017	939.0	10-Sep-93	40 A	851.1
03U017	939.0	01-Mar-94	42 A	852.9
03U017	939.0	02-Sep-94	44 A	851.6
03U018	988.8	24-Nov-87	16 A	856.6
03U018	988.8	30-Nov-87	16 A	856.6

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U018	988.8	14-Dec-87	16 A	856.8
03U018	988.8	14-Dec-87	16 F	856.7
03U018	988.8	11-Jan-88	17 A	856.9
03U018	988.8	27-Jan-88	17 F	856.9
03U018	988.8	14-Apr-88	18 F	857.1
03U018	988.8	02-May-88	18 A	857.0
03U018	988.8	20-May-88	18 A	856.6
03U018	988.8	23-Jun-88	18 A	855.4
03U018	988.8	27-Jul-88	19 A	853.9
03U018	988.8	30-Aug-88	19 F	852.9
03U018	988.8	01-Sep-88	19 A	852.8
03U018	988.8	21-Sep-88	19 A	852.6
03U018	988.8	14-Oct-88	20 A	852.5
03U018	988.8	22-Nov-88	20 F	852.5
03U018	988.8	02-Dec-88	20 A	852.7
03U018	988.8	13-Jan-89	21 A	852.9
03U018	988.8	31-Mar-89	21 A	852.1
03U018	988.8	05-Aug-89	23 F	850.4
03U018	988.8	05-Oct-89	24 A	849.8
03U018	988.8	04-Nov-89	24 F	849.6
03U018	988.8	21-Dec-89	24 A	849.3
03U018	988.8	11-Jan-90	25 A	849.3
03U018	988.8	16-May-90	26 A	849.3
03U018	988.8	28-Feb-91	30 A	850.0
03U018	988.8	27-Sep-91	32 A	849.7
03U018	988.8	24-Mar-92	34 A	852.4
03U018	988.8	08-Oct-92	37 A	852.0
03U018	988.8	02-Mar-93	38 A	852.8
03U018	988.8	10-Sep-93	40 A	854.2
03U018	988.8	01-Mar-94	42 A	856.0
03U018	988.8	02-Sep-94	44 A	854.9
03U019	943.2	24-Nov-87	16 A	857.4
03U019	943.2	30-Nov-87	16 A	857.5
03U019	943.2	14-Dec-87	16 A	857.5
03U019	943.2	11-Jan-88	17 A	857.8
03U019	943.2	27-Jan-88	17 F	857.8
03U019	943.2	14-Apr-88	18 F	857.9
03U019	943.2	02-May-88	18 A	857.8
03U019	943.2	20-May-88	18 A	857.5
03U019	943.2	23-Jun-88	18 A	856.4
03U019	943.2	27-Jul-88	19 A	854.8
03U019	943.2	30-Aug-88	19 F	853.8
03U019	943.2	01-Sep-88	19 A	853.7
03U019	943.2	21-Sep-88	19 A	853.4
03U019	943.2	14-Oct-88	20 A	853.2
03U019	943.2	22-Nov-88	20 F	853.3
03U019	943.2	02-Dec-88	20 A	853.4
03U019	943.2	13-Jan-89	21 A	853.6
03U019	943.2	31-Mar-89	21 A	853.3
03U019	943.2	05-Aug-89	23 F	851.8
03U019	943.2	05-Oct-89	24 A	850.9
03U019	943.2	04-Nov-89	24 F	850.8
03U019	943.2	21-Dec-89	24 A	850.7
03U019	943.2	11-Jan-90	25 A	850.6
03U019	943.2	01-May-90	26 F	850.6
03U019	943.2	16-May-90	26 A	850.5
03U019	943.2	19-Jul-90	27 F	850.5
03U019	943.2	28-Feb-91	30 A	851.2
03U019	943.2	27-Mar-91	30 F	851.1
03U019	943.2	27-Sep-91	32 A	850.9
03U019	943.2	11-Mar-92	34 F	853.0
03U019	943.2	24-Mar-92	34 A	852.9
03U019	943.2	08-Oct-92	37 A	853.4
03U019	943.2	02-Mar-93	38 A	854.3
03U019	943.2	05-Mar-93	38 F	854.2
03U019	943.2	10-Sep-93	40 A	855.6
03U019	943.2	01-Mar-94	42 A	857.3
03U019	943.2	16-Mar-94	42 F	857.1
03U019	943.2	02-Sep-94	44 A	856.4
03U020	954.3	17-Nov-87	16 A	854.7
03U020	954.3	24-Nov-87	16 A	854.6
03U020	954.3	30-Nov-87	16 A	854.6

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U020	954.3	14-Dec-87	16 A	854.5
03U020	954.3	14-Dec-87	16 F	854.4
03U020	954.3	11-Jan-88	17 A	854.8
03U020	954.3	27-Jan-88	17 F	854.7
03U020	954.3	14-Apr-88	18 F	855.6
03U020	954.3	02-May-88	18 A	855.1
03U020	954.3	20-May-88	18 A	854.6
03U020	954.3	23-Jun-88	18 A	853.6
03U020	954.3	27-Jul-88	19 A	852.1
03U020	954.3	30-Aug-88	19 F	851.0
03U020	954.3	01-Sep-88	19 A	850.9
03U020	954.3	21-Sep-88	19 A	850.8
03U020	954.3	14-Oct-88	20 A	850.5
03U020	954.3	22-Nov-88	20 F	850.9
03U020	954.3	02-Dec-88	20 A	851.2
03U020	954.3	13-Jan-89	21 A	851.0
03U020	954.3	31-Mar-89	21 A	849.5
03U020	954.3	07-Jul-89	23 A	848.3
03U020	954.3	05-Aug-89	23 F	848.0
03U020	954.3	05-Oct-89	24 A	847.3
03U020	954.3	04-Nov-89	24 F	846.1
03U020	954.3	21-Dec-89	24 A	846.8
03U020	954.3	11-Jan-90	25 A	846.6
03U020	954.3	16-May-90	26 A	846.8
03U020	954.3	16-Jul-90	27 A	846.6
03U020	954.3	28-Feb-91	30 A	847.3
03U020	954.3	03-Jun-91	31 A	847.2
03U020	954.3	03-Sep-91	32 A	846.8
03U020	954.3	27-Sep-91	32 A	847.0
03U020	954.3	06-Dec-91	33 A	848.1
03U020	954.3	24-Mar-92	34 A	848.9
03U020	954.3	01-Jun-92	35 A	849.5
03U020	954.3	01-Sep-92	36 A	849.0
03U020	954.3	08-Oct-92	37 A	849.1
03U020	954.3	02-Mar-93	38 A	850.1
03U020	954.3	10-Sep-93	40 A	851.3
03U020	954.3	01-Mar-94	42 A	853.1
03U020	954.3	02-Sep-94	44 A	852.0
03U021	944.4	30-Nov-87	16 A	853.2
03U021	944.4	14-Dec-87	16 A	852.8
03U021	944.4	15-Dec-87	16 F	852.9
03U021	944.4	28-Jan-88	17 F	853.0
03U021	944.4	14-Apr-88	18 F	854.5
03U021	944.4	02-May-88	18 A	853.5
03U021	944.4	30-Aug-88	19 F	849.6
03U021	944.4	13-Jan-89	21 A	850.0
03U021	944.4	31-Mar-89	21 A	847.5
03U021	944.4	05-Aug-89	23 F	846.1
03U021	944.4	05-Oct-89	24 A	845.5
03U021	944.4	04-Nov-89	24 F	845.3
03U021	944.4	21-Dec-89	24 A	844.8
03U021	944.4	11-Jan-90	25 A	844.8
03U021	944.4	16-May-90	26 A	844.8
03U021	944.4	28-Feb-91	30 A	845.3
03U021	944.4	27-Sep-91	32 A	845.1
03U021	944.4	24-Mar-92	34 A	846.7
03U021	944.4	08-Oct-92	37 A	846.8
03U021	944.4	02-Mar-93	38 A	847.7
03U021	944.4	10-Sep-93	40 A	849.1
03U021	944.4	01-Mar-94	42 A	850.8
03U021	944.4	02-Sep-94	44 A	849.7
03U022	899.3	24-Nov-87	16 A	860.2
03U022	899.3	30-Nov-87	16 A	860.4
03U022	899.3	14-Dec-87	16 A	860.6
03U022	899.3	11-Jan-88	17 A	860.8
03U022	899.3	27-Jan-88	17 F	860.8
03U022	899.3	13-Apr-88	18 F	860.3
03U022	899.3	02-May-88	18 A	860.3
03U022	899.3	20-May-88	18 A	859.9
03U022	899.3	23-Jun-88	18 A	856.6
03U022	899.3	27-Jul-88	19 A	855.1
03U022	899.3	30-Aug-88	19 F	855.3

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U022	899.3	01-Sep-88	19 A	855.3
03U022	899.3	21-Sep-88	19 A	855.4
03U022	899.3	14-Oct-88	20 A	855.7
03U022	899.3	22-Nov-88	20 F	855.9
03U022	899.3	02-Dec-88	20 A	856.0
03U022	899.3	13-Jan-89	21 A	856.3
03U022	899.3	31-Mar-89	21 A	857.4
03U022	899.3	05-Aug-89	23 F	854.4
03U022	899.3	05-Oct-89	24 A	854.3
03U022	899.3	02-Nov-89	24 F	854.4
03U022	899.3	21-Dec-89	24 A	854.8
03U022	899.3	11-Jan-90	25 A	854.9
03U022	899.3	30-Apr-90	26 F	854.4
03U022	899.3	16-May-90	26 A	854.6
03U022	899.3	28-Feb-91	30 A	855.8
03U022	899.3	19-Mar-91	30 F	855.5
03U022	899.3	27-Sep-91	32 A	855.8
03U022	899.3	06-Mar-92	34 F	857.8
03U022	899.3	24-Mar-92	34 A	857.8
03U022	899.3	08-Oct-92	37 A	857.4
03U022	899.3	01-Mar-93	38 F	858.4
03U022	899.3	02-Mar-93	38 A	858.5
03U022	899.3	10-Sep-93	40 A	860.0
03U022	899.3	01-Mar-94	42 A	861.4
03U022	899.3	08-Mar-94	42 F	861.3
03U022	899.3	02-Sep-94	44 A	859.8
03U023	899.5	24-Nov-87	16 A	860.2
03U023	899.5	30-Nov-87	16 A	860.5
03U023	899.5	14-Dec-87	16 A	860.5
03U023	899.5	14-Dec-87	16 F	860.6
03U023	899.5	11-Jan-88	17 A	860.8
03U023	899.5	27-Jan-88	17 F	860.8
03U023	899.5	13-Apr-88	18 F	860.4
03U023	899.5	02-May-88	18 A	860.1
03U023	899.5	20-May-88	18 A	859.7
03U023	899.5	23-Jun-88	18 A	856.9
03U023	899.5	27-Jul-88	19 A	854.6
03U023	899.5	30-Aug-88	19 F	855.2
03U023	899.5	01-Sep-88	19 A	855.2
03U023	899.5	21-Sep-88	19 A	855.3
03U023	899.5	14-Oct-88	20 A	855.9
03U023	899.5	22-Nov-88	20 F	856.2
03U023	899.5	02-Dec-88	20 A	856.2
03U023	899.5	13-Jan-89	21 A	856.5
03U023	899.5	31-Mar-89	21 A	857.3
03U023	899.5	05-Aug-89	23 F	853.9
03U023	899.5	05-Oct-89	24 A	854.1
03U023	899.5	02-Nov-89	24 F	854.3
03U023	899.5	21-Dec-89	24 A	854.7
03U023	899.5	11-Jan-90	25 A	854.8
03U023	899.5	25-Apr-90	26 F	854.5
03U023	899.5	16-May-90	26 A	854.4
03U023	899.5	28-Feb-91	30 A	855.7
03U023	899.5	19-Mar-91	30 F	854.9
03U023	899.5	27-Sep-91	32 A	855.8
03U023	899.5	09-Mar-92	34 F	857.7
03U023	899.5	24-Mar-92	34 A	857.7
03U023	899.5	08-Oct-92	37 A	857.1
03U023	899.5	02-Mar-93	38 A	858.2
03U023	899.5	02-Mar-93	38 F	858.2
03U023	899.5	10-Sep-93	40 A	859.7
03U023	899.5	01-Mar-94	42 A	861.1
03U023	899.5	07-Mar-94	42 F	861.2
03U023	899.5	02-Sep-94	44 A	859.4
03U024	894.7	24-Nov-87	16 A	859.3
03U024	894.7	30-Nov-87	16 A	859.5
03U024	894.7	14-Dec-87	16 A	859.6
03U024	894.7	11-Jan-88	17 A	859.8
03U024	894.7	27-Jan-88	17 F	859.7
03U024	894.7	14-Apr-88	18 F	859.2
03U024	894.7	02-May-88	18 A	859.3
03U024	894.7	20-May-88	18 A	859.0
03U024	894.7	23-Jun-88	18 A	856.0
03U024	894.7	27-Jul-88	19 A	854.6
03U024	894.7	30-Aug-88	19 F	854.7
03U024	894.7	01-Sep-88	19 A	854.6
03U024	894.7	21-Sep-88	19 A	854.6
03U024	894.7	14-Oct-88	20 A	854.9
03U024	894.7	22-Nov-88	20 F	855.0
03U024	894.7	02-Dec-88	20 A	855.1
03U024	894.7	13-Jan-89	21 A	855.3
03U024	894.7	31-Mar-89	21 A	856.2
03U024	894.7	05-Aug-89	23 F	853.3
03U024	894.7	05-Oct-89	24 A	853.1
03U024	894.7	02-Nov-89	24 F	853.2
03U024	894.7	21-Dec-89	24 A	853.5
03U024	894.7	11-Jan-90	25 A	853.6
03U024	894.7	30-Apr-90	26 F	859.3
03U024	894.7	16-May-90	26 A	853.3
03U024	894.7	28-Feb-91	30 A	854.4
03U024	894.7	01-Apr-91	30 F	854.2
03U024	894.7	27-Sep-91	32 A	854.4
03U024	894.7	16-Mar-92	34 F	856.5
03U024	894.7	24-Mar-92	34 A	856.3
03U024	894.7	08-Oct-92	37 A	855.7
03U024	894.7	02-Mar-93	38 A	856.9
03U024	894.7	02-Mar-93	38 F	856.8
03U024	894.7	10-Sep-93	40 A	858.3
03U024	894.7	01-Mar-94	42 A	859.8
03U024	894.7	16-Mar-94	42 F	860.1
03U024	894.7	02-Sep-94	44 A	858.3
03U025	887.0	17-Nov-87	16 A	857.8
03U025	887.0	24-Nov-87	16 A	857.7
03U025	887.0	30-Nov-87	16 A	859.0
03U025	887.0	14-Dec-87	16 A	858.0
03U025	887.0	11-Jan-88	17 A	858.1
03U025	887.0	26-Jan-88	17 F	858.1
03U025	887.0	13-Apr-88	18 F	855.6
03U025	887.0	02-May-88	18 A	857.7
03U025	887.0	20-May-88	18 A	857.4
03U025	887.0	23-Jun-88	18 A	854.4
03U025	887.0	27-Jul-88	19 A	853.1
03U025	887.0	30-Aug-88	19 F	853.1
03U025	887.0	01-Sep-88	19 A	853.1
03U025	887.0	21-Sep-88	19 A	853.0
03U025	887.0	14-Oct-88	20 A	853.4
03U025	887.0	22-Nov-88	20 F	853.8
03U025	887.0	02-Dec-88	20 A	853.8
03U025	887.0	13-Jan-89	21 A	854.2
03U025	887.0	31-Mar-89	21 A	854.1
03U025	887.0	05-Aug-89	23 F	851.2
03U025	887.0	05-Oct-89	24 A	851.1
03U025	887.0	02-Nov-89	24 F	851.3
03U025	887.0	21-Dec-89	24 A	851.5
03U025	887.0	11-Jan-90	25 A	851.6
03U025	887.0	30-Apr-90	26 F	855.3
03U025	887.0	16-May-90	26 A	851.3
03U025	887.0	28-Feb-91	30 A	852.4
03U025	887.0	01-Apr-91	30 F	852.2
03U025	887.0	27-Sep-91	32 A	852.3
03U025	887.0	16-Mar-92	34 F	854.5
03U025	887.0	24-Mar-92	34 A	854.2
03U025	887.0	08-Oct-92	37 A	853.5
03U025	887.0	02-Mar-93	38 A	854.6
03U025	887.0	02-Mar-93	38 F	854.5
03U025	887.0	10-Sep-93	40 A	856.0
03U025	887.0	01-Mar-94	42 A	857.6
03U025	887.0	16-Mar-94	42 F	858.1
03U025	887.0	02-Sep-94	44 A	856.1
03U026	975.1	24-Nov-87	16 A	857.5
03U026	975.1	30-Nov-87	16 A	857.6
03U026	975.1	14-Dec-87	16 A	857.7
03U026	975.1	14-Dec-87	16 F	857.8
03U026	975.1	11-Jan-88	17 A	857.9

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U026	975.1	26-Jan-88	17 F	857.9
03U026	975.1	14-Apr-88	18 F	858.1
03U026	975.1	02-May-88	18 A	858.0
03U026	975.1	20-May-88	18 A	857.6
03U026	975.1	23-Jun-88	18 A	854.5
03U026	975.1	27-Jul-88	19 A	854.9
03U026	975.1	30-Aug-88	19 F	853.9
03U026	975.1	01-Sep-88	19 A	853.9
03U026	975.1	21-Sep-88	19 A	853.6
03U026	975.1	14-Oct-88	20 A	853.4
03U026	975.1	22-Nov-88	20 F	853.5
03U026	975.1	02-Dec-88	20 A	853.6
03U026	975.1	13-Jan-89	21 A	853.7
03U026	975.1	31-Mar-89	21 A	853.3
03U026	975.1	05-Aug-89	23 F	851.9
03U026	975.1	05-Oct-89	24 A	851.0
03U026	975.1	02-Nov-89	24 F	850.9
03U026	975.1	21-Dec-89	24 A	850.8
03U026	975.1	11-Jan-90	25 A	850.7
03U026	975.1	01-May-90	26 F	850.7
03U026	975.1	19-Jul-90	27 F	850.6
03U026	975.1	21-Sep-90	28 F	850.4
03U026	975.1	29-Mar-91	30 F	851.1
03U026	975.1	11-Mar-92	34 F	853.2
03U026	975.1	09-Mar-93	38 F	853.6
03U026	975.1	16-Mar-94	42 F	857.2
03U027	966.5	17-Nov-87	16 A	855.0
03U027	966.5	24-Nov-87	16 A	854.9
03U027	966.5	30-Nov-87	16 A	855.0
03U027	966.5	14-Dec-87	16 F	854.9
03U027	966.5	11-Jan-88	17 A	855.2
03U027	966.5	27-Jan-88	17 F	855.0
03U027	966.5	14-Apr-88	18 F	856.0
03U027	966.5	02-May-88	18 A	855.4
03U027	966.5	20-May-88	18 A	854.9
03U027	966.5	23-Jun-88	18 A	854.0
03U027	966.5	27-Jul-88	19 A	852.5
03U027	966.5	30-Aug-88	19 F	851.5
03U027	966.5	01-Sep-88	19 A	851.3
03U027	966.5	21-Sep-88	19 A	851.1
03U027	966.5	14-Oct-88	20 A	850.8
03U027	966.5	22-Nov-88	20 F	851.2
03U027	966.5	02-Dec-88	20 A	851.5
03U027	966.5	13-Jan-89	21 A	851.7
03U027	966.5	31-Mar-89	21 A	849.9
03U027	966.5	05-Aug-89	23 F	848.5
03U027	966.5	05-Oct-89	24 A	846.7
03U027	966.5	04-Nov-89	24 F	847.6
03U027	966.5	21-Dec-89	24 A	847.4
03U027	966.5	11-Jan-90	25 A	847.1
03U027	966.5	16-May-90	26 A	847.2
03U027	966.5	28-Feb-91	30 A	847.7
03U027	966.5	27-Sep-91	32 A	847.3
03U027	966.5	24-Mar-92	34 A	849.3
03U027	966.5	08-Oct-92	37 A	849.5
03U027	966.5	02-Mar-93	38 A	850.4
03U027	966.5	10-Sep-93	40 A	851.6
03U027	966.5	01-Mar-94	42 A	853.4
03U027	966.5	02-Sep-94	44 A	852.4
03U028	957.0	17-Nov-87	16 A	854.1
03U028	957.0	30-Nov-87	16 A	854.0
03U028	957.0	14-Dec-87	16 F	853.9
03U028	957.0	11-Jan-88	17 A	854.1
03U028	957.0	27-Jan-88	17 F	854.0
03U028	957.0	14-Apr-88	18 F	855.2
03U028	957.0	02-May-88	18 A	854.5
03U028	957.0	20-May-88	18 A	854.0
03U028	957.0	23-Jun-88	18 A	853.2
03U028	957.0	27-Jul-88	19 A	851.7
03U028	957.0	30-Aug-88	19 F	850.5
03U028	957.0	01-Sep-88	19 A	850.4
03U028	957.0	21-Sep-88	19 A	850.2
03U028	957.0	14-Oct-88	20 A	849.9
03U028	957.0	22-Nov-88	20 F	850.6
03U028	957.0	02-Dec-88	20 A	850.4
03U028	957.0	13-Jan-89	21 A	850.7
03U028	957.0	31-Mar-89	21 A	848.7
03U028	957.0	05-Aug-89	23 F	847.5
03U028	957.0	05-Oct-89	24 A	846.7
03U028	957.0	03-Nov-89	24 F	846.5
03U028	957.0	21-Dec-89	24 A	846.3
03U028	957.0	11-Jan-90	25 A	846.2
03U028	957.0	16-May-90	26 A	846.1
03U028	957.0	28-Feb-91	30 A	846.5
03U028	957.0	27-Sep-91	32 A	846.1
03U028	957.0	24-Mar-92	34 A	848.1
03U028	957.0	08-Oct-92	37 A	848.7
03U028	957.0	02-Mar-93	38 A	849.6
03U028	957.0	10-Sep-93	40 A	850.7
03U028	957.0	01-Mar-94	42 A	852.6
03U028	957.0	02-Sep-94	44 A	851.6
03U029	956.9	17-Nov-87	16 A	855.9
03U029	956.9	30-Nov-87	16 A	855.7
03U029	956.9	14-Dec-87	16 A	854.6
03U029	956.9	11-Jan-88	17 A	854.8
03U029	956.9	27-Jan-88	17 F	855.7
03U029	956.9	14-Apr-88	18 F	857.1
03U029	956.9	02-May-88	18 A	856.3
03U029	956.9	20-May-88	18 A	855.8
03U029	956.9	23-Jun-88	18 A	855.2
03U029	956.9	27-Jul-88	19 A	853.7
03U029	956.9	30-Aug-88	19 F	851.4
03U029	956.9	01-Sep-88	19 A	851.9
03U029	956.9	21-Sep-88	19 A	852.1
03U029	956.9	14-Oct-88	20 A	850.7
03U029	956.9	22-Nov-88	20 F	852.2
03U029	956.9	02-Dec-88	20 A	852.2
03U029	956.9	13-Jan-89	21 A	852.5
03U029	956.9	31-Mar-89	21 A	849.3
03U029	956.9	05-Aug-89	23 F	848.4
03U029	956.9	05-Oct-89	24 A	847.9
03U029	956.9	03-Nov-89	24 F	847.4
03U029	956.9	21-Dec-89	24 A	847.0
03U029	956.9	11-Jan-90	25 A	846.9
03U029	956.9	16-May-90	26 A	847.7
03U029	956.9	28-Feb-91	30 A	847.1
03U029	956.9	27-Sep-91	32 A	846.6
03U029	956.9	24-Mar-92	34 A	848.4
03U029	956.9	08-Oct-92	37 A	846.9
03U029	956.9	02-Mar-93	38 A	847.7
03U029	956.9	10-Sep-93	40 A	848.9
03U029	956.9	01-Mar-94	42 A	851.0
03U029	956.9	02-Sep-94	44 A	850.0
03U030	958.7	17-Nov-87	16 A	855.5
03U030	958.7	30-Nov-87	16 A	855.4
03U030	958.7	14-Dec-87	16 A	855.4
03U030	958.7	14-Dec-87	16 F	855.3
03U030	958.7	11-Jan-88	17 A	855.5
03U030	958.7	27-Jan-88	17 F	855.4
03U030	958.7	14-Apr-88	18 F	856.1
03U030	958.7	02-May-88	18 A	855.8
03U030	958.7	20-May-88	18 A	855.4
03U030	958.7	23-Jun-88	18 A	854.4
03U030	958.7	27-Jul-88	19 A	852.9
03U030	958.7	30-Aug-88	19 F	851.8
03U030	958.7	01-Sep-88	19 A	851.8
03U030	958.7	21-Sep-88	19 A	851.5
03U030	958.7	14-Oct-88	20 A	851.3
03U030	958.7	22-Nov-88	20 F	851.7
03U030	958.7	02-Dec-88	20 A	851.5
03U030	958.7	13-Jan-89	21 A	851.9
03U030	958.7	31-Mar-89	21 A	850.5
03U030	958.7	05-Aug-89	23 F	849.1
03U030	958.7	05-Oct-89	24 A	848.4

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U030	958.7	03-Nov-89	24 F	848.1
03U030	958.7	21-Dec-89	24 A	848.0
03U030	958.7	11-Jan-90	25 A	847.9
03U030	958.7	16-May-90	26 A	847.7
03U030	958.7	28-Feb-91	30 A	848.3
03U030	958.7	27-Sep-91	32 A	847.9
03U030	958.7	24-Mar-92	34 A	849.9
03U030	958.7	08-Oct-92	37 A	850.4
03U030	958.7	02-Mar-93	38 A	851.1
03U030	958.7	10-Sep-93	40 A	852.2
03U030	958.7	01-Mar-94	42 A	854.2
03U030	958.7	02-Sep-94	44 A	853.2
03U031	898.4	17-Nov-87	16 A	855.0
03U031	898.4	24-Nov-87	16 A	854.8
03U031	898.4	30-Nov-87	16 A	855.0
03U031	898.4	14-Dec-87	16 A	854.9
03U031	898.4	11-Jan-88	17 A	855.1
03U031	898.4	26-Jan-88	17 F	855.1
03U031	898.4	13-Apr-88	18 F	856.6
03U031	898.4	02-May-88	18 A	854.7
03U031	898.4	20-May-88	18 A	854.7
03U031	898.4	23-Jun-88	18 A	852.9
03U031	898.4	27-Jul-88	19 A	851.6
03U031	898.4	30-Aug-88	19 F	850.5
03U031	898.4	01-Sep-88	19 A	850.6
03U031	898.4	21-Sep-88	19 A	850.5
03U031	898.4	14-Oct-88	20 A	850.7
03U031	898.4	22-Nov-88	20 F	851.2
03U031	898.4	02-Dec-88	20 A	850.8
03U031	898.4	13-Jan-89	21 A	851.4
03U031	898.4	31-Mar-89	21 A	850.2
03U031	898.4	05-Aug-89	23 F	848.1
03U031	898.4	05-Oct-89	24 A	847.7
03U031	898.4	02-Nov-89	24 F	847.7
03U031	898.4	21-Dec-89	24 A	847.7
03U031	898.4	11-Jan-90	25 A	847.6
03U031	898.4	16-May-90	26 A	847.6
03U031	898.4	28-Feb-91	30 A	848.4
03U031	898.4	27-Sep-91	32 A	848.1
03U031	898.4	24-Mar-92	34 A	850.1
03U031	898.4	08-Oct-92	37 A	850.1
03U031	898.4	02-Mar-93	38 A	851.1
03U031	898.4	10-Sep-93	40 A	852.5
03U031	898.4	01-Mar-94	42 A	854.1
03U031	898.4	02-Sep-94	44 A	852.8
03U032	1004.1	24-Nov-87	16 A	858.3
03U032	1004.1	30-Nov-87	16 A	858.3
03U032	1004.1	14-Dec-87	16 A	858.5
03U032	1004.1	11-Jan-88	17 A	858.7
03U032	1004.1	26-Jan-88	17 F	858.7
03U032	1004.1	14-Apr-88	18 F	858.6
03U032	1004.1	02-May-88	18 A	858.6
03U032	1004.1	20-May-88	18 A	858.2
03U032	1004.1	23-Jun-88	18 A	856.6
03U032	1004.1	27-Jul-88	19 A	855.0
03U032	1004.1	30-Aug-88	19 F	854.3
03U032	1004.1	01-Sep-88	19 A	854.2
03U032	1004.1	21-Sep-88	19 A	854.1
03U032	1004.1	14-Oct-88	20 A	853.9
03U032	1004.1	22-Nov-88	20 F	854.1
03U032	1004.1	02-Dec-88	20 A	854.1
03U032	1004.1	13-Jan-89	21 A	854.3
03U032	1004.1	31-Mar-89	21 A	854.4
03U032	1004.1	05-Aug-89	23 F	852.6
03U032	1004.1	05-Oct-89	24 A	851.8
03U032	1004.1	02-Nov-89	24 F	851.8
03U032	1004.1	21-Dec-89	24 A	851.8
03U032	1004.1	11-Jan-90	25 A	851.7
03U032	1004.1	01-May-90	26 F	851.7
03U032	1004.1	16-May-90	26 A	851.6
03U032	1004.1	18-Jul-90	27 F	851.7
03U032	1004.1	21-Sep-90	28 F	852.5
03U032	1004.1	28-Feb-91	30 A	852.5
03U032	1004.1	26-Mar-91	30 F	852.4
03U032	1004.1	04-Jun-91	31 F	852.4
03U032	1004.1	04-Sep-91	32 F	852.1
03U032	1004.1	27-Sep-91	32 A	852.2
03U032	1004.1	13-Mar-92	34 F	854.5
03U032	1004.1	24-Mar-92	34 A	854.3
03U032	1004.1	02-Jun-92	35 F	854.9
03U032	1004.1	04-Sep-92	36 F	854.1
03U032	1004.1	08-Oct-92	37 A	853.9
03U032	1004.1	02-Mar-93	38 A	854.9
03U032	1004.1	04-Mar-93	38 F	854.8
03U032	1004.1	08-Sep-93	40 F	856.4
03U032	1004.1	10-Sep-93	40 A	856.2
03U032	1004.1	01-Mar-94	42 A	857.9
03U032	1004.1	15-Mar-94	42 F	858.4
03U032	1004.1	02-Sep-94	44 A	856.8
03U032	1004.1	08-Sep-94	44 F	857.3
03U075	884.6	17-Nov-87	16 A	852.2
03U075	884.6	14-Dec-87	16 A	852.2
03U075	884.6	15-Dec-87	16 F	852.3
03U075	884.6	11-Jan-88	17 A	852.3
03U075	884.6	27-Jan-88	17 F	852.1
03U075	884.6	14-Apr-88	18 F	852.5
03U075	884.6	02-May-88	18 A	851.9
03U075	884.6	20-May-88	18 A	851.4
03U075	884.6	23-Jun-88	18 A	848.8
03U075	884.6	27-Jul-88	19 A	847.6
03U075	884.6	30-Aug-88	19 F	847.6
03U075	884.6	01-Sep-88	19 A	847.6
03U075	884.6	21-Sep-88	19 A	847.4
03U075	884.6	14-Oct-88	20 A	847.9
03U075	884.6	22-Nov-88	20 F	848.4
03U075	884.6	02-Dec-88	20 A	848.7
03U075	884.6	13-Jan-89	21 A	848.7
03U075	884.6	31-Mar-89	21 A	847.2
03U075	884.6	05-Aug-89	23 F	844.9
03U075	884.6	05-Oct-89	24 A	844.5
03U075	884.6	03-Nov-89	24 F	844.8
03U075	884.6	21-Dec-89	24 A	844.6
03U075	884.6	11-Jan-90	25 A	844.9
03U075	884.6	16-May-90	26 A	844.7
03U075	884.6	28-Feb-91	30 A	845.5
03U075	884.6	27-Sep-91	32 A	845.1
03U075	884.6	24-Mar-92	34 A	847.0
03U075	884.6	08-Oct-92	37 A	840.7
03U075	884.6	02-Mar-93	38 A	847.9
03U075	884.6	10-Sep-93	40 A	849.4
03U075	884.6	01-Mar-94	42 A	850.9
03U075	884.6	02-Sep-94	44 A	849.3
03U076	888.7	17-Nov-87	16 A	851.1
03U076	888.7	14-Dec-87	16 A	851.0
03U076	888.7	15-Dec-87	16 F	850.9
03U076	888.7	11-Jan-88	17 A	851.2
03U076	888.7	27-Jan-88	17 F	850.7
03U076	888.7	14-Apr-88	18 F	851.2
03U076	888.7	02-May-88	18 A	850.8
03U076	888.7	20-May-88	18 A	850.2
03U076	888.7	23-Jun-88	18 A	847.6
03U076	888.7	27-Jul-88	19 A	846.5
03U076	888.7	30-Aug-88	19 F	846.3
03U076	888.7	01-Sep-88	19 A	846.4
03U076	888.7	21-Sep-88	19 A	846.2
03U076	888.7	14-Oct-88	20 A	846.8
03U076	888.7	22-Nov-88	20 F	847.5
03U076	888.7	02-Dec-88	20 A	847.7
03U076	888.7	13-Jan-89	21 A	847.7
03U076	888.7	31-Mar-89	21 A	845.8
03U076	888.7	05-Aug-89	23 F	843.3
03U076	888.7	05-Oct-89	24 A	843.1
03U076	888.7	06-Nov-89	24 F	843.2
03U076	888.7	21-Dec-89	24 A	843.3

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U076	888.7	11-Jan-90	25 A	843.6
03U076	888.7	16-May-90	26 A	843.4
03U076	888.7	28-Feb-91	30 A	844.1
03U076	888.7	27-Sep-91	32 A	843.6
03U076	888.7	24-Mar-92	34 A	845.4
03U076	888.7	08-Oct-92	37 A	845.1
03U076	888.7	02-Mar-93	38 A	846.2
03U076	888.7	10-Sep-93	40 A	847.7
03U076	888.7	01-Mar-94	42 A	849.3
03U076	888.7	02-Sep-94	44 A	847.6
03U077	912.5	17-Nov-87	16 A	850.3
03U077	912.5	24-Nov-87	16 A	850.0
03U077	912.5	30-Nov-87	16 A	850.3
03U077	912.5	14-Dec-87	16 A	850.0
03U077	912.5	14-Dec-87	16 F	847.0
03U077	912.5	11-Jan-88	17 A	850.2
03U077	912.5	27-Jan-88	17 F	850.1
03U077	912.5	13-Apr-88	18 F	852.0
03U077	912.5	02-May-88	18 A	850.4
03U077	912.5	20-May-88	18 A	849.8
03U077	912.5	23-Jun-88	18 A	848.4
03U077	912.5	27-Jul-88	19 A	847.8
03U077	912.5	30-Aug-88	19 F	846.4
03U077	912.5	01-Sep-88	19 A	846.7
03U077	912.5	21-Sep-88	19 A	846.5
03U077	912.5	14-Oct-88	20 A	846.5
03U077	912.5	22-Nov-88	20 F	847.6
03U077	912.5	02-Dec-88	20 A	847.9
03U077	912.5	13-Jan-89	21 A	847.8
03U077	912.5	31-Mar-89	21 A	842.8
03U077	912.5	05-Aug-89	23 F	842.5
03U077	912.5	05-Oct-89	24 A	842.2
03U077	912.5	02-Nov-89	24 F	842.0
03U077	912.5	21-Dec-89	24 A	842.3
03U077	912.5	11-Jan-90	25 A	841.6
03U077	912.5	16-May-90	26 A	841.7
03U077	912.5	28-Feb-91	30 A	842.2
03U077	912.5	27-Sep-91	32 A	841.6
03U077	912.5	24-Mar-92	34 A	843.6
03U077	912.5	08-Oct-92	37 A	843.5
03U077	912.5	02-Mar-93	38 A	844.4
03U077	912.5	10-Sep-93	40 A	845.7
03U077	912.5	01-Mar-94	42 A	847.5
03U077	912.5	02-Sep-94	44 A	846.0
03U078	927.2	17-Nov-87	16 A	850.4
03U078	927.2	24-Nov-87	16 A	849.9
03U078	927.2	30-Nov-87	16 A	850.1
03U078	927.2	14-Dec-87	16 A	850.0
03U078	927.2	14-Dec-87	16 F	850.1
03U078	927.2	11-Jan-88	17 A	850.6
03U078	927.2	27-Jan-88	17 F	850.6
03U078	927.2	13-Apr-88	18 F	854.2
03U078	927.2	02-May-88	18 A	851.5
03U078	927.2	20-May-88	18 A	850.5
03U078	927.2	23-Jun-88	18 A	850.7
03U078	927.2	27-Jul-88	19 A	848.4
03U078	927.2	30-Aug-88	19 F	848.2
03U078	927.2	01-Sep-88	19 A	847.7
03U078	927.2	21-Sep-88	19 A	847.1
03U078	927.2	14-Oct-88	20 A	846.7
03U078	927.2	22-Nov-88	20 F	849.1
03U078	927.2	02-Dec-88	20 A	849.5
03U078	927.2	13-Jan-89	21 A	848.2
03U078	927.2	31-Mar-89	21 A	844.7
03U078	927.2	05-Aug-89	23 F	843.6
03U078	927.2	05-Oct-89	24 A	843.2
03U078	927.2	02-Nov-89	24 F	842.7
03U078	927.2	21-Dec-89	24 A	842.5
03U078	927.2	11-Jan-90	25 A	842.1
03U078	927.2	16-May-90	26 A	841.5
03U078	927.2	28-Feb-91	30 A	842.0
03U078	927.2	27-Sep-91	32 A	840.9
03U078	927.2	24-Mar-92	34 A	842.6
03U078	927.2	08-Oct-92	37 A	843.1
03U078	927.2	02-Mar-93	38 A	844.1
03U078	927.2	10-Sep-93	40 A	845.5
03U078	927.2	01-Mar-94	42 A	847.6
03U078	927.2	02-Sep-94	44 A	846.7
03U079	923.4	17-Nov-87	16 A	849.7
03U079	923.4	24-Nov-87	16 A	849.8
03U079	923.4	30-Nov-87	16 A	849.7
03U079	923.4	14-Dec-87	16 A	849.5
03U079	923.4	14-Dec-87	16 F	849.4
03U079	923.4	11-Jan-88	17 A	850.0
03U079	923.4	27-Jan-88	17 F	849.7
03U079	923.4	14-Apr-88	18 F	853.7
03U079	923.4	02-May-88	18 A	850.5
03U079	923.4	20-May-88	18 A	849.8
03U079	923.4	23-Jun-88	18 A	849.8
03U079	923.4	27-Jul-88	19 A	847.6
03U079	923.4	30-Aug-88	19 F	847.2
03U079	923.4	01-Sep-88	19 A	847.1
03U079	923.4	21-Sep-88	19 A	847.3
03U079	923.4	14-Oct-88	20 A	845.9
03U079	923.4	22-Nov-88	20 F	848.7
03U079	923.4	02-Dec-88	20 A	849.2
03U079	923.4	13-Jan-89	21 A	847.0
03U079	923.4	31-Mar-89	21 A	843.6
03U079	923.4	05-Aug-89	23 F	842.3
03U079	923.4	05-Oct-89	24 A	841.9
03U079	923.4	02-Nov-89	24 F	844.4
03U079	923.4	21-Dec-89	24 A	842.6
03U079	923.4	11-Jan-90	25 A	840.9
03U079	923.4	16-May-90	26 A	840.8
03U079	923.4	28-Feb-91	30 A	841.1
03U079	923.4	27-Sep-91	32 A	840.3
03U079	923.4	24-Mar-92	34 A	842.1
03U079	923.4	08-Oct-92	37 A	843.0
03U079	923.4	02-Mar-93	38 A	843.7
03U079	923.4	10-Sep-93	40 A	845.2
03U079	923.4	01-Mar-94	42 A	847.0
03U079	923.4	02-Sep-94	44 A	845.8
03U082	898.4	24-Nov-87	16 A	862.1
03U082	898.4	30-Nov-87	16 A	862.3
03U082	898.4	14-Dec-87	16 A	862.5
03U082	898.4	14-Dec-87	16 F	863.6
03U082	898.4	11-Jan-88	17 A	862.7
03U082	898.4	27-Jan-88	17 F	862.9
03U082	898.4	13-Apr-88	18 F	862.4
03U082	898.4	02-May-88	18 A	862.0
03U082	898.4	20-May-88	18 A	861.7
03U082	898.4	23-Jun-88	18 A	857.8
03U082	898.4	27-Jul-88	19 A	856.2
03U082	898.4	30-Aug-88	19 F	857.0
03U082	898.4	01-Sep-88	19 A	856.8
03U082	898.4	21-Sep-88	19 A	857.0
03U082	898.4	14-Oct-88	20 A	857.5
03U082	898.4	22-Nov-88	20 F	858.0
03U082	898.4	02-Dec-88	20 A	857.9
03U082	898.4	13-Jan-89	21 A	858.1
03U082	898.4	31-Mar-89	21 A	859.8
03U082	898.4	05-Aug-89	23 F	856.4
03U082	898.4	05-Oct-89	24 A	856.5
03U082	898.4	02-Nov-89	24 F	856.8
03U082	898.4	21-Dec-89	24 A	857.1
03U082	898.4	11-Jan-90	25 A	857.2
03U082	898.4	25-Apr-90	26 F	857.1
03U082	898.4	16-May-90	26 A	856.9
03U082	898.4	28-Feb-91	30 A	858.2
03U082	898.4	26-Mar-91	30 F	858.3
03U082	898.4	27-Sep-91	32 A	858.3
03U082	898.4	10-Mar-92	34 F	863.7
03U082	898.4	24-Mar-92	34 A	860.2
03U082	898.4	08-Oct-92	37 A	859.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U082	898.4	01-Mar-93	38 F	860.9
03U082	898.4	02-Mar-93	38 A	860.9
03U082	898.4	10-Sep-93	40 A	862.5
03U082	898.4	01-Mar-94	42 A	863.7
03U082	898.4	09-Mar-94	42 F	863.9
03U082	898.4	02-Sep-94	44 A	862.1
03U083	891.3	24-Nov-87	16 A	855.9
03U083	891.3	30-Nov-87	16 A	856.1
03U083	891.3	14-Dec-87	16 A	856.2
03U083	891.3	14-Dec-87	16 F	857.1
03U083	891.3	11-Jan-88	17 A	856.2
03U083	891.3	26-Jan-88	17 F	857.3
03U083	891.3	13-Apr-88	18 F	857.2
03U083	891.3	02-May-88	18 A	856.0
03U083	891.3	20-May-88	18 A	855.7
03U083	891.3	23-Jun-88	18 A	853.2
03U083	891.3	27-Jul-88	19 A	851.7
03U083	891.3	30-Aug-88	19 F	852.5
03U083	891.3	01-Sep-88	19 A	851.4
03U083	891.3	21-Sep-88	19 A	851.3
03U083	891.3	14-Oct-88	20 A	851.5
03U083	891.3	22-Nov-88	20 F	852.8
03U083	891.3	02-Dec-88	20 A	851.7
03U083	891.3	13-Jan-89	21 A	852.3
03U083	891.3	31-Mar-89	21 A	851.9
03U083	891.3	05-Aug-89	23 F	850.4
03U083	891.3	05-Oct-89	24 A	849.2
03U083	891.3	02-Nov-89	24 F	850.2
03U083	891.3	21-Dec-89	24 A	849.3
03U083	891.3	11-Jan-90	25 A	849.4
03U083	891.3	27-Apr-90	26 F	850.4
03U083	891.3	16-May-90	26 A	849.2
03U083	891.3	28-Feb-91	30 A	850.1
03U083	891.3	26-Mar-91	30 F	851.1
03U083	891.3	27-Sep-91	32 A	850.0
03U083	891.3	13-Mar-92	34 F	853.0
03U083	891.3	24-Mar-92	34 A	851.9
03U083	891.3	08-Oct-92	37 A	853.1
03U083	891.3	02-Mar-93	38 A	854.1
03U083	891.3	05-Mar-93	38 F	859.1
03U083	891.3	10-Sep-93	40 A	855.5
03U083	891.3	01-Mar-94	42 A	857.1
03U083	891.3	16-Mar-94	42 F	857.0
03U083	891.3	02-Sep-94	44 A	855.8
03U084	898.4	17-Nov-87	16 A	851.1
03U084	898.4	24-Nov-87	16 A	850.7
03U084	898.4	30-Nov-87	16 A	851.0
03U084	898.4	14-Dec-87	16 A	850.8
03U084	898.4	14-Dec-87	16 F	850.1
03U084	898.4	11-Jan-88	17 A	850.8
03U084	898.4	27-Jan-88	17 F	850.2
03U084	898.4	13-Apr-88	18 F	851.6
03U084	898.4	02-May-88	18 A	851.1
03U084	898.4	20-May-88	18 A	850.6
03U084	898.4	23-Jun-88	18 A	848.8
03U084	898.4	27-Jul-88	19 A	847.6
03U084	898.4	30-Aug-88	19 F	846.4
03U084	898.4	01-Sep-88	19 A	847.0
03U084	898.4	21-Sep-88	19 A	846.9
03U084	898.4	14-Oct-88	20 A	847.1
03U084	898.4	22-Nov-88	20 F	847.4
03U084	898.4	02-Dec-88	20 A	848.2
03U084	898.4	13-Jan-89	21 A	848.2
03U084	898.4	31-Mar-89	21 A	844.8
03U084	898.4	05-Aug-89	23 F	842.1
03U084	898.4	05-Oct-89	24 A	842.8
03U084	898.4	02-Nov-89	24 F	842.0
03U084	898.4	21-Dec-89	24 A	842.3
03U084	898.4	11-Jan-90	25 A	842.3
03U084	898.4	16-May-90	26 A	842.4
03U084	898.4	28-Feb-91	30 A	843.1
03U084	898.4	27-Sep-91	32 A	842.5
03U084	898.4	24-Mar-92	34 A	844.4
03U084	898.4	08-Oct-92	37 A	843.8
03U084	898.4	02-Mar-93	38 A	844.8
03U084	898.4	10-Sep-93	40 A	846.1
03U084	898.4	01-Mar-94	42 A	847.8
03U084	898.4	02-Sep-94	44 A	846.4
03U087	1004.1	24-Nov-87	16 A	857.9
03U087	1004.1	30-Nov-87	16 A	858.0
03U087	1004.1	14-Dec-87	16 A	858.2
03U087	1004.1	14-Dec-87	16 F	858.1
03U087	1004.1	11-Jan-88	17 A	858.4
03U087	1004.1	26-Jan-88	17 F	858.3
03U087	1004.1	13-Apr-88	18 F	858.1
03U087	1004.1	02-May-88	18 A	858.2
03U087	1004.1	20-May-88	18 A	857.9
03U087	1004.1	23-Jun-88	18 A	856.0
03U087	1004.1	27-Jul-88	19 A	854.4
03U087	1004.1	30-Aug-88	19 F	853.7
03U087	1004.1	21-Sep-88	19 A	853.6
03U087	1004.1	14-Oct-88	20 A	853.5
03U087	1004.1	22-Nov-88	20 F	853.5
03U087	1004.1	02-Dec-88	20 A	853.7
03U087	1004.1	13-Jan-89	21 A	853.9
03U087	1004.1	31-Mar-89	21 A	854.2
03U087	1004.1	05-Aug-89	23 F	852.1
03U087	1004.1	05-Oct-89	24 A	851.6
03U087	1004.1	02-Nov-89	24 F	851.4
03U087	1004.1	21-Dec-89	24 A	851.7
03U087	1004.1	11-Jan-90	25 A	851.6
03U087	1004.1	30-Apr-90	26 F	851.4
03U087	1004.1	16-May-90	26 A	851.4
03U087	1004.1	28-Feb-91	30 A	852.3
03U087	1004.1	27-Mar-91	30 F	852.2
03U087	1004.1	27-Sep-91	32 A	852.2
03U087	1004.1	12-Mar-92	34 F	853.9
03U087	1004.1	24-Mar-92	34 A	881.2
03U087	1004.1	08-Oct-92	37 A	854.2
03U087	1004.1	02-Mar-93	38 A	875.2
03U087	1004.1	04-Mar-93	38 F	855.2
03U087	1004.1	10-Sep-93	40 A	856.5
03U087	1004.1	01-Mar-94	42 A	858.2
03U087	1004.1	15-Mar-94	42 F	858.2
03U087	1004.1	02-Sep-94	44 A	857.1
03U088	983.7	14-Dec-87	16 A	858.6
03U088	983.7	14-Dec-87	16 F	858.5
03U088	983.7	11-Jan-88	17 A	858.7
03U088	983.7	26-Jan-88	17 F	858.7
03U088	983.7	13-Apr-88	18 F	858.3
03U088	983.7	02-May-88	18 A	858.6
03U088	983.7	20-May-88	18 A	858.3
03U088	983.7	23-Jun-88	18 A	856.2
03U088	983.7	27-Jul-88	19 A	854.6
03U088	983.7	30-Aug-88	19 F	853.9
03U088	983.7	01-Sep-88	19 A	854.0
03U088	983.7	21-Sep-88	19 A	853.9
03U088	983.7	14-Oct-88	20 A	853.9
03U088	983.7	22-Nov-88	20 F	853.8
03U088	983.7	02-Dec-88	20 A	854.0
03U088	983.7	13-Jan-89	21 A	854.2
03U088	983.7	31-Mar-89	21 A	854.8
03U088	983.7	06-Aug-89	23 F	852.5
03U088	983.7	05-Oct-89	24 A	852.0
03U088	983.7	02-Nov-89	24 F	851.9
03U088	983.7	21-Dec-89	24 A	852.2
03U088	983.7	11-Jan-90	25 A	852.1
03U088	983.7	30-Apr-90	26 F	852.0
03U088	983.7	16-May-90	26 A	851.9
03U088	983.7	28-Feb-91	30 A	852.9
03U088	983.7	26-Mar-91	30 F	852.8
03U088	983.7	27-Sep-91	32 A	852.8
03U088	983.7	13-Mar-92	34 F	854.8
03U088	983.7	24-Mar-92	34 A	854.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U088	983.7	08-Oct-92	37 A	854.7
03U088	983.7	02-Mar-93	38 A	855.7
03U088	983.7	02-Mar-93	38 F	855.7
03U088	983.7	10-Sep-93	40 A	857.1
03U088	983.7	01-Mar-94	42 A	858.7
03U088	983.7	14-Mar-94	42 F	858.8
03U088	983.7	02-Sep-94	44 A	857.5
03U089	973.0	24-Nov-87	16 A	858.6
03U089	973.0	30-Nov-87	16 A	858.8
03U089	973.0	14-Dec-87	16 A	859.0
03U089	973.0	14-Dec-87	16 F	858.8
03U089	973.0	11-Jan-88	17 A	859.6
03U089	973.0	26-Jan-88	17 F	859.0
03U089	973.0	13-Apr-88	18 F	858.7
03U089	973.0	02-May-88	18 A	858.9
03U089	973.0	20-May-88	18 A	858.6
03U089	973.0	23-Jun-88	18 A	856.6
03U089	973.0	27-Jul-88	19 A	855.0
03U089	973.0	30-Aug-88	19 F	854.3
03U089	973.0	01-Sep-88	19 A	854.4
03U089	973.0	21-Sep-88	19 A	854.3
03U089	973.0	14-Oct-88	20 A	854.3
03U089	973.0	22-Nov-88	20 F	854.1
03U089	973.0	02-Dec-88	20 A	854.4
03U089	973.0	13-Jan-89	21 A	854.6
03U089	973.0	31-Mar-89	21 A	855.1
03U089	973.0	06-Aug-89	23 F	852.7
03U089	973.0	05-Oct-89	24 A	852.4
03U089	973.0	02-Nov-89	24 F	852.2
03U089	973.0	21-Dec-89	24 A	852.5
03U089	973.0	11-Jan-90	25 A	852.4
03U089	973.0	30-Apr-90	26 F	852.3
03U089	973.0	16-May-90	26 A	852.3
03U089	973.0	28-Feb-91	30 A	853.2
03U089	973.0	26-Mar-91	30 F	853.1
03U089	973.0	27-Sep-91	32 A	853.1
03U089	973.0	13-Mar-92	34 F	855.1
03U089	973.0	24-Mar-92	34 A	855.1
03U089	973.0	08-Oct-92	37 A	854.6
03U089	973.0	02-Mar-93	38 A	855.6
03U089	973.0	03-Mar-93	38 F	855.6
03U089	973.0	10-Sep-93	40 A	857.0
03U089	973.0	01-Mar-94	42 A	858.6
03U089	973.0	14-Mar-94	42 F	859.1
03U089	973.0	02-Sep-94	44 A	857.5
03U090	982.2	14-Dec-87	16 A	858.3
03U090	982.2	14-Dec-87	16 F	857.5
03U090	982.2	11-Jan-88	17 A	858.4
03U090	982.2	26-Jan-88	17 F	857.1
03U090	982.2	14-Apr-88	18 F	857.7
03U090	982.2	02-May-88	18 A	858.4
03U090	982.2	20-May-88	18 A	858.1
03U090	982.2	27-Jul-88	19 A	855.2
03U090	982.2	30-Aug-88	19 F	853.5
03U090	982.2	01-Sep-88	19 A	854.2
03U090	982.2	21-Sep-88	19 A	854.0
03U090	982.2	14-Oct-88	20 A	853.9
03U090	982.2	22-Nov-88	20 F	853.1
03U090	982.2	02-Dec-88	20 A	854.0
03U090	982.2	13-Jan-89	21 A	854.2
03U090	982.2	31-Mar-89	21 A	853.9
03U090	982.2	06-Aug-89	23 F	851.5
03U090	982.2	05-Oct-89	24 A	851.5
03U090	982.2	02-Nov-89	24 F	850.6
03U090	982.2	21-Dec-89	24 A	851.4
03U090	982.2	11-Jan-90	25 A	851.3
03U090	982.2	01-May-90	26 F	850.1
03U090	982.2	16-May-90	26 A	851.1
03U090	982.2	19-Jul-90	27 F	850.4
03U090	982.2	28-Feb-91	30 A	851.9
03U090	982.2	26-Mar-91	30 F	851.1
03U090	982.2	27-Sep-91	32 A	851.7
03U090	982.2	11-Mar-92	34 F	853.0
03U090	982.2	24-Mar-92	34 A	853.8
03U090	982.2	08-Oct-92	37 A	853.1
03U090	982.2	02-Mar-93	38 A	854.0
03U090	982.2	04-Mar-93	38 F	854.5
03U090	982.2	10-Sep-93	40 A	855.3
03U090	982.2	01-Mar-94	42 A	857.0
03U090	982.2	16-Mar-94	42 F	857.1
03U090	982.2	02-Sep-94	44 A	856.0
03U092	960.4	14-Dec-87	16 A	840.4
03U092	960.4	14-Dec-87	16 F	856.8
03U092	960.4	27-Jan-88	17 F	856.9
03U092	960.4	14-Apr-88	18 F	857.3
03U092	960.4	02-May-88	18 A	840.6
03U092	960.4	20-May-88	18 A	840.3
03U092	960.4	23-Jun-88	18 A	839.4
03U092	960.4	27-Jul-88	19 A	837.7
03U092	960.4	30-Aug-88	19 F	853.1
03U092	960.4	01-Sep-88	19 A	836.6
03U092	960.4	21-Sep-88	19 A	836.3
03U092	960.4	14-Oct-88	20 A	836.0
03U092	960.4	22-Nov-88	20 F	852.6
03U092	960.4	02-Dec-88	20 A	836.3
03U092	960.4	13-Jan-89	21 A	836.5
03U092	960.4	31-Mar-89	21 A	835.7
03U092	960.4	06-Aug-89	23 F	850.6
03U092	960.4	05-Oct-89	24 A	833.4
03U092	960.4	04-Nov-89	24 F	849.6
03U092	960.4	21-Dec-89	24 A	832.9
03U092	960.4	11-Jan-90	25 A	832.9
03U092	960.4	01-May-90	26 F	849.4
03U092	960.4	16-May-90	26 A	832.8
03U092	960.4	28-Feb-91	30 A	833.5
03U092	960.4	24-Mar-91	30 F	849.8
03U092	960.4	04-Jun-91	31 F	849.8
03U092	960.4	04-Sep-91	32 F	849.6
03U092	960.4	27-Sep-91	32 A	833.2
03U092	960.4	17-Mar-92	34 F	851.7
03U092	960.4	24-Mar-92	34 A	835.2
03U092	960.4	02-Jun-92	35 F	852.4
03U092	960.4	02-Sep-92	36 F	851.8
03U092	960.4	08-Oct-92	37 A	852.0
03U092	960.4	02-Mar-93	38 A	852.9
03U092	960.4	10-Mar-93	38 F	852.4
03U092	960.4	08-Sep-93	40 F	854.2
03U092	960.4	10-Sep-93	40 A	854.1
03U092	960.4	01-Mar-94	42 A	855.9
03U092	960.4	16-Mar-94	42 F	855.9
03U092	960.4	02-Sep-94	44 A	855.0
03U092	960.4	08-Sep-94	44 F	854.9
03U093	993.6	24-Nov-87	16 A	856.8
03U093	993.6	30-Nov-87	16 A	856.9
03U093	993.6	14-Dec-87	16 A	856.9
03U093	993.6	11-Jan-88	17 A	857.1
03U093	993.6	27-Jan-88	17 F	857.0
03U093	993.6	14-Apr-88	18 F	857.2
03U093	993.6	02-May-88	18 A	857.2
03U093	993.6	20-May-88	18 A	856.8
03U093	993.6	23-Jun-88	18 A	855.6
03U093	993.6	27-Jul-88	19 A	853.3
03U093	993.6	30-Aug-88	19 F	853.0
03U093	993.6	01-Sep-88	19 A	853.0
03U093	993.6	21-Sep-88	19 A	852.8
03U093	993.6	14-Oct-88	20 A	852.6
03U093	993.6	22-Nov-88	20 F	852.7
03U093	993.6	02-Dec-88	20 A	852.9
03U093	993.6	13-Jan-89	21 A	853.1
03U093	993.6	31-Mar-89	21 A	852.3
03U093	993.6	05-Aug-89	23 F	850.6
03U093	993.6	05-Oct-89	24 A	849.6
03U093	993.6	04-Nov-89	24 F	849.7
03U093	993.6	21-Dec-89	24 A	849.6

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U093	993.6	11-Jan-90	25 A	849.6
03U093	993.6	16-May-90	26 A	849.5
03U093	993.6	16-Jul-90	27 A	849.5
03U093	993.6	28-Feb-91	30 A	850.3
03U093	993.6	03-Jun-91	31 A	850.3
03U093	993.6	03-Sep-91	32 A	849.8
03U093	993.6	27-Sep-91	32 A	850.0
03U093	993.6	06-Dec-91	33 A	851.1
03U093	993.6	24-Mar-92	34 A	852.0
03U093	993.6	01-Jun-92	35 A	852.6
03U093	993.6	01-Sep-92	36 A	851.9
03U093	993.6	08-Oct-92	37 A	852.0
03U093	993.6	02-Mar-93	38 A	852.9
03U093	993.6	10-Sep-93	40 A	854.2
03U093	993.6	01-Mar-94	42 A	856.0
03U093	993.6	02-Sep-94	44 A	855.0
03U094	997.0	14-Dec-87	16 A	857.0
03U094	997.0	15-Dec-87	16 F	857.0
03U094	997.0	11-Jan-88	17 A	857.0
03U094	997.0	26-Jan-88	17 F	857.0
03U094	997.0	14-Apr-88	18 F	857.3
03U094	997.0	02-May-88	18 A	857.2
03U094	997.0	20-May-88	18 A	856.9
03U094	997.0	23-Jun-88	18 A	855.9
03U094	997.0	27-Jul-88	19 A	854.4
03U094	997.0	30-Aug-88	19 F	853.2
03U094	997.0	01-Sep-88	19 A	853.2
03U094	997.0	21-Sep-88	19 A	852.9
03U094	997.0	14-Oct-88	20 A	852.6
03U094	997.0	22-Nov-88	20 F	852.7
03U094	997.0	02-Dec-88	20 A	852.8
03U094	997.0	13-Jan-89	21 A	852.9
03U094	997.0	31-Mar-89	21 A	852.3
03U094	997.0	05-Aug-89	23 F	850.9
03U094	997.0	05-Oct-89	24 A	850.1
03U094	997.0	02-Nov-89	24 F	850.0
03U094	997.0	21-Dec-89	24 A	849.7
03U094	997.0	11-Jan-90	25 A	849.6
03U094	997.0	16-May-90	26 A	849.4
03U094	997.0	28-Feb-91	30 A	850.1
03U094	997.0	27-Sep-91	32 A	849.8
03U094	997.0	24-Mar-92	34 A	852.0
03U094	997.0	01-Jun-92	35 A	852.3
03U094	997.0	08-Oct-92	37 A	852.3
03U094	997.0	02-Mar-93	38 A	853.0
03U094	997.0	10-Sep-93	40 A	854.3
03U094	997.0	01-Mar-94	42 A	856.0
03U094	997.0	02-Sep-94	44 A	855.2
03U096	994.4	24-Nov-87	16 A	856.4
03U096	994.4	30-Nov-87	16 A	856.5
03U096	994.4	14-Dec-87	16 A	856.6
03U096	994.4	11-Jan-88	17 A	856.8
03U096	994.4	27-Jan-88	17 F	856.7
03U096	994.4	14-Apr-88	18 F	856.9
03U096	994.4	02-May-88	18 A	856.1
03U096	994.4	20-May-88	18 A	856.4
03U096	994.4	23-Jun-88	18 A	854.9
03U096	994.4	27-Jul-88	19 A	853.4
03U096	994.4	30-Aug-88	19 F	852.5
03U096	994.4	01-Sep-88	19 A	852.5
03U096	994.4	21-Sep-88	19 A	852.4
03U096	994.4	14-Oct-88	20 A	852.2
03U096	994.4	22-Nov-88	20 F	852.4
03U096	994.4	02-Dec-88	20 A	852.5
03U096	994.4	13-Jan-89	21 A	852.8
03U096	994.4	31-Mar-89	21 A	852.1
03U096	994.4	05-Aug-89	23 F	848.2
03U096	994.4	05-Oct-89	24 A	849.8
03U096	994.4	04-Nov-89	24 F	849.6
03U096	994.4	21-Dec-89	24 A	849.4
03U096	994.4	11-Jan-90	25 A	849.4
03U096	994.4	16-May-90	26 A	849.3
03U096	994.4	28-Feb-91	30 A	850.1
03U096	994.4	27-Sep-91	32 A	849.8
03U096	994.4	24-Mar-92	34 A	851.8
03U096	994.4	08-Oct-92	37 A	852.1
03U096	994.4	02-Mar-93	38 A	853.0
03U096	994.4	10-Sep-93	40 A	854.3
03U096	994.4	01-Mar-94	42 A	856.1
03U096	994.4	02-Sep-94	44 A	854.9
03U097	937.4	14-Dec-87	16 F	862.0
03U097	937.4	27-Jan-88	17 F	862.3
03U097	937.4	13-Apr-88	18 F	861.7
03U097	937.4	30-Aug-88	19 F	856.8
03U097	937.4	22-Nov-88	20 F	857.4
03U097	937.4	05-Aug-89	23 F	856.8
03U097	937.4	02-Nov-89	24 F	856.8
03U097	937.4	27-Apr-90	26 F	857.2
03U097	937.4	26-Mar-91	30 F	858.3
03U097	937.4	13-Mar-92	34 F	860.6
03U097	937.4	03-Mar-93	38 F	860.9
03U097	937.4	14-Mar-94	42 F	864.1
03U099	952.3	14-Dec-87	16 F	858.0
03U099	952.3	26-Jan-88	17 F	858.1
03U099	952.3	13-Apr-88	18 F	858.7
03U099	952.3	30-Aug-88	19 F	854.8
03U099	952.3	22-Nov-88	20 F	854.0
03U099	952.3	05-Aug-89	23 F	852.6
03U099	952.3	02-Nov-89	24 F	851.3
03U099	952.3	26-Apr-90	26 F	851.1
03U099	952.3	25-Mar-91	30 F	851.2
03U099	952.3	11-Mar-92	34 F	853.2
03U099	952.3	03-Mar-93	38 F	854.0
03U099	952.3	14-Mar-94	42 F	857.8
03U111	924.7	24-Nov-87	16 A	862.9
03U111	924.7	30-Nov-87	16 A	863.1
03U111	924.7	14-Dec-87	16 A	863.4
03U111	924.7	14-Dec-87	16 F	862.0
03U111	924.7	11-Jan-88	17 A	863.6
03U111	924.7	27-Jan-88	17 F	862.2
03U111	924.7	13-Apr-88	18 F	861.8
03U111	924.7	02-May-88	18 A	863.1
03U111	924.7	20-May-88	18 A	862.9
03U111	924.7	23-Jun-88	18 A	860.3
03U111	924.7	27-Jul-88	19 A	858.2
03U111	924.7	30-Aug-88	19 F	856.8
03U111	924.7	01-Sep-88	19 A	858.1
03U111	924.7	21-Sep-88	19 A	858.3
03U111	924.7	14-Oct-88	20 A	858.5
03U111	924.7	22-Nov-88	20 F	857.4
03U111	924.7	02-Dec-88	20 A	858.8
03U111	924.7	13-Jan-89	21 A	859.1
03U111	924.7	31-Mar-89	21 A	861.0
03U111	924.7	06-Aug-89	23 F	856.7
03U111	924.7	05-Oct-89	24 A	858.0
03U111	924.7	02-Nov-89	24 F	856.7
03U111	924.7	21-Dec-89	24 A	858.2
03U111	924.7	11-Jan-90	25 A	858.4
03U111	924.7	03-May-90	26 F	856.5
03U111	924.7	16-May-90	26 A	858.3
03U111	924.7	28-Feb-91	30 A	859.7
03U111	924.7	01-Apr-91	30 F	858.2
03U111	924.7	27-Sep-91	32 A	859.6
03U111	924.7	13-Mar-92	34 F	860.5
03U111	924.7	24-Mar-92	34 A	861.8
03U111	924.7	08-Oct-92	37 A	859.8
03U111	924.7	02-Mar-93	38 A	861.0
03U111	924.7	02-Mar-93	38 F	861.0
03U111	924.7	10-Sep-93	40 A	862.5
03U111	924.7	01-Mar-94	42 A	863.9
03U111	924.7	11-Mar-94	42 F	864.0
03U111	924.7	02-Sep-94	44 A	862.4

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U112	978.1	24-Nov-87	16 A	857.5
03U112	978.1	30-Nov-87	16 A	857.5
03U112	978.1	14-Dec-87	16 A	857.7
03U112	978.1	14-Dec-87	16 F	857.8
03U112	978.1	11-Jan-88	17 A	857.8
03U112	978.1	26-Jan-88	17 F	857.9
03U112	978.1	14-Apr-88	18 F	858.1
03U112	978.1	02-May-88	18 A	857.8
03U112	978.1	20-May-88	18 A	857.5
03U112	978.1	23-Jun-88	18 A	856.4
03U112	978.1	27-Jul-88	19 A	854.7
03U112	978.1	30-Aug-88	19 F	853.9
03U112	978.1	21-Sep-88	19 A	853.5
03U112	978.1	14-Oct-88	20 A	853.3
03U112	978.1	22-Nov-88	20 F	851.4
03U112	978.1	02-Dec-88	20 A	853.4
03U112	978.1	13-Jan-89	21 A	853.6
03U112	978.1	31-Mar-89	21 A	853.4
03U112	978.1	06-Aug-89	23 F	852.0
03U112	978.1	05-Oct-89	24 A	851.0
03U112	978.1	02-Nov-89	24 F	850.9
03U112	978.1	21-Dec-89	24 A	850.8
03U112	978.1	11-Jan-90	25 A	850.7
03U112	978.1	01-May-90	26 F	850.8
03U112	978.1	16-May-90	26 A	850.6
03U112	978.1	18-Jul-90	27 F	850.7
03U112	978.1	20-Sep-90	28 F	850.6
03U112	978.1	28-Feb-91	30 A	851.3
03U112	978.1	28-Mar-91	30 F	851.3
03U112	978.1	27-Sep-91	32 A	851.1
03U112	978.1	12-Mar-92	34 F	853.3
03U112	978.1	24-Mar-92	34 A	853.1
03U112	978.1	08-Oct-92	37 A	853.5
03U112	978.1	02-Mar-93	38 A	854.4
03U112	978.1	08-Mar-93	38 F	854.3
03U112	978.1	10-Sep-93	40 A	855.7
03U112	978.1	01-Mar-94	42 A	857.4
03U112	978.1	16-Mar-94	42 F	857.4
03U112	978.1	02-Sep-94	44 A	856.5
03U112	978.1	12-Sep-94	44 F	856.4
03U113	974.2	14-Dec-87	16 A	861.2
03U113	974.2	14-Dec-87	16 F	858.2
03U113	974.2	27-Jan-88	17 F	858.4
03U113	974.2	14-Apr-88	18 F	858.6
03U113	974.2	02-May-88	18 A	861.3
03U113	974.2	20-May-88	18 A	861.0
03U113	974.2	27-Jul-88	19 A	857.9
03U113	974.2	30-Aug-88	19 F	854.4
03U113	974.2	01-Sep-88	19 A	857.0
03U113	974.2	21-Sep-88	19 A	856.8
03U113	974.2	14-Oct-88	20 A	856.7
03U113	974.2	22-Nov-88	20 F	854.0
03U113	974.2	02-Dec-88	20 A	856.8
03U113	974.2	13-Jan-89	21 A	857.0
03U113	974.2	31-Mar-89	21 A	857.0
03U113	974.2	05-Aug-89	23 F	852.5
03U113	974.2	05-Oct-89	24 A	854.5
03U113	974.2	02-Nov-89	24 F	851.7
03U113	974.2	21-Dec-89	24 A	854.4
03U113	974.2	11-Jan-90	25 A	854.3
03U113	974.2	27-Apr-90	26 F	851.7
03U113	974.2	16-May-90	26 A	854.2
03U113	974.2	18-Jul-90	27 F	851.7
03U113	974.2	28-Feb-91	30 A	855.0
03U113	974.2	28-Mar-91	30 F	852.2
03U113	974.2	27-Sep-91	32 A	854.8
03U113	974.2	12-Mar-92	34 F	854.3
03U113	974.2	24-Mar-92	34 A	856.9
03U113	974.2	08-Oct-92	37 A	854.0
03U113	974.2	02-Mar-93	38 A	854.9
03U113	974.2	03-Mar-93	38 F	854.8
03U113	974.2	10-Sep-93	40 A	856.2
03U113	974.2	01-Mar-94	42 A	857.9
03U113	974.2	15-Mar-94	42 F	858.3
03U113	974.2	02-Sep-94	44 A	856.9
03U114	973.1	14-Dec-87	16 F	857.5
03U114	973.1	26-Jan-88	17 F	857.6
03U114	973.1	14-Apr-88	18 F	857.8
03U114	973.1	30-Aug-88	19 F	853.7
03U114	973.1	22-Nov-88	20 F	853.2
03U114	973.1	05-Aug-89	23 F	851.6
03U114	973.1	02-Nov-89	24 F	850.6
03U114	973.1	01-May-90	26 F	850.4
03U114	973.1	18-Jul-90	27 F	850.3
03U114	973.1	17-Sep-90	28 F	850.1
03U114	973.1	29-Mar-91	30 F	850.8
03U114	973.1	04-Jun-91	31 F	850.8
03U114	973.1	04-Sep-91	32 F	850.3
03U114	973.1	11-Mar-92	34 F	852.7
03U114	973.1	02-Jun-92	35 F	853.5
03U114	973.1	02-Sep-92	36 F	852.9
03U114	973.1	05-Mar-93	38 F	853.9
03U114	973.1	08-Sep-93	40 F	855.3
03U114	973.1	16-Mar-94	42 F	856.9
03U114	973.1	08-Sep-94	44 F	856.0
03U121	970.5	14-Dec-87	16 F	857.8
03U121	970.5	26-Jan-88	17 F	858.1
03U121	970.5	14-Apr-88	18 F	858.1
03U121	970.5	30-Aug-88	19 F	853.9
03U121	970.5	22-Nov-88	20 F	853.4
03U121	970.5	06-Aug-89	23 F	852.1
03U121	970.5	02-Nov-89	24 F	851.0
03U121	970.5	01-May-90	26 F	850.9
03U121	970.5	18-Jul-90	27 F	850.8
03U121	970.5	17-Sep-90	28 F	850.7
03U121	970.5	28-Mar-91	30 F	851.4
03U121	970.5	12-Mar-92	34 F	853.4
03U121	970.5	08-Mar-93	38 F	854.4
03U121	970.5	16-Mar-94	42 F	857.5
03U121	970.5	12-Sep-94	44 F	856.5
03U124	1004.5	14-Apr-88	18 F	858.4
03U124	1004.5	22-Nov-88	20 F	857.4
03U124	1004.5	06-Aug-89	23 F	852.9
03U124	1004.5	02-Nov-89	24 F	852.1
03U124	1004.5	27-Apr-90	26 F	852.1
03U124	1004.5	19-Jul-90	27 F	852.1
03U124	1004.5	19-Sep-90	28 F	851.9
03U124	1004.5	25-Mar-91	30 F	854.7
03U124	1004.5	04-Jun-91	31 F	852.8
03U124	1004.5	04-Sep-91	32 F	850.6
03U124	1004.5	13-Mar-92	34 F	854.9
03U124	1004.5	03-Jun-92	35 F	855.3
03U124	1004.5	02-Sep-92	36 F	854.6
03U124	1004.5	04-Mar-93	38 F	855.0
03U124	1004.5	08-Sep-93	40 F	856.6
03U124	1004.5	14-Mar-94	42 F	858.9
03U124	1004.5	08-Sep-94	44 F	857.7
03U129	911.1	14-Dec-87	16 F	862.4
03U129	911.1	27-Jan-88	17 F	862.6
03U129	911.1	13-Apr-88	18 F	862.2
03U129	911.1	30-Aug-88	19 F	857.0
03U129	911.1	22-Nov-88	20 F	857.9
03U129	911.1	05-Aug-89	23 F	858.0
03U129	911.1	02-Nov-89	24 F	857.3
03U129	911.1	25-Apr-90	26 F	857.0
03U129	911.1	01-Apr-91	30 F	858.9
03U129	911.1	13-Mar-92	34 F	861.2
03U129	911.1	02-Mar-93	38 F	861.8
03U129	911.1	11-Mar-94	42 F	864.7
03U301	955.0	27-Jan-88	17 F	854.8
03U301	955.0	14-Apr-88	18 F	855.5
03U301	955.0	02-May-88	18 A	854.2

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U301	955.0	23-Jun-88	18 A	853.2
03U301	955.0	27-Jul-88	19 A	851.5
03U301	955.0	01-Sep-88	19 A	849.8
03U301	955.0	21-Sep-88	19 A	849.9
03U301	955.0	14-Oct-88	20 A	833.3
03U301	955.0	02-Dec-88	20 A	850.1
03U301	955.0	13-Jan-89	21 A	850.4
03U301	955.0	31-Mar-89	21 A	830.5
03U301	955.0	05-Oct-89	24 A	831.4
03U301	955.0	21-Dec-89	24 A	827.1
03U301	955.0	11-Jan-90	25 A	831.0
03U301	955.0	16-May-90	26 A	845.5
03U301	955.0	16-Jul-90	27 A	829.4
03U301	955.0	28-Feb-91	30 A	828.4
03U301	955.0	03-Jun-91	31 A	826.9
03U301	955.0	03-Sep-91	32 A	829.4
03U301	955.0	27-Sep-91	32 A	829.2
03U301	955.0	06-Dec-91	33 A	830.4
03U301	955.0	24-Mar-92	34 A	827.0
03U301	955.0	01-Jun-92	35 A	829.1
03U301	955.0	01-Sep-92	36 A	828.4
03U301	955.0	08-Oct-92	37 A	829.3
03U301	955.0	02-Mar-93	38 A	829.8
03U301	955.0	10-Sep-93	40 A	839.7
03U301	955.0	01-Mar-94	42 A	838.3
03U301	955.0	02-Sep-94	44 A	839.1
03U314	975.9	02-Dec-88	20 A	852.4
03U314	975.9	31-Mar-89	21 A	842.7
03U314	975.9	07-Jul-89	23 A	841.7
03U314	975.9	05-Oct-89	24 A	842.5
03U314	975.9	21-Dec-89	24 A	841.5
03U314	975.9	11-Jan-90	25 A	840.1
03U314	975.9	16-May-90	26 A	843.6
03U314	975.9	16-Jul-90	27 A	846.2
03U314	975.9	28-Feb-91	30 A	845.2
03U314	975.9	03-Jun-91	31 A	845.3
03U314	975.9	03-Sep-91	32 A	840.3
03U314	975.9	27-Sep-91	32 A	840.8
03U314	975.9	06-Dec-91	33 A	846.4
03U314	975.9	24-Mar-92	34 A	841.5
03U314	975.9	01-Jun-92	35 A	846.9
03U314	975.9	01-Sep-92	36 A	848.4
03U314	975.9	08-Oct-92	37 A	845.0
03U314	975.9	02-Mar-93	38 A	846.5
03U314	975.9	10-Sep-93	40 A	844.2
03U314	975.7	01-Mar-94	42 A	848.5
03U314	975.7	02-Sep-94	44 A	846.3
03U315	963.1	02-Dec-88	20 A	852.3
03U315	963.1	13-Jan-89	21 A	852.5
03U315	963.1	31-Mar-89	21 A	845.2
03U315	963.1	07-Jul-89	23 A	844.7
03U315	963.1	05-Oct-89	24 A	842.8
03U315	963.1	21-Dec-89	24 A	842.5
03U315	963.1	11-Jan-90	25 A	842.9
03U315	963.1	16-May-90	26 A	842.4
03U315	963.1	16-Jul-90	27 A	841.2
03U315	963.1	28-Feb-91	30 A	841.5
03U315	963.1	03-Jun-91	31 A	842.3
03U315	963.1	03-Sep-91	32 A	842.5
03U315	963.1	27-Sep-91	32 A	842.7
03U315	963.1	06-Dec-91	33 A	843.9
03U315	963.1	24-Mar-92	34 A	844.8
03U315	963.1	01-Jun-92	35 A	845.5
03U315	963.1	01-Sep-92	36 A	844.3
03U315	963.1	08-Oct-92	37 A	828.3
03U315	963.1	02-Mar-93	38 A	845.1
03U315	963.1	10-Sep-93	40 A	845.6
03U315	963.0	01-Mar-94	42 A	853.9
03U315	963.0	02-Sep-94	44 A	840.7
03U316	954.6	02-Dec-88	20 A	851.6
03U316	954.6	13-Jan-89	21 A	851.8
03U316	954.6	31-Mar-89	21 A	835.2
03U316	954.6	07-Jul-89	23 A	836.1
03U316	954.6	05-Oct-89	24 A	836.6
03U316	954.6	21-Dec-89	24 A	826.2
03U316	954.6	11-Jan-90	25 A	830.0
03U316	954.6	16-May-90	26 A	833.7
03U316	954.6	16-Jul-90	27 A	831.7
03U316	954.6	28-Feb-91	30 A	831.2
03U316	954.6	03-Jun-91	31 A	831.9
03U316	954.6	03-Sep-91	32 A	832.1
03U316	954.6	27-Sep-91	32 A	832.6
03U316	954.6	06-Dec-91	33 A	833.6
03U316	954.6	24-Mar-92	34 A	836.5
03U316	954.6	01-Jun-92	35 A	838.5
03U316	954.6	01-Sep-92	36 A	839.5
03U316	954.6	08-Oct-92	37 A	843.1
03U316	954.6	02-Mar-93	38 A	836.8
03U316	954.6	10-Sep-93	40 A	841.7
03U316	954.5	01-Mar-94	42 A	844.8
03U316	954.5	02-Sep-94	44 A	844.6
03U317	950.4	02-Dec-88	20 A	851.6
03U317	950.4	13-Jan-89	21 A	851.8
03U317	950.4	31-Mar-89	21 A	845.6
03U317	950.4	07-Jul-89	23 A	844.7
03U317	950.4	05-Oct-89	24 A	843.8
03U317	950.4	21-Dec-89	24 A	843.7
03U317	950.4	11-Jan-90	25 A	843.5
03U317	950.4	16-May-90	26 A	852.0
03U317	950.4	16-Jul-90	27 A	843.2
03U317	950.4	28-Feb-91	30 A	843.1
03U317	950.4	03-Jun-91	31 A	844.0
03U317	950.4	03-Sep-91	32 A	842.8
03U317	950.4	27-Sep-91	32 A	842.3
03U317	950.4	06-Dec-91	33 A	843.9
03U317	950.4	24-Mar-92	34 A	844.2
03U317	950.4	01-Jun-92	35 A	844.5
03U317	950.4	01-Sep-92	36 A	843.8
03U317	950.4	08-Oct-92	37 A	843.6
03U317	950.4	02-Mar-93	38 A	844.9
03U317	950.4	10-Sep-93	40 A	844.8
03U317	950.2	01-Mar-94	42 A	848.3
03U317	950.2	02-Sep-94	44 A	844.0
03U521	1004.6	14-Dec-87	16 F	858.1
03U521	1004.6	26-Jan-88	17 F	858.3
03U521	1004.6	13-Apr-88	18 F	858.0
03U521	1004.6	30-Aug-88	19 F	853.6
03U521	1004.6	22-Nov-88	20 F	853.5
03U521	1004.6	06-Aug-89	23 F	852.1
03U521	1004.6	02-Nov-89	24 F	851.5
03U521	1004.6	25-Apr-90	26 F	851.5
03U521	1004.6	19-Jul-90	27 F	851.5
03U521	1004.6	01-Apr-91	30 F	852.1
03U521	1004.6	12-Mar-92	34 F	854.3
03U521	1004.6	02-Mar-93	38 F	855.5
03U521	1004.6	15-Mar-94	42 F	858.2
03U647	961.3	14-Dec-87	16 F	856.8
03U647	961.3	27-Jan-88	17 F	856.9
03U647	961.3	14-Apr-88	18 F	857.8
03U647	961.3	02-May-88	18 A	857.3
03U647	961.3	20-May-88	18 A	856.9
03U647	961.3	23-Jun-88	18 A	856.0
03U647	961.3	27-Jul-88	19 A	854.5
03U647	961.3	30-Aug-88	19 F	853.4
03U647	961.3	01-Sep-88	19 A	853,3
03U647	961.3	21-Sep-88	19 A	853.0
03U647	961.3	14-Oct-88	20 A	852.8
03U647	961.3	23-Nov-88	20 F	853.3
03U647	961.3	02-Dec-88	20 A	852.9
03U647	961.3	13-Jan-89	21 A	853.4
03U647	961.3	31-Mar-89	21 A	851.7
03U647	961.3	05-Aug-89	23 F	850.6

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U647	961.3	05-Oct-89	24 A	849.8
03U647	961.3	03-Nov-89	24 F	849.6
03U647	961.3	21-Dec-89	24 A	849.4
03U647	961.3	11-Jan-90	25 A	849.3
03U647	961.3	16-May-90	26 A	849.1
03U647	961.3	28-Feb-91	30 A	849.7
03U647	961.3	27-Sep-91	32 A	849.3
03U647	961.3	24-Mar-92	34 A	851.2
03U647	961.3	08-Oct-92	37 A	849.8
03U647	961.3	02-Mar-93	38 A	850.6
03U647	961.3	10-Sep-93	40 A	851.7
03U647	961.3	01-Mar-94	42 A	853.9
03U647	961.3	02-Sep-94	44 A	853.0
03U648	959.8	14-Dec-87	16 A	854.8
03U648	959.8	14-Dec-87	16 F	855.7
03U648	959.8	11-Jan-88	17 A	855.8
03U648	959.8	27-Jan-88	17 F	855.8
03U648	959.8	14-Apr-88	18 F	856.6
03U648	959.8	02-May-88	18 A	856.2
03U648	959.8	20-May-88	18 A	855.8
03U648	959.8	23-Jun-88	18 A	854.9
03U648	959.8	27-Jul-88	19 A	853.3
03U648	959.8	30-Aug-88	19 F	852.2
03U648	959.8	01-Sep-88	19 A	852.1
03U648	959.8	21-Sep-88	19 A	851.9
03U648	959.8	14-Oct-88	20 A	851.7
03U648	959.8	23-Nov-88	20 F	852.1
03U648	959.8	02-Dec-88	20 A	851.8
03U648	959.8	13-Jan-89	21 A	852.2
03U648	959.8	31-Mar-89	21 A	850.7
03U648	959.8	05-Aug-89	23 F	849.4
03U648	959.8	05-Oct-89	24 A	848.6
03U648	959.8	03-Nov-89	24 F	848.4
03U648	959.8	21-Dec-89	24 A	848.3
03U648	959.8	11-Jan-90	25 A	848.1
03U648	959.8	16-May-90	26 A	848.0
03U648	959.8	28-Feb-91	30 A	848.5
03U648	959.8	27-Sep-91	32 A	848.1
03U648	959.8	24-Mar-92	34 A	850.1
03U648	959.8	08-Oct-92	37 A	850.1
03U648	959.8	02-Mar-93	38 A	850.9
03U648	959.8	10-Sep-93	40 A	852.0
03U648	959.8	01-Mar-94	42 A	853.9
03U648	959.8	02-Sep-94	44 A	852.9
03U658	963.0	14-Dec-87	16 A	855.5
03U658	963.0	11-Jan-88	17 A	855.7
03U658	963.0	27-Jan-88	17 F	855.7
03U658	963.0	14-Apr-88	18 F	856.3
03U658	963.0	02-May-88	18 A	855.9
03U658	963.0	20-May-88	18 A	855.6
03U658	963.0	23-Jun-88	18 A	854.5
03U658	963.0	27-Jul-88	19 A	853.1
03U658	963.0	30-Aug-88	19 F	852.1
03U658	963.0	01-Sep-88	19 A	852.0
03U658	963.0	21-Sep-88	19 A	851.7
03U658	963.0	14-Oct-88	20 A	851.5
03U658	963.0	23-Nov-88	20 F	853.0
03U658	963.0	02-Dec-88	20 A	851.8
03U658	963.0	13-Jan-89	21 A	852.1
03U658	963.0	31-Mar-89	21 A	850.8
03U658	963.0	05-Aug-89	23 F	849.4
03U658	963.0	05-Oct-89	24 A	848.5
03U658	963.0	03-Nov-89	24 F	848.3
03U658	963.0	21-Dec-89	24 A	848.3
03U658	963.0	11-Jan-90	25 A	848.0
03U658	963.0	16-May-90	26 A	848.0
03U658	963.0	28-Feb-91	30 A	848.5
03U658	963.0	27-Sep-91	32 A	848.1
03U658	963.0	24-Mar-92	34 A	850.1
03U658	963.0	08-Oct-92	37 A	850.9
03U658	963.0	02-Mar-93	38 A	851.6
03U658	963.0	10-Sep-93	40 A	852.8
03U658	963.0	01-Mar-94	42 A	854.6
03U658	963.0	02-Sep-94	44 A	853.7
03U659	956.5	14-Dec-87	16 A	854.0
03U659	956.5	11-Jan-88	17 A	854.2
03U659	956.5	27-Jan-88	17 F	854.2
03U659	956.5	14-Apr-88	18 F	855.4
03U659	956.5	02-May-88	18 A	854.8
03U659	956.5	20-May-88	18 A	854.3
03U659	956.5	23-Jun-88	18 A	853.7
03U659	956.5	27-Jul-88	19 A	852.1
03U659	956.5	30-Aug-88	19 F	850.8
03U659	956.5	01-Sep-88	19 A	850.7
03U659	956.5	21-Sep-88	19 A	850.7
03U659	956.5	14-Oct-88	20 A	850.1
03U659	956.5	23-Nov-88	20 F	850.8
03U659	956.5	02-Dec-88	20 A	850.6
03U659	956.5	13-Jan-89	21 A	850.9
03U659	956.5	31-Mar-89	21 A	848.7
03U659	956.5	05-Aug-89	23 F	847.7
03U659	956.5	05-Oct-89	24 A	846.8
03U659	956.5	03-Nov-89	24 F	846.6
03U659	956.5	21-Dec-89	24 A	846.4
03U659	956.5	11-Jan-90	25 A	846.2
03U659	956.5	16-May-90	26 A	846.2
03U659	956.5	28-Feb-91	30 A	846.5
03U659	956.5	27-Sep-91	32 A	846.1
03U659	956.5	24-Mar-92	34 A	848.0
03U659	956.5	08-Oct-92	37 A	848.4
03U659	956.5	02-Mar-93	38 A	849.2
03U659	956.5	10-Sep-93	40 A	850.3
03U659	956.5	01-Mar-94	42 A	852.3
03U659	956.5	02-Sep-94	44 A	851.4
03U671	930.4	24-Nov-87	16 A	851.8
03U671	930.4	30-Nov-87	16 A	851.9
03U671	930.4	14-Dec-87	16 A	851.9
03U671	930.4	15-Dec-87	16 F	851.8
03U671	930.4	11-Jan-88	17 A	852.1
03U671	930.4	28-Jan-88	17 F	852.0
03U671	930.4	13-Apr-88	18 F	854.2
03U671	930.4	02-May-88	18 A	852.9
03U671	930.4	20-May-88	18 A	852.0
03U671	930.4	23-Jun-88	18 A	851.7
03U671	930.4	27-Jul-88	19 A	850.2
03U671	930.4	30-Aug-88	19 F	848.9
03U671	930.4	01-Sep-88	19 A	848.7
03U671	930.4	21-Sep-88	19 A	848.3
03U671	930.4	14-Oct-88	20 A	848.1
03U671	930.4	23-Nov-88	20 F	849.1
03U671	930.4	02-Dec-88	20 A	849.4
03U671	930.4	13-Jan-89	21 A	849.5
03U671	930.4	31-Mar-89	21 A	846.5
03U671	930.4	07-Aug-89	23 F	845.2
03U671	930.4	05-Oct-89	24 A	844.7
03U671	930.4	02-Nov-89	24 F	844.0
03U671	930.4	21-Dec-89	24 A	843.5
03U671	930.4	11-Jan-90	25 A	843.6
03U671	930.4	16-May-90	26 A	843.6
03U671	930.4	28-Feb-91	30 A	843.9
03U671	930.4	27-Sep-91	32 A	843.3
03U671	930.4	24-Mar-92	34 A	845.1
03U671	930.4	08-Oct-92	37 A	845.4
03U671	930.4	02-Mar-93	38 A	846.2
03U671	930.4	10-Sep-93	40 A	847.5
03U671	930.4	01-Mar-94	42 A	849.5
03U671	930.4	02-Sep-94	44 A	848.5
03U672	923.1	17-Nov-87	16 A	854.1
03U672	923.1	30-Nov-87	16 A	853.9
03U672	923.1	14-Dec-87	16 A	854.1
03U672	923.1	14-Dec-87	16 F	853.6
03U672	923.1	11-Jan-88	17 A	853.6
03U672	923.1	28-Jan-88	17 F	853.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U672	923.1	13-Apr-88	18 F	855.1
03U672	923.1	02-May-88	18 A	854.5
03U672	923.1	20-May-88	18 A	854.0
03U672	923.1	23-Jun-88	18 A	853.4
03U672	923.1	27-Jul-88	19 A	852.0
03U672	923.1	30-Aug-88	19 F	850.8
03U672	923.1	01-Sep-88	19 A	850.7
03U672	923.1	21-Sep-88	19 A	851.5
03U672	923.1	14-Oct-88	20 A	850.1
03U672	923.1	23-Nov-88	20 F	850.4
03U672	923.1	02-Dec-88	20 A	850.3
03U672	923.1	13-Jan-89	21 A	850.7
03U672	923.1	31-Mar-89	21 A	848.3
03U672	923.1	07-Jul-89	23 A	847.2
03U672	923.1	03-Aug-89	23 F	847.0
03U672	923.1	05-Oct-89	24 A	846.3
03U672	923.1	02-Nov-89	24 F	845.9
03U672	923.1	21-Dec-89	24 A	846.0
03U672	923.1	11-Jan-90	25 A	845.9
03U672	923.1	16-May-90	26 A	845.8
03U672	923.1	16-Jul-90	27 A	845.4
03U672	923.1	28-Feb-91	30 A	846.2
03U672	923.1	03-Jun-91	31 A	845.8
03U672	923.1	03-Sep-91	32 A	845.6
03U672	923.1	27-Sep-91	32 A	845.5
03U672	923.1	06-Dec-91	33 A	846.8
03U672	923.1	24-Mar-92	34 A	847.4
03U672	923.1	01-Jun-92	35 A	848.2
03U672	923.1	01-Sep-92	36 A	847.8
03U672	923.1	08-Oct-92	37 A	847.8
03U672	923.1	02-Mar-93	38 A	848.4
03U672	923.1	10-Sep-93	40 A	849.5
03U672	923.1	01-Mar-94	42 A	851.4
03U672	923.1	02-Sep-94	44 A	850.5
03U673	897.2	17-Nov-87	16 A	847.6
03U673	897.2	24-Nov-87	16 A	847.0
03U673	897.2	30-Nov-87	16 A	847.4
03U673	897.2	14-Dec-87	16 A	847.6
03U673	897.2	14-Dec-87	16 F	846.5
03U673	897.2	11-Jan-88	17 A	846.7
03U673	897.2	27-Jan-88	17 F	846.6
03U673	897.2	13-Apr-88	18 F	848.0
03U673	897.2	02-May-88	18 A	847.3
03U673	897.2	20-May-88	18 A	846.9
03U673	897.2	23-Jun-88	18 A	845.9
03U673	897.2	27-Jul-88	19 A	845.0
03U673	897.2	30-Aug-88	19 F	844.0
03U673	897.2	01-Sep-88	19 A	844.0
03U673	897.2	21-Sep-88	19 A	843.6
03U673	897.2	14-Oct-88	20 A	843.8
03U673	897.2	23-Nov-88	20 F	845.3
03U673	897.2	02-Dec-88	20 A	843.8
03U673	897.2	13-Jan-89	21 A	844.2
03U673	897.2	31-Mar-89	21 A	842.3
03U673	897.2	07-Jul-89	23 A	840.8
03U673	897.2	03-Aug-89	23 F	840.9
03U673	897.2	05-Oct-89	24 A	840.5
03U673	897.2	02-Nov-89	24 F	839.8
03U673	897.2	21-Dec-89	24 A	839.5
03U673	897.2	11-Jan-90	25 A	839.7
03U673	897.2	16-May-90	26 A	839.5
03U673	897.2	16-Jul-90	27 A	839.2
03U673	897.2	28-Feb-91	30 A	839.5
03U673	897.2	03-Jun-91	31 A	839.1
03U673	897.2	03-Sep-91	32 A	838.6
03U673	897.2	27-Sep-91	32 A	838.8
03U673	897.2	06-Dec-91	33 A	839.9
03U673	897.2	24-Mar-92	34 A	840.5
03U673	897.2	01-Jun-92	35 A	841.0
03U673	897.2	01-Sep-92	36 A	840.5
03U673	897.2	08-Oct-92	37 A	840.8
03U673	897.2	02-Mar-93	38 A	841.5
03U673	897.2	10-Sep-93	40 A	842.7
03U673	897.2	01-Mar-94	42 A	844.2
03U673	897.2	30-Mar-94	42 A	843.8
03U673	897.2	31-Mar-94	42 A	844.2
03U673	897.2	10-Apr-94	43 A	844.0
03U673	897.2	17-Apr-94	43 A	843.8
03U673	897.2	18-Apr-94	43 A	844.6
03U673	897.2	18-Apr-94	43 A	844.6
03U673	897.2	18-Apr-94	43 A	844.6
03U673	897.2	19-Apr-94	43 A	844.0
03U673	897.2	20-Apr-94	43 A	843.9
03U673	897.2	21-Apr-94	43 A	843.9
03U673	897.2	22-Apr-94	43 A	844.0
03U673	897.2	25-Apr-94	43 A	844.6
03U673	897.2	26-Apr-94	43 A	844.8
03U673	897.2	28-Apr-94	43 A	843.8
03U673	897.2	29-Apr-94	43 A	843.8
03U673	897.2	02-May-94	43 A	844.1
03U673	897.2	09-May-94	43 A	844.3
03U673	897.2	16-May-94	43 A	843.9
03U673	897.2	23-May-94	43 A	844.3
03U673	897.2	20-Jun-94	43 A	843.9
03U673	897.2	19-Jul-94	44 A	844.9
03U673	897.2	02-Sep-94	44 A	843.9
03U673	897.2	10-Oct-94	45 A	843.0
03U674	955.1	14-Dec-87	16 A	852.9
03U674	955.1	15-Dec-87	16 F	853.5
03U674	955.1	27-Jan-88	17 F	854.3
03U674	955.1	13-Apr-88	18 F	855.8
03U674	955.1	02-May-88	18 A	854.5
03U674	955.1	20-May-88	18 A	853.8
03U674	955.1	23-Jun-88	18 A	853.5
03U674	955.1	27-Jul-88	19 A	851.7
03U674	955.1	30-Aug-88	19 F	850.4
03U674	955.1	01-Sep-88	19 A	850.1
03U674	955.1	21-Sep-88	19 A	850.3
03U674	955.1	14-Oct-88	20 A	849.2
03U674	955.1	23-Nov-88	20 F	851.1
03U674	955.1	02-Dec-88	20 A	850.4
03U674	955.1	13-Jan-89	21 A	850.7
03U674	955.1	31-Mar-89	21 A	847.6
03U674	955.1	05-Aug-89	23 F	847.4
03U674	955.1	05-Oct-89	24 A	845.8
03U674	955.1	02-Nov-89	24 F	846.3
03U674	955.1	21-Dec-89	24 A	845.3
03U674	955.1	11-Jan-90	25 A	845.2
03U674	955.1	16-May-90	26 A	845.7
03U674	955.1	28-Feb-91	30 A	845.4
03U674	955.1	27-Sep-91	32 A	844.9
03U674	955.1	24-Mar-92	34 A	846.7
03U674	955.1	08-Oct-92	37 A	847.0
03U674	955.1	02-Mar-93	38 A	847.8
03U674	955.1	10-Sep-93	40 A	849.0
03U674	955.1	01-Mar-94	42 A	851.1
03U674	955.1	02-Sep-94	44 A	850.2
03U676	959.4	02-May-88	18 A	855.1
03U676	959.4	20-May-88	18 A	854.6
03U676	959.4	23-Jun-88	18 A	853.8
03U676	959.4	27-Jul-88	19 A	852.3
03U676	959.4	01-Sep-88	19 A	851.0
03U676	959.4	21-Sep-88	19 A	850.9
03U676	959.4	14-Oct-88	20 A	850.4
03U676	959.4	02-Dec-88	20 A	850.8
03U676	959.4	13-Jan-89	21 A	851.2
03U676	959.4	31-Mar-89	21 A	849.4
03U676	959.4	05-Oct-89	24 A	847.3
03U676	959.4	21-Dec-89	24 A	846.9
03U676	959.4	11-Jan-90	25 A	846.8
03U676	959.4	28-Feb-91	30 A	847.1
03U676	959.4	27-Sep-91	32 A	847.1
03U701	908.7	17-Nov-87	16 A	848.9
03U701	908.7	24-Nov-87	16 A	849.0

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U701	908.7	30-Nov-87	16 A	849.3
03U701	908.7	14-Dec-87	16 F	849.0
03U701	908.7	11-Jan-88	17 A	849.4
03U701	908.7	27-Jan-88	17 F	849.2
03U701	908.7	13-Apr-88	18 F	850.8
03U701	908.7	02-May-88	18 A	849.4
03U701	908.7	20-May-88	18 A	848.8
03U701	908.7	23-Jun-88	18 A	847.1
03U701	908.7	27-Jul-88	19 A	846.3
03U701	908.7	30-Aug-88	19 F	845.3
03U701	908.7	01-Sep-88	19 A	845.4
03U701	908.7	21-Sep-88	19 A	845.2
03U701	908.7	14-Oct-88	20 A	845.3
03U701	908.7	23-Nov-88	20 F	846.7
03U701	908.7	02-Dec-88	20 A	846.4
03U701	908.7	13-Jan-89	21 A	846.7
03U701	908.7	31-Mar-89	21 A	843.2
03U701	908.7	05-Aug-89	23 F	841.5
03U701	908.7	05-Oct-89	24 A	841.0
03U701	908.7	03-Nov-89	24 F	841.1
03U701	908.7	21-Dec-89	24 A	840.6
03U701	908.7	11-Jan-90	25 A	840.8
03U701	908.7	16-May-90	26 A	840.9
03U701	908.7	28-Feb-91	30 A	841.3
03U701	908.7	27-Sep-91	32 A	840.6
03U701	908.7	24-Mar-92	34 A	842.6
03U701	908.7	08-Oct-92	37 A	843.0
03U701	908.7	02-Mar-93	38 A	844.0
03U701	908.7	10-Sep-93	40 A	845.3
03U701	908.7	01-Mar-94	42 A	847.0
03U701	908.7	02-Sep-94	44 A	845.5
03U702	908.1	17-Nov-87	16 A	848.4
03U702	908.1	24-Nov-87	16 A	848.6
03U702	908.1	30-Nov-87	16 A	848.9
03U702	908.1	14-Dec-87	16 F	848.6
03U702	908.1	11-Jan-88	17 A	849.0
03U702	908.1	27-Jan-88	17 F	848.7
03U702	908.1	13-Apr-88	18 F	850.2
03U702	908.1	02-May-88	18 A	848.9
03U702	908.1	20-May-88	18 A	848.3
03U702	908.1	23-Jun-88	18 A	846.5
03U702	908.1	27-Jul-88	19 A	845.7
03U702	908.1	30-Aug-88	19 F	844.8
03U702	908.1	01-Sep-88	19 A	844.8
03U702	908.1	21-Sep-88	19 A	844.8
03U702	908.1	14-Oct-88	20 A	844.8
03U702	908.1	23-Nov-88	20 F	846.2
03U702	908.1	02-Dec-88	20 A	845.9
03U702	908.1	13-Jan-89	21 A	846.2
03U702	908.1	31-Mar-89	21 A	842.8
03U702	908.1	05-Aug-89	23 F	840.9
03U702	908.1	05-Oct-89	24 A	840.5
03U702	908.1	03-Nov-89	24 F	839.6
03U702	908.1	21-Dec-89	24 A	839.6
03U702	908.1	11-Jan-90	25 A	840.4
03U702	908.1	16-May-90	26 A	840.4
03U702	908.1	28-Feb-91	30 A	840.8
03U702	908.1	27-Sep-91	32 A	840.2
03U702	908.1	24-Mar-92	34 A	842.1
03U702	908.1	08-Oct-92	37 A	842.6
03U702	908.1	02-Mar-93	38 A	843.6
03U702	908.1	10-Sep-93	40 A	844.9
03U702	908.1	01-Mar-94	42 A	846.6
03U702	908.1	02-Sep-94	44 A	845.0
03U703	918.7	17-Nov-87	16 A	848.9
03U703	918.7	24-Nov-87	16 A	849.1
03U703	918.7	30-Nov-87	16 A	849.2
03U703	918.7	14-Dec-87	16 A	849.4
03U703	918.7	11-Jan-88	17 A	849.7
03U703	918.7	27-Jan-88	17 F	849.5
03U703	918.7	13-Apr-88	18 F	853.7
03U703	918.7	02-May-88	18 A	850.6
03U703	918.7	20-May-88	18 A	849.5
03U703	918.7	23-Jun-88	18 A	849.6
03U703	918.7	27-Jul-88	19 A	847.3
03U703	918.7	30-Aug-88	19 F	847.7
03U703	918.7	01-Sep-88	19 A	847.3
03U703	918.7	21-Sep-88	19 A	846.9
03U703	918.7	14-Oct-88	20 A	845.7
03U703	918.7	23-Nov-88	20 F	849.4
03U703	918.7	02-Dec-88	20 A	849.1
03U703	918.7	13-Jan-89	21 A	847.0
03U703	918.7	31-Mar-89	21 A	843.6
03U703	918.7	05-Aug-89	23 F	842.5
03U703	918.7	05-Oct-89	24 A	842.0
03U703	918.7	02-Nov-89	24 F	841.6
03U703	918.7	21-Dec-89	24 A	842.0
03U703	918.7	11-Jan-90	25 A	841.1
03U703	918.7	16-May-90	26 A	840.6
03U703	918.7	28-Feb-91	30 A	841.0
03U703	918.7	27-Sep-91	32 A	840.0
03U703	918.7	24-Mar-92	34 A	841.8
03U703	918.7	08-Oct-92	37 A	842.7
03U703	918.7	02-Mar-93	38 A	843.6
03U703	918.7	10-Sep-93	40 A	845.0
03U703	918.7	01-Mar-94	42 A	846.9
03U703	918.7	02-Sep-94	44 A	846.1
03U704	976.4	24-Nov-87	16 A	859.2
03U704	976.4	30-Nov-87	16 A	859.3
03U704	976.4	14-Dec-87	16 F	859.5
03U704	976.4	11-Jan-88	17 A	859.7
03U704	976.4	27-Jan-88	17 F	859.7
03U704	976.4	13-Apr-88	18 F	856.4
03U704	976.4	02-May-88	18 A	859.4
03U704	976.4	20-May-88	18 A	859.1
03U704	976.4	23-Jun-88	18 A	856.7
03U704	976.4	27-Jul-88	19 A	855.1
03U704	976.4	30-Aug-88	19 F	854.7
03U704	976.4	01-Sep-88	19 A	854.7
03U704	976.4	21-Sep-88	19 A	854.6
03U704	976.4	14-Oct-88	20 A	854.6
03U704	976.4	23-Nov-88	20 F	854.4
03U704	976.4	02-Dec-88	20 A	854.5
03U704	976.4	13-Jan-89	21 A	854.8
03U704	976.4	31-Mar-89	21 A	846.9
03U704	976.4	07-Jul-89	23 A	854.6
03U704	976.4	05-Aug-89	23 F	853.5
03U704	976.4	05-Oct-89	24 A	853.1
03U704	976.4	02-Nov-89	24 F	853.5
03U704	976.4	21-Dec-89	24 A	853.3
03U704	976.4	11-Jan-90	25 A	853.2
03U704	976.4	27-Apr-90	26 F	853.2
03U704	976.4	16-May-90	26 A	853.1
03U704	976.4	16-Jul-90	27 A	853.3
03U704	976.4	28-Feb-91	30 A	854.1
03U704	976.4	03-Jun-91	31 A	854.3
03U704	976.4	03-Sep-91	32 A	853.6
03U704	976.4	27-Sep-91	32 A	854.1
03U704	976.4	06-Dec-91	33 A	855.3
03U704	976.4	24-Mar-92	34 A	856.1
03U704	976.4	08-Oct-92	37 A	856.0
03U704	976.4	02-Mar-93	38 A	857.0
03U704	976.4	10-Sep-93	40 A	858.4
03U704	976.4	01-Mar-94	42 A	860.0
03U704	976.4	02-Sep-94	44 A	858.8
03U705	1047.2	24-Nov-87	16 A	859.2
03U705	1047.2	30-Nov-87	16 A	859.3
03U705	1047.2	14-Dec-87	16 A	859.6
03U705	1047.2	15-Dec-87	16 F	859.6
03U705	1047.2	11-Jan-88	17 A	859.8
03U705	1047.2	27-Jan-88	17 F	859.9
03U705	1047.2	13-Apr-88	18 F	858.6
03U705	1047.2	02-May-88	18 A	859.5
03U705	1047.2	20-May-88	18 A	859.2

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U705	1047.2	23-Jun-88	18 A	856.8
03U705	1047.2	27-Jul-88	19 A	855.1
03U705	1047.2	30-Aug-88	19 F	854.8
03U705	1047.2	01-Sep-88	19 A	854.7
03U705	1047.2	21-Sep-88	19 A	854.7
03U705	1047.2	14-Oct-88	20 A	854.7
03U705	1047.2	05-Aug-89	23 F	854.0
03U705	1047.2	05-Oct-89	24 A	853.3
03U705	1047.2	21-Dec-89	24 A	853.6
03U705	1047.2	11-Jan-90	25 A	853.5
03U705	1047.2	24-Apr-90	26 F	853.6
03U705	1047.2	16-May-90	26 A	853.4
03U705	1047.2	19-Jul-90	27 F	853.6
03U705	1047.2	21-Sep-90	28 F	853.5
03U705	1047.2	28-Feb-91	30 A	854.5
03U705	1047.2	03-Jun-91	31 A	854.7
03U705	1047.2	03-Sep-91	32 A	854.0
03U705	1047.2	27-Sep-91	32 A	854.5
03U705	1047.2	06-Dec-91	33 A	855.7
03U705	1047.2	24-Mar-92	34 A	856.6
03U705	1047.2	08-Oct-92	37 A	856.5
03U705	1047.2	02-Mar-93	38 A	857.5
03U705	1047.2	10-Sep-93	40 A	858.8
03U705	1047.2	01-Mar-94	42 A	860.6
03U705	1047.2	02-Sep-94	44 A	859.3
03U706	918.3	24-Nov-87	16 A	859.3
03U706	918.3	30-Nov-87	16 A	859.4
03U706	918.3	14-Dec-87	16 A	859.6
03U706	918.3	14-Dec-87	16 F	859.7
03U706	918.3	11-Jan-88	17 A	859.8
03U706	918.3	27-Jan-88	17 F	859.9
03U706	918.3	13-Apr-88	18 F	859.0
03U706	918.3	02-May-88	18 A	859.4
03U706	918.3	20-May-88	18 A	859.1
03U706	918.3	23-Jun-88	18 A	856.3
03U706	918.3	27-Jul-88	19 A	854.9
03U706	918.3	30-Aug-88	19 F	854.8
03U706	918.3	01-Sep-88	19 A	854.7
03U706	918.3	21-Sep-88	19 A	854.6
03U706	918.3	14-Oct-88	20 A	854.8
03U706	918.3	23-Nov-88	20 F	854.8
03U706	918.3	02-Dec-88	20 A	854.7
03U706	918.3	13-Jan-89	21 A	855.1
03U706	918.3	31-Mar-89	21 A	856.2
03U706	918.3	07-Jul-89	23 A	854.6
03U706	918.3	05-Aug-89	23 F	853.9
03U706	918.3	05-Oct-89	24 A	853.2
03U706	918.3	04-Nov-89	24 F	853.5
03U706	918.3	21-Dec-89	24 A	853.6
03U706	918.3	11-Jan-90	25 A	853.6
03U706	918.3	16-May-90	26 A	853.4
03U706	918.3	16-Jul-90	27 A	853.6
03U706	918.3	28-Feb-91	30 A	854.4
03U706	918.3	03-Jun-91	31 A	854.7
03U706	918.3	03-Sep-91	32 A	853.9
03U706	918.3	27-Sep-91	32 A	854.5
03U706	918.3	06-Dec-91	33 A	855.6
03U706	918.3	24-Mar-92	34 A	856.4
03U706	918.3	01-Jun-92	35 A	854.6
03U706	918.3	01-Sep-92	36 A	855.7
03U706	918.3	08-Oct-92	37 A	856.2
03U706	918.3	02-Mar-93	38 A	857.3
03U706	918.3	10-Sep-93	40 A	858.7
03U706	918.3	01-Mar-94	42 A	860.2
03U706	918.3	02-Sep-94	44 A	858.9
03U707	916.1	24-Nov-87	16 A	859.7
03U707	916.1	30-Nov-87	16 A	859.9
03U707	916.1	14-Dec-87	16 A	860.0
03U707	916.1	11-Jan-88	17 A	860.2
03U707	916.1	27-Jan-88	17 F	860.2
03U707	916.1	13-Apr-88	18 F	859.1
03U707	916.1	02-May-88	18 A	859.8
03U707	916.1	20-May-88	18 A	859.4
03U707	916.1	23-Jun-88	18 A	856.5
03U707	916.1	27-Jul-88	19 A	854.9
03U707	916.1	30-Aug-88	19 F	854.9
03U707	916.1	01-Sep-88	19 A	854.9
03U707	916.1	21-Sep-88	19 A	854.9
03U707	916.1	14-Oct-88	20 A	855.2
03U707	916.1	23-Nov-88	20 F	855.2
03U707	916.1	02-Dec-88	20 A	855.3
03U707	916.1	13-Jan-89	21 A	855.6
03U707	916.1	31-Mar-89	21 A	856.8
03U707	916.1	05-Aug-89	23 F	854.0
03U707	916.1	05-Oct-89	24 A	853.8
03U707	916.1	04-Nov-89	24 F	854.0
03U707	916.1	21-Dec-89	24 A	854.2
03U707	916.1	11-Jan-90	25 A	854.3
03U707	916.1	16-May-90	26 A	854.1
03U707	916.1	28-Feb-91	30 A	855.1
03U707	916.1	27-Sep-91	32 A	855.2
03U707	916.1	24-Mar-92	34 A	857.1
03U707	916.1	08-Oct-92	37 A	856.8
03U707	916.1	02-Mar-93	38 A	857.9
03U707	916.1	10-Sep-93	40 A	859.4
03U707	916.1	01-Mar-94	42 A	860.8
03U707	916.1	02-Sep-94	44 A	859.4
03U708	919.8	17-Nov-87	16 A	851.4
03U708	919.8	24-Nov-87	16 A	851.0
03U708	919.8	30-Nov-87	16 A	851.0
03U708	919.8	14-Dec-87	16 F	850.8
03U708	919.8	11-Jan-88	17 A	851.3
03U708	919.8	27-Jan-88	17 F	851.1
03U708	919.8	13-Apr-88	18 F	853.5
03U708	919.8	02-May-88	18 A	852.0
03U708	919.8	20-May-88	18 A	851.1
03U708	919.8	23-Jun-88	18 A	850.9
03U708	919.8	27-Jul-88	19 A	849.5
03U708	919.8	30-Aug-88	19 F	848.0
03U708	919.8	01-Sep-88	19 A	847.9
03U708	919.8	21-Sep-88	19 A	847.5
03U708	919.8	14-Oct-88	20 A	847.4
03U708	919.8	23-Nov-88	20 F	848.5
03U708	919.8	02-Dec-88	20 A	848.9
03U708	919.8	13-Jan-89	21 A	848.8
03U708	919.8	31-Mar-89	21 A	845.6
03U708	919.8	05-Aug-89	23 F	844.3
03U708	919.8	05-Oct-89	24 A	843.8
03U708	919.8	02-Nov-89	24 F	843.2
03U708	919.8	21-Dec-89	24 A	842.8
03U708	919.8	11-Jan-90	25 A	842.6
03U708	919.8	16-May-90	26 A	842.7
03U708	919.8	28-Feb-91	30 A	843.0
03U708	919.8	27-Sep-91	32 A	842.4
03U708	919.8	24-Mar-92	34 A	844.2
03U708	919.8	08-Oct-92	37 A	844.8
03U708	919.8	02-Mar-93	38 A	845.7
03U708	919.8	10-Sep-93	40 A	847.0
03U708	919.8	01-Mar-94	42 A	848.9
03U708	919.8	02-Sep-94	44 A	847.8
03U709	910.1	17-Nov-87	16 A	850.2
03U709	910.1	24-Nov-87	16 A	850.2
03U709	910.1	30-Nov-87	16 A	850.2
03U709	910.1	14-Dec-87	16 A	850.2
03U709	910.1	11-Jan-88	17 A	850.4
03U709	910.1	27-Jan-88	17 F	850.2
03U709	910.1	13-Apr-88	18 F	852.5
03U709	910.1	02-May-88	18 A	850.7
03U709	910.1	20-May-88	18 A	850.0
03U709	910.1	23-Jun-88	18 A	849.4
03U709	910.1	27-Jul-88	19 A	848.3
03U709	910.1	30-Aug-88	19 F	847.0
03U709	910.1	01-Sep-88	19 A	846.8
03U709	910.1	21-Sep-88	19 A	846.3

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U709	910.1	14-Oct-88	20 A	846.5
03U709	910.1	23-Nov-88	20 F	847.9
03U709	910.1	02-Dec-88	20 A	848.1
03U709	910.1	13-Jan-89	21 A	848.0
03U709	910.1	31-Mar-89	21 A	844.5
03U709	910.1	05-Aug-89	23 F	842.9
03U709	910.1	05-Oct-89	24 A	842.6
03U709	910.1	02-Nov-89	24 F	842.3
03U709	910.1	21-Dec-89	24 A	841.8
03U709	910.1	11-Jan-90	25 A	841.6
03U709	910.1	16-May-90	26 A	841.8
03U709	910.1	28-Feb-91	30 A	842.2
03U709	910.1	27-Sep-91	32 A	841.7
03U709	910.1	24-Mar-92	34 A	843.6
03U709	910.1	08-Oct-92	37 A	844.0
03U709	910.1	02-Mar-93	38 A	844.9
03U709	910.1	10-Sep-93	40 A	846.3
03U709	910.1	01-Mar-94	42 A	848.0
03U709	910.1	02-Sep-94	44 A	846.7
03U710	944.7	17-Nov-87	16 A	851.0
03U710	944.7	24-Nov-87	16 A	851.2
03U710	944.7	30-Nov-87	16 A	851.3
03U710	944.7	14-Dec-87	16 A	851.1
03U710	944.7	11-Jan-88	17 A	851.5
03U710	944.7	27-Jan-88	17 F	850.3
03U710	944.7	13-Apr-88	18 F	853.8
03U710	944.7	02-May-88	18 A	852.2
03U710	944.7	20-May-88	18 A	851.5
03U710	944.7	23-Jun-88	18 A	851.3
03U710	944.7	27-Jul-88	19 A	849.6
03U710	944.7	30-Aug-88	19 F	848.5
03U710	944.7	01-Sep-88	19 A	848.2
03U710	944.7	21-Sep-88	19 A	848.0
03U710	944.7	14-Oct-88	20 A	847.6
03U710	944.7	23-Nov-88	20 F	848.7
03U710	944.7	02-Dec-88	20 A	849.2
03U710	944.7	13-Jan-89	21 A	848.7
03U710	944.7	31-Mar-89	21 A	845.4
03U710	944.7	05-Aug-89	23 F	844.3
03U710	944.7	05-Oct-89	24 A	843.6
03U710	944.7	02-Nov-89	24 F	842.8
03U710	944.7	21-Dec-89	24 A	843.3
03U710	944.7	11-Jan-90	25 A	842.7
03U710	944.7	16-May-90	26 A	842.6
03U710	944.7	28-Feb-91	30 A	842.9
03U710	944.7	27-Sep-91	32 A	842.3
03U710	944.7	24-Mar-92	34 A	844.1
03U710	944.7	08-Oct-92	37 A	845.1
03U710	944.7	02-Mar-93	38 A	845.9
03U710	944.7	10-Sep-93	40 A	847.1
03U710	944.7	01-Mar-94	42 A	849.0
03U710	944.7	02-Sep-94	44 A	848.1
03U711	906.9	24-Nov-87	16 A	850.4
03U711	906.9	30-Nov-87	16 A	850.4
03U711	906.9	14-Dec-87	16 F	850.1
03U711	906.9	11-Jan-88	17 A	850.7
03U711	906.9	26-Jan-88	17 F	850.2
03U711	906.9	13-Apr-88	18 F	852.9
03U711	906.9	02-May-88	18 A	850.7
03U711	906.9	20-May-88	18 A	850.2
03U711	906.9	23-Jun-88	18 A	849.5
03U711	906.9	27-Jul-88	19 A	848.7
03U711	906.9	30-Aug-88	19 F	847.3
03U711	906.9	01-Sep-88	19 A	847.4
03U711	906.9	21-Sep-88	19 A	846.9
03U711	906.9	14-Oct-88	20 A	847.0
03U711	906.9	23-Nov-88	20 F	848.3
03U711	906.9	02-Dec-88	20 A	848.1
03U711	906.9	13-Jan-89	21 A	848.2
03U711	906.9	31-Mar-89	21 A	844.4
03U711	906.9	07-Jul-89	23 A	843.2
03U711	906.9	05-Aug-89	23 F	843.2
03U711	906.9	05-Oct-89	24 A	842.5
03U711	906.9	03-Nov-89	24 F	842.4
03U711	906.9	21-Dec-89	24 A	841.8
03U711	906.9	11-Jan-90	25 A	841.6
03U711	906.9	16-May-90	26 A	841.9
03U711	906.9	16-Jul-90	27 A	840.6
03U711	906.9	28-Feb-91	30 A	842.3
03U711	906.9	03-Jun-91	31 A	841.9
03U711	906.9	03-Sep-91	32 A	840.2
03U711	906.9	27-Sep-91	32 A	840.6
03U711	906.9	06-Dec-91	33 A	842.1
03U711	906.9	24-Mar-92	34 A	842.6
03U711	906.9	01-Jun-92	35 A	844.0
03U711	906.9	01-Sep-92	36 A	843.6
03U711	906.9	08-Oct-92	37 A	843.4
03U711	906.9	02-Mar-93	38 A	844.3
03U711	906.9	10-Sep-93	40 A	845.7
03U711	906.9	01-Mar-94	42 A	847.3
03U711	906.9	02-Sep-94	44 A	846.0
03U715	961.0	02-Dec-88	20 A	852.2
03U715	961.0	13-Jan-89	21 A	852.4
03U715	961.0	31-Mar-89	21 A	851.0
03U715	961.0	07-Jul-89	23 A	850.1
03U715	961.0	05-Oct-89	24 A	848.8
03U715	961.0	21-Dec-89	24 A	848.3
03U715	961.0	11-Jan-90	25 A	848.2
03U715	961.0	16-May-90	26 A	848.2
03U715	961.0	16-Jul-90	27 A	848.1
03U715	961.0	28-Feb-91	30 A	848.8
03U715	961.0	03-Jun-91	31 A	848.9
03U715	961.0	03-Sep-91	32 A	848.4
03U715	961.0	27-Sep-91	32 A	848.5
03U715	961.0	06-Dec-91	33 A	849.7
03U715	961.0	24-Mar-92	34 A	850.5
03U715	961.0	01-Jun-92	35 A	851.3
03U715	961.0	01-Sep-92	36 A	850.7
03U715	961.0	08-Oct-92	37 A	851.0
03U715	961.0	02-Mar-93	38 A	851.8
03U715	961.0	10-Sep-93	40 A	853.0
03U715	961.0	01-Mar-94	42 A	854.8
03U715	961.0	02-Sep-94	44 A	853.9
03U716	950.1	02-Dec-88	20 A	851.4
03U716	950.1	31-Mar-89	21 A	849.7
03U716	950.1	07-Jul-89	23 A	848.5
03U716	950.1	05-Oct-89	24 A	847.6
03U716	950.1	21-Dec-89	24 A	846.9
03U716	950.1	11-Jan-90	25 A	846.9
03U716	950.1	16-May-90	26 A	847.0
03U716	950.1	16-Jul-90	27 A	846.8
03U716	950.1	28-Feb-91	30 A	847.6
03U716	950.1	10-Apr-91	30 F	847.6
03U716	950.1	03-Jun-91	31 A	847.5
03U716	950.1	04-Jun-91	31 F	848.2
03U716	950.1	03-Sep-91	32 A	847.0
03U716	950.1	04-Sep-91	32 F	848.0
03U716	950.1	27-Sep-91	32 A	847.2
03U716	950.1	06-Dec-91	33 A	848.5
03U716	950.1	17-Mar-92	34 F	847.3
03U716	950.1	24-Mar-92	34 A	849.1
03U716	950.1	01-Jun-92	35 A	849.8
03U716	950.1	02-Jun-92	35 F	850.6
03U716	950.1	01-Sep-92	36 A	849.2
03U716	950.1	02-Sep-92	36 F	850.2
03U716	950.1	08-Oct-92	37 A	849.7
03U716	950.1	02-Mar-93	38 A	850.5
03U716	950.1	10-Sep-93	40 A	851.9
03U716	950.1	01-Mar-94	42 A	853.7
03U716	950.1	02-Sep-94	44 A	852.5
03U801	912.2	17-Nov-87	16 A	850.0
03U801	912.2	24-Nov-87	16 A	850.3
03U801	912.2	30-Nov-87	16 A	850.0

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U801	912.2	14-Dec-87	16 A	849.8
03U801	912.2	11-Jan-88	17 A	850.6
03U801	912.2	26-Jan-88	17 F	849.9
03U801	912.2	13-Apr-88	18 F	853.0
03U801	912.2	02-May-88	18 A	850.5
03U801	912.2	20-May-88	18 A	849.9
03U801	912.2	23-Jun-88	18 A	849.3
03U801	912.2	27-Jul-88	19 A	848.6
03U801	912.2	30-Aug-88	19 F	847.3
03U801	912.2	01-Sep-88	19 A	846.9
03U801	912.2	21-Sep-88	19 A	846.5
03U801	912.2	14-Oct-88	20 A	846.8
03U801	912.2	23-Nov-88	20 F	848.3
03U801	912.2	02-Dec-88	20 A	848.1
03U801	912.2	13-Jan-89	21 A	847.1
03U801	912.2	31-Mar-89	21 A	844.0
03U801	912.2	03-Aug-89	23 F	842.9
03U801	912.2	05-Oct-89	24 A	842.1
03U801	912.2	03-Nov-89	24 F	841.9
03U801	912.2	21-Dec-89	24 A	841.9
03U801	912.2	11-Jan-90	25 A	841.7
03U801	912.2	16-May-90	26 A	841.4
03U801	912.2	16-Jul-90	27 A	841.1
03U801	912.2	28-Feb-91	30 A	841.8
03U801	912.2	03-Jun-91	31 A	842.0
03U801	912.2	03-Sep-91	32 A	841.0
03U801	912.2	27-Sep-91	32 A	841.2
03U801	912.2	06-Dec-91	33 A	842.4
03U801	912.2	24-Mar-92	34 A	843.0
03U801	912.2	01-Jun-92	35 A	843.6
03U801	912.2	01-Sep-92	36 A	843.3
03U801	912.2	08-Oct-92	37 A	843.9
03U801	912.2	02-Mar-93	38 A	844.6
03U801	912.2	10-Sep-93	40 A	846.0
03U801	912.2	01-Mar-94	42 A	847.6
03U801	912.2	02-Sep-94	44 A	846.6
03U803	898.1	17-Nov-87	16 A	849.7
03U803	898.1	24-Nov-87	16 A	849.6
03U803	898.1	30-Nov-87	16 A	849.5
03U803	898.1	14-Dec-87	16 A	848.9
03U803	898.1	11-Jan-88	17 A	849.0
03U803	898.1	26-Jan-88	17 F	848.9
03U803	898.1	13-Apr-88	18 F	851.0
03U803	898.1	02-May-88	18 A	849.6
03U803	898.1	20-May-88	18 A	849.2
03U803	898.1	23-Jun-88	18 A	848.4
03U803	898.1	27-Jul-88	19 A	847.7
03U803	898.1	30-Aug-88	19 F	846.7
03U803	898.1	01-Sep-88	19 A	846.6
03U803	898.1	21-Sep-88	19 A	846.0
03U803	898.1	14-Oct-88	20 A	846.1
03U803	898.1	23-Nov-88	20 F	846.9
03U803	898.1	02-Dec-88	20 A	846.5
03U803	898.1	13-Jan-89	21 A	846.6
03U803	898.1	31-Mar-89	21 A	844.0
03U803	898.1	03-Aug-89	23 F	842.7
03U803	898.1	05-Oct-89	24 A	841.7
03U803	898.1	03-Nov-89	24 F	841.8
03U803	898.1	21-Dec-89	24 A	841.3
03U803	898.1	11-Jan-90	25 A	841.4
03U803	898.1	16-May-90	26 A	841.1
03U803	898.1	28-Feb-91	30 A	841.3
03U803	898.1	27-Sep-91	32 A	840.6
03U803	898.1	24-Mar-92	34 A	842.3
03U803	898.1	08-Oct-92	37 A	843.1
03U803	898.1	02-Mar-93	38 A	843.8
03U803	898.1	10-Sep-93	40 A	845.1
03U803	898.1	01-Mar-94	42 A	846.5
03U803	898.1	02-Sep-94	44 A	845.5
03U803	898.1	12-Sep-94	44 F	845.5
03U804	910.1	24-Nov-87	16 A	849.9
03U804	910.1	30-Nov-87	16 A	849.7
03U804	910.1	14-Dec-87	16 F	849.4
03U804	910.1	11-Jan-88	17 A	850.6
03U804	910.1	26-Jan-88	17 F	849.6
03U804	910.1	13-Apr-88	18 F	852.5
03U804	910.1	02-May-88	18 A	850.0
03U804	910.1	20-May-88	18 A	849.6
03U804	910.1	23-Jun-88	18 A	848.8
03U804	910.1	27-Jul-88	19 A	848.4
03U804	910.1	30-Aug-88	19 F	846.9
03U804	910.1	01-Sep-88	19 A	847.1
03U804	910.1	21-Sep-88	19 A	846.4
03U804	910.1	14-Oct-88	20 A	846.8
03U804	910.1	23-Nov-88	20 F	847.9
03U804	910.1	02-Dec-88	20 A	847.8
03U804	910.1	13-Jan-89	21 A	847.5
03U804	910.1	31-Mar-89	21 A	843.8
03U804	910.1	03-Aug-89	23 F	842.5
03U804	910.1	05-Oct-89	24 A	841.8
03U804	910.1	03-Nov-89	24 F	841.8
03U804	910.1	21-Dec-89	24 A	841.3
03U804	910.1	11-Jan-90	25 A	841.3
03U804	910.1	16-May-90	26 A	841.2
03U804	910.1	28-Feb-91	30 A	841.5
03U804	910.1	27-Sep-91	32 A	841.0
03U804	910.1	24-Mar-92	34 A	843.0
03U804	910.1	08-Oct-92	37 A	843.5
03U804	910.1	02-Mar-93	38 A	844.3
03U804	910.1	10-Sep-93	40 A	845.8
03U804	910.1	01-Mar-94	42 A	847.3
03U804	910.1	02-Sep-94	44 A	846.1
03U805	905.3	17-Nov-87	16 A	848.8
03U805	905.3	24-Nov-87	16 A	848.9
03U805	905.3	14-Dec-87	16 F	848.4
03U805	905.3	11-Jan-88	17 A	849.5
03U805	905.3	27-Jan-88	17 F	848.3
03U805	905.3	13-Apr-88	18 F	851.0
03U805	905.3	02-May-88	18 A	848.8
03U805	905.3	20-May-88	18 A	848.3
03U805	905.3	27-Jul-88	19 A	846.7
03U805	905.3	30-Aug-88	19 F	845.4
03U805	905.3	01-Sep-88	19 A	845.7
03U805	905.3	21-Sep-88	19 A	844.9
03U805	905.3	14-Oct-88	20 A	845.5
03U805	905.3	23-Nov-88	20 F	846.7
03U805	905.3	02-Dec-88	20 A	846.6
03U805	905.3	13-Jan-89	21 A	846.4
03U805	905.3	31-Mar-89	21 A	842.7
03U805	905.3	03-Aug-89	23 F	841.2
03U805	905.3	05-Oct-89	24 A	840.5
03U805	905.3	03-Nov-89	24 F	840.6
03U805	905.3	21-Dec-89	24 A	840.0
03U805	905.3	11-Jan-90	25 A	840.2
03U805	905.3	16-May-90	26 A	840.2
03U805	905.3	28-Feb-91	30 A	840.5
03U805	905.3	27-Sep-91	32 A	840.0
03U805	905.3	24-Mar-92	34 A	841.9
03U805	905.3	08-Oct-92	37 A	842.0
03U805	905.3	02-Mar-93	38 A	842.9
03U805	905.3	10-Sep-93	40 A	844.3
03U805	905.3	01-Mar-94	42 A	845.9
03U805	905.3	02-Sep-94	44 A	844.4
03U806	909.6	17-Nov-87	16 A	848.7
03U806	909.6	24-Nov-87	16 A	848.8
03U806	909.6	30-Nov-87	16 A	848.6
03U806	909.6	14-Dec-87	16 A	848.4
03U806	909.6	11-Jan-88	17 A	848.9
03U806	909.6	27-Jan-88	17 F	848.3
03U806	909.6	13-Apr-88	18 F	850.3
03U806	909.6	02-May-88	18 A	848.7
03U806	909.6	20-May-88	18 A	848.1
03U806	909.6	23-Jun-88	18 A	846.4
03U806	909.6	27-Jul-88	19 A	845.7

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U806	909.6	30-Aug-88	19 F	844.9
03U806	909.6	01-Sep-88	19 A	845.0
03U806	909.6	21-Sep-88	19 A	844.6
03U806	909.6	14-Oct-88	20 A	844.8
03U806	909.6	23-Nov-88	20 F	846.1
03U806	909.6	02-Dec-88	20 A	845.9
03U806	909.6	13-Jan-89	21 A	846.2
03U806	909.6	31-Mar-89	21 A	842.6
03U806	909.6	03-Aug-89	23 F	841.0
03U806	909.6	05-Oct-89	24 A	840.4
03U806	909.6	03-Nov-89	24 F	840.5
03U806	909.6	21-Dec-89	24 A	839.9
03U806	909.6	11-Jan-90	25 A	840.2
03U806	909.6	16-May-90	26 A	840.3
03U806	909.6	16-Jul-90	27 A	839.9
03U806	909.6	28-Feb-91	30 A	840.7
03U806	909.6	03-Jun-91	31 A	840.4
03U806	909.6	03-Sep-91	32 A	839.6
03U806	909.6	27-Sep-91	32 A	840.0
03U806	909.6	06-Dec-91	33 A	841.3
03U806	909.6	24-Mar-92	34 A	842.0
03U806	909.6	01-Jun-92	35 A	842.0
03U806	909.6	01-Sep-92	36 A	841.6
03U806	909.6	08-Oct-92	37 A	842.3
03U806	909.6	02-Mar-93	38 A	843.3
03U806	909.6	10-Sep-93	40 A	844.6
03U806	909.6	01-Mar-94	42 A	846.2
03U806	909.6	02-Sep-94	44 A	844.8
03U811	908.2	14-Dec-87	16 F	846.5
03U811	908.2	27-Jan-88	17 F	846.5
03U811	908.2	13-Apr-88	18 F	847.9
03U811	908.2	30-Aug-88	19 F	842.7
03U811	908.2	23-Nov-88	20 F	844.1
03U811	908.2	04-May-89	22 F	839.0
03U811	908.2	06-Aug-89	23 F	839.4
03U811	908.2	03-Nov-89	24 F	838.9
03U811	908.2	26-Apr-90	26 F	839.1
03U811	908.2	20-Mar-91	30 F	839.4
03U811	908.2	19-Mar-92	34 F	840.6
03U811	908.2	10-Mar-93	38 F	841.5
03U811	908.2	18-Mar-94	42 F	844.9
03U815	872.6	14-Dec-87	16 F	839.0
03U815	872.6	26-Jan-88	17 F	839.0
03U815	872.6	13-Apr-88	18 F	839.8
03U815	872.6	30-Aug-88	19 F	835.1
03U815	872.6	23-Nov-88	20 F	835.6
03U815	872.6	06-Aug-89	23 F	831.6
03U815	872.6	03-Nov-89	24 F	832.9
03U815	872.6	16-Mar-92	34 F	835.0
03U815	872.6	04-Mar-93	38 F	835.3
03U815	872.6	21-Mar-94	42 F	838.4
03U821	878.0	14-Dec-87	16 F	838.0
03U821	878.0	26-Jan-88	17 F	838.1
03U821	878.0	13-Apr-88	18 F	838.7
03U821	878.0	30-Aug-88	19 F	834.1
03U821	878.0	23-Nov-88	20 F	835.4
03U821	878.0	10-May-89	22 F	831.7
03U821	878.0	06-Aug-89	23 F	831.3
03U821	878.0	03-Nov-89	24 F	831.8
03U821	878.0	01-May-90	26 F	801.8
03U821	878.0	23-Jul-90	27 F	831.0
03U821	878.0	21-Mar-91	30 F	831.6
03U821	878.0	20-Mar-92	34 F	833.8
03U821	878.0	03-Mar-93	38 F	833.3
03U821	878.0	18-Mar-94	42 F	836.8
03U822	876.7	14-Dec-87	16 F	837.5
03U822	876.7	26-Jan-88	17 F	837.6
03U822	876.7	13-Apr-88	18 F	838.2
03U822	876.7	30-Aug-88	19 F	833.6
03U822	876.7	23-Nov-88	20 F	834.9
03U822	876.7	05-May-89	22 F	831.6
03U822	876.7	06-Aug-89	23 F	830.9
03U822	876.7	03-Nov-89	24 F	831.4
03U822	876.7	25-Apr-90	26 F	831.6
03U822	876.7	21-Mar-91	30 F	831.2
03U822	876.7	19-Mar-92	34 F	832.9
03U822	876.7	04-Mar-93	38 F	832.8
03U822	876.7	18-Mar-94	42 F	836.2
03U824	879.9	14-Dec-87	16 F	837.3
03U824	879.9	26-Jan-88	17 F	837.4
03U824	879.9	13-Apr-88	18 F	838.0
03U824	879.9	30-Aug-88	19 F	833.4
03U824	879.9	23-Nov-88	20 F	834.5
03U824	879.9	06-Aug-89	23 F	830.7
03U824	879.9	03-Nov-89	24 F	831.2
03U824	879.9	03-May-90	26 F	832.5
03U824	879.9	28-Mar-91	30 F	830.7
03U824	879.9	18-Mar-94	42 F	836.0
03U831	888.6	14-Dec-87	16 F	836.6
03U831	888.6	26-Jan-88	17 F	836.8
03U831	888.6	13-Apr-88	18 F	837.3
03U831	888.6	30-Aug-88	19 F	832.6
03U831	888.6	10-May-89	22 F	830.6
03U831	888.6	07-Aug-89	23 F	830.3
03U831	888.6	25-Apr-90	26 F	830.5
03U831	888.6	19-Mar-91	30 F	830.2
03U831	888.6	23-Mar-92	34 F	832.5
03U831	888.6	04-Mar-93	38 F	832.8
03U831	888.6	21-Mar-94	42 F	835.4
03U832	884.8	14-Dec-87	16 F	836.7
03U832	884.8	26-Jan-88	17 F	836.9
03U832	884.8	13-Apr-88	18 F	835.6
03U832	884.8	30-Aug-88	19 F	832.5
03U832	884.8	23-Nov-88	20 F	833.9
03U832	884.8	09-May-89	22 F	831.0
03U832	884.8	07-Aug-89	23 F	829.9
03U832	884.8	03-Nov-89	24 F	830.6
03U832	884.8	25-Apr-90	26 F	830.8
03U832	884.8	20-Mar-91	30 F	830.8
03U832	884.8	16-Mar-92	34 F	832.7
03U832	884.8	04-Mar-93	38 F	831.9
03U832	884.8	21-Mar-94	42 F	835.6
03U832	884.8	30-Mar-94	42 A	834.7
03U832	884.8	31-Mar-94	42 A	835.1
03U832	884.8	10-Apr-94	43 A	835.0
03U832	884.8	17-Apr-94	43 A	835.0
03U832	884.8	18-Apr-94	43 A	835.5
03U832	884.8	18-Apr-94	43 A	835.5
03U832	884.8	18-Apr-94	43 A	835.4
03U832	884.8	19-Apr-94	43 A	834.9
03U832	884.8	20-Apr-94	43 A	835.0
03U832	884.8	21-Apr-94	43 A	835.1
03U832	884.8	22-Apr-94	43 A	835.2
03U832	884.8	25-Apr-94	43 A	835.4
03U832	884.8	26-Apr-94	43 A	835.4
03U832	884.8	28-Apr-94	43 A	834.8
03U832	884.8	29-Apr-94	43 A	834.8
03U832	884.8	02-May-94	43 A	835.3
03U832	884.8	09-May-94	43 A	835.0
03U832	884.8	16-May-94	43 A	834.4
03U832	884.8	23-May-94	43 A	834.3
03U832	884.8	20-Jun-94	43 A	833.6
03U832	884.8	19-Jul-94	44 A	833.5
03U832	884.8	10-Oct-94	45 A	832.7
03U841	911.5	28-Feb-91	30 A	838.8
03U841	911.5	03-Sep-91	32 A	838.8
03U841	911.5	27-Sep-91	32 A	838.1
03U841	911.5	08-Oct-92	37 A	840.4
03U841	911.5	02-Mar-93	38 A	841.3
03U841	911.5	10-Sep-93	40 A	842.5

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U841	911.5	01-Mar-94	42 A	842.8
03U841	911.5	02-Sep-94	44 A	841.3
04J077	912.3	21-Sep-88	19 A	847.3
04J077	912.3	02-Dec-88	20 A	847.8
04J077	912.3	13-Jan-89	21 A	847.4
04J077	912.3	31-Mar-89	21 A	840.2
04J077	912.3	05-Oct-89	24 A	837.9
04J077	912.3	21-Dec-89	24 A	836.7
04J077	912.3	11-Jan-90	25 A	836.7
04J077	912.3	16-May-90	26 A	837.3
04J077	912.3	28-Feb-91	30 A	838.1
04J077	912.3	27-Sep-91	32 A	837.6
04J077	912.3	24-Mar-92	34 A	839.3
04J077	912.3	08-Oct-92	37 A	839.4
04J077	912.3	02-Mar-93	38 A	840.2
04J077	912.3	10-Sep-93	40 A	841.4
04J077	912.3	01-Mar-94	42 A	843.1
04J077	912.3	02-Sep-94	44 A	841.7
04J702	908.3	02-Dec-88	20 A	847.0
04J702	908.3	13-Jan-89	21 A	847.2
04J702	908.3	31-Mar-89	21 A	842.5
04J702	908.3	05-Oct-89	24 A	840.3
04J702	908.3	21-Dec-89	24 A	839.5
04J702	908.3	11-Jan-90	25 A	839.8
04J702	908.3	16-May-90	26 A	839.9
04J702	908.3	28-Feb-91	30 A	840.3
04J702	908.3	27-Sep-91	32 A	839.7
04J702	908.3	24-Mar-92	34 A	841.6
04J702	908.3	08-Oct-92	37 A	841.6
04J702	908.3	02-Mar-93	38 A	842.5
04J702	908.3	10-Sep-93	40 A	843.8
04J702	908.3	01-Mar-94	42 A	845.5
04J702	908.3	02-Sep-94	44 A	843.9
04J708	919.2	31-Mar-89	21 A	843.2
04J708	919.2	05-Oct-89	24 A	841.1
04J708	919.2	21-Dec-89	24 A	840.3
04J708	919.2	11-Jan-90	25 A	840.2
04J708	919.2	16-May-90	26 A	840.3
04J708	919.2	28-Feb-91	30 A	840.7
04J708	919.2	27-Sep-91	32 A	840.3
04J708	919.2	24-Mar-92	34 A	839.2
04J708	919.2	08-Oct-92	37 A	843.0
04J708	919.2	02-Mar-93	38 A	843.9
04J708	919.2	10-Sep-93	40 A	845.0
04J708	919.2	01-Mar-94	42 A	846.7
04J708	919.2	02-Sep-94	44 A	845.3
04J713	895.9	02-Dec-88	20 A	847.2
04J713	895.9	13-Jan-89	21 A	847.1
04J713	895.9	31-Mar-89	21 A	842.3
04J713	895.9	07-Jul-89	23 A	840.4
04J713	895.9	05-Oct-89	24 A	840.2
04J713	895.9	21-Dec-89	24 A	839.5
04J713	895.9	11-Jan-90	25 A	839.6
04J713	895.9	16-May-90	26 A	839.8
04J713	895.9	16-Jul-90	27 A	839.6
04J713	895.9	28-Feb-91	30 A	840.2
04J713	895.9	03-Jun-91	31 A	839.9
04J713	895.9	03-Sep-91	32 A	839.1
04J713	895.9	27-Sep-91	32 A	839.5
04J713	895.9	06-Dec-91	33 A	840.8
04J713	895.9	24-Mar-92	34 A	841.4
04J713	895.9	01-Jun-92	35 A	841.3
04J713	895.9	01-Sep-92	36 A	840.9
04J713	895.9	08-Oct-92	37 A	841.4
04J713	895.9	02-Mar-93	38 A	842.4
04J713	895.9	10-Sep-93	40 A	844.0
04J713	895.9	01-Mar-94	42 A	845.5
04J713	895.9	02-Sep-94	44 A	844.2
04J714	891.6	02-Dec-88	20 A	846.9
04J714	891.6	13-Jan-89	21 A	853.7
04J714	891.6	31-Mar-89	21 A	843.5
04J714	891.6	07-Jul-89	23 A	841.1
04J714	891.6	05-Oct-89	24 A	847.7
04J714	891.6	21-Dec-89	24 A	847.4
04J714	891.6	11-Jan-90	25 A	847.5
04J714	891.6	16-May-90	26 A	847.7
04J714	891.6	16-Jul-90	27 A	847.5
04J714	891.6	28-Feb-91	30 A	848.2
04J714	891.6	03-Jun-91	31 A	848.0
04J714	891.6	03-Sep-91	32 A	847.1
04J714	891.6	27-Sep-91	32 A	847.6
04J714	891.6	06-Dec-91	33 A	848.9
04J714	891.6	24-Mar-92	34 A	849.4
04J714	891.6	01-Jun-92	35 A	849.3
04J714	891.6	01-Sep-92	36 A	848.8
04J714	891.6	08-Oct-92	37 A	842.6
04J714	891.6	02-Mar-93	38 A	843.7
04J714	891.6	10-Sep-93	40 A	845.1
04J714	891.6	01-Mar-94	42 A	847.1
04J714	891.6	02-Sep-94	44 A	845.0
04J834	884.8	23-Mar-94	42 F	744.1
04J834	884.8	12-Sep-94	44 F	739.3
04J835	884.8	23-Mar-94	42 F	750.3
04J835	884.8	12-Sep-94	44 F	742.8
04J864	906.2	30-Mar-94	42 A	827.8
04J864	906.2	31-Mar-94	42 A	828.0
04J864	906.2	10-Apr-94	43 A	828.5
04J864	906.2	17-Apr-94	43 A	829.2
04J864	906.2	18-Apr-94	43 A	829.5
04J864	906.2	18-Apr-94	43 A	829.4
04J864	906.2	18-Apr-94	43 A	829.2
04J864	906.2	19-Apr-94	43 A	828.3
04J864	906.2	20-Apr-94	43 A	828.5
04J864	906.2	21-Apr-94	43 A	828.5
04J864	906.2	22-Apr-94	43 A	828.3
04J864	906.2	25-Apr-94	43 A	828.5
04J864	906.2	26-Apr-94	43 A	828.3
04J864	906.2	28-Apr-94	43 A	828.3
04J864	906.2	29-Apr-94	43 A	827.9
04J864	906.2	02-May-94	43 A	828.5
04J864	906.2	09-May-94	43 A	828.8
04J864	906.2	16-May-94	43 A	827.3
04J864	906.2	23-May-94	43 A	826.5
04J864	906.2	20-Jun-94	43 A	825.5
04J864	906.2	19-Jul-94	44 A	825.9
04J864	906.2	10-Oct-94	45 A	825.0
04J866	908.5	30-Mar-94	42 A	828.5
04J866	908.5	31-Mar-94	42 A	828.7
04J866	908.5	10-Apr-94	43 A	829.1
04J866	908.5	17-Apr-94	43 A	829.9
04J866	908.5	18-Apr-94	43 A	830.1
04J866	908.5	18-Apr-94	43 A	829.8
04J866	908.5	18-Apr-94	43 A	830.2
04J866	908.5	19-Apr-94	43 A	828.9
04J866	908.5	20-Apr-94	43 A	829.2
04J866	908.5	21-Apr-94	43 A	829.2
04J866	908.5	22-Apr-94	43 A	829.2
04J866	908.5	25-Apr-94	43 A	829.1
04J866	908.5	26-Apr-94	43 A	828.8
04J866	908.5	28-Apr-94	43 A	829.0
04J866	908.5	29-Apr-94	43 A	828.5
04J866	908.5	02-May-94	43 A	829.2
04J866	908.5	09-May-94	43 A	829.5
04J866	908.5	16-May-94	43 A	827.9
04J866	908.5	23-May-94	43 A	827.3
04J866	908.5	20-Jun-94	43 A	826.3
04J866	908.5	19-Jul-94	44 A	826.7
04J866	908.5	10-Oct-94	45 A	825.7

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04J882	884.8	23-Mar-94	42 F	773.3
04J882	884.8	12-Sep-94	44 F	745.4
04U001	888.8	17-Nov-87	16 A	849.7
04U001	888.8	24-Nov-87	16 A	849.3
04U001	888.8	30-Nov-87	16 A	849.7
04U001	888.8	14-Dec-87	16 A	849.4
04U001	888.8	11-Jan-88	17 A	849.6
04U001	888.8	13-Apr-88	18 F	850.4
04U001	888.8	02-May-88	18 A	849.5
04U001	888.8	20-May-88	18 A	848.8
04U001	888.8	23-Jun-88	18 A	846.4
04U001	888.8	27-Jul-88	19 A	845.2
04U001	888.8	30-Aug-88	19 F	845.2
04U001	888.8	01-Sep-88	19 A	844.8
04U001	888.8	21-Sep-88	19 A	845.0
04U001	888.8	14-Oct-88	20 A	845.5
04U001	888.8	25-Nov-88	20 F	846.5
04U001	888.8	02-Dec-88	20 A	846.4
04U001	888.8	13-Jan-89	21 A	846.6
04U001	888.8	31-Mar-89	21 A	843.7
04U001	888.8	07-Jul-89	23 A	841.4
04U001	888.8	05-Aug-89	23 F	841.2
04U001	888.8	05-Oct-89	24 A	841.1
04U001	888.8	02-Nov-89	24 F	841.4
04U001	888.8	21-Dec-89	24 A	841.0
04U001	888.8	11-Jan-90	25 A	841.1
04U001	888.8	16-May-90	26 A	841.3
04U001	888.8	16-Jul-90	27 A	841.0
04U001	888.8	28-Feb-91	30 A	841.9
04U001	888.8	03-Jun-91	31 A	841.6
04U001	888.8	03-Sep-91	32 A	840.7
04U001	888.8	27-Sep-91	32 A	841.3
04U001	888.8	06-Dec-91	33 A	842.6
04U001	888.8	24-Mar-92	34 A	843.1
04U001	888.8	01-Jun-92	35 A	842.9
04U001	888.8	01-Sep-92	36 A	842.4
04U001	888.8	08-Oct-92	37 A	843.1
04U001	888.8	02-Mar-93	38 A	844.3
04U001	888.8	10-Sep-93	40 A	845.7
04U001	888.8	01-Mar-94	42 A	847.5
04U001	888.8	02-Sep-94	44 A	845.6
04U002	920.4	17-Nov-87	16 A	850.8
04U002	920.4	24-Nov-87	16 A	850.5
04U002	920.4	30-Nov-87	16 A	850.8
04U002	920.4	14-Dec-87	16 A	850.5
04U002	920.4	14-Dec-87	16 F	850.6
04U002	920.4	11-Jan-88	17 A	850.8
04U002	920.4	27-Jan-88	17 F	850.7
04U002	920.4	13-Apr-88	18 F	853.2
04U002	920.4	02-May-88	18 A	851.1
04U002	920.4	20-May-88	18 A	850.6
04U002	920.4	23-Jun-88	18 A	849.5
04U002	920.4	27-Jul-88	19 A	848.3
04U002	920.4	30-Aug-88	19 F	848.0
04U002	920.4	01-Sep-88	19 A	848.0
04U002	920.4	21-Sep-88	19 A	847.7
04U002	920.4	14-Oct-88	20 A	847.1
04U002	920.4	25-Nov-88	20 F	848.6
04U002	920.4	13-Jan-89	21 A	848.2
04U002	920.4	31-Mar-89	21 A	844.0
04U002	920.4	05-Aug-89	23 F	842.5
04U002	920.4	05-Oct-89	24 A	842.1
04U002	920.4	02-Nov-89	24 F	842.0
04U002	920.4	21-Dec-89	24 A	841.4
04U002	920.4	11-Jan-90	25 A	841.3
04U002	920.4	16-May-90	26 A	841.5
04U002	920.4	16-Jul-90	27 A	841.3
04U002	920.4	28-Feb-91	30 A	841.9
04U002	920.4	03-Jun-91	31 A	841.7
04U002	920.4	03-Sep-91	32 A	841.2
04U002	920.4	27-Sep-91	32 A	841.4
04U002	920.4	06-Dec-91	33 A	842.7
04U002	920.4	24-Mar-92	34 A	843.3
04U002	920.4	01-Jun-92	35 A	843.7
04U002	920.4	01-Sep-92	36 A	843.3
04U002	920.4	08-Oct-92	37 A	843.4
04U002	920.4	02-Mar-93	38 A	844.3
04U002	920.4	10-Sep-93	40 A	845.5
04U002	920.4	01-Mar-94	42 A	847.2
04U002	920.4	02-Sep-94	44 A	845.7
04U003	943.2	17-Nov-87	16 A	850.1
04U003	943.2	24-Nov-87	16 A	849.9
04U003	943.2	30-Nov-87	16 A	850.0
04U003	943.2	14-Dec-87	16 A	849.8
04U003	943.2	14-Dec-87	16 F	849.7
04U003	943.2	11-Jan-88	17 A	850.2
04U003	943.2	26-Jan-88	17 F	849.8
04U003	943.2	14-Apr-88	18 F	851.2
04U003	943.2	02-May-88	18 A	850.3
04U003	943.2	20-May-88	18 A	849.8
04U003	943.2	23-Jun-88	18 A	848.6
04U003	943.2	27-Jul-88	19 A	847.8
04U003	943.2	30-Aug-88	19 F	846.6
04U003	943.2	01-Sep-88	19 A	846.6
04U003	943.2	21-Sep-88	19 A	846.2
04U003	943.2	14-Oct-88	20 A	846.4
04U003	943.2	25-Nov-88	20 F	847.1
04U003	943.2	02-Dec-88	20 A	847.4
04U003	943.2	13-Jan-89	21 A	847.0
04U003	943.2	31-Mar-89	21 A	844.6
04U003	943.2	07-Jul-89	23 A	843.2
04U003	943.2	05-Aug-89	23 F	843.0
04U003	943.2	05-Oct-89	24 A	842.5
04U003	943.2	02-Nov-89	24 F	842.2
04U003	943.2	21-Dec-89	24 A	842.3
04U003	943.2	11-Jan-90	25 A	841.9
04U003	943.2	16-May-90	26 A	842.1
04U003	943.2	16-Jul-90	27 A	841.8
04U003	943.2	28-Feb-91	30 A	842.6
04U003	943.2	03-Jun-91	31 A	842.3
04U003	943.2	03-Sep-91	32 A	841.8
04U003	943.2	27-Sep-91	32 A	842.0
04U003	943.2	06-Dec-91	33 A	843.3
04U003	943.2	24-Mar-92	34 A	843.8
04U003	943.2	01-Jun-92	35 A	844.3
04U003	943.2	01-Sep-92	36 A	844.0
04U003	943.2	08-Oct-92	37 A	844.3
04U003	943.2	02-Mar-93	38 A	845.2
04U003	943.2	10-Sep-93	40 A	846.4
04U003	943.2	01-Mar-94	42 A	848.0
04U003	943.2	02-Sep-94	44 A	846.9
04U007	903.1	24-Nov-87	16 A	859.0
04U007	903.1	30-Nov-87	16 A	859.5
04U007	903.1	14-Dec-87	16 F	859.2
04U007	903.1	11-Jan-88	17 A	859.6
04U007	903.1	26-Jan-88	17 F	859.5
04U007	903.1	13-Apr-88	18 F	859.7
04U007	903.1	02-May-88	18 A	859.1
04U007	903.1	20-May-88	18 A	858.9
04U007	903.1	23-Jun-88	18 A	856.6
04U007	903.1	27-Jul-88	19 A	855.2
04U007	903.1	30-Aug-88	19 F	854.9
04U007	903.1	01-Sep-88	19 A	854.9
04U007	903.1	21-Sep-88	19 A	854.5
04U007	903.1	14-Oct-88	20 A	854.8
04U007	903.1	25-Nov-88	20 F	855.1
04U007	903.1	02-Dec-88	20 A	855.4
04U007	903.1	13-Jan-89	21 A	855.6
04U007	903.1	31-Mar-89	21 A	854.9
04U007	903.1	07-Jul-89	23 A	852.9
04U007	903.1	05-Aug-89	23 F	852.2
04U007	903.1	05-Oct-89	24 A	852.3
04U007	903.1	02-Nov-89	24 F	852.5
04U007	903.1	21-Dec-89	24 A	852.3

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U007	903.1	11-Jan-90	25 A	852.2
04U007	903.1	16-May-90	26 A	851.9
04U007	903.1	16-Jul-90	27 A	851.6
04U007	903.1	20-Sep-90	28 F	852.0
04U007	903.1	28-Feb-91	30 A	853.0
04U007	903.1	28-Mar-91	30 F	852.4
04U007	903.1	03-Jun-91	31 A	852.7
04U007	903.1	03-Sep-91	32 A	852.2
04U007	903.1	27-Sep-91	32 A	852.1
04U007	903.1	06-Dec-91	33 A	854.0
04U007	903.1	10-Mar-92	34 F	854.6
04U007	903.1	24-Mar-92	34 A	854.4
04U007	903.1	01-Jun-92	35 A	854.5
04U007	903.1	01-Sep-92	36 A	854.1
04U007	903.1	08-Oct-92	37 A	854.7
04U007	903.1	02-Mar-93	38 A	855.4
04U007	903.1	02-Mar-93	38 F	855.1
04U007	903.1	10-Sep-93	40 A	856.3
04U007	903.1	01-Mar-94	42 A	858.2
04U007	903.1	11-Mar-94	42 F	858.8
04U007	903.1	02-Sep-94	44 A	856.8
04U012	880.2	17-Nov-87	16 A	859.5
04U012	880.2	24-Nov-87	16 A	859.4
04U012	880.2	30-Nov-87	16 A	859.7
04U012	880.2	14-Dec-87	16 A	859.6
04U012	880.2	14-Dec-87	16 F	859.7
04U012	880.2	11-Jan-88	17 A	860.0
04U012	880.2	27-Jan-88	17 F	859.9
04U012	880.2	13-Apr-88	18 F	859.6
04U012	880.2	02-May-88	18 A	859.1
04U012	880.2	20-May-88	18 A	858.6
04U012	880.2	23-Jun-88	18 A	854.5
04U012	880.2	27-Jul-88	19 A	853.4
04U012	880.2	30-Aug-88	19 F	855.3
04U012	880.2	01-Sep-88	19 A	854.1
04U012	880.2	21-Sep-88	19 A	854.4
04U012	880.2	14-Oct-88	20 A	855.1
04U012	880.2	25-Nov-88	20 F	855.6
04U012	880.2	02-Dec-88	20 A	855.6
04U012	880.2	13-Jan-89	21 A	856.0
04U012	880.2	31-Mar-89	21 A	856.3
04U012	880.2	07-Jul-89	23 A	853.3
04U012	880.2	05-Aug-89	23 F	852.5
04U012	880.2	05-Oct-89	24 A	852.9
04U012	880.2	02-Nov-89	24 F	853.4
04U012	880.2	21-Dec-89	24 A	853.7
04U012	880.2	11-Jan-90	25 A	853.9
04U012	880.2	16-May-90	26 A	853.5
04U012	880.2	16-Jul-90	27 A	853.4
04U012	880.2	28-Feb-91	30 A	854.7
04U012	880.2	03-Jun-91	31 A	855.0
04U012	880.2	03-Sep-91	32 A	853.7
04U012	880.2	27-Sep-91	32 A	854.7
04U012	880.2	06-Dec-91	33 A	856.0
04U012	880.2	24-Mar-92	34 A	856.6
04U012	880.2	01-Jun-92	35 A	856.0
04U012	880.2	01-Sep-92	36 A	855.1
04U012	880.2	08-Oct-92	37 A	856.1
04U012	880.2	02-Mar-93	38 A	857.2
04U012	880.2	10-Sep-93	40 A	858.8
04U012	880.2	01-Mar-94	42 A	860.2
04U012	880.2	02-Sep-94	44 A	858.4
04U020	954.8	17-Nov-87	16 A	854.2
04U020	954.8	24-Nov-87	16 A	854.0
04U020	954.8	30-Nov-87	16 A	854.0
04U020	954.8	14-Dec-87	16 A	854.0
04U020	954.8	11-Jan-88	17 A	853.6
04U020	954.8	27-Jan-88	17 F	853.4
04U020	954.8	14-Apr-88	18 F	854.4
04U020	954.8	02-May-88	18 A	854.4
04U020	954.8	20-May-88	18 A	853.9
04U020	954.8	23-Jun-88	18 A	852.0
04U020	954.8	27-Jul-88	19 A	852.2
04U020	954.8	30-Aug-88	19 F	849.7
04U020	954.8	01-Sep-88	19 A	850.2
04U020	954.8	21-Sep-88	19 A	850.1
04U020	954.8	14-Oct-88	20 A	850.0
04U020	954.8	25-Nov-88	20 F	850.5
04U020	954.8	02-Dec-88	20 A	850.7
04U020	954.8	13-Jan-89	21 A	850.7
04U020	954.8	31-Mar-89	21 A	849.0
04U020	954.8	07-Jul-89	23 A	846.9
04U020	954.8	05-Aug-89	23 F	846.5
04U020	954.8	05-Oct-89	24 A	846.1
04U020	954.8	04-Nov-89	24 F	846.7
04U020	954.8	21-Dec-89	24 A	846.3
04U020	954.8	11-Jan-90	25 A	846.2
04U020	954.8	16-May-90	26 A	846.3
04U020	954.8	16-Jul-90	27 A	846.1
04U020	954.8	28-Feb-91	30 A	846.9
04U020	954.8	03-Jun-91	31 A	846.9
04U020	954.8	03-Sep-91	32 A	846.3
04U020	954.8	27-Sep-91	32 A	846.6
04U020	954.8	06-Dec-91	33 A	847.9
04U020	954.8	24-Mar-92	34 A	848.5
04U020	954.8	01-Jun-92	35 A	849.0
04U020	954.8	01-Sep-92	36 A	848.4
04U020	954.8	08-Oct-92	37 A	848.8
04U020	954.8	02-Mar-93	38 A	849.7
04U020	954.8	10-Sep-93	40 A	851.1
04U020	954.8	01-Mar-94	42 A	852.8
04U020	954.8	02-Sep-94	44 A	851.6
04U027	967.2	17-Nov-87	16 A	853.2
04U027	967.2	24-Nov-87	16 A	853.1
04U027	967.2	30-Nov-87	16 A	853.2
04U027	967.2	14-Dec-87	16 A	853.1
04U027	967.2	14-Dec-87	16 F	853.4
04U027	967.2	27-Jan-88	17 F	853.5
04U027	967.2	14-Apr-88	18 F	854.4
04U027	967.2	02-May-88	18 A	853.5
04U027	967.2	20-May-88	18 A	853.0
04U027	967.2	23-Jun-88	18 A	851.8
04U027	967.2	27-Jul-88	19 A	850.4
04U027	967.2	30-Aug-88	19 F	849.5
04U027	967.2	01-Sep-88	19 A	849.5
04U027	967.2	21-Sep-88	19 A	849.2
04U027	967.2	14-Oct-88	20 A	849.0
04U027	967.2	25-Nov-88	20 F	850.0
04U027	967.2	02-Dec-88	20 A	849.9
04U027	967.2	13-Jan-89	21 A	850.1
04U027	967.2	31-Mar-89	21 A	847.9
04U027	967.2	05-Aug-89	23 F	846.3
04U027	967.2	05-Oct-89	24 A	845.5
04U027	967.2	06-Nov-89	24 F	845.6
04U027	967.2	21-Dec-89	24 A	845.4
04U027	967.2	11-Jan-90	25 A	845.2
04U027	967.2	16-May-90	26 A	845.2
04U027	967.2	28-Feb-91	30 A	845.7
04U027	967.2	27-Sep-91	32 A	845.3
04U027	967.2	24-Mar-92	34 A	847.3
04U027	967.2	08-Oct-92	37 A	847.9
04U027	967.2	02-Mar-93	38 A	848.8
04U027	967.2	10-Sep-93	40 A	849.9
04U027	967.2	01-Mar-94	42 A	851.7
04U027	967.2	02-Sep-94	44 A	850.6
04U077	912.1	17-Nov-87	16 A	849.1
04U077	912.1	24-Nov-87	16 A	848.8
04U077	912.1	30-Nov-87	16 A	848.9
04U077	912.1	14-Dec-87	16 A	846.6
04U077	912.1	14-Dec-87	16 F	847.3
04U077	912.1	11-Jan-88	17 A	849.0
04U077	912.1	27-Jan-88	17 F	849.3
04U077	912.1	13-Apr-88	18 F	852.4
04U077	912.1	02-May-88	18 A	849.1

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U077	912.1	20-May-88	18 A	848.5
04U077	912.1	23-Jun-88	18 A	847.2
04U077	912.1	27-Jul-88	19 A	847.2
04U077	912.1	30-Aug-88	19 F	846.2
04U077	912.1	01-Sep-88	19 A	846.2
04U077	912.1	21-Sep-88	19 A	845.1
04U077	912.1	14-Oct-88	20 A	845.5
04U077	912.1	25-Nov-88	20 F	847.7
04U077	912.1	02-Dec-88	20 A	847.4
04U077	912.1	05-Aug-89	23 F	841.2
04U077	912.1	05-Oct-89	24 A	840.2
04U077	912.1	02-Nov-89	24 F	840.7
04U077	912.1	21-Dec-89	24 A	839.4
04U077	912.1	11-Jan-90	25 A	839.4
04U077	912.1	23-Apr-90	26 F	851.3
04U077	912.1	16-May-90	26 A	839.5
04U077	912.1	19-Jul-90	27 F	851.3
04U077	912.1	28-Feb-91	30 A	840.0
04U077	912.1	27-Sep-91	32 A	839.5
04U077	912.1	24-Mar-92	34 A	841.5
04U077	912.1	08-Oct-92	37 A	841.9
04U077	912.1	02-Mar-93	38 A	842.8
04U077	912.1	10-Sep-93	40 A	844.2
04U077	912.1	01-Mar-94	42 A	845.8
04U077	912.1	02-Sep-94	44 A	844.3
04U510	911.0	14-Dec-87	16 F	867.9
04U510	911.0	27-Jan-88	17 F	868.1
04U510	911.0	13-Apr-88	18 F	867.0
04U510	911.0	02-May-88	18 A	864.2
04U510	911.0	20-May-88	18 A	863.7
04U510	911.0	27-Jul-88	19 A	857.0
04U510	911.0	30-Aug-88	19 F	861.4
04U510	911.0	01-Sep-88	19 A	858.9
04U510	911.0	21-Sep-88	19 A	859.4
04U510	911.0	14-Oct-88	20 A	860.0
04U510	911.0	25-Nov-88	20 F	863.5
04U510	911.0	02-Dec-88	20 A	861.0
04U510	911.0	13-Jan-89	21 A	861.1
04U510	911.0	31-Mar-89	21 A	862.1
04U510	911.0	05-Aug-89	23 F	860.1
04U510	911.0	05-Oct-89	24 A	858.5
04U510	911.0	04-Nov-89	24 F	861.9
04U510	911.0	21-Dec-89	24 A	859.3
04U510	911.0	11-Jan-90	25 A	859.4
04U510	911.0	23-Apr-90	26 F	859.3
04U510	911.0	16-May-90	26 A	859.1
04U510	911.0	28-Feb-91	30 A	860.6
04U510	911.0	28-Mar-91	30 F	863.2
04U510	911.0	27-Sep-91	32 A	860.8
04U510	911.0	24-Mar-92	34 A	862.6
04U510	911.0	25-Mar-92	34 F	867.0
04U510	911.0	08-Oct-92	37 A	862.2
04U510	911.0	02-Mar-93	38 A	863.1
04U510	911.0	02-Mar-93	38 F	866.1
04U510	911.0	10-Sep-93	40 A	865.0
04U510	911.0	01-Mar-94	42 A	865.8
04U510	911.0	11-Mar-94	42 F	868.9
04U510	911.0	02-Sep-94	44 A	864.0
04U673	897.8	17-Nov-87	16 A	844.8
04U673	897.8	24-Nov-87	16 A	845.5
04U673	897.8	30-Nov-87	16 A	845.8
04U673	897.8	14-Dec-87	16 A	845.3
04U673	897.8	14-Dec-87	16 F	845.4
04U673	897.8	11-Jan-88	17 A	845.5
04U673	897.8	27-Jan-88	17 F	845.6
04U673	897.8	13-Apr-88	18 F	846.9
04U673	897.8	02-May-88	18 A	845.8
04U673	897.8	20-May-88	18 A	845.4
04U673	897.8	23-Jun-88	18 A	843.9
04U673	897.8	27-Jul-88	19 A	842.9
04U673	897.8	30-Aug-88	19 F	842.2
04U673	897.8	01-Sep-88	19 A	842.1
04U673	897.8	21-Sep-88	19 A	841.8
04U673	897.8	14-Oct-88	20 A	842.1
04U673	897.8	25-Nov-88	20 F	842.9
04U673	897.8	02-Dec-88	20 A	842.5
04U673	897.8	13-Jan-89	21 A	838.9
04U673	897.8	31-Mar-89	21 A	840.9
04U673	897.8	03-May-89	22 F	840.0
04U673	897.8	07-Jul-89	23 A	839.2
04U673	897.8	05-Aug-89	23 F	839.3
04U673	897.8	05-Oct-89	24 A	838.9
04U673	897.8	03-Nov-89	24 F	838.6
04U673	897.8	21-Dec-89	24 A	838.3
04U673	897.8	11-Jan-90	25 A	838.5
04U673	897.8	16-May-90	26 A	838.5
04U673	897.8	16-Jul-90	27 A	838.0
04U673	897.8	28-Feb-91	30 A	838.5
04U673	897.8	03-Jun-91	31 A	838.2
04U673	897.8	03-Sep-91	32 A	837.6
04U673	897.8	27-Sep-91	32 A	837.9
04U673	897.8	06-Dec-91	33 A	839.1
04U673	897.8	24-Mar-92	34 A	840.2
04U673	897.8	01-Jun-92	35 A	839.1
04U673	897.8	01-Sep-92	36 A	839.5
04U673	897.8	08-Oct-92	37 A	839.8
04U673	897.8	02-Mar-93	38 A	840.6
04U673	897.8	10-Sep-93	40 A	841.8
04U673	897.8	01-Mar-94	42 A	843.4
04U673	897.8	30-Mar-94	42 A	843.2
04U673	897.8	31-Mar-94	42 A	843.5
04U673	897.8	10-Apr-94	43 A	843.3
04U673	897.8	17-Apr-94	43 A	843.2
04U673	897.8	18-Apr-94	43 A	844.0
04U673	897.8	18-Apr-94	43 A	844.1
04U673	897.8	18-Apr-94	43 A	844.1
04U673	897.8	19-Apr-94	43 A	843.3
04U673	897.8	20-Apr-94	43 A	843.3
04U673	897.8	21-Apr-94	43 A	843.3
04U673	897.8	22-Apr-94	43 A	843.3
04U673	897.8	25-Apr-94	43 A	843.7
04U673	897.8	26-Apr-94	43 A	843.9
04U673	897.8	28-Apr-94	43 A	843.2
04U673	897.8	29-Apr-94	43 A	843.1
04U673	897.8	02-May-94	43 A	843.4
04U673	897.8	09-May-94	43 A	843.4
04U673	897.8	16-May-94	43 A	843.1
04U673	897.8	23-May-94	43 A	843.3
04U673	897.8	20-Jun-94	43 A	843.0
04U673	897.8	19-Jul-94	44 A	843.9
04U673	897.8	02-Sep-94	44 A	842.0
04U673	897.8	10-Oct-94	45 A	842.4
04U701	908.7	17-Nov-87	16 A	848.6
04U701	908.7	24-Nov-87	16 A	848.8
04U701	908.7	30-Nov-87	16 A	849.0
04U701	908.7	14-Dec-87	16 A	848.7
04U701	908.7	11-Jan-88	17 A	849.1
04U701	908.7	27-Jan-88	17 F	848.8
04U701	908.7	13-Apr-88	18 F	851.0
04U701	908.7	02-May-88	18 A	849.1
04U701	908.7	20-May-88	18 A	848.5
04U701	908.7	23-Jun-88	18 A	846.8
04U701	908.7	27-Jul-88	19 A	846.5
04U701	908.7	30-Aug-88	19 F	845.2
04U701	908.7	01-Sep-88	19 A	845.6
04U701	908.7	21-Sep-88	19 A	845.0
04U701	908.7	14-Oct-88	20 A	845.4
04U701	908.7	25-Nov-88	20 F	847.0
04U701	908.7	02-Dec-88	20 A	846.7
04U701	908.7	13-Jan-89	21 A	846.8
04U701	908.7	31-Mar-89	21 A	842.7
04U701	908.7	05-Aug-89	23 F	840.1
04U701	908.7	05-Oct-89	24 A	839.6
04U701	908.7	03-Nov-89	24 F	839.7
04U701	908.7	21-Dec-89	24 A	838.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U701	908.7	11-Jan-90	25 A	839.1
04U701	908.7	16-May-90	26 A	839.2
04U701	908.7	28-Feb-91	30 A	839.6
04U701	908.7	27-Sep-91	32 A	839.0
04U701	908.7	24-Mar-92	34 A	840.9
04U701	908.7	08-Oct-92	37 A	841.3
04U701	908.7	02-Mar-93	38 A	842.1
04U701	908.7	10-Sep-93	40 A	843.4
04U701	908.7	01-Mar-94	42 A	845.1
04U701	908.7	02-Sep-94	44 A	843.6
04U702	907.9	17-Nov-87	16 A	848.9
04U702	907.9	24-Nov-87	16 A	849.0
04U702	907.9	30-Nov-87	16 A	849.3
04U702	907.9	14-Dec-87	16 A	849.0
04U702	907.9	11-Jan-88	17 A	849.5
04U702	907.9	27-Jan-88	17 F	849.1
04U702	907.9	13-Apr-88	18 F	851.0
04U702	907.9	02-May-88	18 A	849.4
04U702	907.9	20-May-88	18 A	848.7
04U702	907.9	23-Jun-88	18 A	847.0
04U702	907.9	27-Jul-88	19 A	846.6
04U702	907.9	30-Aug-88	19 F	845.4
04U702	907.9	01-Sep-88	19 A	845.5
04U702	907.9	21-Sep-88	19 A	845.2
04U702	907.9	14-Oct-88	20 A	845.4
04U702	907.9	25-Nov-88	20 F	846.7
04U702	907.9	02-Dec-88	20 A	846.7
04U702	907.9	13-Jan-89	21 A	846.9
04U702	907.9	31-Mar-89	21 A	842.7
04U702	907.9	05-Aug-89	23 F	840.8
04U702	907.9	05-Oct-89	24 A	840.4
04U702	907.9	03-Nov-89	24 F	840.4
04U702	907.9	21-Dec-89	24 A	840.1
04U702	907.9	11-Jan-90	25 A	840.0
04U702	907.9	16-May-90	26 A	840.0
04U702	907.9	28-Feb-91	30 A	840.4
04U702	907.9	27-Sep-91	32 A	839.8
04U702	907.9	24-Mar-92	34 A	841.7
04U702	907.9	08-Oct-92	37 A	842.0
04U702	907.9	02-Mar-93	38 A	843.0
04U702	907.9	10-Sep-93	40 A	844.3
04U702	907.9	01-Mar-94	42 A	845.9
04U702	907.9	02-Sep-94	44 A	844.4
04U708	919.3	17-Nov-87	16 A	849.8
04U708	919.3	24-Nov-87	16 A	849.5
04U708	919.3	30-Nov-87	16 A	849.6
04U708	919.3	14-Dec-87	16 A	849.5
04U708	919.3	11-Jan-88	17 A	849.8
04U708	919.3	27-Jan-88	17 F	849.6
04U708	919.3	13-Apr-88	18 F	852.2
04U708	919.3	02-May-88	18 A	850.0
04U708	919.3	20-May-88	18 A	849.5
04U708	919.3	23-Jun-88	18 A	848.5
04U708	919.3	27-Jul-88	19 A	847.4
04U708	919.3	30-Aug-88	19 F	847.1
04U708	919.3	01-Sep-88	19 A	847.0
04U708	919.3	21-Sep-88	19 A	846.8
04U708	919.3	14-Oct-88	20 A	846.2
04U708	919.3	25-Nov-88	20 F	847.4
04U708	919.3	02-Dec-88	20 A	847.8
04U708	919.3	13-Jan-89	21 A	847.2
04U708	919.3	31-Mar-89	21 A	844.1
04U708	919.3	05-Aug-89	23 F	842.0
04U708	919.3	05-Oct-89	24 A	841.7
04U708	919.3	02-Nov-89	24 F	841.4
04U708	919.3	21-Dec-89	24 A	841.0
04U708	919.3	11-Jan-90	25 A	840.8
04U708	919.3	16-May-90	26 A	841.0
04U708	919.3	28-Feb-91	30 A	841.5
04U708	919.3	27-Sep-91	32 A	841.0
04U708	919.3	24-Mar-92	34 A	842.9
04U708	919.3	08-Oct-92	37 A	843.6
04U708	919.3	02-Mar-93	38 A	844.5
04U708	919.3	10-Sep-93	40 A	845.8
04U708	919.3	01-Mar-94	42 A	847.4
04U708	919.3	02-Sep-94	44 A	846.1
04U709	910.0	17-Nov-87	16 A	849.5
04U709	910.0	24-Nov-87	16 A	849.5
04U709	910.0	30-Nov-87	16 A	850.2
04U709	910.0	14-Dec-87	16 A	849.7
04U709	910.0	15-Dec-87	16 F	849.7
04U709	910.0	11-Jan-88	17 A	850.0
04U709	910.0	27-Jan-88	17 F	849.6
04U709	910.0	13-Apr-88	18 F	852.6
04U709	910.0	02-May-88	18 A	850.1
04U709	910.0	20-May-88	18 A	849.5
04U709	910.0	23-Jun-88	18 A	848.6
04U709	910.0	27-Jul-88	19 A	847.8
04U709	910.0	30-Aug-88	19 F	847.3
04U709	910.0	01-Sep-88	19 A	847.3
04U709	910.0	21-Sep-88	19 A	846.9
04U709	910.0	14-Oct-88	20 A	846.3
04U709	910.0	25-Nov-88	20 F	848.0
04U709	910.0	02-Dec-88	20 A	848.1
04U709	910.0	13-Jan-89	21 A	847.6
04U709	910.0	31-Mar-89	21 A	844.1
04U709	910.0	05-Aug-89	23 F	841.5
04U709	910.0	05-Oct-89	24 A	841.1
04U709	910.0	02-Nov-89	24 F	840.9
04U709	910.0	21-Dec-89	24 A	841.4
04U709	910.0	11-Jan-90	25 A	840.3
04U709	910.0	16-May-90	26 A	840.4
04U709	910.0	28-Feb-91	30 A	840.8
04U709	910.0	27-Sep-91	32 A	840.4
04U709	910.0	24-Mar-92	34 A	842.3
04U709	910.0	08-Oct-92	37 A	842.5
04U709	910.0	02-Mar-93	38 A	843.4
04U709	910.0	10-Sep-93	40 A	844.7
04U709	910.0	01-Mar-94	42 A	846.3
04U709	910.0	02-Sep-94	44 A	844.9
04U711	906.6	17-Nov-87	16 A	849.4
04U711	906.6	24-Nov-87	16 A	849.4
04U711	906.6	30-Nov-87	16 A	849.4
04U711	906.6	14-Dec-87	16 A	849.2
04U711	906.6	15-Dec-87	16 F	849.1
04U711	906.6	11-Jan-88	17 A	850.1
04U711	906.6	28-Jan-88	17 F	849.3
04U711	906.6	13-Apr-88	18 F	851.7
04U711	906.6	02-May-88	18 A	849.6
04U711	906.6	20-May-88	18 A	849.0
04U711	906.6	23-Jun-88	18 A	847.8
04U711	906.6	27-Jul-88	19 A	848.0
04U711	906.6	30-Aug-88	19 F	845.9
04U711	906.6	21-Sep-88	19 A	845.6
04U711	906.6	14-Oct-88	20 A	846.0
04U711	906.6	25-Nov-88	20 F	847.4
04U711	906.6	02-Dec-88	20 A	847.3
04U711	906.6	13-Jan-89	21 A	847.1
04U711	906.6	31-Mar-89	21 A	843.2
04U711	906.6	07-Jul-89	23 A	841.6
04U711	906.6	05-Aug-89	23 F	841.7
04U711	906.6	05-Oct-89	24 A	841.1
04U711	906.6	03-Nov-89	24 F	841.0
04U711	906.6	21-Dec-89	24 A	840.6
04U711	906.6	11-Jan-90	25 A	840.3
04U711	906.6	16-May-90	26 A	840.7
04U711	906.6	16-Jul-90	27 A	841.3
04U711	906.6	28-Feb-91	30 A	840.9
04U711	906.6	03-Jun-91	31 A	840.7
04U711	906.6	03-Sep-91	32 A	841.1
04U711	906.6	27-Sep-91	32 A	841.2
04U711	906.6	06-Dec-91	33 A	842.9
04U711	906.6	24-Mar-92	34 A	843.4
04U711	906.6	01-Jun-92	35 A	842.6

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U711	906.6	01-Sep-92	36 A	842.2
04U711	906.6	08-Oct-92	37 A	842.3
04U711	906.6	02-Mar-93	38 A	843.2
04U711	906.6	10-Sep-93	40 A	844.4
04U711	906.6	01-Mar-94	42 A	846.1
04U711	906.6	02-Sep-94	44 A	844.5
04U713	895.5	02-Dec-88	20 A	848.5
04U713	895.5	13-Jan-89	21 A	848.5
04U713	895.5	31-Mar-89	21 A	844.2
04U713	895.5	07-Jul-89	23 A	842.6
04U713	895.5	05-Oct-89	24 A	842.7
04U713	895.5	21-Dec-89	24 A	842.0
04U713	895.5	11-Jan-90	25 A	842.0
04U713	895.5	16-May-90	26 A	842.2
04U713	895.5	16-Jul-90	27 A	842.0
04U713	895.5	28-Feb-91	30 A	842.8
04U713	895.5	03-Jun-91	31 A	842.6
04U713	895.5	03-Sep-91	32 A	841.9
04U713	895.5	27-Sep-91	32 A	842.2
04U713	895.5	06-Dec-91	33 A	843.5
04U713	895.5	24-Mar-92	34 A	844.2
04U713	895.5	01-Jun-92	35 A	844.3
04U713	895.5	01-Sep-92	36 A	843.8
04U713	895.5	08-Oct-92	37 A	844.2
04U713	895.5	02-Mar-93	38 A	845.2
04U713	895.5	10-Sep-93	40 A	846.5
04U713	895.5	01-Mar-94	42 A	848.2
04U713	895.5	02-Sep-94	44 A	846.8
04U714	891.5	02-Dec-88	20 A	846.8
04U714	891.5	13-Jan-89	21 A	853.7
04U714	891.5	31-Mar-89	21 A	850.1
04U714	891.5	07-Jul-89	23 A	848.0
04U714	891.5	05-Oct-89	24 A	847.8
04U714	891.5	21-Dec-89	24 A	847.5
04U714	891.5	11-Jan-90	25 A	847.6
04U714	891.5	16-May-90	26 A	847.8
04U714	891.5	16-Jul-90	27 A	847.6
04U714	891.5	28-Feb-91	30 A	848.3
04U714	891.5	03-Jun-91	31 A	848.1
04U714	891.5	03-Sep-91	32 A	847.2
04U714	891.5	27-Sep-91	32 A	847.7
04U714	891.5	06-Dec-91	33 A	849.0
04U714	891.5	24-Mar-92	34 A	849.5
04U714	891.5	01-Jun-92	35 A	849.3
04U714	891.5	01-Sep-92	36 A	848.9
04U714	891.5	08-Oct-92	37 A	842.7
04U714	891.5	02-Mar-93	38 A	843.8
04U714	891.5	10-Sep-93	40 A	845.2
04U714	891.5	01-Mar-94	42 A	847.2
04U714	891.5	02-Sep-94	44 A	845.2
04U802	903.0	17-Nov-87	16 A	849.2
04U802	903.0	24-Nov-87	16 A	849.1
04U802	903.0	30-Nov-87	16 A	849.1
04U802	903.0	14-Dec-87	16 F	848.8
04U802	903.0	11-Jan-88	17 A	849.3
04U802	903.0	26-Jan-88	17 F	849.0
04U802	903.0	13-Apr-88	18 F	850.9
04U802	903.0	02-May-88	18 A	849.4
04U802	903.0	20-May-88	18 A	848.9
04U802	903.0	23-Jun-88	18 A	847.7
04U802	903.0	27-Jul-88	19 A	846.8
04U802	903.0	30-Aug-88	19 F	845.8
04U802	903.0	21-Sep-88	19 A	845.3
04U802	903.0	14-Oct-88	20 A	845.5
04U802	903.0	25-Nov-88	20 F	846.4
04U802	903.0	02-Dec-88	20 A	846.2
04U802	903.0	13-Jan-89	21 A	846.1
04U802	903.0	31-Mar-89	21 A	843.6
04U802	903.0	03-Aug-89	23 F	842.2
04U802	903.0	05-Oct-89	24 A	841.5
04U802	903.0	03-Nov-89	24 F	841.4
04U802	903.0	21-Dec-89	24 A	841.2
04U802	903.0	11-Jan-90	25 A	841.2
04U802	903.0	16-May-90	26 A	841.2
04U802	903.0	16-Jul-90	27 A	840.8
04U802	903.0	28-Feb-91	30 A	841.5
04U802	903.0	03-Jun-91	31 A	841.2
04U802	903.0	03-Sep-91	32 A	840.7
04U802	903.0	27-Sep-91	32 A	841.0
04U802	903.0	06-Dec-91	33 A	842.2
04U802	903.0	24-Mar-92	34 A	842.8
04U802	903.0	01-Jun-92	35 A	843.2
04U802	903.0	01-Sep-92	36 A	842.9
04U802	903.0	08-Oct-92	37 A	843.9
04U802	903.0	02-Mar-93	38 A	844.7
04U802	903.0	10-Sep-93	40 A	845.9
04U802	903.0	01-Mar-94	42 A	847.5
04U802	903.0	02-Sep-94	44 A	846.4
04U806	909.6	17-Nov-87	16 A	848.6
04U806	909.6	24-Nov-87	16 A	848.9
04U806	909.6	30-Nov-87	16 A	848.5
04U806	909.6	14-Dec-87	16 F	848.3
04U806	909.6	11-Jan-88	17 A	849.2
04U806	909.6	27-Jan-88	17 F	848.1
04U806	909.6	13-Apr-88	18 F	850.4
04U806	909.6	02-May-88	18 A	848.6
04U806	909.6	20-May-88	18 A	848.0
04U806	909.6	23-Jun-88	18 A	846.4
04U806	909.6	27-Jul-88	19 A	846.0
04U806	909.6	30-Aug-88	19 F	844.8
04U806	909.6	01-Sep-88	19 A	845.3
04U806	909.6	21-Sep-88	19 A	844.6
04U806	909.6	14-Oct-88	20 A	845.0
04U806	909.6	25-Nov-88	20 F	846.2
04U806	909.6	02-Dec-88	20 A	846.2
04U806	909.6	13-Jan-89	21 A	846.2
04U806	909.6	31-Mar-89	21 A	842.3
04U806	909.6	07-Jul-89	23 A	840.4
04U806	909.6	03-Aug-89	23 F	840.5
04U806	909.6	05-Oct-89	24 A	840.0
04U806	909.6	03-Nov-89	24 F	840.1
04U806	909.6	21-Dec-89	24 A	839.5
04U806	909.6	11-Jan-90	25 A	839.8
04U806	909.6	16-May-90	26 A	839.9
04U806	909.6	16-Jul-90	27 A	839.4
04U806	909.6	28-Feb-91	30 A	840.2
04U806	909.6	03-Jun-91	31 A	839.9
04U806	909.6	03-Sep-91	32 A	839.2
04U806	909.6	27-Sep-91	32 A	839.5
04U806	909.6	06-Dec-91	33 A	840.8
04U806	909.6	24-Mar-92	34 A	841.5
04U806	909.6	01-Jun-92	35 A	841.5
04U806	909.6	01-Sep-92	36 A	841.1
04U806	909.6	08-Oct-92	37 A	841.4
04U806	909.6	02-Mar-93	38 A	842.4
04U806	909.6	10-Sep-93	40 A	843.7
04U806	909.6	01-Mar-94	42 A	845.3
04U806	909.6	02-Sep-94	44 A	843.8
04U821	877.6	14-Dec-87	16 F	837.7
04U821	877.6	26-Jan-88	17 F	837.9
04U821	877.6	13-Apr-88	18 F	838.4
04U821	877.6	30-Aug-88	19 F	833.8
04U821	877.6	25-Nov-88	20 F	835.2
04U821	877.6	06-Aug-89	23 F	831.1
04U821	877.6	03-Nov-89	24 F	831.6
04U821	877.6	19-Apr-90	26 F	831.9
04U821	877.6	23-Jul-90	27 F	830.7
04U821	877.6	20-Sep-90	28 F	830.6
04U821	877.6	21-Mar-91	30 F	831.4
04U821	877.6	04-Jun-91	31 F	830.9
04U821	877.6	04-Sep-91	32 F	829.5
04U821	877.6	20-Mar-92	34 F	833.5
04U821	877.6	03-Jun-92	35 F	832.7

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U821	877.6	03-Sep-92	36 F	831.7
04U821	877.6	03-Mar-93	38 F	833.0
04U821	877.6	09-Sep-93	40 F	834.2
04U821	877.6	18-Mar-94	42 F	836.5
04U821	877.6	12-Sep-94	44 F	834.1
04U832	883.8	14-Dec-87	16 F	837.4
04U832	883.8	26-Jan-88	17 F	836.8
04U832	883.8	13-Apr-88	18 F	837.8
04U832	883.8	30-Aug-88	19 F	833.0
04U832	883.8	25-Nov-88	20 F	834.6
04U832	883.8	07-Aug-89	23 F	830.3
04U832	883.8	03-Nov-89	24 F	831.2
04U832	883.8	25-Apr-90	26 F	831.4
04U832	883.8	20-Mar-91	30 F	831.0
04U832	883.8	25-Mar-92	34 F	833.4
04U832	883.8	12-Mar-93	38 F	831.7
04U832	883.8	30-Mar-94	42 A	834.5
04U832	883.8	31-Mar-94	42 A	834.7
04U832	883.8	10-Apr-94	43 A	834.8
04U832	883.8	17-Apr-94	43 A	835.3
04U832	883.8	18-Apr-94	43 A	835.3
04U832	883.8	18-Apr-94	43 A	835.3
04U832	883.8	18-Apr-94	43 A	835.1
04U832	883.8	19-Apr-94	43 A	834.6
04U832	883.8	20-Apr-94	43 A	834.7
04U832	883.8	21-Apr-94	43 A	834.9
04U832	883.8	22-Apr-94	43 A	835.0
04U832	883.8	25-Apr-94	43 A	835.1
04U832	883.8	26-Apr-94	43 A	835.2
04U832	883.8	28-Apr-94	43 A	834.5
04U832	883.8	29-Apr-94	43 A	834.6
04U832	883.8	02-May-94	43 A	835.0
04U832	883.8	09-May-94	43 A	834.8
04U832	883.8	16-May-94	43 A	834.2
04U832	883.8	23-May-94	43 A	834.0
04U832	883.8	20-Jun-94	43 A	833.2
04U832	883.8	19-Jul-94	44 A	833.1
04U832	883.8	10-Oct-94	45 A	832.4
04U833	908.3	01-Mar-94	42 A	845.2
04U833	908.3	02-Sep-94	44 A	843.6
04U834	877.6	23-Mar-94	42 F	742.7
04U834	877.6	10-Jun-94	43 F	738.4
04U841	911.5	26-Jan-88	17 F	845.8
04U841	911.5	13-Apr-88	18 F	847.1
04U841	911.5	30-Aug-88	19 F	842.2
04U841	911.5	25-Nov-88	20 F	843.2
04U841	911.5	06-Aug-89	23 F	838.8
04U841	911.5	03-Nov-89	24 F	838.7
04U841	911.5	16-May-90	26 A	838.8
04U841	911.5	20-Mar-91	30 F	838.7
04U841	911.5	19-Mar-92	34 F	840.6
04U841	911.5	10-Mar-93	38 F	839.8
04U841	911.5	10-Sep-93	40 F	841.9
04U841	911.5	17-Mar-94	42 F	844.6
04U841	911.5	30-Mar-94	42 A	842.6
04U841	911.5	31-Mar-94	42 A	842.9
04U841	911.5	10-Apr-94	43 A	842.7
04U841	911.5	17-Apr-94	43 A	842.5
04U841	911.5	18-Apr-94	43 A	843.4
04U841	911.5	18-Apr-94	43 A	843.5
04U841	911.5	18-Apr-94	43 A	843.5
04U841	911.5	19-Apr-94	43 A	842.6
04U841	911.5	20-Apr-94	43 A	842.6
04U841	911.5	21-Apr-94	43 A	842.6
04U841	911.5	22-Apr-94	43 A	842.7
04U841	911.5	25-Apr-94	43 A	843.0
04U841	911.5	26-Apr-94	43 A	843.2
04U841	911.5	28-Apr-94	43 A	842.5
04U841	911.5	29-Apr-94	43 A	842.4
04U841	911.5	02-May-94	43 A	842.7
04U841	911.5	09-May-94	43 A	842.7
04U841	911.5	16-May-94	43 A	842.4
04U841	911.5	23-May-94	43 A	842.6
04U841	911.5	20-Jun-94	43 A	842.2
04U841	911.5	19-Jul-94	44 A	843.6
04U841	911.5	10-Oct-94	45 A	841.7
04U843	886.1	14-Dec-87	16 F	837.6
04U843	886.1	26-Jan-88	17 F	837.8
04U843	886.1	13-Apr-88	18 F	838.3
04U843	886.1	30-Aug-88	19 F	833.8
04U843	886.1	25-Nov-88	20 F	835.0
04U843	886.1	06-Aug-89	23 F	831.1
04U843	886.1	03-Nov-89	24 F	831.5
04U843	886.1	25-Apr-90	26 F	831.7
04U843	886.1	21-Mar-91	30 F	831.4
04U843	886.1	20-Mar-92	34 F	833.4
04U843	886.1	03-Mar-93	38 F	833.0
04U843	886.1	18-Mar-94	42 F	836.5
04U844	884.5	14-Dec-87	16 F	836.1
04U844	884.5	26-Jan-88	17 F	836.3
04U844	884.5	13-Apr-88	18 F	836.6
04U844	884.5	30-Aug-88	19 F	831.9
04U844	884.5	25-Nov-88	20 F	833.4
04U844	884.5	04-May-89	22 F	830.7
04U844	884.5	06-Aug-89	23 F	839.4
04U844	884.5	03-Nov-89	24 F	830.1
04U844	884.5	25-Apr-90	26 F	830.3
04U844	884.5	23-Jul-90	27 F	829.1
04U844	884.5	17-Sep-90	28 F	828.8
04U844	884.5	19-Mar-91	30 F	830.7
04U844	884.5	23-Mar-92	34 F	832.1
04U844	884.5	04-Mar-93	38 F	831.5
04U844	884.5	30-Mar-94	42 A	834.4
04U844	884.5	31-Mar-94	42 A	834.7
04U844	884.5	10-Apr-94	43 A	834.7
04U844	884.5	17-Apr-94	43 A	834.8
04U844	884.5	18-Apr-94	43 A	835.2
04U844	884.5	18-Apr-94	43 A	835.1
04U844	884.5	18-Apr-94	43 A	835.2
04U844	884.5	19-Apr-94	43 A	834.5
04U844	884.5	20-Apr-94	43 A	834.6
04U844	884.5	21-Apr-94	43 A	834.8
04U844	884.5	22-Apr-94	43 A	834.8
04U844	884.5	25-Apr-94	43 A	835.0
04U844	884.5	26-Apr-94	43 A	835.0
04U844	884.5	28-Apr-94	43 A	834.4
04U844	884.5	29-Apr-94	43 A	834.5
04U844	884.5	02-May-94	43 A	834.9
04U844	884.5	09-May-94	43 A	834.7
04U844	884.5	16-May-94	43 A	834.1
04U844	884.5	23-May-94	43 A	833.9
04U844	884.5	08-Jun-94	43 F	832.6
04U844	884.5	20-Jun-94	43 A	833.2
04U844	884.5	19-Jul-94	44 A	833.2
04U844	884.5	10-Oct-94	45 A	832.3
04U845	894.5	14-Dec-87	16 F	838.1
04U845	894.5	13-Apr-88	18 F	838.7
04U845	894.5	30-Aug-88	19 F	833.9
04U845	894.5	25-Nov-88	20 F	835.3
04U845	894.5	04-May-89	22 F	834.2
04U845	894.5	06-Aug-89	23 F	831.2
04U845	894.5	03-Nov-89	24 F	831.7
04U845	894.5	26-Apr-90	26 F	831.9
04U845	894.5	20-Mar-91	30 F	831.5
04U845	894.5	16-Mar-92	34 F	833.9
04U845	894.5	04-Mar-93	38 F	833.3
04U845	894.5	31-Mar-94	42 A	836.5
04U845	894.5	10-Apr-94	43 A	836.4
04U845	894.5	17-Apr-94	43 A	836.4
04U845	894.5	18-Apr-94	43 A	837.0
04U845	894.5	18-Apr-94	43 A	836.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U845	894.5	18-Apr-94	43 A	837.0
04U845	894.5	19-Apr-94	43 A	836.3
04U845	894.5	20-Apr-94	43 A	836.4
04U845	894.5	21-Apr-94	43 A	836.5
04U845	894.5	22-Apr-94	43 A	836.5
04U845	894.5	25-Apr-94	43 A	836.8
04U845	894.5	26-Apr-94	43 A	836.8
04U845	894.5	28-Apr-94	43 A	836.2
04U845	894.5	29-Apr-94	43 A	836.3
04U845	894.5	02-May-94	43 A	836.7
04U845	894.5	09-May-94	43 A	836.5
04U845	894.5	16-May-94	43 A	835.9
04U845	894.5	23-May-94	43 A	835.8
04U845	894.5	20-Jun-94	43 A	835.2
04U845	894.5	19-Jul-94	44 A	835.3
04U845	894.5	10-Oct-94	45 A	834.2
04U846	888.4	14-Dec-87	16 F	832.8
04U846	888.4	26-Jan-88	17 F	833.0
04U846	888.4	13-Apr-88	18 F	833.2
04U846	888.4	30-Aug-88	19 F	828.8
04U846	888.4	25-Nov-88	20 F	830.1
04U846	888.4	28-Apr-89	22 F	829.0
04U846	888.4	06-Aug-89	23 F	826.6
04U846	888.4	02-Nov-89	24 F	827.1
04U846	888.4	27-Apr-90	26 F	827.4
04U846	888.4	18-Mar-91	30 F	826.7
04U846	888.4	25-Mar-92	34 F	829.0
04U846	888.4	04-Mar-93	38 F	828.7
04U846	888.4	21-Mar-94	42 F	832.0
04U846	888.4	30-Mar-94	42 A	831.9
04U846	888.4	31-Mar-94	42 A	832.0
04U846	888.4	10-Apr-94	43 A	832.1
04U846	888.4	17-Apr-94	43 A	832.3
04U846	888.4	18-Apr-94	43 A	832.1
04U846	888.4	18-Apr-94	43 A	831.9
04U846	888.4	18-Apr-94	43 A	832.6
04U846	888.4	19-Apr-94	43 A	831.5
04U846	888.4	20-Apr-94	43 A	832.2
04U846	888.4	21-Apr-94	43 A	832.3
04U846	888.4	22-Apr-94	43 A	832.2
04U846	888.4	25-Apr-94	43 A	832.3
04U846	888.4	26-Apr-94	43 A	832.0
04U846	888.4	28-Apr-94	43 A	831.3
04U846	888.4	29-Apr-94	43 A	831.9
04U846	888.4	02-May-94	43 A	832.2
04U846	888.4	09-May-94	43 A	831.7
04U846	888.4	16-May-94	43 A	831.2
04U846	888.4	23-May-94	43 A	830.9
04U846	888.4	20-Jun-94	43 A	830.1
04U846	888.4	19-Jul-94	44 A	829.7
04U846	888.4	10-Oct-94	45 A	829.4
04U847	914.9	14-Dec-87	16 F	845.4
04U847	914.9	26-Jan-88	17 F	845.6
04U847	914.9	13-Apr-88	18 F	847.0
04U847	914.9	30-Aug-88	19 F	841.9
04U847	914.9	25-Nov-88	20 F	843.1
04U847	914.9	03-May-89	22 F	839.4
04U847	914.9	06-Aug-89	23 F	838.6
04U847	914.9	03-Nov-89	24 F	838.1
04U847	914.9	26-Apr-90	26 F	838.2
04U847	914.9	16-May-90	26 A	834.0
04U847	914.9	20-Jul-90	27 F	837.7
04U847	914.9	17-Sep-90	28 F	837.3
04U847	914.9	28-Feb-91	30 A	838.4
04U847	914.9	20-Mar-91	30 F	838.3
04U847	914.9	04-Jun-91	31 F	837.9
04U847	914.9	03-Sep-91	32 A	838.4
04U847	914.9	04-Sep-91	32 F	836.6
04U847	914.9	27-Sep-91	32 A	837.7
04U847	914.9	19-Mar-92	34 F	839.8
04U847	914.9	24-Mar-92	34 A	839.6
04U847	914.9	04-Jun-92	35 F	839.7
04U847	914.9	03-Sep-92	36 F	838.1
04U847	914.9	08-Oct-92	37 A	839.9
04U847	914.9	02-Mar-93	38 A	840.9
04U847	914.9	10-Mar-93	38 F	840.8
04U847	914.9	10-Sep-93	40 A	842.2
04U847	914.9	10-Sep-93	40 F	841.8
04U847	914.9	01-Mar-94	42 A	843.8
04U847	914.9	17-Mar-94	42 F	844.2
04U847	914.9	02-Sep-94	44 A	842.2
04U847	914.9	12-Sep-94	44 F	841.8
04U848	902.6	14-Dec-87	16 F	844.7
04U848	902.6	26-Jan-88	17 F	844.8
04U848	902.6	13-Apr-88	18 F	846.0
04U848	902.6	30-Aug-88	19 F	841.4
04U848	902.6	25-Nov-88	20 F	842.1
04U848	902.6	03-May-89	22 F	838.4
04U848	902.6	06-Aug-89	23 F	838.2
04U848	902.6	03-Nov-89	24 F	837.9
04U848	902.6	19-Jul-90	27 F	837.6
04U848	902.6	17-Sep-90	28 F	836.9
04U848	902.6	18-Mar-91	30 F	837.6
04U848	902.6	18-Mar-92	34 F	839.8
04U848	902.6	10-Mar-93	38 F	839.5
04U848	902.6	30-Mar-94	42 A	842.2
04U848	902.6	31-Mar-94	42 A	842.6
04U848	902.6	10-Apr-94	43 A	842.4
04U848	902.6	17-Apr-94	43 A	842.2
04U848	902.6	18-Apr-94	43 A	843.1
04U848	902.6	18-Apr-94	43 A	843.2
04U848	902.6	18-Apr-94	43 A	843.1
04U848	902.6	19-Apr-94	43 A	842.3
04U848	902.6	20-Apr-94	43 A	842.3
04U848	902.6	21-Apr-94	43 A	842.3
04U848	902.6	22-Apr-94	43 A	842.4
04U848	902.6	25-Apr-94	43 A	842.8
04U848	902.6	26-Apr-94	43 A	843.0
04U848	902.6	28-Apr-94	43 A	842.2
04U848	902.6	29-Apr-94	43 A	842.2
04U848	902.6	02-May-94	43 A	842.4
04U848	902.6	09-May-94	43 A	842.5
04U848	902.6	16-May-94	43 A	842.1
04U848	902.6	23-May-94	43 A	842.4
04U848	902.6	20-Jun-94	43 A	841.9
04U848	902.6	19-Jul-94	44 A	843.0
04U848	902.6	10-Oct-94	45 A	841.3
04U849	873.0	14-Dec-87	16 F	832.7
04U849	873.0	26-Jan-88	17 F	832.9
04U849	873.0	13-Apr-88	18 F	833.1
04U849	873.0	30-Aug-88	19 F	828.7
04U849	873.0	25-Nov-88	20 F	829.8
04U849	873.0	06-Aug-89	23 F	824.5
04U849	873.0	03-Nov-89	24 F	824.6
04U849	873.0	18-Apr-90	26 F	827.5
04U849	873.0	18-Mar-91	30 F	826.7
04U849	873.0	25-Mar-92	34 F	828.4
04U849	873.0	04-Mar-93	38 F	828.8
04U849	873.0	21-Mar-94	42 F	831.8
04U850	916.8	14-Dec-87	16 F	832.4
04U850	916.8	26-Jan-88	17 F	832.6
04U850	916.8	13-Apr-88	18 F	829.8
04U850	916.8	30-Aug-88	19 F	828.5
04U850	916.8	25-Nov-88	20 F	829.7
04U850	916.8	29-Apr-89	22 F	823.6
04U850	916.8	06-Aug-89	23 F	826.4
04U850	916.8	02-Nov-89	24 F	826.8
04U850	916.8	18-Apr-90	26 F	827.1
04U850	916.8	15-Mar-91	30 F	826.3
04U850	916.8	26-Mar-92	34 F	828.3
04U850	916.8	04-Mar-93	38 F	828.3
04U850	916.8	22-Mar-94	42 F	831.7

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U851	913.4	14-Dec-87	16 F	832.0
04U851	913.4	26-Jan-88	17 F	832.2
04U851	913.4	13-Apr-88	18 F	832.3
04U851	913.4	30-Aug-88	19 F	827.5
04U851	913.4	25-Nov-88	20 F	829.3
04U851	913.4	06-Aug-89	23 F	824.9
04U851	913.4	03-Nov-89	24 F	825.1
04U851	913.4	17-Apr-90	26 F	826.7
04U851	913.4	18-Mar-91	30 F	825.9
04U851	913.4	27-Mar-92	34 F	828.1
04U851	913.4	05-Mar-93	38 F	828.5
04U851	913.4	30-Mar-94	42 A	831.3
04U851	913.4	31-Mar-94	42 A	831.4
04U851	913.4	10-Apr-94	43 A	831.6
04U851	913.4	17-Apr-94	43 A	831.8
04U851	913.4	18-Apr-94	43 A	832.1
04U851	913.4	18-Apr-94	43 A	831.4
04U851	913.4	18-Apr-94	43 A	831.7
04U851	913.4	19-Apr-94	43 A	831.0
04U851	913.4	20-Apr-94	43 A	831.5
04U851	913.4	21-Apr-94	43 A	831.7
04U851	913.4	22-Apr-94	43 A	831.7
04U851	913.4	25-Apr-94	43 A	831.8
04U851	913.4	26-Apr-94	43 A	831.7
04U851	913.4	28-Apr-94	43 A	830.8
04U851	913.4	29-Apr-94	43 A	830.9
04U851	913.4	02-May-94	43 A	831.6
04U851	913.4	09-May-94	43 A	831.3
04U851	913.4	16-May-94	43 A	830.6
04U851	913.4	23-May-94	43 A	830.2
04U851	913.4	20-Jun-94	43 A	829.2
04U851	913.4	19-Jul-94	44 A	829.0
04U851	913.4	10-Oct-94	45 A	828.9
04U852	902.9	14-Dec-87	16 F	829.3
04U852	902.9	26-Jan-88	17 F	829.6
04U852	902.9	13-Apr-88	18 F	829.5
04U852	902.9	30-Aug-88	19 F	824.4
04U852	902.9	25-Nov-88	20 F	827.0
04U852	902.9	06-Aug-89	23 F	821.6
04U852	902.9	03-Nov-89	24 F	822.3
04U852	902.9	19-Apr-90	26 F	824.6
04U852	902.9	18-Mar-91	30 F	823.5
04U852	902.9	27-Mar-92	34 F	826.0
04U852	902.9	05-Mar-93	38 F	826.5
04U852	902.9	22-Mar-94	42 F	829.1
04U852	902.9	30-Mar-94	42 A	829.2
04U852	902.9	31-Mar-94	42 A	829.3
04U852	902.9	10-Apr-94	43 A	829.6
04U852	902.9	17-Apr-94	43 A	829.8
04U852	902.9	18-Apr-94	43 A	830.0
04U852	902.9	18-Apr-94	43 A	829.7
04U852	902.9	18-Apr-94	43 A	829.4
04U852	902.9	19-Apr-94	43 A	828.9
04U852	902.9	20-Apr-94	43 A	829.3
04U852	902.9	21-Apr-94	43 A	829.5
04U852	902.9	22-Apr-94	43 A	829.4
04U852	902.9	25-Apr-94	43 A	829.6
04U852	902.9	26-Apr-94	43 A	829.5
04U852	902.9	28-Apr-94	43 A	828.9
04U852	902.9	29-Apr-94	43 A	828.9
04U852	902.9	02-May-94	43 A	829.5
04U852	902.9	09-May-94	43 A	829.3
04U852	902.9	16-May-94	43 A	828.5
04U852	902.9	23-May-94	43 A	827.9
04U852	902.9	20-Jun-94	43 A	Obstructed
04U852	902.9	19-Jul-94	44 A	826.6
04U852	902.9	10-Oct-94	45 A	826.8
04U854	889.8	14-Dec-87	16 F	836.8
04U854	889.8	26-Jan-88	17 F	837.1
04U854	889.8	13-Apr-88	18 F	837.2
04U854	889.8	30-Aug-88	19 F	832.4
04U854	889.8	25-Nov-88	20 F	834.0
04U854	889.8	04-May-89	22 F	830.4
04U854	889.8	06-Aug-89	23 F	829.9
04U854	889.8	03-Nov-89	24 F	830.5
04U854	889.8	30-Apr-90	26 F	830.7
04U854	889.8	01-Apr-91	30 F	830.2
04U854	889.8	16-Mar-92	34 F	832.8
04U854	889.8	04-Mar-93	38 F	832.0
04U854	889.8	21-Mar-94	42 F	835.6
04U854	889.8	30-Mar-94	42 A	834.7
04U854	889.8	31-Mar-94	42 A	835.1
04U854	889.8	10-Apr-94	43 A	835.2
04U854	889.8	17-Apr-94	43 A	835.3
04U854	889.8	18-Apr-94	43 A	835.7
04U854	889.8	18-Apr-94	43 A	835.7
04U854	889.8	18-Apr-94	43 A	835.5
04U854	889.8	19-Apr-94	43 A	835.0
04U854	889.8	20-Apr-94	43 A	835.1
04U854	889.8	21-Apr-94	43 A	835.2
04U854	889.8	22-Apr-94	43 A	835.4
04U854	889.8	25-Apr-94	43 A	835.5
04U854	889.8	26-Apr-94	43 A	835.5
04U854	889.8	28-Apr-94	43 A	834.9
04U854	889.8	29-Apr-94	43 A	835.1
04U854	889.8	02-May-94	43 A	835.5
04U854	889.8	09-May-94	43 A	835.2
04U854	889.8	16-May-94	43 A	834.6
04U854	889.8	23-May-94	43 A	834.4
04U854	889.8	20-Jun-94	43 A	833.6
04U854	889.8	19-Jul-94	44 A	833.6
04U854	889.8	10-Oct-94	45 A	832.8
04U855	896.1	14-Dec-87	16 F	815.0
04U855	896.1	26-Jan-88	17 F	835.2
04U855	896.1	13-Apr-88	18 F	835.6
04U855	896.1	30-Aug-88	19 F	831.4
04U855	896.1	25-Nov-88	20 F	832.2
04U855	896.1	06-Aug-89	23 F	829.3
04U855	896.1	03-Nov-89	24 F	830.2
04U855	896.1	03-May-90	26 F	829.5
04U855	896.1	18-Mar-91	30 F	809.5
04U855	896.1	25-Mar-92	34 F	831.0
04U855	896.1	04-Mar-93	38 F	831.5
04U855	896.1	21-Mar-94	42 F	834.6
04U859	901.0	14-Dec-87	16 F	843.4
04U859	901.0	26-Jan-88	17 F	843.6
04U859	901.0	13-Apr-88	18 F	844.8
04U859	901.0	30-Aug-88	19 F	840.2
04U859	901.0	25-Nov-88	20 F	841.0
04U859	901.0	06-Aug-89	23 F	834.9
04U859	901.0	03-Nov-89	24 F	836.7
04U859	901.0	30-Apr-90	26 F	836.5
04U859	901.0	20-Mar-91	30 F	816.7
04U859	901.0	20-Mar-92	34 F	838.7
04U859	901.0	03-Mar-93	38 F	839.2
04U859	901.0	18-Mar-94	42 F	842.3
04U859	901.0	30-Mar-94	42 A	841.8
04U859	901.0	31-Mar-94	42 A	842.2
04U859	901.0	10-Apr-94	43 A	842.0
04U859	901.0	17-Apr-94	43 A	841.8
04U859	901.0	18-Apr-94	43 A	842.7
04U859	901.0	18-Apr-94	43 A	842.8
04U859	901.0	18-Apr-94	43 A	842.8
04U859	901.0	19-Apr-94	43 A	841.9
04U859	901.0	20-Apr-94	43 A	841.9
04U859	901.0	21-Apr-94	43 A	841.9
04U859	901.0	22-Apr-94	43 A	842.1
04U859	901.0	25-Apr-94	43 A	842.4
04U859	901.0	26-Apr-94	43 A	842.6
04U859	901.0	28-Apr-94	43 A	841.8
04U859	901.0	29-Apr-94	43 A	841.8
04U859	901.0	02-May-94	43 A	842.1
04U859	901.0	09-May-94	43 A	842.1
04U859	901.0	16-May-94	43 A	841.7

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U859	901.0	23-May-94	43 A	841.9
04U859	901.0	20-Jun-94	43 A	841.5
04U859	901.0	19-Jul-94	44 A	842.6
04U859	901.0	10-Oct-94	45 A	840.8
04U860	893.9	14-Dec-87	16 F	836.5
04U860	893.9	26-Jan-88	17 F	836.6
04U860	893.9	13-Apr-88	18 F	836.9
04U860	893.9	30-Aug-88	19 F	831.9
04U860	893.9	25-Nov-88	20 F	830.5
04U860	893.9	06-Aug-89	23 F	831.6
04U860	893.9	03-Nov-89	24 F	830.3
04U860	893.9	19-Apr-90	26 F	830.5
04U860	893.9	20-Mar-91	30 F	830.1
04U860	893.9	16-Mar-92	34 F	832.5
04U860	893.9	10-Mar-93	38 F	832.1
04U860	893.9	30-Mar-94	42 A	834.7
04U860	893.9	31-Mar-94	42 A	835.0
04U860	893.9	10-Apr-94	43 A	835.1
04U860	893.9	17-Apr-94	43 A	835.2
04U860	893.9	18-Apr-94	43 A	835.6
04U860	893.9	18-Apr-94	43 A	835.6
04U860	893.9	18-Apr-94	43 A	835.5
04U860	893.9	19-Apr-94	43 A	834.9
04U860	893.9	20-Apr-94	43 A	835.1
04U860	893.9	21-Apr-94	43 A	835.2
04U860	893.9	22-Apr-94	43 A	835.2
04U860	893.9	25-Apr-94	43 A	835.5
04U860	893.9	26-Apr-94	43 A	835.4
04U860	893.9	28-Apr-94	43 A	834.8
04U860	893.9	29-Apr-94	43 A	835.0
04U860	893.9	02-May-94	43 A	835.4
04U860	893.9	09-May-94	43 A	835.1
04U860	893.9	16-May-94	43 A	834.5
04U860	893.9	23-May-94	43 A	834.3
04U860	893.9	20-Jun-94	43 A	833.6
04U860	893.9	19-Jul-94	44 A	833.4
04U860	893.9	10-Oct-94	45 A	832.8
04U861	888.8	14-Dec-87	16 F	836.8
04U861	888.8	26-Jan-88	17 F	836.9
04U861	888.8	13-Apr-88	18 F	837.3
04U861	888.8	30-Aug-88	19 F	832.4
04U861	888.8	25-Nov-88	20 F	831.3
04U861	888.8	06-Aug-89	23 F	831.1
04U861	888.8	30-Apr-90	26 F	830.7
04U861	888.8	25-Mar-91	30 F	830.3
04U861	888.8	23-Mar-92	34 F	832.8
04U861	888.8	04-Mar-93	38 F	832.1
04U861	888.8	30-Mar-94	42 A	834.9
04U861	888.8	31-Mar-94	42 A	835.3
04U861	888.8	10-Apr-94	43 A	835.3
04U861	888.8	17-Apr-94	43 A	835.3
04U861	888.8	18-Apr-94	43 A	835.8
04U861	888.8	18-Apr-94	43 A	835.6
04U861	888.8	18-Apr-94	43 A	835.8
04U861	888.8	19-Apr-94	43 A	835.1
04U861	888.8	20-Apr-94	43 A	835.2
04U861	888.8	21-Apr-94	43 A	835.4
04U861	888.8	22-Apr-94	43 A	835.5
04U861	888.8	25-Apr-94	43 A	835.6
04U861	888.8	26-Apr-94	43 A	835.6
04U861	888.8	28-Apr-94	43 A	835.0
04U861	888.8	29-Apr-94	43 A	835.1
04U861	888.8	02-May-94	43 A	835.5
04U861	888.8	09-May-94	43 A	835.3
04U861	888.8	16-May-94	43 A	834.7
04U861	888.8	23-May-94	43 A	834.5
04U861	888.8	20-Jun-94	43 A	833.8
04U861	888.8	19-Jul-94	44 A	833.8
04U861	888.8	10-Oct-94	45 A	833.0
04U863	893.1	30-Mar-94	42 A	834.3
04U863	893.1	31-Mar-94	42 A	834.6
04U863	893.1	10-Apr-94	43 A	834.7
04U863	893.1	17-Apr-94	43 A	834.8
04U863	893.1	18-Apr-94	43 A	834.9
04U863	893.1	18-Apr-94	43 A	835.1
04U863	893.1	18-Apr-94	43 A	835.1
04U863	893.1	19-Apr-94	43 A	834.4
04U863	893.1	20-Apr-94	43 A	834.6
04U863	893.1	21-Apr-94	43 A	834.7
04U863	893.1	22-Apr-94	43 A	834.9
04U863	893.1	25-Apr-94	43 A	835.1
04U863	893.1	26-Apr-94	43 A	834.9
04U863	893.1	28-Apr-94	43 A	834.4
04U863	893.1	29-Apr-94	43 A	834.4
04U863	893.1	02-May-94	43 A	835.0
04U863	893.1	09-May-94	43 A	834.7
04U863	893.1	16-May-94	43 A	834.0
04U863	893.1	23-May-94	43 A	833.8
04U863	893.1	20-Jun-94	43 A	832.9
04U863	893.1	19-Jul-94	44 A	832.8
04U863	893.1	10-Oct-94	45 A	832.2
04U864	906.4	30-Mar-94	42 A	832.6
04U864	906.4	31-Mar-94	42 A	832.7
04U864	906.4	10-Apr-94	43 A	832.9
04U864	906.4	17-Apr-94	43 A	833.1
04U864	906.4	18-Apr-94	43 A	833.3
04U864	906.4	18-Apr-94	43 A	831.8
04U864	906.4	18-Apr-94	43 A	832.1
04U864	906.4	19-Apr-94	43 A	831.3
04U864	906.4	20-Apr-94	43 A	832.3
04U864	906.4	21-Apr-94	43 A	833.0
04U864	906.4	22-Apr-94	43 A	833.0
04U864	906.4	25-Apr-94	43 A	833.2
04U864	906.4	26-Apr-94	43 A	832.6
04U864	906.4	28-Apr-94	43 A	831.3
04U864	906.4	29-Apr-94	43 A	831.3
04U864	906.4	02-May-94	43 A	832.9
04U864	906.4	09-May-94	43 A	832.3
04U864	906.4	16-May-94	43 A	830.8
04U864	906.4	23-May-94	43 A	830.8
04U864	906.4	20-Jun-94	43 A	829.7
04U864	906.4	19-Jul-94	44 A	829.6
04U864	906.4	10-Oct-94	45 A	829.1
04U865	913.0	30-Mar-94	42 A	833.2
04U865	913.0	31-Mar-94	42 A	833.3
04U865	913.0	10-Apr-94	43 A	833.5
04U865	913.0	17-Apr-94	43 A	833.6
04U865	913.0	18-Apr-94	43 A	832.5
04U865	913.0	18-Apr-94	43 A	833.8
04U865	913.0	18-Apr-94	43 A	832.2
04U865	913.0	19-Apr-94	43 A	831.7
04U865	913.0	20-Apr-94	43 A	832.8
04U865	913.0	21-Apr-94	43 A	833.6
04U865	913.0	22-Apr-94	43 A	833.7
04U865	913.0	25-Apr-94	43 A	833.8
04U865	913.0	26-Apr-94	43 A	832.2
04U865	913.0	28-Apr-94	43 A	831.6
04U865	913.0	29-Apr-94	43 A	831.6
04U865	913.0	02-May-94	43 A	833.8
04U865	913.0	09-May-94	43 A	832.7
04U865	913.0	16-May-94	43 A	831.4
04U865	913.0	23-May-94	43 A	831.1
04U865	913.0	20-Jun-94	43 A	830.2
04U865	913.0	19-Jul-94	44 A	830.0
04U865	913.0	10-Oct-94	45 A	829.5
04U866	908.4	30-Mar-94	42 A	832.0
04U866	908.4	31-Mar-94	42 A	832.1
04U866	908.4	10-Apr-94	43 A	832.3
04U866	908.4	17-Apr-94	43 A	832.4
04U866	908.4	18-Apr-94	43 A	831.0
04U866	908.4	18-Apr-94	43 A	832.6
04U866	908.4	18-Apr-94	43 A	831.3

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U866	908.4	19-Apr-94	43 A	830.5
04U866	908.4	20-Apr-94	43 A	831.6
04U866	908.4	21-Apr-94	43 A	832.4
04U866	908.4	22-Apr-94	43 A	832.4
04U866	908.4	25-Apr-94	43 A	832.5
04U866	908.4	26-Apr-94	43 A	830.9
04U866	908.4	28-Apr-94	43 A	830.4
04U866	908.4	29-Apr-94	43 A	830.4
04U866	908.4	02-May-94	43 A	832.1
04U866	908.4	09-May-94	43 A	831.7
04U866	908.4	16-May-94	43 A	830.2
04U866	908.4	23-May-94	43 A	830.0
04U866	908.4	20-Jun-94	43 A	828.9
04U866	908.4	19-Jul-94	44 A	828.7
04U866	908.4	10-Oct-94	45 A	828.3
04U871	957.1	30-Aug-88	19 F	814.6
04U871	957.1	25-Nov-88	20 F	816.2
04U871	957.1	08-May-89	22 F	814.9
04U871	957.1	07-Aug-89	23 F	812.6
04U871	957.1	02-Nov-89	24 F	814.1
04U871	957.1	18-Apr-90	26 F	815.5
04U871	957.1	15-Mar-91	30 F	813.9
04U871	957.1	17-Mar-92	34 F	816.0
04U871	957.1	08-Mar-93	38 F	816.9
04U871	957.1	22-Mar-94	42 F	819.7
04U872	952.2	30-Aug-88	19 F	812.0
04U872	952.2	25-Nov-88	20 F	813.9
04U872	952.2	08-May-89	22 F	811.8
04U872	952.2	07-Aug-89	23 F	809.8
04U872	952.2	02-Nov-89	24 F	811.6
04U872	952.2	18-Apr-90	26 F	812.9
04U872	952.2	14-Mar-91	30 F	811.0
04U872	952.2	27-Mar-92	34 F	813.6
04U872	952.2	05-Mar-93	38 F	816.1
04U872	952.2	23-Mar-94	42 F	818.5
04U875	1013.6	30-Aug-88	19 F	812.6
04U875	1013.6	25-Nov-88	20 F	814.1
04U875	1013.6	07-Aug-89	23 F	810.7
04U875	1013.6	02-Nov-89	24 F	811.8
04U875	1013.6	17-Apr-90	26 F	813.8
04U875	1013.6	15-Mar-91	30 F	812.3
04U875	1013.6	18-Mar-92	34 F	814.7
04U875	1013.6	08-Mar-93	38 F	816.2
04U875	1013.6	24-Mar-94	42 F	818.1
04U877	920.9	30-Aug-88	19 F	828.5
04U877	920.9	25-Nov-88	20 F	829.7
04U877	920.9	29-Apr-89	22 F	827.4
04U877	920.9	07-Aug-89	23 F	826.5
04U877	920.9	02-Nov-89	24 F	826.7
04U877	920.9	18-Apr-90	26 F	827.1
04U877	920.9	15-Mar-91	30 F	826.2
04U877	920.9	17-Mar-92	34 F	828.3
04U877	920.9	08-Mar-93	38 F	828.0
04U877	920.9	22-Mar-94	42 F	831.7
04U877	920.9	30-Mar-94	42 A	831.3
04U877	920.9	31-Mar-94	42 A	831.3
04U877	920.9	10-Apr-94	43 A	831.6
04U877	920.9	17-Apr-94	43 A	831.8
04U877	920.9	18-Apr-94	43 A	831.3
04U877	920.9	18-Apr-94	43 A	832.0
04U877	920.9	18-Apr-94	43 A	831.5
04U877	920.9	19-Apr-94	43 A	831.0
04U877	920.9	20-Apr-94	43 A	831.5
04U877	920.9	21-Apr-94	43 A	831.7
04U877	920.9	22-Apr-94	43 A	831.6
04U877	920.9	25-Apr-94	43 A	831.8
04U877	920.9	26-Apr-94	43 A	831.6
04U877	920.9	28-Apr-94	43 A	830.6
04U877	920.9	29-Apr-94	43 A	830.8
04U877	920.9	02-May-94	43 A	831.5
04U877	920.9	09-May-94	43 A	831.1
04U877	920.9	16-May-94	43 A	830.6
04U877	920.9	23-May-94	43 A	830.3
04U877	920.9	20-Jun-94	43 A	829.3
04U877	920.9	19-Jul-94	44 A	829.0
04U877	920.9	10-Oct-94	45 A	828.8
04U879	945.6	30-Aug-88	19 F	826.9
04U879	945.6	25-Nov-88	20 F	827.2
04U879	945.6	07-Aug-89	23 F	825.4
04U879	945.6	02-Nov-89	24 F	825.1
04U879	945.6	18-Apr-90	26 F	825.9
04U879	945.6	15-Mar-91	30 F	824.8
04U879	945.6	26-Mar-92	34 F	826.6
04U879	945.6	04-Mar-93	38 F	827.0
04U879	945.6	22-Mar-94	42 F	830.2
04U880	972.0	30-Aug-88	19 F	806.7
04U880	972.0	25-Nov-88	20 F	808.4
04U880	972.0	07-Aug-89	23 F	806.2
04U880	972.0	02-Nov-89	24 F	806.8
04U880	972.0	18-Apr-90	26 F	809.3
04U880	972.0	14-Mar-91	30 F	808.7
04U880	972.0	18-Mar-92	34 F	810.8
04U880	972.0	05-Mar-93	38 F	813.3
04U880	972.0	24-Mar-94	42 F	815.0
04U881	976.5	25-Nov-88	20 F	807.3
04U881	976.5	07-Aug-89	23 F	802.1
04U881	976.5	02-Nov-89	24 F	803.6
04U881	976.5	17-Apr-90	26 F	813.7
04U881	976.5	14-Mar-91	30 F	807.1
04U881	976.5	28-Mar-92	34 F	810.4
04U881	976.5	08-Mar-93	38 F	811.5
04U881	976.5	23-Mar-94	42 F	814.0
04U882	917.7	25-Nov-88	20 F	800.8
04U882	917.7	03-May-89	22 F	800.1
04U882	917.7	02-Nov-89	24 F	798.6
04U882	917.7	17-Apr-90	26 F	802.5
04U882	917.7	14-Mar-91	30 F	802.7
04U882	917.7	18-Mar-92	34 F	806.1
04U882	917.7	05-Mar-93	38 F	808.1
04U882	917.7	10-Sep-93	40 F	804.2
04U882	917.7	23-Mar-94	42 F	809.1
04U882	917.7	12-Sep-94	44 F	803.8
04U883	948.6	25-Nov-88	20 F	799.9
04U883	948.6	07-Aug-89	23 F	788.0
04U883	948.6	02-Nov-89	24 F	796.0
04U883	948.6	17-Apr-90	26 F	799.7
04U883	948.6	14-Mar-91	30 F	800.6
04U883	948.6	27-Mar-92	34 F	804.3
04U883	948.6	05-Mar-93	38 F	806.3
04U883	948.6	24-Mar-94	42 F	808.0
1291501MW	997.5	15-Mar-94	42 F	857.8
1291501MW	997.5	08-Sep-94	44 F	856.8
191942	880.5	14-Dec-87	16 F	838.0
191942	880.5	26-Jan-88	17 F	838.2
191942	880.5	13-Apr-88	18 F	838.7
191942	880.5	30-Aug-88	19 F	834.0
191942	880.5	25-Nov-88	20 F	835.4
206688	1000.0	07-Aug-89	23 F	815.0
206688	1000.0	03-Nov-89	24 F	815.1
206797	1025.8	23-Jul-90	27 F	745.8
206797	1025.8	25-Mar-91	30 F	741.3
206797	1025.8	26-Mar-92	34 F	753.8
206797	1025.8	08-Mar-93	38 F	1024.7
234353	906.5	12-May-89	22 F	840.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
234425	914.0	11-May-89	22 F	841.1
234430	918.1	09-May-89	22 F	845.0
234463	945.7	08-May-89	22 F	892.3
409546	867.0	10-May-89	22 F	826.4
409546	867.0	06-Aug-89	23 F	825.3
409546	867.0	02-Nov-89	24 F	824.7
409546	867.0	03-May-90	26 F	826.1
409546	867.0	18-Mar-91	30 F	825.7
409546	867.0	25-Mar-92	34 F	827.6
409546	867.0	09-Mar-93	38 F	827.7
409546	867.0	21-Mar-94	42 F	830.0
409547	896.0	06-Aug-89	23 F	830.7
409547	896.0	02-Nov-89	24 F	830.6
409547	896.0	03-May-90	26 F	841.4
409547	896.0	20-Jul-90	27 F	830.4
409547	896.0	20-Sep-90	28 F	830.3
409547	896.0	20-Mar-91	30 F	831.0
409547	896.0	23-Mar-92	34 F	832.7
409547	896.0	04-Mar-93	38 F	832.6
409547	896.0	18-Mar-94	42 F	836.2
409548	867.0	06-Jan-00	22 F	825.5
409548	867.0	06-Aug-89	23 F	824.3
409548	867.0	02-Nov-89	24 F	825.3
409548	867.0	03-May-90	26 F	825.1
409548	867.0	18-Mar-91	30 F	824.5
409548	867.0	25-Mar-92	34 F	826.4
409548	867.0	09-Mar-93	38 F	826.5
409548	867.0	21-Mar-94	42 F	830.8
409549	920.0	06-Aug-89	23 F	825.2
409549	920.0	02-Nov-89	24 F	825.3
409549	920.0	03-May-90	26 F	825.8
409549	920.0	23-Jul-90	27 F	824.4
409549	920.0	20-Sep-90	28 F	824.3
409549	920.0	18-Mar-91	30 F	824.9
409549	920.0	05-Jun-91	31 F	824.5
409549	920.0	17-Mar-92	34 F	826.5
409549	920.0	04-Jun-92	35 F	825.9
409549	920.0	04-Sep-92	36 F	825.1
409549	920.0	09-Mar-93	38 F	826.7
409549	920.0	09-Sep-93	40 F	827.9
409549	920.0	21-Mar-94	42 F	830.1
409550	912.0	17-Nov-87	16 A	847.0
409550	912.0	24-Nov-87	16 A	846.8
409550	912.0	30-Nov-87	16 A	846.9
409550	912.0	14-Dec-87	16 A	847.0
409550	912.0	11-Jan-88	17 A	847.4
409550	912.0	02-May-88	18 A	846.8
409550	912.0	20-May-88	18 A	846.3
409550	912.0	23-Jun-88	18 A	844.2
409550	912.0	27-Jul-88	19 A	843.4
409550	912.0	01-Sep-88	19 A	843.0
409550	912.0	21-Sep-88	19 A	842.8
409550	912.0	14-Oct-88	20 A	843.1
409550	912.0	13-Jan-89	21 A	844.1
409550	912.0	31-Mar-89	21 A	841.3
409550	912.0	10-May-89	22 F	838.6
409550	912.0	06-Aug-89	23 F	839.1
409550	912.0	05-Oct-89	24 A	839.1
409550	912.0	02-Nov-89	24 F	839.1
409550	912.0	21-Dec-89	24 A	838.6
409550	912.0	11-Jan-90	25 A	839.0
409550	912.0	03-May-90	26 F	838.7
409550	912.0	16-May-90	26 A	839.0
409550	912.0	20-Jul-90	27 F	838.3
409550	912.0	20-Sep-90	28 F	838.0
409550	912.0	28-Feb-91	30 A	839.3
409550	912.0	21-Mar-91	30 F	839.0
409550	912.0	27-Sep-91	32 A	838.6
409550	912.0	19-Mar-92	34 F	840.4
409550	912.0	24-Mar-92	34 A	840.5
409550	912.0	08-Oct-92	36 A	840.8
409550	912.0	03-Mar-93	38 F	841.3
409550	912.0	10-Sep-93	40 F	842.4
409550	912.0	17-Mar-94	42 F	851.6
409550	912.0	12-Sep-94	44 F	841.4
409555	923.0	06-Aug-89	23 F	813.1
409555	923.0	02-Nov-89	24 F	812.5
409555	923.0	03-May-90	26 F	816.8
409555	923.0	01-Apr-91	30 F	816.3
409555	923.0	18-Mar-92	34 F	818.3
409555	923.0	05-Mar-93	38 F	819.4
409555	923.0	22-Mar-94	42 F	822.5
409556	960.0	10-May-89	22 F	825.7
409556	960.0	06-Aug-89	23 F	826.7
409556	960.0	02-Nov-89	24 F	826.0
409556	960.0	03-May-90	26 F	826.0
409556	960.0	18-Mar-91	30 F	825.2
409556	960.0	17-Mar-92	34 F	826.4
409556	960.0	23-Mar-94	42 F	829.4
409557	896.0	04-May-89	22 F	833.7
409557	896.0	06-Aug-89	23 F	832.8
409557	896.0	02-Nov-89	24 F	832.8
409557	896.0	03-May-90	26 F	845.0
409557	896.0	20-Mar-91	30 F	832.6
409557	896.0	20-Mar-92	34 F	834.0
409557	896.0	04-Mar-93	38 F	834.8
409557	896.0	18-Mar-94	42 F	837.8
409595	882.3	14-Dec-87	16 F	837.3
409595	882.3	26-Jan-88	17 F	837.5
409595	882.3	13-Apr-88	18 F	838.0
409595	882.3	30-Aug-88	19 F	833.4
409595	882.3	23-Nov-88	20 F	834.6
409595	882.3	17-Mar-92	34 F	832.4
409596	880.4	14-Dec-87	16 F	837.6
409596	880.4	26-Jan-88	17 F	837.7
409596	880.4	30-Aug-88	19 F	833.6
409596	880.4	23-Nov-88	20 F	835.0
409596	880.4	25-Apr-90	26 F	831.6
409596	880.4	29-Mar-91	30 F	829.6
409596	880.4	18-Mar-92	34 F	831.9
409596	880.4	09-Mar-93	38 F	830.0
409596	880.4	18-Mar-94	42 F	835.1
409597	880.3	14-Dec-87	16 F	837.6
409597	880.3	26-Jan-88	17 F	837.7
409597	880.3	13-Apr-88	18 F	838.2
409597	880.3	30-Aug-88	19 F	833.6
409597	880.3	23-Nov-88	20 F	834.9
409597	880.3	25-Apr-90	26 F	831.6
409597	880.3	29-Mar-91	30 F	829.4
409597	880.3	23-Mar-92	34 F	831.7
409597	880.3	04-Mar-93	38 F	829.6
409597	880.3	18-Mar-94	42 F	835.0
409598	879.8	14-Dec-87	16 F	837.3
409598	879.8	26-Jan-88	17 F	837.4
409598	879.8	13-Apr-88	18 F	838.0
409598	879.8	30-Aug-88	19 F	833.4
409598	879.8	23-Nov-88	20 F	834.1
409598	879.8	23-Mar-92	34 F	832.9
500691	891.3	30-Mar-94	42 A	834.1
500691	891.3	31-Mar-94	42 A	834.3
500691	891.3	10-Apr-94	43 A	834.5
500691	891.3	17-Apr-94	43 A	834.6
500691	891.3	18-Apr-94	43 A	834.9

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
500691	891.3	18-Apr-94	43 A	834.9
500691	891.3	18-Apr-94	43 A	834.6
500691	891.3	19-Apr-94	43 A	834.1
500691	891.3	20-Apr-94	43 A	834.4
500691	891.3	21-Apr-94	43 A	834.6
500691	891.3	22-Apr-94	43 A	834.7
500691	891.3	25-Apr-94	43 A	834.8
500691	891.3	26-Apr-94	43 A	834.6
500691	891.3	28-Apr-94	43 A	834.0
500691	891.3	29-Apr-94	43 A	834.0
500691	891.3	02-May-94	43 A	834.7
500691	891.3	09-May-94	43 A	834.5
500691	891.3	16-May-94	43 A	833.7
500691	891.3	23-May-94	43 A	833.4
500691	891.3	20-Jun-94	43 A	832.6
500691	891.3	19-Jul-94	44 A	832.4
500691	891.3	10-Oct-94	45 A	831.9
500691	891.2	02-Nov-89	24 F	828.8
500691	891.2	19-Apr-90	26 F	829.7
500691	891.2	20-Jul-90	27 F	828.0
500691	891.2	20-Sep-90	28 F	827.4
500691	891.2	18-Mar-91	30 F	829.0
500691	891.2	17-Mar-92	34 F	831.5
500691	891.2	05-Mar-93	38 F	831.2
508115	910.7	19-Apr-90	26 F	828.7
508115	910.7	20-Jul-90	27 F	827.0
508115	910.7	20-Sep-90	28 F	827.4
508115	910.7	18-Mar-91	30 F	827.9
508115	910.7	17-Mar-92	34 F	830.2
508115	910.7	05-Mar-93	38 F	830.1
520931	910.8	18-Apr-94	43 A	818.2
520931	910.8	19-Apr-94	43 A	821.7
520931	910.8	20-Apr-94	43 A	827.4
520931	910.8	22-Apr-94	43 A	830.3
520931	910.8	26-Apr-94	43 A	820.2
520931	910.8	28-Apr-94	43 A	819.7
520931	910.8	29-Apr-94	43 A	819.7
520931	910.8	02-May-94	43 A	820.2
520931	910.8	09-May-94	43 A	828.4
520931	910.8	16-May-94	43 A	819.3
520931	910.8	20-Jun-94	43 A	818.1
520931	910.8	19-Jul-94	44 A	817.8
520931	910.8	10-Oct-94	45 A	816.9
E101	966.8	01-Mar-94	42 A	859.3
E101	966.8	02-Sep-94	44 A	858.1
E102	978.7	01-Mar-94	42 A	859.0
E102	978.7	02-Sep-94	44 A	857.9
E103	969.3	01-Mar-94	42 A	859.7
E103	969.3	02-Sep-94	44 A	858.5
I01 MW	958.6	11-Mar-94	42 A	949.6
I01 MW	958.6	02-Sep-94	44 A	Dry
I02 MW	956.1	11-Mar-94	42 A	Dry
I02 MW	956.1	02-Sep-94	44 A	Dry
I03 MW	954.6	11-Mar-94	42 A	Dry
I03 MW	954.6	02-Sep-94	44 A	Dry
I04 MW	955.9	11-Mar-94	42 A	Dry
I04 MW	955.9	02-Sep-94	44 A	Dry
I05 MW	958.7	11-Mar-94	42 A	Dry
I05 MW	958.7	02-Sep-94	44 A	Dry
K01MW	889.3	01-Mar-94	42 A	884.1
K01MW	889.3	06-Sep-94	44 A	886.3
K02MW	889.7	01-Mar-94	42 A	885.0
K02MW	889.7	06-Sep-94	44 A	884.5
K04MW	885.7	01-Mar-94	42 A	878.7
K04MW	885.7	06-Sep-94	44 A	879.5
MPCA1L3	896.3	31-Mar-94	42 A	838.5
MPCA1L3	896.3	10-Apr-94	43 A	838.1
MPCA1L3	896.3	17-Apr-94	43 A	838.1
MPCA1L3	896.3	18-Apr-94	43 A	838.7
MPCA1L3	896.3	18-Apr-94	43 A	838.8
MPCA1L3	896.3	18-Apr-94	43 A	838.8
MPCA1L3	896.3	19-Apr-94	43 A	838.2
MPCA1L3	896.3	20-Apr-94	43 A	838.2
MPCA1L3	896.3	21-Apr-94	43 A	838.2
MPCA1L3	896.3	22-Apr-94	43 A	838.4
MPCA1L3	896.3	25-Apr-94	43 A	838.8
MPCA1L3	896.3	26-Apr-94	43 A	839.0
MPCA1L3	896.3	28-Apr-94	43 A	838.1
MPCA1L3	896.3	29-Apr-94	43 A	838.1
MPCA1L3	896.3	02-May-94	43 A	838.4
MPCA1L3	896.3	09-May-94	43 A	838.4
MPCA1L3	896.3	16-May-94	43 A	837.9
MPCA1L3	896.3	23-May-94	43 A	838.1
MPCA1L3	896.3	20-Jun-94	43 A	837.6
MPCA1L3	896.3	19-Jul-94	44 A	837.7
MPCA1L3	896.3	10-Oct-94	45 A	836.2
MPCA1U4	896.2	31-Mar-94	42 A	836.1
MPCA1U4	896.2	10-Apr-94	43 A	836.0
MPCA1U4	896.2	17-Apr-94	43 A	835.9
MPCA1U4	896.2	18-Apr-94	43 A	836.5
MPCA1U4	896.2	18-Apr-94	43 A	836.5
MPCA1U4	896.2	18-Apr-94	43 A	836.5
MPCA1U4	896.2	19-Apr-94	43 A	835.9
MPCA1U4	896.2	20-Apr-94	43 A	835.9
MPCA1U4	896.2	21-Apr-94	43 A	836.0
MPCA1U4	896.2	22-Apr-94	43 A	836.1
MPCA1U4	896.2	25-Apr-94	43 A	836.4
MPCA1U4	896.2	26-Apr-94	43 A	836.5
MPCA1U4	896.2	28-Apr-94	43 A	835.7
MPCA1U4	896.2	29-Apr-94	43 A	835.8
MPCA1U4	896.2	02-May-94	43 A	836.2
MPCA1U4	896.2	09-May-94	43 A	836.0
MPCA1U4	896.2	16-May-94	43 A	835.5
MPCA1U4	896.2	23-May-94	43 A	835.4
MPCA1U4	896.2	20-Jun-94	43 A	834.8
MPCA1U4	896.2	19-Jul-94	44 A	835.0
MPCA1U4	896.2	10-Oct-94	45 A	833.8
MPCA2L3	867.0	31-Mar-94	42 A	833.6
MPCA2L3	867.0	10-Apr-94	43 A	833.6
MPCA2L3	867.0	17-Apr-94	43 A	833.7
MPCA2L3	867.0	18-Apr-94	43 A	833.8
MPCA2L3	867.0	18-Apr-94	43 A	834.0
MPCA2L3	867.0	18-Apr-94	43 A	834.1
MPCA2L3	867.0	19-Apr-94	43 A	833.3
MPCA2L3	867.0	20-Apr-94	43 A	833.6
MPCA2L3	867.0	21-Apr-94	43 A	833.7
MPCA2L3	867.0	22-Apr-94	43 A	833.7
MPCA2L3	867.0	25-Apr-94	43 A	833.9
MPCA2L3	867.0	26-Apr-94	43 A	833.9
MPCA2L3	867.0	28-Apr-94	43 A	833.3
MPCA2L3	867.0	29-Apr-94	43 A	833.3
MPCA2L3	867.0	02-May-94	43 A	833.8
MPCA2L3	867.0	09-May-94	43 A	833.5
MPCA2L3	867.0	16-May-94	43 A	832.9
MPCA2L3	867.0	23-May-94	43 A	832.8
MPCA2L3	867.0	20-Jun-94	43 A	831.9
MPCA2L3	867.0	19-Jul-94	44 A	831.8
MPCA2L3	867.0	10-Oct-94	45 A	831.1
MPCA2U4	867.0	31-Mar-94	42 A	832.7
MPCA2U4	867.0	10-Apr-94	43 A	832.8

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
MPCA2U4	867.0	17-Apr-94	43 A	832.9
MPCA2U4	867.0	18-Apr-94	43 A	833.0
MPCA2U4	867.0	18-Apr-94	43 A	832.9
MPCA2U4	867.0	18-Apr-94	43 A	833.3
MPCA2U4	867.0	19-Apr-94	43 A	832.4
MPCA2U4	867.0	20-Apr-94	43 A	832.8
MPCA2U4	867.0	21-Apr-94	43 A	832.9
MPCA2U4	867.0	22-Apr-94	43 A	832.9
MPCA2U4	867.0	25-Apr-94	43 A	833.0
MPCA2U4	867.0	26-Apr-94	43 A	832.9
MPCA2U4	867.0	28-Apr-94	43 A	832.2
MPCA2U4	867.0	29-Apr-94	43 A	832.4
MPCA2U4	867.0	02-May-94	43 A	832.9
MPCA2U4	867.0	09-May-94	43 A	832.5
MPCA2U4	867.0	16-May-94	43 A	832.0
MPCA2U4	867.0	23-May-94	43 A	831.8
MPCA2U4	867.0	20-Jun-94	43 A	830.9
MPCA2U4	867.0	19-Jul-94	44 A	830.7
MPCA2U4	867.0	10-Oct-94	45 A	830.1
MPCA6	914.40	08-Oct-92	37 A	840.8
MPCA6	914.40	02-Mar-93	38 A	841.8
MPCA6	914.40	10-Sep-93	40 A	843.2
MPCA6	912.0	01-Mar-94	42 A	844.7
MPCA6	912.0	02-Sep-94	44 A	843.2
MW15H	909.6	31-Mar-94	42 A	834.8
MW15H	909.6	10-Apr-94	43 A	834.7
MW15H	909.6	17-Apr-94	43 A	834.8
MW15H	909.6	18-Apr-94	43 A	835.3
MW15H	909.6	18-Apr-94	43 A	835.2
MW15H	909.6	18-Apr-94	43 A	835.3
MW15H	909.6	19-Apr-94	43 A	834.6
MW15H	909.6	20-Apr-94	43 A	834.7
MW15H	909.6	21-Apr-94	43 A	834.8
MW15H	909.6	22-Apr-94	43 A	834.9
MW15H	909.6	25-Apr-94	43 A	835.1
MW15H	909.6	26-Apr-94	43 A	835.2
MW15H	909.6	28-Apr-94	43 A	834.6
MW15H	909.6	29-Apr-94	43 A	834.6
MW15H	909.6	02-May-94	43 A	835.0
MW15H	909.6	09-May-94	43 A	834.8
MW15H	909.6	16-May-94	43 A	834.1
MW15H	909.6	23-May-94	43 A	834.1
MW15H	909.6	20-Jun-94	43 A	833.3
MW15H	909.6	19-Jul-94	44 A	833.1
MW15H	909.6	10-Oct-94	45 A	832.4
OW543U3	959.4	24-Mar-92	34 A	849.0
OW543U3	959.4	08-Oct-92	37 A	848.7
OW543U3	959.4	02-Mar-93	38 A	849.6
OW543U3	959.4	10-Sep-93	40 A	850.8
OW543U3	959.4	01-Mar-94	42 A	852.8
OW543U3	959.4	02-Sep-94	44 A	851.8
PJ#003	944.2	14-Dec-87	16 F	849.1
PJ#003	944.2	27-Jan-88	17 F	849.2
PJ#003	944.2	14-Apr-88	18 F	850.4
PJ#003	944.2	02-May-88	18 A	849.5
PJ#003	944.2	20-May-88	18 A	848.9
PJ#003	944.2	27-Jul-88	19 A	846.4
PJ#003	944.2	30-Aug-88	19 F	845.7
PJ#003	944.2	01-Sep-88	19 A	845.6
PJ#003	944.2	21-Sep-88	19 A	845.3
PJ#003	944.2	14-Oct-88	20 A	845.5
PJ#003	944.2	25-Nov-88	20 F	846.2
PJ#003	944.2	02-Dec-88	20 A	846.4
PJ#003	944.2	13-Jan-89	21 A	846.1
PJ#003	944.2	31-Mar-89	21 A	844.0
PJ#003	944.2	05-Aug-89	23 F	842.3
PJ#003	944.2	05-Oct-89	24 A	841.7
PJ#003	944.2	02-Nov-89	24 F	841.6
PJ#003	944.2	21-Dec-89	24 A	841.4
PJ#003	944.2	11-Jan-90	25 A	840.5
PJ#003	944.2	16-May-90	26 A	841.4
PJ#003	944.2	16-Jul-90	27 A	841.0
PJ#003	944.2	28-Feb-91	30 A	841.8
PJ#003	944.2	03-Jun-91	31 A	841.5
PJ#003	944.2	03-Sep-91	32 A	840.9
PJ#003	944.2	27-Sep-91	32 A	841.2
PJ#003	944.2	06-Dec-91	33 A	842.5
PJ#003	944.2	24-Mar-92	34 A	843.1
PJ#003	944.2	01-Jun-92	35 A	843.3
PJ#003	944.2	01-Sep-92	36 A	843.0
PJ#003	944.2	08-Oct-92	37 A	843.7
PJ#003	944.2	02-Mar-93	38 A	844.5
PJ#003	944.2	10-Sep-93	40 A	845.7
PJ#003	944.2	01-Mar-94	42 A	847.3
PJ#003	944.2	02-Sep-94	44 A	846.0
PJ#027	967.7	17-Nov-87	16 A	853.4
PJ#027	967.7	24-Nov-87	16 A	853.2
PJ#027	967.7	30-Nov-87	16 A	853.2
PJ#027	967.7	14-Dec-87	16 A	853.2
PJ#027	967.7	11-Jan-88	17 A	853.1
PJ#027	967.7	27-Jan-88	17 F	853.3
PJ#027	967.7	14-Apr-88	18 F	854.3
PJ#027	967.7	02-May-88	18 A	853.6
PJ#027	967.7	20-May-88	18 A	853.0
PJ#027	967.7	23-Jun-88	18 A	851.9
PJ#027	967.7	27-Jul-88	19 A	850.5
PJ#027	967.7	30-Aug-88	19 F	849.4
PJ#027	967.7	01-Sep-88	19 A	849.6
PJ#027	967.7	21-Sep-88	19 A	849.3
PJ#027	967.7	14-Oct-88	20 A	849.2
PJ#027	967.7	25-Nov-88	20 F	849.8
PJ#027	967.7	02-Dec-88	20 A	850.0
PJ#027	967.7	13-Jan-89	21 A	850.2
PJ#027	967.7	31-Mar-89	21 A	848.1
PJ#027	967.7	05-Aug-89	23 F	847.1
PJ#027	967.7	05-Oct-89	24 A	845.7
PJ#027	967.7	06-Nov-89	24 F	842.5
PJ#027	967.7	21-Dec-89	24 A	845.5
PJ#027	967.7	11-Jan-90	25 A	845.3
PJ#027	967.7	16-May-90	26 A	845.4
PJ#027	967.7	28-Feb-91	30 A	845.9
PJ#027	967.7	27-Sep-91	32 A	845.5
PJ#027	967.7	24-Mar-92	34 A	847.4
PJ#027	967.7	08-Oct-92	37 A	845.6
PJ#027	967.7	02-Mar-93	38 A	846.5
PJ#027	967.7	10-Sep-93	40 A	847.6
PJ#027	967.7	01-Mar-94	42 A	851.6
PJ#027	967.7	02-Sep-94	44 A	850.5
PJ#074	954.2	14-Dec-87	16 A	854.1
PJ#074	954.2	28-Jan-88	17 F	854.2
PJ#074	954.2	14-Apr-88	18 F	854.9
PJ#074	954.2	02-May-88	18 A	854.4
PJ#074	954.2	20-May-88	18 A	853.9
PJ#074	954.2	23-Jun-88	18 A	852.6
PJ#074	954.2	27-Jul-88	19 A	851.1
PJ#074	954.2	30-Aug-88	19 F	850.2
PJ#074	954.2	01-Sep-88	19 A	849.4
PJ#074	954.2	21-Sep-88	19 A	850.0
PJ#074	954.2	14-Oct-88	20 A	849.1
PJ#074	954.2	25-Nov-88	20 F	850.5
PJ#074	954.2	02-Dec-88	20 A	850.7
PJ#074	954.2	13-Jan-89	21 A	850.8
PJ#074	954.2	31-Mar-89	21 A	849.0
PJ#074	954.2	05-Aug-89	23 F	847.3
PJ#074	954.2	05-Oct-89	24 A	846.0
PJ#074	954.2	03-Nov-89	24 F	851.8
PJ#074	954.2	21-Dec-89	24 A	846.3
PJ#074	954.2	11-Jan-90	25 A	846.2
PJ#309	911.8	02-Dec-88	20 A	854.5
PJ#309	911.8	13-Jan-89	21 A	847.4
PJ#309	911.8	31-Mar-89	21 A	839.9

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
PJ#309	911.8	07-Jul-89	23 A	839.2
PJ#309	911.8	05-Aug-89	23 F	837.2
PJ#309	911.8	05-Oct-89	24 A	834.8
PJ#309	911.8	11-Jan-90	25 A	838.1
PJ#309	911.8	16-May-90	26 A	838.8
PJ#309	911.8	16-Jul-90	27 A	838.7
PJ#309	911.8	28-Feb-91	30 A	838.2
PJ#309	911.8	03-Jun-91	31 A	838.0
PJ#309	911.8	03-Sep-91	32 A	838.1
PJ#309	911.8	27-Sep-91	32 A	838.5
PJ#309	911.8	06-Dec-91	33 A	839.4
PJ#309	911.8	24-Mar-92	34 A	840.2
PJ#309	911.8	01-Jun-92	35 A	840.7
PJ#309	911.8	01-Sep-92	36 A	840.0
PJ#309	911.8	08-Oct-92	37 A	839.4
PJ#309	911.8	02-Mar-93	38 A	841.6
PJ#309	911.8	10-Sep-93	40 A	842.4
PJ#309	911.8	01-Mar-94	42 A	844.1
PJ#309	911.8	02-Sep-94	44 A	842.8
PJ#310	913.3	02-Dec-88	20 A	845.2
PJ#310	913.3	13-Jan-89	21 A	847.3
PJ#310	913.3	31-Mar-89	21 A	838.1
PJ#310	913.3	07-Jul-89	23 A	835.3
PJ#310	913.3	05-Aug-89	23 F	837.0
PJ#310	913.3	05-Oct-89	24 A	835.3
PJ#310	913.3	06-Nov-89	24 F	833.3
PJ#310	913.3	21-Dec-89	24 A	833.9
PJ#310	913.3	11-Jan-90	25 A	833.9
PJ#310	913.3	16-May-90	26 A	835.1
PJ#310	913.3	16-Jul-90	27 A	835.2
PJ#310	913.3	28-Feb-91	30 A	836.0
PJ#310	913.3	03-Jun-91	31 A	835.7
PJ#310	913.3	03-Sep-91	32 A	835.7
PJ#310	913.3	27-Sep-91	32 A	835.7
PJ#310	913.3	06-Dec-91	33 A	836.8
PJ#310	913.3	24-Mar-92	34 A	837.4
PJ#310	913.3	01-Jun-92	35 A	837.5
PJ#310	913.3	01-Sep-92	36 A	837.2
PJ#310	913.3	08-Oct-92	37 A	836.8
PJ#310	913.3	02-Mar-93	38 A	838.6
PJ#310	913.3	10-Sep-93	40 A	839.7
PJ#310	913.3	01-Mar-94	42 A	841.2
PJ#310	913.3	02-Sep-94	44 A	840.1
PJ#311	905.2	31-Mar-89	21 A	840.7
PJ#311	905.2	07-Jul-89	23 A	840.2
PJ#311	905.2	05-Aug-89	23 F	838.2
PJ#311	905.2	05-Oct-89	24 A	840.3
PJ#311	905.2	06-Nov-89	24 F	837.8
PJ#311	905.2	21-Dec-89	24 A	845.7
PJ#311	905.2	11-Jan-90	25 A	838.9
PJ#311	905.2	16-May-90	26 A	839.6
PJ#311	905.2	16-Jul-90	27 A	838.4
PJ#311	905.2	28-Feb-91	30 A	839.2
PJ#311	905.2	03-Jun-91	31 A	839.2
PJ#311	905.2	27-Sep-91	32 A	838.5
PJ#311	905.2	06-Dec-91	33 A	840.2
PJ#311	905.2	24-Mar-92	34 A	840.7
PJ#311	905.2	01-Jun-92	35 A	839.9
PJ#311	905.2	01-Sep-92	36 A	840.0
PJ#311	905.2	08-Oct-92	37 A	838.0
PJ#311	905.2	02-Mar-93	38 A	840.3
PJ#311	905.2	10-Sep-93	40 A	841.5
PJ#311	905.2	01-Mar-94	42 A	843.1
PJ#311	905.2	02-Sep-94	44 A	841.9
PJ#313	893.2	02-Dec-88	20 A	847.3
PJ#313	893.2	13-Jan-89	21 A	845.5
PJ#313	893.2	31-Mar-89	21 A	838.4
PJ#313	893.2	07-Jul-89	23 A	836.6
PJ#313	893.2	05-Aug-89	23 F	839.7
PJ#313	893.2	05-Oct-89	24 A	835.6
PJ#313	893.2	21-Dec-89	24 A	835.3

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
PJ#313	893.2	11-Jan-90	25 A	894.3
PJ#313	893.2	16-May-90	26 A	836.5
PJ#313	893.2	16-Jul-90	27 A	836.3
PJ#313	893.2	28-Feb-91	30 A	834.9
PJ#313	893.2	03-Jun-91	31 A	836.1
PJ#313	893.2	03-Sep-91	32 A	835.2
PJ#313	893.2	27-Sep-91	32 A	835.6
PJ#313	893.2	06-Dec-91	33 A	836.7
PJ#313	893.2	24-Mar-92	34 A	837.4
PJ#313	893.2	01-Jun-92	35 A	837.5
PJ#313	893.2	01-Sep-92	36 A	836.8
PJ#313	893.2	08-Oct-92	37 A	807.6
PJ#313	893.2	02-Mar-93	38 A	839.6
PJ#313	893.2	10-Sep-93	40 A	841.6
PJ#313	893.2	01-Mar-94	42 A	842.2
PJ#313	893.2	02-Sep-94	44 A	840.6
PJ#318	983.0	30-Aug-88	19 F	806.2
PJ#318	983.0	25-Nov-88	20 F	807.3
PJ#318	983.0	29-Apr-89	22 F	806.1
PJ#318	983.0	07-Aug-89	23 F	809.0
PJ#318	983.0	02-Nov-89	24 F	805.1
PJ#318	983.0	17-Apr-90	26 F	812.4
PJ#318	983.0	14-Mar-91	30 F	807.3
PJ#318	983.0	24-Mar-92	34 F	811.5
PJ#318	983.0	08-Mar-93	38 F	810.1
PJ#318	983.0	24-Mar-94	42 F	814.2
PJ#501	904.2	15-Dec-87	16 F	856.0
PJ#501	904.2	27-Jan-88	17 F	854.1
PJ#501	904.2	14-Apr-88	18 F	854.7
PJ#501	904.2	30-Aug-88	19 F	850.0
PJ#501	904.2	25-Nov-88	20 F	850.0
PJ#501	904.2	05-Aug-89	23 F	847.4
PJ#502	920.7	15-Dec-87	16 F	864.0
PJ#502	920.7	27-Jan-88	17 F	853.7
PJ#502	920.7	14-Apr-88	18 F	854.3
PJ#502	920.7	30-Aug-88	19 F	849.7
PJ#502	920.7	25-Nov-88	20 F	849.7
PJ#502	920.7	05-Aug-89	23 F	846.9
PJ#503	927.3	15-Dec-87	16 F	852.2
PJ#503	927.3	27-Jan-88	17 F	853.7
PJ#503	927.3	14-Apr-88	18 F	854.3
PJ#503	927.3	30-Aug-88	19 F	849.9
PJ#503	927.3	25-Nov-88	20 F	849.9
PJ#503	927.3	05-Aug-89	23 F	853.5
PJ#504	884.0	05-Aug-89	23 F	762.8
PJ#504	884.0	06-Nov-89	24 F	762.8
PJ#506	943.6	15-Dec-87	16 F	854.5
PJ#506	943.6	27-Jan-88	17 F	854.2
PJ#506	943.6	14-Apr-88	18 F	855.1
PJ#506	943.6	30-Aug-88	19 F	850.5
PJ#506	943.6	25-Nov-88	20 F	850.5
PJ#506	943.6	05-Aug-89	23 F	847.5
PJ#506		20-Jul-93 Well Abandoned		
PJ#507	946.6	15-Dec-87	16 F	854.1
PJ#507	946.6	27-Jan-88	17 F	853.9
PJ#507	946.6	14-Apr-88	18 F	854.6
PJ#507	946.6	30-Aug-88	19 F	850.2
PJ#507	946.6	25-Nov-88	20 F	850.2
PJ#507	946.6	05-Aug-89	23 F	847.3
PJ#507		22-Jul-93 Well Abandoned		
PJ#508	956.8	15-Dec-87	16 F	854.0
PJ#508	956.8	27-Jan-88	17 F	856.0
PJ#508	956.8	14-Apr-88	18 F	854.5
PJ#508	956.8	30-Aug-88	19 F	850.2
PJ#508	956.8	25-Nov-88	20 F	850.2
PJ#508	956.8	05-Aug-89	23 F	847.2

TABLE IV - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
PJ#508	956.8	03-Nov-89	24 F	846.3
PJ#508		02-Aug-93	Well Abandoned	
PJ#802	902.7	17-Nov-87	16 A	849.7
PJ#802	902.7	24-Nov-87	16 A	849.6
PJ#802	902.7	30-Nov-87	16 A	849.5
PJ#802	902.7	14-Dec-87	16 A	849.3
PJ#802	902.7	14-Dec-87	16 F	849.2
PJ#802	902.7	11-Jan-88	17 A	849.6
PJ#802	902.7	26-Jan-88	17 F	849.3
PJ#802	902.7	13-Apr-88	18 F	848.7
PJ#802	902.7	02-May-88	18 A	849.8
PJ#802	902.7	20-May-88	18 A	849.3
PJ#802	902.7	23-Jun-88	18 A	848.0
PJ#802	902.7	27-Jul-88	19 A	847.1
PJ#802	902.7	30-Aug-88	19 F	846.1
PJ#802	902.7	01-Sep-88	19 A	846.1
PJ#802	902.7	21-Sep-88	19 A	845.8
PJ#802	902.7	14-Oct-88	20 A	845.9
PJ#802	902.7	25-Nov-88	20 F	846.7
PJ#802	902.7	02-Dec-88	20 A	846.6
PJ#802	902.7	13-Jan-89	21 A	846.6
PJ#802	902.7	31-Mar-89	21 A	844.1
PJ#802	902.7	03-Aug-89	23 F	842.5
PJ#802	902.7	05-Oct-89	24 A	842.1
PJ#802	902.7	03-Nov-89	24 F	841.8
PJ#802	902.7	21-Dec-89	24 A	841.6
PJ#802	902.7	11-Jan-90	25 A	841.7
PJ#802	902.7	16-May-90	26 A	841.7
PJ#802	902.7	16-Jul-90	27 A	841.3
PJ#802	902.7	28-Feb-91	30 A	841.9
PJ#802	902.7	03-Jun-91	31 A	841.7
PJ#802	902.7	03-Sep-91	32 A	841.1
PJ#802	902.7	27-Sep-91	32 A	841.4
PJ#802	902.7	06-Dec-91	33 A	841.6
PJ#802	902.7	24-Mar-92	34 A	842.1
PJ#802	902.7	01-Jun-92	35 A	842.3
PJ#802	902.7	01-Sep-92	36 A	842.1
PJ#802	902.7	08-Oct-92	37 A	843.5
PJ#802	902.7	02-Mar-93	38 A	844.3
PJ#802	902.7	10-Sep-93	40 A	845.5
PJ#802	902.7	01-Mar-94	42 A	847.1
PJ#802	902.7	02-Sep-94	44 A	845.8
PJ#806	909.4	17-Nov-87	16 A	849.0
PJ#806	909.4	24-Nov-87	16 A	848.6
PJ#806	909.4	30-Nov-87	16 A	848.3
PJ#806	909.4	14-Dec-87	16 A	848.1
PJ#806	909.4	11-Jan-88	17 A	848.9
PJ#806	909.4	27-Jan-88	17 F	847.9
PJ#806	909.4	13-Apr-88	18 F	848.5
PJ#806	909.4	02-May-88	18 A	848.3
PJ#806	909.4	20-May-88	18 A	847.8
PJ#806	909.4	23-Jun-88	18 A	846.1
PJ#806	909.4	27-Jul-88	19 A	845.7
PJ#806	909.4	30-Aug-88	19 F	844.6
PJ#806	909.4	01-Sep-88	19 A	845.0
PJ#806	909.4	21-Sep-88	19 A	844.3
PJ#806	909.4	14-Oct-88	20 A	844.8
PJ#806	909.4	25-Nov-88	20 F	846.1
PJ#806	909.4	02-Dec-88	20 A	845.9
PJ#806	909.4	13-Jan-89	21 A	845.9
PJ#806	909.4	31-Mar-89	21 A	842.0
PJ#806	909.4	03-Aug-89	23 F	840.3
PJ#806	909.4	05-Oct-89	24 A	839.8
PJ#806	909.4	03-Nov-89	24 F	839.9
PJ#806	909.4	21-Dec-89	24 A	839.2
PJ#806	909.4	11-Jan-90	25 A	839.5
PJ#806	909.4	16-May-90	26 A	839.6
PJ#806	909.4	16-Jul-90	27 A	839.2
PJ#806	909.4	28-Feb-91	30 A	839.9
PJ#806	909.4	03-Jun-91	31 A	839.6
PJ#806	909.4	03-Sep-91	32 A	838.9
PJ#806	909.4	27-Sep-91	32 A	839.3
PJ#806	909.4	06-Dec-91	33 A	840.6
PJ#806	909.4	24-Mar-92	34 A	841.2
PJ#806	909.4	01-Jun-92	35 A	841.2
PJ#806	909.4	01-Sep-92	36 A	840.8
PJ#806	909.4	08-Oct-92	37 A	841.4
PJ#806	909.4	02-Mar-93	38 A	842.3
PJ#806	909.4	10-Sep-93	40 A	843.7
PJ#806	909.4	01-Mar-94	42 A	845.3
PJ#806	909.4	02-Sep-94	44 A	843.7
S.G. #1	860.4	28-Feb-91	30 A	865.2
S.G. #1	860.4	27-Sep-91	32 A	865.7
S.G. #1	860.4	24-Mar-92	34 A	867.6
S.G. #1	860.4	08-Oct-92	37 A	866.6
S.G. #1	860.4	02-Mar-93	38 A	866.9
S.G. #1	860.4	10-Sep-93	40 A	867.9
S.G. #1	860.4	01-Mar-94	42 A	851.0
S.G. #1	860.4	02-Sep-94	44 A	852.2
S.G. #2	862.8	28-Feb-91	30 A	865.0
S.G. #2	862.8	27-Sep-91	32 A	865.9
S.G. #2	862.8	24-Mar-92	34 A	867.8
S.G. #2	862.8	08-Oct-92	37 A	866.8
S.G. #2	862.8	02-Mar-93	38 A	868.1
S.G. #2	862.8	10-Sep-93	40 A	868.1
S.G. #2	862.8	01-Mar-94	42 A	855.6
S.G. #2	862.8	02-Sep-94	44 A	856.8
S.G. #3	865.3	28-Feb-91	30 A	865.5
S.G. #3	865.3	27-Sep-91	32 A	866.0
S.G. #3	865.3	24-Mar-92	34 A	867.5
S.G. #3	865.3	08-Oct-92	37 A	866.5
S.G. #3	865.3	02-Mar-93	38 A	867.6
S.G. #3	865.3	10-Sep-93	40 A	867.6
S.G. #3	865.3	01-Mar-94	42 A	NA
S.G. #3	865.3	02-Sep-94	44 A	NA

Table IV-2

TCAAP Groundwater Quality Data (Organics)

Notes:

(1) The parameters are grouped by chemical categories. Benzene, toluene, and total xylenes comprise Category 7 -- all other parameters are Category 1. The Category 1 parameters are sub-grouped into the -ethene, -ethane, and miscellaneous compounds. Furthermore, within each sub-group the parameters are arranged in descending order with respect to the number of chloride ions. This order is intended to represent potential degradation pathways.

(2) Qtr = Quarter. Under this heading, F = FCC; A = Alliant Techsystems, Inc.; and M = MPCA. For MPCA data, "PP" = Peak Present, but not quantifiable. All MPCA data was validated and provided directly by the MPCA and was not retrieved through IRDMIS.

(3) TCAAP GW Action Criteria = groundwater action criteria set forth in revised Table 3.7A of the Federal Facilities Agreement.

(4) Duplicate sample collected for QA/QC purposes.

(5) Raw laboratory data not retrieved from IRDMIS.

(6) Field blanks collected at this location. See Appendix I for field blank data.

(7) The relative percent difference of this value and its duplicate is greater than 25 percent and an evaluation of the data indicates that the value may not be valid. Therefore, this data should be considered an estimated value.

NC Trip blank not collected.

Shading denotes exceedances or potential exceedances of TCAAP action criteria. Exceedances are concentrations greater than the TCAAP action criteria. Potential exceedances are values reported as "less than the method detection limit," where the method detection limit is greater than the TCAAP action criteria.

TCLEE	Tetrachloroethene
TRCLE	Trichloroethene
11DCE	1,1-Dichloroethene
12DCE	1,2-Dichloroethene
C12DCE	cis-1,2-Dichloroethene
T12DCE	trans 1,2-Dichloroethene
C2H3CL	Vinyl Chloride
111TCE	1,1,1-Trichloroethane
112TCE	1,1,2-Trichloroethane
11DCLE	1,1-Dichloroethane
12DCLE	1,2-Dichloroethane
CCL4	Carbon Tetrachloride
CHCL3	Chloroform
12DCLP	1,2-Dichloropropane
TCLTFE	1,1,2-Trichlorotrifluoroethane
CH2CL2	Methylene Chloride
C6H6	Benzene
MEC6H5	Toluene
TXYLEN	Total Xylenes
OXYLEN	ortho-Xylene
M&P XYL	meta- & para- Xylenes

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01L811		25-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01L813		25-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01L816		25-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01L816		Well Abandoned																								
01L821		30-Nov-87	F16			<1.80	2.80	<1.00	39.00			110.00	<1.60	<2.00	15.00	3.00	<2.20	<0.82	<1.20	<9.00	<3.60					
01L822		01-Dec-87	F16			<18.00	<22.00	<10.00	43.00			<30.00	<16.00	<20.00	<14.00	<10.00	<22.00	<8.20	<12.00	<90.00	<36.00					
01L823		01-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U003		27-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U003		26-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U004		27-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U004		26-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U004		27-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U022		05-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U033		24-Mar-92	F34	BGV 008		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	6.08					
01U034		11-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	1.20		
01U034		14-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U035		14-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U036		11-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U036		16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U036		14-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U036		25-Apr-89	F22			1.26	0.70	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U036		26-Apr-89	F22			1.41	0.75	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U036		25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U036		27-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U036		24-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		0.39	<0.62			<3.09	31.00	<1.17		
01U036		25-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		0.60	<0.62			<3.09	31.00	<1.17		
01U036		13-Mar-91	F30			<1.00	<0.50	<1.00	0.62			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U036		09-Mar-92	F34	BFQ 012		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U036		08-Mar-93	F38	IBW 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U036	(4)	08-Mar-93	F38	IBW 012		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U036		08-Mar-93	M38			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U036		07-Mar-94	F42	IKW 004	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U036		07-Mar-94	M42			<1.00	<0.50	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
01U037		07-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U037		18-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U038		06-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			1.61	<0.87	<8.28		
01U038		09-Mar-94	F42	ITB 009	48275 (6)																	1.15	<0.87	<8.28		
01U038		08-Jun-94	F43	ITJ 011	124044																	2.59	<0.87	<8.28		
01U038		08-Sep-94	F44	ITR 008	209724																	0.57	<0.87	<8.28		
01U039		06-Apr-88	F18			<1.00	<0.50	<1.00	0.93			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U039		18-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U039		13-Mar-91	F30			<5.00	<2.50	<5.00	<2.50			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00	<0.41	<0.87	<8.28		
01U039		30-Jul-91	F32			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U039		30-Jul-91	M32			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U039		05-Mar-92	F34	BFF 008		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U039		05-Mar-92	F34	BFG 008																		<3.09	<3.39	<1.17		
01U039		01-Mar-93	F38	IBP 016		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U039		09-Mar-94	F42	ITB 012	48275																	<0.41	<0.87	<8.28		
01U039		09-Mar-94	F42	IUE 006	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U039		08-Jun-94	F43	ITJ 014	124044																	<0.41	<0.87	<8.28		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U039	08-Sep-94	F44	ITQ 007	209724																	<0.41	<0.87	<8.28		
01U040	05-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U040	07-Mar-94	F42	ITA 013	NC																	<0.41	<0.87	<8.28		
01U040	07-Jun-94	F43	ITH 004	124044																	<0.41	0.71	<8.28		
01U040	06-Sep-94	F44	ITP 012	208191																	<0.41	<0.87	<8.28		
01U041	05-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U041	08-Mar-94	F42	ITA 005	48275																	<0.41	<0.87	<8.28		
01U041	07-Jun-94	F43	ITH 006	124044																	<0.41	<0.87	<8.28		
01U041	06-Sep-94	F44	ITP 013	208191																	<0.41	<0.87	<8.28		
01U045	08-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U047	27-Apr-89	F22			<1.00	<0.50	<1.00	23.10			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U047	26-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U047	25-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U048	27-Apr-89	F22			<1.00	<0.50	<1.00	9.89			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U048	26-Jul-89	F23			<0.88	<1.10	<0.49	5.75			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U048	25-Oct-89	F24			<0.88	<1.10	<0.49	2.89			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U050	16-Nov-87	F16			<0.88	6.88	<0.49	<0.56			<1.50	2.26	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U050	07-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U050	15-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U050	21-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U051	16-Nov-87	F16			<0.88	2.39	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U051	07-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U051	15-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U051	21-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U052	27-Apr-89	F22			<1.00	<0.50	<1.00	1.24			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U052	26-Jul-89	F23			<0.88	<1.10	<0.49	1.75			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U052	25-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U053	16-Nov-87	F16			<0.88	<1.10	0.94	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U053	07-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U053	15-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U053	21-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U054	16-Nov-87	F16			<0.88	16.10	<0.49	<0.56			<1.50	5.92	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U054	07-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U054	15-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U054	21-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U054	27-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U054	26-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U054	26-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U060	19-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	22.70	<1.17		
01U060	11-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U060	17-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U060	26-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U060	25-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U060	11-Mar-92	F34	BFS 013		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U060	11-Mar-92	F34	BFT 011																		<3.09	<3.39	<1.17		
01U062	16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U062	07-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U062	16-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U062	21-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U062	09-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U062	26-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U062	26-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #		TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)							0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U063		05-Apr-88	F18				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U063		07-Apr-88	F18				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U063		09-Mar-94	F42	ITB 011	48275																		<0.41	<0.87	<8.28		
01U063		08-Jun-94	F43	ITJ 013	124044																		<0.41	<0.87	<8.28		
01U063		08-Sep-94	F44	ITQ 006	209724																		<0.41	<0.87	<8.28		
01U064		12-May-89	F22				<1.00	5.42	2.96	150.00			3.58	7.15	<1.00		1.42		<0.72	<1.00			<0.41	<0.87	<8.28		
01U064		26-Jul-89	F23				<22.00	<28.00	<12.00	430.00			<38.00	<20.00	<25.00		<13.00		<10.00	<16.00			<3.09	<3.39	<1.17		
01U064		27-Oct-89	F24				<22.00	41.00	<12.00	430.00			<38.00	22.00	<25.00		<13.00		<10.00	<16.00			<77.00	<85.00	<29.00		
01U064		22-Mar-91	A30				<2.00	14.00	<2.00	350.00		<13.00	<3.80	4.50	<2.00	14.00	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U064		17-Mar-92	A34	GNO 007			<5.00	5.20	<5.00	220.00		10.00	<9.50	7.70	<5.00	5.80	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U064	(4)	17-Mar-92	A34	GNO 008			<5.00	6.40	<5.00	230.00		10.00	<9.50	8.80	<5.00	5.80	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U064		24-Mar-93	A38			(5)	<5.00	3.80	<5.00	300.00			16.00	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U064		11-Mar-94	A42	IUC 009	49735		<1.00	4.23	<1.00	320.00		17.00	10.80	<1.00	<1.00	4.99	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U064	(4)	11-Mar-94	A42	IUC 011	49735		<1.00	4.37	<1.00	350.00		17.00	9.76	<1.00	<1.00	5.01	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U065		28-Apr-89	F22				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U065		26-Jul-89	F23				<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<0.41	<0.87	<8.28		
01U065		25-Oct-89	F24				<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
																							<3.09	<3.39	<1.17		
01U067		05-Apr-88	F18				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U067		08-Mar-94	F42	ITA 004	48275																		<0.41	<0.87	<8.28		
01U067		07-Jun-94	F43	ITH 005	124044																		<0.41	<0.87	<8.28		
01U067		06-Sep-94	F44	IVO 006	208191		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.26	<1.30	<0.72	<1.00	<1.00	<3.20					
01U067		07-Sep-94	F44	ITO 006	208191																		<0.41	<0.87	<8.28		
01U072		07-Apr-88	F18				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U085		11-Nov-87	F16				<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U085		10-Aug-88	F19				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U085		17-Nov-88	F20				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U085		18-Apr-90	F26				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U085		13-Mar-91	F30				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U085		16-Mar-92	F34	BGH 007			<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	1.83					
01U085		05-Mar-93	F38	IBW 007			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U085		16-Mar-94	F42	IUN 008	54690		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U098		19-Nov-87	F16				<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U098		11-Apr-88	F18				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U098		17-Nov-88	F20				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U098		26-Apr-90	F26				<1.00	0.57	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U098		25-Mar-91	F30				<1.00	<0.50	<1.00	<0.50			<1.90	2.62	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U098		11-Mar-92	F34	BFS 014			<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U098		11-Mar-92	F34	BFT 012																			<3.09	<3.39	<1.17		
01U098		03-Mar-93	F38	IBS 004			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U098		14-Mar-94	F42	IUH 008	NC		<1.00	0.38	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.34	<1.30	<0.72	<1.00	<1.00	<3.20					
01U100		07-Apr-88	F18				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U100		26-Jan-94	M42				<1.00	<0.5	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
01U101		14-Nov-88	F20				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U101		25-Apr-89	F22				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U101		25-Jul-89	F23				<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U101		26-Jul-89	F23				<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U101		24-Oct-89	F24				<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		0.38	<0.62			<3.09	<3.39	<1.17		
01U101		25-Oct-89	F24				<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U101		26-Jan-94	M42				<1.00	<0.5	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
01U102		08-Aug-88	F19				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U102		11-Nov-88	F20				<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U102		25-Apr-89	F22				41.60	31.00	<1.00	9.60			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			0.84	<0.87	<8.28		
01U102		25-Jul-89	F23				<0.88	2.20	<0.49	44.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	34.00	<1.17		
01U102		27-Jul-89	F23				<1.80	2.80	<0.98	47.00			<3.00	<1.60	<2.00		<1.00		<0.82	<1.20			<6.20	34.00	<2.30		
01U102		25-Oct-89	F24				81.00	160.00	<0.49	75.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U102		26-Oct-89	F24				64.00	200.00	<0.49	80.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<6.20	<6.80	<2.30		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U102		16-Apr-90	F26			250.00	270.00	<1.00	77.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U102		17-Apr-90	F26																			10.90	<0.87	<8.28		
01U102		17-Jul-90	F27			250.00	300.00	<1.00	130.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	6.90	<0.87	<8.28		
01U102		19-Sep-90	F28			170.00	170.00	<1.00	170.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			ND	ND	ND		
01U102		21-Sep-90	F28			170.00	190.00	<1.00	190.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U102	(4)	21-Sep-90	F28			190.00	190.00	<1.00	200.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U102		13-Mar-91	F30			170.00	160.00	<10.00	650.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00	41.00	<8.70	<82.80		
01U102		05-Jun-91	F31			180.00	91.00	<5.00	440.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00	16.00	<4.40	<41.00		
01U102		05-Jun-91	M31			130.00	63.00	<2.50		100.00	0.60	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.50	<1.00	<1.00	<2.50	14.00	<1.00		<1.00	<1.00
01U102		30-Jul-91	F32			83.00	76.00	<4.90	140.00			<15.00	<8.10	<9.90	<7.20	<5.10	<11.00	<4.10	<6.20	<45.00	<18.00					
01U102		30-Jul-91	M32			140.00	54.00	<2.50		47.00	<0.50	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.50	<1.00	<1.00	<2.50	5.00	<1.00		<1.00	<1.00
01U102		03-Sep-91	F32			120.00	85.00	<5.00	250.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00	5.90	<4.40	<41.00		
01U102		09-Mar-92	F34	BFI 012																		<3.09	<3.39	<1.17		
01U102		09-Mar-92	F34	BFQ 015		180.00	47.00	<5.00		98.00	<5.30	<20.00	<5.80	<7.60	<4.90	<23.00	<6.00	<5.40	<20.00	<22.00	<7.00					
01U102		09-Mar-92	M34			150.00	41.00	<2.50		95.00	<0.50	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.50	<1.00	<1.00	<2.50	<1.00	<1.00		<1.00	<1.00
01U102		01-Jun-92	F35	BIW 005		45.3	140.00	<1.01		<4.10	<4.47	<1.20	<1.16	<1.52	<0.97	<4.63	<1.41	<1.06	<3.94	130	<1.08					
01U102		01-Jun-92	F35	BIX 005																		<3.09	<3.39	<1.17		
01U102		01-Jun-92	F35	BIY 012		140.00				130.00																
01U102		01-Sep-92	F36	BMG 005																		4.57	<3.39	<1.17		
01U102		20-Oct-92	F36	IBK 005		130.00	61.00	<10.00	490.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U102		02-Mar-93	F38	FLV 008																		19.00	<17.00	<170.00		
01U102	(4)	02-Mar-93	F38	IBU 008		79.00	88.00	<20.00	590.00			<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
01U102		02-Jun-93	F39	FLX 005																		17.00	<8.70	<83.00		
01U102		02-Jun-93	F39	IHV 011		150.00	160.00	<10.00	590.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U102	(4)	02-Jun-93	F39	FLX 006																		14.90	<0.87	<8.28		
01U102	(4)	02-Jun-93	F39	IHV 012		77.60	160.00	<1.00	540.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U102		08-Sep-93	F40	IHZ 012		55.00	39.00	<20.00	630.00			<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
01U102		11-Mar-94	F42	ITC 010	NC																	7.96	<0.87	<8.28		
01U102		11-Mar-94	F42	IUF 009	NC	36.50	12.60	<1.00	540.00			<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
01U102		10-Jun-94	F43	ITN 004	125865																	<0.41	<0.87	<8.28		
01U102		12-Sep-94	F44	ITT 004	NC																	<0.41	<0.87	<8.28		
01U102		12-Sep-94	F44	IVU 004	NC	9.91	1.71	<1.00	2.27			<1.90	<1.00	<1.00	<0.78	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
01U103		11-Nov-87	F16																			<3.09	<3.39	1.48		
01U103		16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U103		18-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U103		08-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U103		11-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U103		25-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U103		26-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U103		25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	11.40	<1.17		
01U103		27-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	11.40	<1.17		
01U103		25-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U103		26-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U103		16-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U103		13-Mar-91	F30			6.20	<2.50	<5.00	<2.50			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00	<0.41	<0.87	<8.28		
01U103		30-Jul-91	F32			0.76	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U103		05-Mar-92	F34	BFF 012		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U103		05-Mar-92	F34	BFG 012																		<3.09	<3.39	<1.17		
01U103		01-Mar-93	F38	IBP 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U103		08-Sep-93	F40	IHZ 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U103		07-Mar-94	F42	ITA 008	NC																	<0.41	<0.87	<8.28		
01U103		11-Mar-94	F42	ITC 011	NC																	<0.41	<0.87	<8.28		
01U103		07-Jun-94	F43	ITH 013	124044																	<0.41	<0.87	<8.28		
01U103		07-Sep-94	F44	ITP 006	208191																	<0.41	<0.87	<8.28		
01U104		06-Mar-92	F34	BFH 012		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U104		08-Mar-94	F42	ITB 005	48275																					
01U104		07-Jun-94	F43	ITJ 004	124044																	<0.41	<0.87	<8.28		
01U104		07-Sep-94	F44	ITP 008	208191																	<0.41	<0.87	<8.28		
01U105		06-Mar-92	F34	BFH 013		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U105		01-Mar-93	F38	IBP 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U105		09-Mar-94	F42	ITB 008	48275																					
01U105		09-Mar-94	F42	IUE 004	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U105		07-Jun-94	F43	ITH 014	124044																	<0.41	<0.87	<8.28		
01U105		08-Sep-94	F44	ITR 007	209724																	<0.41	<0.87	<8.28		
01U106		30-Jul-91	F32			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U106		05-Mar-92	F34	BFH 006		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U106		01-Mar-93	F38	IBP 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U106		08-Mar-94	F42	ITA 014	48275																	<0.41	<0.87	<8.28		
01U106		08-Mar-94	F42	IUD 008	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U106		07-Jun-94	F43	ITH 012	124044																	<0.41	<0.87	<8.28		
01U106		07-Sep-94	F44	ITP 005	208191																	<0.41	<0.87	<8.28		
01U107		08-Apr-88	F18			<1.00	<0.54	<1.00	<1.49			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U107		08-Aug-88	F19			<1.00	<0.50	<1.00	1.04			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U107		15-Nov-88	F20			2.19	0.88	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U107		25-Apr-89	F22			<1.00	<0.50	<1.00	0.63			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U107		25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U107		27-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U107		25-Oct-89	F24			<0.88	1.43	<0.49	1.23			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U107		26-Apr-90	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<1.17		
01U107		13-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U107		08-Mar-94	F42	ITA 012	48275																	<0.41	<0.87	<8.28		
01U107		07-Jun-94	F43	ITH 011	124044																	<0.41	<0.87	<8.28		
01U107		06-Sep-94	F44	ITR 017	208191																	<0.41	<0.87	<8.28		
01U108		10-Dec-85	F8			1100.00	520.00		510.00																	
01U108		18-Mar-86	F9			990.00	520.00		590.00																	
01U108		07-Jul-86	F11			930.00	300.00		530.00																	
01U108		17-Nov-87	F16			260.00	150.00	<12.00	670.00			<38.00	<20.00	<25.00	<18.00	<13.00	<28.00	<10.00	<16.00	<110.00	<45.00	<3.09	<3.39	<1.17		
01U108		11-Apr-88	F18			900.00	550.00	<1.00	800.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			4.50	<0.87	<8.28		
01U108		25-Aug-88	F19			1000.00	750.00	<20.00	720.00			<38.00	<20.00	<20.00		<10.00		<14.00	<20.00							
01U108		15-Nov-88	F20			640.00	480.00	<20.00	300.00			<38.00	<20.00	<20.00		<10.00		<14.00	<20.00							
01U108		21-Feb-89	F21			620.00	400.00	<1.00	310.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		21-Mar-89	F21			410.00	230.00	<1.00	170.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		24-Apr-89	F22			380.00	280.00	<1.00	110.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		24-Apr-89	F22			420.00	300.00	12.00	120.00			<19.00	<10.00	<10.00		<5.00		<7.20	<10.00			<4.10	<8.70	<83.00		
01U108		23-May-89	F22			150.00	95.00	<1.00	30.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		23-Jun-89	F22			590.00	340.00	<1.00	80.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		17-Jul-89	F23			380.00	200.00	<1.00	71.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		28-Aug-89	F23			440.00	210.00	<1.00	62.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		03-Oct-89	F24			150.00	64.00	<1.00	40.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		24-Oct-89	F24			180.00	160.00	<12.00	100.00			<38.00	<20.00	<25.00		<13.00		<10.00	<16.00			<77.00	<85.00	<29.00		
01U108		24-Oct-89	F24			280.00	33.00	<1.00	67.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		22-Nov-89	F24			140.00	72.00	<1.00	48.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		19-Dec-89	F24			99.00	45.00	<1.00	30.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		23-Jan-90	F25			200.00	110.00	<1.00	63.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		20-Feb-90	F25			170.00	110.00	<1.00	61.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		20-Mar-90	F25			240.00	140.00	<1.00	68.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		16-Apr-90	F26			230.00	160.00	<20.00	76.00			<38.00	<20.00	<20.00		<10.00		<14.00	<20.00							
01U108		16-Apr-90	F26			200.00	150.00	<1.00	70.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		22-May-90	F26			76.20	45.00	<1.00	18.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		19-Jun-90	F26			68.30	9.94	<1.00	15.90			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		17-Jul-90	F27			75.00	42.00	<1.00	14.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U108		17-Jul-90	F27			68.00	39.00	<1.00	13.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		21-Aug-90	F27			110.00	62.00	<1.00	14.10			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		18-Sep-90	F28			140.00	73.00	<1.00	20.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U108	(4)	18-Sep-90	F28			120.00	67.00	<1.00	19.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U108		19-Sep-90	F28			110.00	63.00	<1.00	18.40			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		22-Oct-90	F28			120.00	54.00	<1.00	12.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		22-Oct-90	F29			133.00	57.40	<1.00	12.80			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		20-Nov-90	F29			100.99	59.55	<1.00	15.31			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		18-Dec-90	F29			70.09	35.52	<1.00	12.42			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		22-Jan-91	F30			160.00	86.00	<5.00	33.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U108		19-Feb-91	F30			94.00	49.10	<1.00	19.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		19-Mar-91	F30			84.30	50.00	<1.00	19.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U108		19-Mar-91	M30			73.00	43.00	<1.30		26.00	<0.30	<2.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	<0.50	<1.30	<0.50	<0.50		<0.50	<0.50

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U108		16-Apr-91	F31			240.00	170.00	<5.00	6.50		<7.50	<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U108		18-May-91	F31			94.80	67.00	<1.00	17.80			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U108		05-Jun-91	F31																			<0.41	<0.87	<8.28		
01U108		18-Jun-91	F31			180.00	120.00	<5.00	27.00		<1.50	<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U108		23-Jul-91	F32			180.00	110.00	<5.00	20.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U108		30-Jul-91	F32			180.00	240.00	<12.00	47.00			<38.00	<20.00	<25.00	<18.00	<13.00	<28.00	<10.00	<16.00	<110.00	65.00					
01U108		19-Aug-91	F32			150.00	84.00	<2.00	15.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40	<0.41	<0.87	<8.28		
01U108		17-Sep-91	F32			130.00	82.00	<2.00	15.40			<3.80	<2.00	<2.00	<1.56	<1.00	<2.60	<1.44	<2.00	<2.00	<6.40	<0.41	<0.87	<8.28		
01U108		22-Oct-91	F33	GEX 005		130.00	97.00	<1.00	21.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		19-Nov-91	F33	GEZ 006		36.40	24.70	<1.00	8.59			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		17-Dec-91	F33	GNC 004		20.60	12.00	<1.00	3.21			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		21-Jan-92	F34	GNE 004		270.00	240.00	<5.00	71.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U108		18-Feb-92	F34	GNF 009		70.20	69.00	<1.00	17.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		05-Mar-92	F34	BFF 010		13.90	12.80	<1.01		3.86	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U108		05-Mar-92	F34	BFG 010																		<3.09	<3.39	<1.17		
01U108		17-Mar-92	F34	GNP 006		130.00	97.00	<5.00	28.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U108		13-Apr-92	F35	GNR 004		5.02	5.14	<1.00	1.58			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		18-May-92	F35	GNT 008		72.00	52.00	<5.00	15.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U108		01-Jun-92	F35	BIX 006																		<3.09	<3.39	<1.17		
01U108		16-Jun-92	F35	GNZ 006		5.94	2.70	<1.00	2.44			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		21-Jul-92	F36	IBB 005		66.00	49.00	<5.00	20.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U108		18-Aug-92	F36	IBD 006		120.00	71.00	<2.00	28.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U108		01-Sep-92	F36	BMG 008																		<3.09	<3.39	<1.17		
01U108	(4)	01-Sep-92	F36	BMG 009																		<3.09	<3.39	<1.17		
01U108		15-Sep-92	F36	IBI 005		29.10	11.90	<1.00	5.25			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		20-Oct-92	F36	IBK 006		22.80	23.60	<1.00	14.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		03-Nov-92	F37	IBL 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		01-Dec-92	F37	IBM 005		210.00	210.00	<10.00	190.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U108		05-Jan-93	F38	IBN 007		53.00	67.00	<2.00	57.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U108		02-Feb-93	F38	IBO 005		31.00	34.00	<2.00	17.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U108		02-Mar-93	F38	IBR 004		25.40	27.70	<1.00	10.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		19-Apr-93	F39	IHQ 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		07-May-93	F39	IHS 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108	(4)	07-May-93	F39	IHS 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		01-Jun-93	F39	IHU 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		22-Jul-93	F40	IHX 004		3.92	2.74	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		16-Aug-93	F40	IHY 005		22.10	8.59	<1.00	4.67			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		14-Sep-93	F40	IKD 005		13.90	5.68	<1.00	5.45			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		27-Oct-93	F41	IKJ 008	274500	12.40	8.08	<1.00	7.81			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		09-Dec-93	F41	IKL 007	NC	(7) 34.9	(7) 22.2	<1.00	15.80			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	(7) <0.72	<1.00	<1.00	<3.20					
01U108	(4)	09-Dec-93	F41	IKL 005	NC	(7) 4.93	(7) 2.61	<1.00	13.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	(7) 11.5	<1.00	<1.00	<3.20					
01U108		27-Jan-94	F42	IKN 005	13234	17.00	12.80	<1.00	2.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		15-Feb-94	F42	IKO 007	29327	58.20	35.30	<1.00	3.13			<1.90	<1.00	<1.00	<0.78	0.85	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		15-Mar-94	F42	ITD 008	53384																	<0.41	<0.87	<8.28		
01U108		15-Mar-94	F42	IUI 007	53384	4.44	1.60	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.33	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		21-Apr-94	F43	IUZ 007	83402	0.83	0.39	<1.00	15.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		08-Jun-94	F43	ITI 007	124044																	<0.41	<0.87	<8.28		
01U108		08-Jun-94	F43	IVE 007	124044	2.72	1.06	<1.00	0.91			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U108		07-Sep-94	F44	ITP 014	208191																	<0.41	<0.87	<8.28		
01U109		08-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U109		08-Mar-94	F42	ITB 007	48275																	<0.41	<0.87	<8.28		
01U109		07-Jun-94	F43	ITJ 006	124044																	<0.41	<0.87	<8.28		
01U109		12-Sep-94	F44	ITU 005	NC																	<0.41	<0.87	<8.28		
01U110		08-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U110		08-Mar-94	F42	ITB 006	48275																	<0.41	<0.87	<8.28		
01U110		07-Jun-94	F43	ITJ 005	124044 (6)																	<0.41	<0.87	<8.28		
01U110		12-Sep-94	F44	ITU 004	NC (6)																	<0.41	<0.87	<8.28		
01U115		11-Nov-87	F16			<2.20	12.00	<1.20	43.00			<3.80	<2.00	<2.50	<1.80	<1.30	<2.80	<1.00	<1.60	<11.00	<4.50	<3.09	<3.39	<1.17		
01U115		16-Nov-87	F16			<0.88	3.70	<0.49	16.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U115		11-Apr-88	F18			<1.00	13.10	<1.00	32.70			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U115		09-Aug-88	F19			<1.00	6.04	<1.00	24.40			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U115		15-Nov-88	F20			1.21	9.72	<1.00	18.60			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U115		24-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U115		25-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<0.62			<3.09	<3.39	<8.28		
01U115		25-Jul-89	F23			<0.88	6.53	<0.49	14.30			<1.50	<0.81	<0.99		<0.51		<0.41	<1.00			<0.41	<0.87	<8.28		
01U115		27-Jul-89	F23			<0.88	8.29	<0.49	15.30			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U115		25-Oct-89	F24			<0.88	4.19	<0.49	9.17			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U115		27-Oct-89	F24			<0.88	5.32	<0.49	9.84			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U115		19-Apr-90	F26			<1.00	5.71	<1.00	6.99			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<1.17		
01U115		17-Jul-90	F27			<1.00	0.91	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<1.17		
01U115		19-Sep-90	F28			<1.00	4.21	<1.00	4.92			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<1.17		
01U115		20-Sep-90	F28			<1.00	4.52	<1.00	5.36			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U115		19-Mar-91	F30			<1.00	2.86	<1.00	42.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U115		19-Mar-91	M30			<0.20	2.70	<0.50		5.50	0.90	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U115		05-Jun-91	F31			<1.00	4.21	<1.00	5.28			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U115		05-Jun-91	M31			<0.20	3.60	<0.50		1.10	0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<1.00	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U115		30-Jul-91	F32			<0.88	3.42	<0.49	1.94			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U115		03-Sep-91	F32			<1.00	3.10	<1.00	2.18			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U115		09-Mar-92	F34	BFI 007																		<3.09	<3.39	<1.17		
01U115		09-Mar-92	F34	BFQ 008		<2.41	5.94	<1.01		19.20	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U115		09-Mar-92	M34			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U115		01-Jun-92	F35	BIW 006		<2.41	5.12	<1.01		9.24	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U115		01-Jun-92	F35	BIX 008																		<3.09	<3.39	<1.17		
01U115		01-Sep-92	F36	BMF 005		<2.41	7.80	<1.01		13.00	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U115		01-Sep-92	F36	BMG 006																		<3.09	<3.39	<1.17		
01U115		01-Mar-93	F38	IBP 015		<1.00	7.97	<1.00	17.90			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		01-Jun-93	F39	IHU 010		<1.00	7.90	<1.00	9.67			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115	(4)	01-Jun-93	F39	IHU 011		<1.00	6.96	<1.00	8.88			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		07-Sep-93	F40	IHZ 006		<1.00	4.52	<1.00	50.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		27-Oct-93	F41	IKI 005	247500	<1.00	5.53	<1.00	46.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		27-Oct-93	M41			<0.20	6.00	<0.50		42.00	2.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U115		10-Mar-94	F42	ITC 004	48771																	0.49	<0.87	<8.28		
01U115		10-Mar-94	F42	IUF 004	48771	<1.00	7.02	56.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		09-Jun-94	F43	ITL 007	124850 (6)																	0.26	<0.87	<8.28		
01U115		09-Sep-94	F44	ITS 006	NC																	<0.41	<0.87	<8.28		
01U115		09-Sep-94	F44	IVT 006	NC	<1.00	1.50	14.70	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U116		11-Nov-87	F16			<0.88	2.65	<0.49	24.70			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U116		16-Nov-87	F16			<0.88	2.09	<0.49	23.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U116		06-Apr-88	F18			<1.00	2.22	<1.00	10.30			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U116		09-Aug-88	F19			<1.00	4.15	<1.00	9.12			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U116		15-Nov-88	F20			<1.00	4.60	<1.00	4.59			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U116		24-Apr-89	F22			<1.00	0.85	1.11	0.66			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U116		25-Apr-89	F22			<1.00	0.80	1.03	0.61			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U116		25-Jul-89	F23			<0.88	3.40	<0.49	1.54			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U116		27-Jul-89	F23			<0.88	4.31	<0.49	1.65			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U116		25-Oct-89	F24			<0.88	2.65	<0.49	1.80			<1.50	<0.81	<0.99		<0.51		0.48	<0.62			<3.09	<3.39	<8.28		
01U116		27-Oct-89	F24			<0.88	3.36	<0.49	1.93			<1.50	<0.81	<0.99		<0.51		0.31	<0.62			<3.09	<3.39	<1.17		
01U116		19-Apr-90	F26			<1.00	4.27	<1.00	1.52			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<1.17		
01U116		19-Mar-91	F30			<1.00	2.23	<1.00	1.04			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U116		30-Jul-91	F32			<0.88	3.68	<0.49	1.64			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U116		06-Mar-92	F34	BFI 006																		<3.09	<3.39	<1.17		
01U116		06-Mar-92	F34	BFQ 006		<2.41	2.68	<1.01		1.21	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U116		01-Mar-93	F38	IBP 014		<1.00	2.20	<1.00	2.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U116		09-Mar-94	F42	ITA 020	48275																	<0.41	<0.87	<8.28		
01U116		09-Mar-94	F42	IUD 014	48275	<1.00	2.09	<1.00	6.85			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U116		08-Jun-94	F43	ITJ 010	124044																	<0.41	<0.87	<8.28		
01U116		08-Sep-94	F44	ITS 004	209724																	<0.41	<0.87	<8.28		
01U116		08-Sep-94	F44	IVT 004	209724	<1.00	1.67	<1.00	2.34			<1.90	<1.00	<1.00	<0.78	0.55	<1.30	<0.72	<1.00	<1.00	<3.20					
01U117		11-Nov-87	F16			14.00	7.00	<1.20	51.00			<3.80	<2.00	<2.50	<1.80	<1.30	<2.80	<1.00	<1.60	<11.00	<4.50	<3.09	<3.39	<1.17		
01U117		16-Nov-87	F16			7.20	2.20	<0.49	19.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U117		06-Apr-88	F18			50.20	22.90	<1.00	44.40			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U117		09-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U117		15-Nov-88	F20			52.90	21.80	<1.00	39.90			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U117		25-Apr-89	F22			78.20	17.20	1.24	1.58			<1.90	<1.00	<1.00		<0.50		0.84	<1.00			1.28	<0.87	<8.28		
01U117		25-Jul-89	F23			15.40	3.16	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U117	27-Jul-89	F23			12.10	4.01	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U117	25-Oct-89	F24			11.70	10.10	<0.49	60.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U117	27-Oct-89	F24			9.21	12.80	<0.49	64.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U117	25-Apr-90	F26			10.27	13.63	<1.00	7.84			<1.90	<1.00	<1.00	<0.78	0.99	<1.30	<0.72	<1.00	<1.00	<3.20	2.08	8.33	<8.28		
01U117	19-Mar-91	F30			5.84	21.40	<1.00	200.00			<1.90	1.35	<1.00	<0.78	<0.50	<1.30	<0.72	1.07	<1.00	<3.20	0.69	<0.87	<8.28		
01U117	11-Jun-91	M31			8.10	2.10	<0.50		4.30	0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<1.00	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U117	30-Jul-91	F32			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U117	30-Jul-91	F32			<8.80	38.00	<4.90	98.00			<15.00	<8.10	<9.90	<7.20	<5.10	<11.00	<4.10	<6.20	<45.00	17.00					
01U117	09-Mar-92	F34	BFI 009																		<3.09	<3.39	<1.17		
01U117	09-Mar-92	F34	BFQ 013		6.78	39.00	<5.00		130.00	6.70	<20.00	<5.80	<7.60	<4.90	<23.00	<6.00	<5.40	<20.00	<22.00	9.10					
01U117	09-Mar-92	M34			6.10	32.00	<1.00		120.00	4.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.40	<0.40	<1.00	<0.40	<0.40		<0.40	<0.40
01U117	02-Mar-93	F38	FLV 004																		<2.00	<4.40	<41.00		
01U117	02-Mar-93	F38	IBU 004		<5.00	47.00	<5.00	160.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U117	01-Jun-93	F39	IHU 009		3.80	28.00	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U117	07-Sep-93	F40	IHZ 007		4.57	13.70	<1.00	43.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	2.47	<1.00	<1.00	<3.20					
01U117	10-Mar-94	F42	ITC 009	NC (6)																	1.01	<0.87	<8.28		
01U117	10-Mar-94	F42	IUF 008	NC (6)	2.54	27.40	<1.00	78.00			<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
01U117	08-Jun-94	F43	ITL 004	124044																	0.64	<0.87	<8.28		
01U117	09-Sep-94	F44	ITS 011	NC (6)																	<0.41	<0.87	<8.28		
01U117	09-Sep-94	F44	IVT 011	NC (6)	2.49	11.90	<1.00	36.20			<1.90	<1.00	<1.00	<0.78	0.41	<1.30	2.56	<1.00	<1.00	<3.20					
01U118	11-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U118	16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U118	07-Apr-88	F18			<1.00	1.41	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U118	09-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U118	15-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U118	25-Apr-89	F22			<1.00	<0.50	1.28	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U118	25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U118	27-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U118	25-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U118	27-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U118	25-Apr-90	F26			<1.00	0.78	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			0.68	2.68	<1.17		
01U118	19-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U118	08-Mar-94	F42	ITB 004	48275																	<0.41	<0.87	<8.28		
01U118	07-Jun-94	F43	ITH 007	124044																	<0.41	<0.87	<8.28		
01U118	06-Sep-94	F44	ITR 014	208191																	<0.41	<0.87	<8.28		
01U119	11-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U119	16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U119	07-Apr-88	F18			<1.00	0.77	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U119	12-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U119	15-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U119	25-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U119	26-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U119	25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U119	27-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U119	25-Oct-89	F24			<0.88	<1.10	<0.49	1.10			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U119	27-Oct-89	F24			<0.88	<1.10	<0.49	1.18			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U119	06-Mar-92	F34	BFQ 007		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U119	01-Mar-93	F38	IBP 009		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U119	08-Mar-94	F42	ITA 015	48275 (6)																	<0.41	<0.87	<8.28		
01U119	08-Mar-94	F42	IUD 009	48275 (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U119	07-Jun-94	F43	ITH 010	124044 (6)																	<0.41	<0.87	<8.28		
01U119	07-Jun-94	F43	ITL 005	124044 (6)																	<0.41	<0.87	<8.28		
01U119	07-Sep-94	F44	ITP 007	208191																	<0.41	<0.87	<8.28		
01U120	11-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U120	16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U120	07-Apr-88	F18			<1.00	2.23	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U120	12-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U120	15-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U120	25-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U120	27-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U120	25-Jul-89	F23			<0.88	1.11	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U120	27-Jul-89	F23			<0.88	1.41	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U120		25-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U120		27-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U120		25-Apr-90	F26			<1.00	0.71	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			1.31	6.17	<8.28		
01U120		19-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U120		30-Jul-91	F32			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U120		06-Mar-92	F34	BFI 005																		<3.09	<3.39	<1.17		
01U120		06-Mar-92	F34	BFQ 005		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U120		01-Mar-93	F38	IBP 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U120		09-Mar-94	F42	ITA 019	48275																	<0.41	<0.87	<8.28		
01U120		09-Mar-94	F42	IUD 013	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U120		08-Jun-94	F43	ITJ 009	124044																	<0.41	<0.87	<8.28		
01U120		08-Sep-94	F44	ITR 006	209724																	<0.41	<0.87	<8.28		
01U122		09-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U122		05-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U122		08-Aug-88	F19			<1.00	1.11	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U122		11-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U125		16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U125		08-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U125		11-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U125		12-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U125		17-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U125		01-May-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<5.00	14.00	13.00		
01U125		13-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U125	(4)	13-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U125		30-Jul-91	F32			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<0.41	<0.87	<8.28		
01U125		05-Mar-92	F34	BFF 014		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U125		05-Mar-92	F34	BFG 014																		<3.09	<3.39	<1.17		
01U125	(4)	05-Mar-92	F34	BFF 013		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U125	(4)	05-Mar-92	F34	BFG 013																		<3.09	<3.39	<1.17		
01U125		02-Mar-93	F38	IBR 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U125		10-Mar-94	F42	ITC 008	NC																	<0.41	<0.87	<8.28		
01U125		10-Mar-94	F42	IUF 007	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
01U125		09-Jun-94	F43	ITL 015	124850																	<0.41	<0.87	<8.28		
01U125		09-Jun-94	F43	ITL 018	124850																	<0.41	<0.87	<8.28		
01U125		09-Sep-94	F44	ITS 009	NC																	<0.41	<0.87	<8.28		
01U125		09-Sep-94	F44	IVT 009	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
01U126		16-Nov-87	F16			16.00	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U126		08-Dec-87	F16			25.00	<2.20	<1.00	<1.10			<3.00	<1.60	<2.00	<1.40	<1.00	<2.20	<0.82	<1.20	<9.00	<3.60	<3.09	<3.39	<1.17		
01U126		06-Apr-88	F18			37.60	0.79	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U126		12-Aug-88	F19			30.80	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U126		17-Nov-88	F20			34.70	2.11	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U126		24-Apr-89	F22			5.41	0.70	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U126		25-Apr-89	F22			4.90	0.65	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U126		25-Jul-89	F23			4.85	1.39	<0.49	1.20			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U126		27-Jul-89	F23			3.82	1.76	<0.49	1.29			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U126		25-Oct-89	F24			2.29	2.14	<0.49	1.37			<1.50	<0.81	<0.99		<0.51		0.33	<0.62			<3.09	<3.39	<1.17		
01U126		01-May-90	F26			5.85	0.79	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.93	6.07	<8.28		
01U126		13-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U126		30-Jul-91	F32			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U126		09-Mar-92	F34	BFI 013																		<3.09	<3.39	<1.17		
01U126		09-Mar-92	F34	BFQ 011		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U126		09-Mar-92	M34			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U126		02-Mar-93	F38	IBR 009		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U126	(4)	02-Mar-93	F38	IBR 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U126		09-Mar-94	F42	ITA 017	48275																	<0.41	<0.87	<8.28		
01U126		09-Mar-94	F42	IUD 011	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U126		07-Jun-94	F43	ITJ 007	124044																	<0.41	<0.87	<8.28		
01U126		07-Sep-94	F44	ITR 004	208191 (6)																	<0.41	<0.87	<8.28		
01U127		16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U127		11-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U127		06-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U127		12-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U127		14-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U127		25-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U127		26-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U127		25-Oct-89	F24			<0.88	1.45	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U127		01-May-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U127		13-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U127		30-Jul-91	F32			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U127		05-Mar-92	F34	BFF 015		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U127		05-Mar-92	F34	BFG 015																		<3.09	<3.39	<1.17		
01U127		01-Mar-93	F38	IBP 012		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U127		09-Mar-94	F42	ITA 018	124044																	<0.41	0.49	<8.28		
01U127		09-Mar-94	F42	IUD 012	48275	1.30	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	1.30	<3.20					
01U127		07-Jun-94	F43	ITJ 008	124044																	<0.41	<0.87	<8.28		
01U127		07-Sep-94	F44	ITR 005	208191																	<0.41	<0.87	<8.28		
01U128		09-Dec-87	F16			<1.80	<2.20	<1.00	41.00			<3.00	<1.60	<2.00	<1.40	<1.00	<2.20	<0.82	<1.20	<9.00	<3.60	<3.09	<3.39	<1.17		
01U128		05-Apr-88	F18			<1.00	<0.50	<1.00	34.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U128		08-Aug-88	F19			<1.00	<0.50	<1.00	41.30			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U128		16-Nov-88	F20			<1.00	<0.50	<1.00	30.70			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	17.00	22.60		
01U128		24-Mar-93	A38	IHO 004		<1.00	<0.50	<1.00	30.50		2.57	<1.90	<1.00	<1.00	1.20	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U128	(4)	24-Mar-93	A38	IHO 005		<1.00	<0.50	<1.00	28.20		2.17	<1.90	<1.00	<1.00	0.97	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U128		01-Mar-94	A42	IKQQ 012	39039	<1.00	<0.50	<1.00	26.80		2.60	<1.90	<1.00	<1.00	1.15	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U128		01-Mar-94	M42			<1.00	<0.5	<1.00		32.00	4.00	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
01U130		07-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U130		07-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U130		15-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U130		21-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U133		16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U133		11-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U133		12-Aug-88	F19			<1.00	<0.50	<1.00	0.61			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U133		14-Nov-88	F20			<1.00	<0.50	<1.00	0.62			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U133		26-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U133		07-Mar-94	F42	ITA 009	NC																	<0.41	<0.87	<8.28		
01U133		08-Jun-94	F43	ITJ 012	124044																	<0.41	<0.87	<8.28		
01U133		08-Sep-94	F44	ITQ 005	209724																	<0.41	<0.87	<8.28		
01U135		21-Nov-88	F20			<1.00	<0.50	<1.00	0.66			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U135		25-Apr-89	F22			<1.00	<0.50	<1.00	1.07			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U135		25-Jul-89	F23			<0.88	<1.10	<0.49	0.71			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	29.40	<8.28		
01U135		26-Jul-89	F23			<0.88	<1.10	<0.49	0.76			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U135		25-Oct-89	F24			<0.88	<1.10	<0.49	1.46			<1.50	<0.81	<0.99		<0.51		0.31	<0.62			<3.09	29.40	<1.17		
01U135		19-Apr-90	F26			<1.00	1.38	<1.00	1.41			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U135		13-Mar-91	F30			<1.00	<0.50	<1.00	0.98			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U135		05-Mar-92	F34	BFF 007		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U135		05-Mar-92	F34	BFG 007																		<3.09	<3.39	<1.17		
01U135		01-Mar-93	F38	IBQ 005		<1.00	<0.50	<1.00	0.73			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U135	(4)	01-Mar-93	F38	IBQ 006		<1.00	<0.50	<1.00	0.71			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U135		09-Mar-94	F42	ITB 015	48275																	<0.41	<0.87	<8.28		
01U135		09-Mar-94	F42	IUE 009	48275	<1.00	<0.50	<1.00	0.55			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U135		08-Jun-94	F43	ITJ 016	124044																	<0.41	<0.87	<8.28		
01U135		08-Sep-94	F44	ITQ 009	209724																	<0.41	<0.87	<8.28		
01U136		21-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U136		25-Apr-89	F22			<1.00	<0.50	1.26	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U136		25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<8.28		
01U136		26-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U136		25-Oct-89	F24			<0.88	<1.10	<0.49	1.16			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U136		19-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.66	<0.87	<8.28		
01U136		13-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U136		05-Mar-92	F34	BFF 006		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U136		05-Mar-92	F34	BFG 006																		<3.09	<3.39	<1.17		
01U136		02-Mar-93	F38	IBR 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U136		09-Mar-94	F42	ITB 013	48275																	<0.41	<0.87	<8.28		
01U136		09-Mar-94	F42	IUE 007	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U136		08-Jun-94	F43	ITJ 015	124044																	<0.41	<0.87	<8.28		
01U136		08-Sep-94	F44	ITQ 008	209724																	<0.41	<0.87	<8.28		
01U137		29-Jul-91	F32			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U137		30-Jul-91	M32			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U137		06-Mar-92	F34	BFH 011		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U137		01-Mar-93	F38	IBP 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U137		08-Mar-94	F42	ITA 010	48275																	<0.41	<0.87	<8.28		
01U137		08-Mar-94	F42	IUD 006	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U137		07-Jun-94	F43	ITH 008	124044																	<0.41	<0.87	<8.28		
01U137		06-Sep-94	F44	ITR 015	208191																	<0.41	<0.87	<8.28		
01U138		29-Jul-91	F32			<0.88	<1.10	<0.49	1.23			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U138		29-Jul-91	M32			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U138		06-Mar-92	F34	BFH 008		<2.41	1.30	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U138		02-Mar-93	F38	IBR 011		<1.00	1.58	<1.00	0.79			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U138		10-Mar-94	F42	ITC 007	NC																	<0.41	<0.87	<8.28		
01U138		10-Mar-94	F42	ITD 004	NC																	<0.41	<0.87	<8.28		
01U138		10-Mar-94	F42	IUF 006	NC	<1.00	0.87	<1.00	0.37			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U138		09-Jun-94	F43	ITL 014	124850																	<0.41	<0.87	<8.28		
01U138		09-Sep-94	F44	ITS 008	NC																	<0.41	<0.87	<8.28		
01U138		09-Sep-94	F44	IVT 008	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.36	<1.30	<0.72	<1.00	<1.00	<3.20					
01U139		29-Jul-91	F32			<0.88	3.89	<0.49	19.60			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U139		29-Jul-91	M32			<0.20	2.60	<0.50		6.60	0.40	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.40	<0.20		<0.20	<0.20
01U139		30-Jul-91	M32			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U139		06-Mar-92	F34	BFH 015		<12.00	<5.20	<5.10		130.00	8.50	<21.00	<5.80	<7.60	<4.90	<23.00	<6.00	<5.40	<20.00	<22.00	12.00					
01U139		02-Mar-93	F38	FLV 007																		11.00	<4.40	<41.00		
01U139		02-Mar-93	F38	IBU 007		<5.00	<2.50	<5.00	160.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U139		07-Sep-93	F40	IHZ 008		<5.00	4.20	<5.00	160.00			<9.50	6.20	<5.00	<3.90	<2.50	<6.50	4.30	<5.00	<5.00	<16.00					
01U139		27-Oct-93	F41	IKI 004	274500	<1.00	2.29	<1.00	240.00			<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U139		27-Oct-93	M41			<0.20	2.70	<0.50		130.00	7.70	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U139		10-Mar-94	F42	ITB 014	48771																	39.00	<8.70	<83.00		
01U139		10-Mar-94	F42	IUE 008	48771	<10.00	<5.00	<10.00	290.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U139		10-Mar-94	M42			<1.00	1.60	<1.00		180.00	7.30	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	55.00	<1.00		<1.00	1.20
01U139		08-Jun-94	F43	ITJ 017	124044 (6)																	4.66	<0.87	7.41		
01U139		08-Jun-94	F43	ITL 006	124044 (6)																	4.49	<0.87	<8.28		
01U139		09-Sep-94	F44	ITR 012	NC																	1.09	<0.87	<8.28		
01U140		29-Jul-91	F32			<0.88	1.76	<0.49	13.00			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U140		29-Jul-91	M32			<0.20	0.30	<0.50		4.70	0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<1.00	<0.20	<0.20	<0.50	4.90	<0.20		<0.20	<0.20
01U140		06-Mar-92	F34	BFH 014		<24.00	<10.00	<10.00		190.00	<11.00	<41.00	<12.00	<15.00	<9.70	<46.00	<12.00	<11.00	<39.00	<45.00	19.00					
01U140		02-Mar-93	F38	FLV 006																		23.00	<8.70	<83.00		
01U140		02-Mar-93	F38	IBU 006		<10.00	<5.00	<10.00	290.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U140		07-Sep-93	F40	IHZ 014		<1.00	0.58	<1.00	110.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U140		07-Mar-94	F42	ITA 006	NC																	6.46	<0.87	<8.28		
01U140		07-Mar-94	F42	IUD 004	NC	<1.00	0.58	<1.00	72.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U140		07-Mar-94	M42			<1.00	<0.5	<1.00		46.00	6.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	4.80	<1.00		<1.00	<1.00
01U140		08-Jun-94	F43	ITJ 018	124044																	7.61	<0.87	<8.28		
01U140		09-Sep-94	F44	ITR 013	NC																	6.20	<0.87	<8.28		
01U141		29-Jul-91	F32			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U141		29-Jul-91	M32			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U141		06-Mar-92	F34	BFH 009		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U141	(4)	06-Mar-92	F34	BFH 010		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U141		01-Mar-93	F38	IBP 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U141		08-Mar-94	F42	ITA 011	48275																	<0.41	<0.87	<8.28		
01U141		08-Mar-94	F42	IUD 007	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U141		07-Jun-94	F43	ITH 009	124044																	<0.41	<0.87	<8.28		
01U141		06-Sep-94	F44	ITR 016	208191																	<0.41	<0.87	<8.28		
01U157		10-Mar-94	F42	ITD 005	NC																	51.00	<1.70	<17.00		
01U157		13-May-94	F43	ITF 011	106330																	1.07	<0.87	<8.28		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U157		13-May-94	F43	IVB 008	106330	<1.00	1.48	<1.00	33.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	0.62	<3.20					
01U157	(4)	13-May-94	F43	ITG 005	106330																	0.86	<0.87	<8.28		
01U157	(4)	13-May-94	F43	IVC 005	106330	<1.00	1.62	<1.00	32.60			<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
01U157		09-Jun-94	F43	ITL 016	124850																	0.84	<0.87	<8.28		
01U157		09-Sep-94	F44	ITS 010	NC																	1.60	<0.87	<8.28		
01U157		09-Sep-94	F44	IVT 010	NC	<1.00	0.69	<1.00	11.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U158		10-Mar-94	F42	ITC 015	48771																					
01U158		13-May-94	F43	ITF 012	106330																	1.38	<0.87	<8.28		
01U158		13-May-94	F43	IVB 015	106330	2.20	2.80	<2.00	220.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40	24.00	<1.70	<17.00		
01U158		09-Jun-94	F43	ITL 013	124850																					
01U158		09-Jun-94	F43	ITL 017	124850																	1.92	<0.87	<8.28		
01U158		09-Sep-94	F44	ITS 007	NC																	1.51	<0.87	<8.28		
01U158		09-Sep-94	F44	IVT 007	NC	<1.00	0.68	<1.00	6.58			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.44	<0.87	<8.28		
01U350		13-Sep-88	F20			620.00	380.00	<1.00	540.00			<1.90	<1.00	91.00		14.00		<0.72	<1.00							
01U350		21-Sep-88	F20			130.00	58.00	<1.00	120.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		27-Sep-88	F20			80.50	37.00	<1.00	88.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		04-Oct-88	F20			110.00	38.00	<1.00	85.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		19-Oct-88	F20			120.00	39.00	<1.00	78.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		25-Oct-88	F20			49.40	21.10	<1.00	43.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		08-Nov-88	F20			57.40	25.90	<1.00	41.20			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		29-Nov-88	F20			38.70	19.10	<1.00	32.30			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		06-Dec-88	F20			31.00	16.00	<1.00	38.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		20-Dec-88	F20			46.70	20.00	<1.00	38.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		17-Jan-89	F21			27.00	10.00	<1.00	40.00			<1.90	<1.00	<1.00		<0.50		3.70	<1.00							
01U350		21-Feb-89	F21			24.00	16.00	<1.00	24.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		21-Mar-89	F21			22.00	13.00	<1.00	39.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		24-Apr-89	F22			30.00	16.00	<1.00	32.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		23-May-89	F22			17.00	10.00	<1.00	27.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		23-Jun-89	F22			15.00	8.00	<1.00	24.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		17-Jul-89	F23			16.00	9.00	<1.00	23.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		28-Aug-89	F23			16.00	11.00	<1.00	28.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		03-Oct-89	F24			10.00	6.00	<1.00	23.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		24-Oct-89	F24			15.00	8.00	<1.00	28.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		22-Nov-89	F24			20.00	11.00	<1.00	34.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		19-Dec-89	F24			14.00	8.00	<1.00	27.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		23-Jan-90	F25			17.00	11.00	<1.00	33.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		20-Feb-90	F25			18.00	11.00	<1.00	37.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		20-Mar-90	F25			17.00	11.00	<1.00	32.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		16-Apr-90	F26			17.00	11.00	<1.00	24.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		22-May-90	F26			13.70	9.24	<1.00	18.70			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		19-Jun-90	F26			17.80	9.94	<1.00	17.30			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		17-Jul-90	F27			20.40	10.20	<1.00	13.40			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		21-Aug-90	F27			18.50	9.89	<1.00	15.20			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		18-Sep-90	F28			20.50	10.30	<1.00	16.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U350		19-Sep-90	F28			18.60	9.62	<1.00	14.70			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		22-Oct-90	F28			27.70	12.00	<1.00	14.40			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U350		22-Oct-90	F29			30.57	12.98	<1.00	15.69			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U350		20-Nov-90	F29			30.46	13.73	<1.00	18.41			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U350		18-Dec-90	F29			23.95	13.95	<1.00	25.82			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U350		22-Jan-91	F30			24.40	12.90	<1.00	19.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U350		19-Feb-91	F30			27.90	14.70	<1.00	27.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U350		19-Mar-91	F30			25.30	13.60	<1.00	20.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U350		16-Apr-91	F31			28.90	14.50	<1.00	16.70		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.93	<1.00	<1.00	<3.20					
01U350		18-May-91	F31			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U350		05-Jun-91	F31																			<0.41	<0.87	10.50		
01U350		18-Jun-91	F31			38.60	19.30	<1.00	16.80		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U350		23-Jul-91	F32			26.30	13.70	<1.00	13.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U350		30-Jul-91	F32			19.00	19.00	<0.98	8.20			<3.00	<1.60	<2.00	<1.40	<1.00	<2.20	0.81	<1.20	<9.00	<3.60					
01U350		19-Aug-91	F32			37.10	17.40	<1.00	16.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.93	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U350		17-Sep-91	F32			<1.00	29.40	<1.00	13.90			<1.90	15.30	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U350		22-Oct-91	F33	GEX 008		22.30	10.70	<1.00	13.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.83	<1.00	<1.00	<3.20					
01U350		19-Nov-91	F33	GEZ 007		26.40	13.10	<1.00	13.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.97	<1.00	<1.00	<3.20					
01U350		17-Dec-91	F33	GNC 005		33.00	17.00	<2.00	14.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U350		21-Jan-92	F34	GNE 008		37.70	17.70	<1.00	16.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.19	<1.00	<1.00	<3.20					
01U350		18-Feb-92	F34	GNF 007		21.50	11.70	<1.00	15.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.00	<1.00	<1.00	<3.20					
01U350		05-Mar-92	F34	BGG 003																		<3.09	<3.39	16.00		
01U350		17-Mar-92	F34	GNP 008		31.40	14.00	<1.00	16.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U350		13-Apr-92	F35	GNR 009		41.80	18.20	<1.00	18.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.24	<1.00	<1.00	<3.20					
01U350		18-May-92	F35	GNT 009		32.90	15.30	<1.00	18.80			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.38	<1.00	<1.00	<3.20					
01U350		01-Jun-92	F35	BIX 007																		<3.09	<3.39	8.43		
01U350		16-Jun-92	F35	GNZ 008		58.20	24.80	<1.00	23.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.48	<1.00	<1.00	<3.20					
01U350		21-Jul-92	F36	IBB 008		45.00	18.90	<1.00	22.90			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.60	<1.00	<1.00	<3.20					
01U350		18-Aug-92	F36	IBD 005		43.50	18.10	<1.00	21.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.64	<1.00	<1.00	<3.20					
01U350		*01-Sep-92*	F36	*BMG 010*																		<3.09	<3.39	2.36		
01U350		15-Sep-92	F36	IBI 009		38.00	16.10	<1.00	23.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.61	<1.00	<1.00	<3.20					
01U350		20-Oct-92	F36	IBK 009		39.40	18.80	<1.00	33.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.02	<1.00	<1.00	<3.20					
01U350		03-Nov-92	F37	IBL 008		55.00	24.00	<2.00	41.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	1.70	<2.00	<2.00	<6.40					
01U350		01-Dec-92	F37	IBM 007		53.00	24.00	<2.00	50.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	1.70	<2.00	<2.00	<6.40					
01U350		05-Jan-93	F38	IBN 008		35.00	19.00	<2.00	35.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	3.00	<2.00	<2.00	<6.40					
01U350		02-Feb-93	F38	IBO 007		33.00	19.00	<2.00	35.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	1.70	<2.00	<2.00	<6.40					
01U350		02-Mar-93	F38	IBR 018		33.60	19.30	<1.00	33.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	2.42	<1.00	<1.00	<3.20					
01U350		19-Apr-93	F39	IHP 006		24.00	15.00	<2.00	22.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	2.70	<2.00	<2.00	<6.40					
01U350		07-May-93	F39	IHS 007		28.50	15.90	<1.00	23.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	4.60	<1.00	<1.00	<3.20					
01U350		01-Jun-93	F39	IHU 006		19.30	10.50	<1.00	15.80			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	4.45	<1.00	<1.00	<3.20					
01U350		22-Jul-93	F40	IHX 005		23.80	10.70	<1.00	18.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	14.10	<1.00	<1.00	<3.20					
01U350		16-Aug-93	F40	IHY 006		19.30	9.43	<1.00	21.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	12.30	<1.00	<1.00	<3.20					
01U350		14-Sep-93	F40	IKD 006		24.90	11.40	<1.00	26.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	15.90	<1.00	<1.00	<3.20					
01U350		27-Oct-93	F41	*IKI 009*	NC	26.90	10.30	<1.00	23.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	28.00	<1.00	<1.00	<3.20					
01U350		09-Dec-93	F41	IKL 006	NC	37.70	13.70	<1.00	31.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	19.10	<1.00	<1.00	<3.20					
01U350		27-Jan-94	F42	IKN 007	13234 (6)	35.80	14.70	<1.00	31.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	17.00	<1.00	<1.00	<3.20					
01U350	(4)	27-Jan-94	F42	IKN 008	13234	31.80	15.00	<1.00	29.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	20.80	<1.00	<1.00	<3.20					
01U350		15-Feb-94	F42	IKO 008	29327	38.70	15.10	<1.00	27.50			<1.90	<1.00	<1.00	<0.78	0.90	<1.30	13.60	<1.00	<1.00	<3.20					
01U350		15-Mar-94	F42	ITD 011	53384																	0.43	0.58	56.10		
01U350		15-Mar-94	F42	IUI 010	53384	40.70	22.20	<1.00	31.90			<1.90	<1.00	<1.00	<0.78	0.34	<1.30	11.70	<1.00	<1.00	<3.20					
01U350		21-Apr-94	F43	IUZ 008	83402	32.80	12.30	<1.00	21.20			<1.90	<1.00	<1.00	<0.78	0.44	<1.30	10.00	<1.00	<1.00	<3.20					
01U350		13-May-94	F43	IVC 007	106330	50.60	18.00	<1.00	41.00			<1.90	<1.00	<1.00	<0.78	0.37	<1.30	10.90	<1.00	<1.00	<3.20					
01U350		08-Jun-94	F43	ITK 004	124044																	0.34	0.97	37.50		
01U350		08-Jun-94	F43	IVF 006	124044	34.10	12.90	<1.00	31.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	19.40	<1.00	<1.00	<3.20					
01U350		07-Sep-94	F44	ITO 004	208191																	<2.00	<4.40	<41.00		
01U350		07-Sep-94	F44	IVO 005	208191	18.80	12.90	<1.00	29.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	10.10	<1.00	<1.00	<3.20					
01U351		11-Mar-94	F42	ITC 019	NC																	<0.41	<0.87	<8.28		
01U351		13-May-94	F43	ITF 004	106330																	<0.41	<0.87	<8.28		
01U351		13-May-94	F43	IVB 004	106330	<1.00	0.59	<1.00	2.64			<1.90	0.58	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20					
01U351		09-Jun-94	F43	ITL 008	124850																	1.17	<0.87	<8.28		
01U351		09-Jun-94	F43	IVG 005	125210	3.70	4.27	<1.00	34.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U351		06-Jul-94	F44	IVJ 005	144800	1.58	3.47	<1.00	18.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.72	<1.00	<1.00	<3.20					
01U351		03-Aug-94	F44	IVL 007	172073	1.14	2.59	<1.00	11.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.50	<1.00	<1.00	<3.20					
01U351		07-Sep-94	F44	IVP 008	207160	0.81	2.67	<1.00	9.19			<1.90	<1.00	<1.00	<0.78	0.91	<1.30	<0.72	<1.00	<1.00	<3.20					
01U351		07-Sep-94	F44	ITP 016	208191																	<0.41	<0.87	<8.28		
01U352		11-Mar-94	F42	ITD 006	NC																	8.83	<0.87	<8.28		
01U352		13-May-94	F43	ITF 005	106330																	3.11	<0.87	<8.28		
01U352		13-May-94	F43	IVB 005	106330	<1.00	<0.50	<1.00	5.36			<1.90	<1.00	<1.00	<0.78	0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
01U352		09-Jun-94	F43	ITM 004	124850																	270.00	3.14	35.30		
01U352		09-Jun-94	F43	IVG 004	125210	<10.00	3.20	<10.00	540.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U352		06-Jul-94	F44	IVJ 004	144800	<5.00	5.00	<5.00	200.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U352		03-Aug-94	F44	IVM 005	172073	0.59	3.76	<1.00	110.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U352		07-Sep-94	F44	IVP 009	207160	<5.00	5.90	<5.00	140.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U352		07-Sep-94	F44	*ITP 010*	208191																	29.00	<4.40	<41.00		
01U352		07-Sep-94	F44	ITQ 004	208191																	25.00	<0.87	5.51		
01U353		11-Mar-94	F42	ITC 018	NC																	3.52	<0.87	<8.28		
01U353		13-May-94	F43	ITF 006	106330																	0.49	<0.87	<8.28		
01U353		13-May-94	F43	IVB 006	106330	<1.00	1.03	<1.00	24.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	0.76	<3.20					
01U353		09-Jun-94	F43	ITL 009	124850																	110.00	1.92	17.30		
01U353		09-Jun-94	F43	IVG 006	125210	<5.00	7.00	<5.00	440.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U353		06-Jul-94	F44	IVK 005	144800	<2.00	8.80	<2.00	250.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U353		03-Aug-94	F44	IVM 006	172073	<1.00	7.88	<1.00	190.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U353		07-Sep-94	F44	IVP 010	207160	<5.00	13.00	<5.00	230.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U353		07-Sep-94	F44	ITP 009	208191																	29.00	<4.40	<41.00		
01U354		10-Mar-94	F42	ITC 016	NC																	<0.41	<0.87	<8.28		
01U354		13-May-94	F43	ITF 007	106330																	<0.41	<0.87	<8.28		
01U354		13-May-94	F43	IVB 007	106330	<1.00	0.32	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		09-Jun-94	F43	ITM 005	124850																	0.31	<0.87	<8.28		
01U354		09-Jun-94	F43	IVG 007	125210	<1.00	0.56	<1.00	3.03			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		06-Jul-94	F44	IVJ 006	144800	<1.00	0.49	<1.00	6.61			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	0.66	<3.20					
01U354		03-Aug-94	F44	IVL 008	172073	<1.00	0.34	<1.00	14.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		07-Sep-94	F44	IVP 011	207160	<1.00	0.72	<1.00	28.00			<1.90	<1.00	<1.00	<0.78	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		07-Sep-94	F44	ITP 015	208191																	1.58	<0.87	<8.28		
01U354		07-Sep-94	F44	ITQ 014	208191																	1.90	<0.87	<8.28		
01U355		10-Mar-94	F42	ITC 005	48771																	18.00	<0.87	<8.28		
01U355		13-May-94	F43	ITF 008	106330																	10.20	<0.87	<8.28		
01U355		13-May-94	F43	IVB 012	106330	<1.00	0.80	<1.00	83.00			<1.90	<1.00	<1.00	<0.78	0.48	<1.30	0.58	<1.00	<1.00	<3.20					
01U355		09-Jun-94	F43	ITL 010	124850																	30.00	<0.87	<8.28		
01U355		09-Jun-94	F43	IVG 008	125210	<1.00	1.48	<1.00	220.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U355		06-Jul-94	F44	IVK 006	144800	<2.00	1.70	<2.00	150.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U355		03-Aug-94	F44	IVM 007	172073	<1.00	1.54	<1.00	140.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U355		07-Sep-94	F44	IVQ 004	207160	<2.00	1.70	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	0.53	<2.60	<1.40	<2.00	<2.00	<6.40					
01U355		08-Sep-94	F44	ITQ 010	209724																	10.80	<0.87	<8.28		
01U355		08-Sep-94	F44	ITR 009	209724																	9.49	<0.87	<8.28		
01U356		10-Mar-94	F42	ITB 016	48771																	3.07	<0.87	<8.28		
01U356		13-May-94	F43	ITF 009	106330																	3.40	<1.70	<17.00		
01U356		13-May-94	F43	IVB 013	106330	<2.00	3.40	<2.00	350.00			<3.80	<2.00	<2.00	<1.60	0.69	<2.60	<1.40	<2.00	<2.00	<6.40					
01U356		09-Jun-94	F43	ITL 011	124850																	3.11	<0.87	<8.28		
01U356		09-Jun-94	F43	IVG 009	125210	<1.00	2.42	<1.00	290.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U356		06-Jul-94	F44	IVK 007	144800	<5.00	2.00	<5.00	160.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U356		03-Aug-94	F44	IVN 004	172073	<1.00	1.35	<1.00	130.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U356		07-Sep-94	F44	IVP 012	207160	<2.00	1.40	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	0.69	<2.60	0.89	<2.00	<2.00	<6.40					
01U356		08-Sep-94	F44	ITQ 011	209724																	4.64	<0.87	<8.28		
01U357		10-Mar-94	F42	ITB 017	48771																	11.60	<0.87	<8.28		
01U357		13-May-94	F43	ITF 010	106330																	7.27	<0.87	<8.28		
01U357		13-May-94	F43	IVB 014	106330	<1.00	0.96	<1.00	54.00			<1.90	<1.00	<1.00	<0.78	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		09-Jun-94	F43	ITM 006	124850																	10.90	<0.87	<8.28		
01U357		09-Jun-94	F43	IVG 010	125210	<1.00	0.75	<1.00	68.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		06-Jul-94	F44	IVK 008	144800	<1.00	0.77	<1.00	70.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		03-Aug-94	F44	IVM 008	172073	<1.00	0.56	<1.00	65.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357	(4)	03-Aug-94	F44	IVM 009	172073	<1.00	0.56	<1.00	76.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		07-Sep-94	F44	IVP 013	207160	<2.00	0.77	<2.00	63.00			<3.80	<2.00	<2.00	<1.60	0.59	<2.60	<1.40	<2.00	<2.00	4.30					
01U357		08-Sep-94	F44	ITQ 012	209724																	2.40	<0.87	<8.28		
01U357		08-Sep-94	F44	ITR 010	209724																	2.32	<0.87	<8.28		
01U358		10-Mar-94	F42	ITC 014	48771																	<0.41	<0.87	<8.28		
01U358		13-May-94	F43	ITF 016	106330																	0.22	<0.87	<8.28		
01U358		13-May-94	F43	IVB 016	106330	<1.00	<0.50	<1.00	1.08			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		09-Jun-94	F43	ITL 012	124850																	3.80	<0.87	<8.28		
01U358		09-Jun-94	F43	IVG 011	125210	<1.00	<0.50	<1.00	28.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		06-Jul-94	F44	IVJ 007	144800	<1.00	0.33	<1.00	34.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		03-Aug-94	F44	IVL 009	172073	<1.00	0.31	<1.00	34.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		07-Sep-94	F44	IVP 014	207160	<1.00	0.45	<1.00	32.00			<1.90	<1.00	<1.00	<0.78	0.64	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358	(4)	07-Sep-94	F44	IVP 015	207160	<1.00	0.47	<1.00	32.50			<1.90	<1.00	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		08-Sep-94	F44	ITQ 013	209724																	1.94	<0.87	<8.28		
01U524		17-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U524		07-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U524		16-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U524		21-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U525		16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U525		07-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U525		15-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U525		14-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U525		27-Apr-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U525		26-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U525		26-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U526		17-Nov-87	F16			<0.88	2.80	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U526		07-Apr-88	F18			<1.00	0.99	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U526		15-Aug-88	F19			<1.00	1.16	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U526		14-Nov-88	F20			<1.00	1.74	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U526		09-May-89	F22			<1.00	0.93	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U526		26-Jul-89	F23			<0.88	1.95	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U526		26-Oct-89	F24			<0.88	2.50	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U526		19-Apr-90	F26			<1.00	1.14	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U526		13-Mar-91	F30			<1.00	1.27	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U526		17-Mar-92	F34	BGH 008		<2.41	2.44	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	1.85					
01U526		05-Mar-93	F38	IBW 008		<1.00	2.75	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U526		17-Mar-94	F42	IUN 016	NC	<1.00	1.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U527		17-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U527		11-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U527		25-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U527		21-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U601		07-Dec-87	F16			<1.80	3.60	<1.00	<1.10			<3.00	<1.60	<2.00	<1.40	<1.00	<2.20	<0.82	<1.20	<9.00	<3.60	<6.20	<6.80	<2.30		
01U604		13-Aug-87	A15			<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50								
01U604		01-Dec-87	A16			<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50			1.00					
01U604		07-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
01U604		29-Feb-88	A17			<0.50	0.60	<0.50		1.00	<0.50	<0.50	<0.50		1.50	<0.50	<0.50	<0.50			<0.50					
01U604		26-May-88	A18			<0.50	1.50	<0.50		1.80	<0.50	<0.50	<0.50	<0.50	2.00	<0.50	<0.50	<0.50			<0.50					
01U604		08-May-90	A26			<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			<0.50					
01U604	(4)	08-May-90	A26			<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			<0.50					
01U604		05-Mar-91	A30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U604		05-Mar-92	A34	GNI 014		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U604		27-Mar-93	A38	IHO 014		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U604		01-Mar-94	A42	IKQQ 008	39039	<1.00	1.16	<1.00	0.59		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U611		01-Dec-87	A16			<0.50	110000.00	<0.50		3900.00	<0.50	120.00	<0.50		74.00	<0.50	<0.50	<0.50			<0.50					
01U611		08-Dec-87	F16			<4400.00	120000.00	<2400.00	<2800.00			<7500.00	<4000.00	<5000.00	<3600.00	<2600.00	<5500.00	<2000.00	<3100.00	<22000.00	<9000.00	<15000.00	<17000.00	<5800.00		
01U611		01-Mar-88	A17			<0.50	38000.00	<0.50		1800.00	<0.50	<0.50	33.00		<0.50	<0.50	<0.50	<0.50			<0.50					
01U611		26-May-88	A18			<0.50	60000.00	<0.50		1500.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			77.00					
01U611		08-May-90	A26			<0.50	35000.00	<0.50		3300.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			<0.50					
01U611		05-Mar-91	A30			<1000.00	40000.00	<1000.00	3900.00		<300.00	<1900.00	<1000.00	<1000.00	<780.00	<500.00	<1300.00	<720.00	<1000.00	<1000.00	<3200.00					
01U611		03-Mar-92	A34	GNG 015		<500.00	200000.00	<500.00	1300.00		<250.00	<950.00	<500.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
01U611		27-Mar-93	A38	IHO 016		<2000.00	81000.00	<2000.00	<1000.00		<600.00	<3800.00	<2000.00	<2000.00	<1600.00	<1000.00	<2600.00	<1400.00	<2000.00	<2000.00	<6400.00					
01U611		01-Mar-94	A42	IKQQ 013	39039	<5000.00	180000.00	<5000.00	3900.00		<1500.00	<9500.00	<5000.00	<5000.00	<3900.00	<2500.00	<6500.00	<3600.00	<5000.00	<5000.00	<16000.00					
01U615		07-Dec-87	F16			<88.00	1500.00	<49.00	490.00			<150.00	<81.00	<99.00	<72.00	<51.00	<110.00	<41.00	<62.00	<450.00	<180.00	<3.09	<3.39	<1.17		
01U615		08-May-90	A26			<0.50	6500.00	<0.50		1200.00	270.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			<0.50					
01U615		05-Mar-91	A30			<500.00	8800.00	<500.00	950.00		160.00	<950.00	<500.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
01U615		03-Mar-92	A34	GNG 014		<500.00	14000.00	<500.00	1300.00		<250.00	<950.00	<500.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
01U615		24-Mar-93	A38	IHO 011		<500.00	17000.00	<500.00	930.00		<150.00	<950.00	<500.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
01U615		01-Mar-94	A42	IKQQ 004	39039	<200.00	17000.00	<200.00	920.00		80.00	<380.00	<200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
01U617		13-Aug-87	A15			<0.50	1.40	0.50		6.20	<0.50	<0.50	<0.50	<0.50	1.90	<0.50	<0.50	<0.50								
01U617		01-Dec-87	A16			<0.50	1.40	<0.50		6.50	<0.50	<0.50	<0.50		3.20	<0.50	<0.50	<0.50			<0.50					
01U617		29-Feb-88	A17			<0.50	1.10	0.30		3.40	<0.50	<0.50	<0.50		1.40	<0.50	<0.50	<0.50			<0.50					
01U617		26-May-88	A18			<0.50	1.90	<0.50		4.00	<0.50	<0.50	<0.50	<0.50	1.70	<0.50	<0.50	<0.50			<0.50					
01U617	(4)	26-May-88	A18			<0.50	2.00	0.40		4.00	<0.50	<0.50	<0.50	<0.50	2.00	<0.50	<0.50	<0.50			<0.50					
01U617		19-Aug-88	F19			<1.00	1.72	<1.00	6.29			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U617		08-May-90	A26			<0.50	2.00	0.40		4.90	0.40	<0.50	<0.50	<0.50	0.80	<0.50	<0.50	<0.50			<0.50					
01U617		03-Jul-90	A27			<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			<0.50					
01U617		02-Oct-90	A29			<1.00		<0.30		4.80	0.50	<1.50	<0.50	<1.00	0.50	<0.20	<0.30	<0.50		2.10	<1.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U617		05-Mar-91	A30			<1.00	1.17	<1.00	3.33		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		05-Mar-91	M30			<0.20	1.30	0.70		5.20	0.40	<1.00	<0.20	<0.20	0.60	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U617		10-Jun-91	A31			<1.00	1.08	<1.00	3.68		<0.30	<1.90	<1.00	<1.00	<0.78	0.68	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		03-Sep-91	A32			<1.00	1.80	<1.00	4.35			<1.90	<1.00	<1.00	<0.78	<1.00	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617	(4)	03-Sep-91	A32			<1.00	1.71	<1.00	4.32			<1.90	<1.00	<1.00	<0.78	<1.00	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		03-Dec-91	A33	GNA 017		<1.00	1.68	<1.00	3.09			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		03-Mar-92	A34	GNG 012		<1.00	1.29	<1.00	2.90		<0.50	<1.90		<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617	(4)	03-Mar-92	A34	GNG 011		<1.00	1.27	<1.00	2.98		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		02-Jun-92	A35	GNU 006		<1.00	1.28	<1.00	3.67		0.45	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617	(4)	02-Jun-92	A35	GNU 005		<1.00	1.13	<1.00	3.54		0.53	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		10-Sep-92	A36		(5)	<1.00	0.92	<1.00	1.69			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		24-Mar-93	A38	IHO 006		<1.00	1.31	<1.00	2.66		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		16-Sep-93	A40	IKF 008		<1.00	0.99	<1.00	1.75		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617	(4)	16-Sep-93	A40	IKF 009		<1.00	1.14	<1.00	1.84		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		01-Mar-94	A42	IKP 004	39039	<1.00	1.30	<1.00	1.85		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617	(4)	01-Mar-94	A42	IKP 005	39039	<1.00	1.38	<1.00	2.27		<0.30	<1.90	<1.00	<1.00	<0.78	0.75	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		06-Sep-94	A44	ZVO 004	NC	<1.00	0.93	<1.00	2.00		<0.30	<1.90	<1.00	<1.00	<0.78	0.48	<1.30	<0.72	<1.00	<1.00	<3.20					
01U618		13-Aug-87	A15			<0.50	7.70	0.60		2.50	<0.50	<0.50	<0.50	<0.50	2.40	<0.50		<0.50								
01U618		30-Nov-87	A16			<0.50	8.60	<0.50		2.30	2.30	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50			<0.50					
01U618	(4)	30-Nov-87	A16			<0.50	8.80	<0.50		2.40	2.40	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50			<0.50					
01U618		29-Feb-88	A17			<0.50	8.90	<0.50		1.50	<0.50	<0.50	0.60		<0.50	<0.50	<0.50	<0.50			<0.50					
01U618	(4)	29-Feb-88	A17			<0.50	4.50	<0.50		1.40	<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50			<0.50					
01U618		26-May-88	A18			<0.50	7.00	<0.50		2.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			<0.50					
01U618		19-Aug-88	F19			<1.00	3.96	<1.00	1.21			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U618		08-May-90	A26			<0.50	6.00	<0.50		1.30	<0.50	<0.50	<0.50	<0.50	0.30	<0.50	<0.50	<0.50			<0.50					
01U618		05-Mar-91	A30			<1.00	4.97	<1.00	0.79		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	97.80	<3.20					
01U618		03-Mar-92	A34	GNG 010		<1.00	3.77	<1.00	2.09		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	5.31	<3.20					
01U618		27-Mar-93	A38	IHO 015		<1.00	5.30	<1.00	1.13		<0.30	<1.90	<1.00	<1.00	0.85	<0.50	<1.30	<0.72	<1.00	42.50	<3.20					
01U618		01-Mar-94	A42	IKQQ 010	39039	<1.00	3.43	<1.00	1.01		<0.30	<1.90	<1.00	<1.00	1.72	<0.50	<1.30	<0.72	<1.00	5.83	<3.20					
01U619		19-Aug-88	F19			<1.00	1.74	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U619		08-May-90	A26			<0.50	2.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			<0.50					
01U619		05-Mar-91	A30			<1.00	2.76	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	42.20	<3.20					
01U619		03-Mar-92	A34	GNG 009		<1.00	0.98	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	12.70	<3.20					
01U619		24-Mar-93	A38	IHO 010		<1.00	2.00	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	2.23	<0.50	<1.30	<0.72	<1.00	4.91	<3.20					
01U619		01-Mar-94	A42	IKQQ 009	39039	<1.00	1.85	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	26.70	<3.20					
01U621		08-May-90	A26			<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			1.20					
01U621		03-Jul-90	A27			<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			<0.50					
01U621		02-Oct-90	A29			<1.00	<0.50	<0.30		<0.50	<0.30	<1.50	<0.50	<1.00	<0.20	<0.20	<0.30	<0.50			<1.00					
01U621		05-Mar-91	A30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621	(4)	05-Mar-91	A30			9.35	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		10-Jun-91	A31			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		03-Sep-91	A32			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<1.00	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		03-Dec-91	A33	GNA 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621	(4)	03-Dec-91	A33	GNA 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		03-Mar-92	A34	GNG 005		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621	(4)	03-Mar-92	A34	GNG 013		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		02-Jun-92	A35	GNU 004		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621	(4)	02-Jun-92	A35	GNU 007		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		10-Sep-92	A36		(5)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621	(4)	10-Sep-92	A36		(5)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		24-Mar-93	A38	IHO 009		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		16-Sep-93	A40	IKF 010		<1.00	<0.50	<1.00	3.21		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		01-Mar-94	A42	IKP 006	39039	<1.00	<0.50	<1.00	5.21		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		06-Sep-94	A44	ZVO 005	NC	<1.00	<0.50	<1.00	12.00		<0.30	<1.90	<1.00	<1.00	<0.78	0.27	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621	(4)	06-Sep-94	A44	ZVO 006	NC	<1.00	<0.50	<1.00	12.10		<0.30	<1.90	<1.00	<1.00	<0.78	0.26	<1.30	<0.72	<1.00	<1.00	<3.20					
01U634		12-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U634		26-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U636		12-May-89	F22			<1.00	0.82	<1.00	<0.50			<1.90	1.75	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U636		26-Jul-89	F23			<0.88	3.31	<0.49	<0.56			<1.50	3.56	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U636		22-Mar-91	A30			<1.00	0.76	<1.00	<0.50		<0.30	<1.90	1.92	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U636		17-Mar-92	A34	GNO 009		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	1.04	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U639		12-May-89	F22			<1.00	1.85	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U639		26-Jul-89	F23			<1.80	41.00	<0.98	<1.10			4.70	<1.60	<2.00		<1.00		<0.82	<1.20			<3.09	<3.39	<1.17		
01U639		22-Mar-91	A30			<1.00	1.07	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U639		22-Mar-91	M30			<0.20	0.80	<0.50		<0.20	<0.10	<1.00	0.60	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U639		17-Mar-92	A34	GNO 010		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	1.41	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U639		11-Mar-94	A42	IUC 010	49735	<1.00	1.58	<1.00	1.25		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U640		26-Jul-89	F23			<1.80	30.00	<0.98	<1.10			7.90	2.60	<2.00		<1.00		<0.82	<1.20			<3.09	27.50	<1.17		
01U640		22-Mar-91	A30			<1.00	17.40	<1.00	<0.50		<0.30	<1.90	8.92	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U640		22-Mar-91	A30			<1.00	16.10	<1.00	<0.50		<0.30	<1.90	8.04	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U640		17-Mar-92	A34	GNO 012		<1.00	14.60	<1.00	<0.50		<0.50	<1.90	5.33	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U640		17-Mar-92	M34			<0.20	15.00	<0.50		<0.20	<0.10	<1.00	3.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U652		12-May-89	F22			<1.00	<0.50	<1.00	37.30			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	1.24	<8.28		
01U652		26-Jul-89	F23			<0.88	<1.10	<0.49	28.50			2.20	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	5.53	<1.17		
01U652		27-Oct-89	F24			<0.88	<1.10	<0.49	18.70			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U666		12-May-89	F22			<1.00	77.00	<1.00	18.70			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U803		05-Sep-91	F32			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U805		05-Sep-91	F32			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U806		05-Sep-91	F32			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U808		05-Sep-91	F32			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U901		25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	19.70	<8.28		
01U901		27-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	19.70	<1.17		
01U901		20-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U901		25-Oct-89	F24			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U901		30-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U901		17-Jul-90	F27			<1.00	2.16	<1.00	0.83			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U901		18-Sep-90	F28			<1.00	<0.50	<1.00	0.82			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U901		19-Sep-90	F28			<1.00	<0.50	<1.00	0.75			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U901		22-Jan-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		13-Mar-91	F30			<1.00	<0.50	<1.00	0.53			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U901		11-Jun-91	M31			<0.20	<0.10	<0.50		0.30	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U901		30-Jul-91	F32			<0.88	<1.10	<0.49	1.28			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
01U901		19-Nov-91	F33	GEZ 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		05-Mar-92	F34	BFF 011		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U901		05-Mar-92	F34	BFG 011																		<3.09	<3.39	<1.17		
01U901		16-Jun-92	F35	GNZ 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		02-Sep-92	F36	BMF 007		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U901		01-Dec-92	F37	IBM 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		02-Mar-93	F38	IBR 007		<1.00	<0.50	<1.00	0.57			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		08-Sep-93	F40	IHZ 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901	(4)	08-Sep-93	F40	IHZ 013		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		11-Mar-94	F42	ITC 013	NC																	<0.41	<0.87	<8.28		
01U901		11-Mar-94	F42	IUF 011	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		09-Jun-94	F43	IVG 017	125210	<2.00	<1.00	<2.00	2.20			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U901		10-Jun-94	F43	ITM 008	125865																	11.40	11.00	<8.28		
01U901		06-Jul-94	F44	IVK 009	144800	<1.00	<0.50	<1.00	9.53			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		03-Aug-94	F44	IVL 006	172073	<1.00	<0.50	<1.00	1.44			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		07-Sep-94	F44	IVP 007	207160	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		12-Sep-94	F44	ITT 005	NC																	<0.41	<0.87	<8.28		
01U901		12-Sep-94	F44	IVU 005	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		25-Jul-89	F23			<1.00	49.00	<1.00	65.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U902		27-Jul-89	F23			35.00	62.00	<0.98	70.00			<3.00	<1.60	<2.00		<1.00		<0.82	<1.20			<3.09	<3.39	<1.17		
01U902		20-Oct-89	F24			<4.40	8.90	<2.40	54.00			<7.50	<4.00	<5.00		<2.60		<2.00	<3.10			<15.00	<17.00	<5.80		
01U902		25-Oct-89	F24			<1.00	7.00	<1.00	50.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U902		08-Feb-90	F25			<1.00	4.00	<1.00	77.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U902		20-Feb-90	F25			<1.00	3.00	<1.00	83.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U902		16-Apr-90	F26			<1.00	2.03	<1.00	71.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U902		22-May-90	F26			<1.00	2.66	<1.00	70.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U902		19-Jun-90	F27			<1.00	3.32	<1.00	75.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U902		17-Jul-90	F27			<1.00	5.20	<1.00	70.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	1.60	<0.87	<8.28		
01U902		21-Aug-90	F27			3.31	3.03	<1.00	64.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
01U902		18-Sep-90	F28			<1.00	2.45	<1.00	48.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.55	<0.87	<8.28		
01U902		19-Sep-90	F28			<1.00	2.28	<1.00	44.10			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			0.51	<0.87	<8.28		
01U902		22-Oct-90	F29			3.27	3.26	<1.00	6.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902	(4)	22-Oct-90	F29			2.60	3.05	<1.00	56.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			0.51	<0.87	<8.28		
01U902		20-Nov-90	F29			<1.00	4.82	<1.00	68.08			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		18-Dec-90	F29			1.30	3.64	<1.00	53.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		22-Jan-91	F30			<1.00	2.35	<1.00	56.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		19-Feb-91	F30			3.85	3.25	70.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		19-Mar-91	F30			<1.00	2.40	<1.00	47.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.56	<0.87	<8.28		
01U902		19-Mar-91	M30			<0.20	2.60	<0.50		73.00	3.80	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.70	<0.20		<0.20	<0.20
01U902		16-Apr-91	F31			<1.00	2.32	<1.00	51.10		2.80	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		18-May-91	F31			<1.00	3.09	<1.00	50.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.87	<0.87	<8.28		
01U902		05-Jun-91	F31																			0.87	<0.87	<8.28		
01U902		18-Jun-91	F31			<1.00	3.82	<1.00	48.00		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		23-Jul-91	F32			<1.00	4.74	<1.00	38.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		30-Jul-91	F32			4.40	7.10	<0.98	32.00			<3.00	1.90	6.10	<1.40	<1.00	2.50	<0.82	<1.20	<9.00	<3.60					
01U902		19-Aug-91	F32			<1.00	3.53	<1.00	45.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U902		17-Sep-91	F32			<1.00	3.94	<1.00	43.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U902		22-Oct-91	F33	GEX 009		<1.00	2.60	<1.00	41.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		19-Nov-91	F33	GEZ 005		<1.00	2.60	<1.00	45.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		17-Dec-91	F33	GNC 007		<1.00	2.83	<1.00	43.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		21-Jan-92	F34	GNE 005		<1.00	1.35	<1.00	17.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		18-Feb-92	F34	GNF 008		<1.00	2.61	<1.00	43.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		09-Mar-92	F34	BFI 010																		<3.09	<3.39	<1.17		
01U902		09-Mar-92	F34	BFQ 014		<4.80	2.70	<2.00		53.00	3.20	<8.20	<2.30	<3.00	<1.90	<9.30	<2.40	<2.20	<7.90	<8.90	<2.80					
01U902		17-Mar-92	F34	GNP 005		<1.00	2.48	<1.00	45.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		13-Apr-92	F35	GNR 008		<1.00	2.78	<1.00	51.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		18-May-92	F35	GNT 004		<1.00	2.18	<1.00	50.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		02-Jun-92	F35	BIX 011																		<3.09	<3.39	<1.17		
01U902	(4)	02-Jun-92	F35	BIX 012																		<3.09	<3.39	<1.17		
01U902		16-Jun-92	F35	GNZ 007		<2.00	2.10	<2.00	74.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		21-Jul-92	F36	IBB 007		<1.00	2.06	<1.00	70.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		18-Aug-92	F36	IBD 004		<2.00	2.60	<2.00	76.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		01-Sep-92	F36	BMG 012																		<3.09	<3.39	<1.17		
01U902		15-Sep-92	F36	IBI 010		<2.00	2.10	<2.00	76.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		20-Oct-92	F36	IBK 004		<2.00	2.60	<2.00	85.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		20-Oct-92	M37			<0.20	2.00	<0.50		76.00	3.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U902		03-Nov-92	F37	IBL 007		<1.00	2.55	<1.00	100.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		01-Dec-92	F37	IBM 009		<1.00	3.11	<1.00	120.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		05-Jan-93	F38	IBN 006		<2.00	<1.00	<2.00	48.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		02-Feb-93	F38	IBO 004		<2.00	2.40	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902	(4)	02-Feb-93	F38	IBO 010		<2.00	3.90	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		02-Mar-93	F38	IBQ 011		<1.00	2.40	<1.00	110.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902	(4)	02-Mar-93	F38	IBR 012		<5.00	<2.50	<5.00	100.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902		18-Mar-93	F38	IHI 014		<1.00	2.40	<1.00	98.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		19-Mar-93	F38	FLW 004																		1.25	<0.87	<8.28		
01U902		19-Apr-93	F39	IHQ 005		<1.00	2.39	<1.00	120.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902	(4)	19-Apr-93	F39	IHQ 006		<1.00	2.07	<1.00	98.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		07-May-93	F39	IHS 004		<2.00	2.40	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		01-Jun-93	F39	IHU 007		<2.00	1.70	<2.00	85.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		22-Jul-93	F40	IHX 008		<1.00	1.96	<1.00	100.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		16-Aug-93	F40	IHY 004		<5.00	<2.50	<5.00	110.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902		14-Sep-93	F40	IKC 005		<1.00	1.89	<1.00	110.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902	(4)	14-Sep-93	F40	IKC 006		<1.00	1.62	<1.00	100.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		27-Oct-93	F41	IKI 010		<1.00	1.67	<1.00	98.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		09-Dec-93	F41	IKL 008	NC	<1.00	1.68	<1.00	70.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		27-Jan-94	F42	IKN 006	13234	<1.00	1.76	<1.00	110.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		15-Feb-94	F42	IKO 004	29327	<1.00	2.02	<1.00	92.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		23-Mar-94	F42	ITE 004	62588 (6)																	1.70	<1.70	<17.00		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U902		23-Mar-94	F42	IUW 006	62588 (6)	<2.00	2.00	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		21-Apr-94	F43	IUZ 004	83402	<5.00	2.50	<5.00	87.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902	(4)	21-Apr-94	F43	IUZ 005	83402	<5.00	1.60	<5.00	82.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902		09-Jun-94	F43	IVG 016	125210	<1.00	1.54	<1.00	100.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		10-Jun-94	F43	ITM 010	125865 (6)																	1.78	<0.87	<8.28		
01U902		10-Jun-94	F43	IVI 005	125865 (6)	<1.00	1.23	<1.00	94.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		06-Jul-94	F44	IVK 004	144800	<5.00	2.10	<5.00	98.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902		03-Aug-94	F44	IVM 004	172073	<1.00	1.52	<1.00	93.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		07-Sep-94	F44	IVP 006	207160	<5.00	1.60	<5.00	98.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902		12-Sep-94	F44	ITT 008	NC																					
01U902		12-Sep-94	F44	IVU 006	NC	<2.00	1.90	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	0.53	<2.60	<1.40	<2.00	<2.00	<6.40	1.07	<0.87	<8.28		
01U903		11-Mar-94	F42	IUI 005	NC	<1.00	0.91	<1.00	1.02			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		13-May-94	F43	ITF 013	106330																					
01U903		13-May-94	F43	IVB 009	106330	<1.00	<0.50	<1.00	0.75			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U903		09-Jun-94	F43	IVG 014	125210	<1.00	<0.50	<1.00	0.67			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		09-Jun-94	M43			<0.20	0.60	<0.50		1.00	0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	1.80		0.40	0.90
01U903		10-Jun-94	F43	ITM 012	125865																	<0.41	<0.87	<8.28		
01U903		06-Jul-94	F44	IVJ 009	144800	<1.00	0.37	<1.00	0.55			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		03-Aug-94	F44	IVL 004	172073	<1.00	<0.50	<1.00	0.57			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		07-Sep-94	F44	IVP 004	207160	<1.00	0.55	<1.00	0.78			<1.90	0.61	<1.00	<0.78	0.51	<1.30	<0.72	<1.00	<1.00	1.91					
01U903		12-Sep-94	F44	ITT 009	NC																					
01U903		12-Sep-94	F44	IVU 015	NC	<1.00	0.42	<1.00	0.54			<1.90	<1.00	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U904		11-Mar-94	F42	ITC 020	NC (6)																					
01U904		13-May-94	F43	ITF 014	106330																	2.41	<0.87	<8.28		
01U904		13-May-94	F43	IVB 010	106330	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U904	(4)	13-May-94	F43	ITG 004	106330 (6)																					
01U904	(4)	13-May-94	F43	IVC 004	106330 (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	1.08	<3.20	<0.41	<0.87	<8.28		
01U904		09-Jun-94	F43	IVG 015	125210	<1.00	0.58	<1.00	48.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		09-Jun-94	M43			<0.20	0.90	<0.50		51.00	5.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	<0.20		<0.20	<0.20
01U904		10-Jun-94	F43	ITM 007	125865																	<0.41	<0.87	<8.28		
01U904		06-Jul-94	F44	IVJ 010	144800	<1.00	<0.50	<1.00	18.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		03-Aug-94	F44	IVL 005	172073	<1.00	<0.50	<1.00	2.06			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		07-Sep-94	F44	IVP 005	207160	<1.00	<0.50	<1.00	13.80			<1.90	0.65	<1.00	<0.78	0.52	<1.30	<0.72	<1.00	<1.00	1.51					
01U904		12-Sep-94	F44	ITT 006	NC																					
01U904		12-Sep-94	F44	IVU 007	NC	<1.00	<0.50	<1.00	0.37			<1.90	<1.00	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U904		12-Sep-94	F44	IVU 009	NC	<1.00	71.00	5.10	1.43			<1.90	14.10	<1.00	11.40	0.68	<1.30	<0.72	<1.00	<1.00	<3.20					
03F302		17-Nov-87	A16			0.60	1040.00	3.80		51.40	<0.20	<0.20	9.70	0.30	5.00	<0.02		11.30								
03F302		15-Dec-87	A16			1.50	2120.00	12.30		177.00	1.10	<0.20	23.20	0.28	12.80	<0.20		26.00								
03F302		12-Jan-88	A17			<4.00	2580.00	12.00		182.00	<4.00	<4.00	23.00	<4.00	20.00	<4.00		18.00								
03F302		28-Apr-88	A18			<10.00	2895.00	12.00		124.00	<10.00	<10.00	41.00	<10.00	14.00	<10.00		22.00								
03F302		19-Jul-88	A19			2.70	4300.00	7.50		234.00	1.20	<0.20	24.00	0.49	18.00	<0.20		<0.20								
03F302		21-Oct-88	A20			2.20	4800.00	10.00		135.00	0.66	<0.50	24.00	<0.50	14.00	<1.00		0.50								
03F302		06-Jan-89	A21			2.40	2850.00	16.00		158.00	<1.00	<1.00	35.00	<1.00	18.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
03F302		16-Mar-89	A21			<10.00	5800.00	<10.00		130.00	<10.00	<10.00	31.00	<10.00	11.00	<10.00		<10.00								
03F302		20-Apr-89	A22			1.60	4500.00	14.00		100.00	0.70	<1.00	27.00	0.60	13.00	<0.20		0.70								
03F302		19-Jul-89	A23			<20.00	2700.00	22.00		120.00	<20.00	<100.00	44.00	<20.00	<20.00	<20.00		<20.00								
03F302		24-Oct-89	A24			<20.00	2300.00	<20.00		67.00	<20.00	<100.00	62.00	<20.00	<20.00	<20.00		<20.00								
03F302		18-Jan-90	A25			<20.00	2700.00	<20.00		110.00	<20.00	<100.00	56.00	<20.00	<20.00	<20.00		<20.00								
03F302		08-May-90	A26			<0.50	1300.00	2.20		28.00	<0.50	<0.50	3.60	<0.50	2.40	<0.50	<0.50	<0.50	<0.50		<0.50					
03F302		13-Jul-90	A27			<25.00	1900.00	23.00		120.00	<7.50	<38.00	85.00	<25.00	18.00	<5.00	<7.50	<12.00	<5.00		68.00					
03F302	(4)	13-Jul-90	A27			<25.00	1900.00	22.00		120.00	<7.50	<38.00	83.00	<25.00	18.00	<5.00	<7.50	<12.00	<5.00		74.00					
03F302		19-Dec-90	A29			<1.00	1840.13	<1.00	72.99			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F302		19-Mar-91	A30			<50.00	1300.00	<50.00	42.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F302		05-Jun-91	A31			<50.00	1400.00	<50.00	42.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F302		05-Sep-91	A32			<50.00	1300.00	<50.00	44.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F302		04-Dec-91	A33	GNA 013		<25.00	1200.00	<25.00	44.00		<7.50	<48.00	57.00	<25.00	<20.00	<12.00	<32.00	<18.00	<25.00	<25.00	<80.00					
03F302		06-Mar-92	A34	GNJ 019		<50.00	1200.00	<50.00	76.00		<25.00	<95.00	62.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F302		05-Jun-92	A35	GNX 010		<25.00	890.00	<25.00	30.00		<7.50	<48.00	31.00	<25.00	<20.00	<12.00	<32.00	<18.00	<25.00	<25.00	<80.00					
03F302		01-Sep-92	A36		(5)	<50.00	1000	<50.00	<25.00			<95.00	90	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	55	<160.00					
03F302		03-Mar-93	A38	ZBT 005		<20.00	840.00	<20.00	28.00		<6.00	<38.00	45.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03F302		15-Sep-93	A40	ZKD 013		<10.00	860.00	<10.00	26.00		<3.00	<19.00	35.00	<10.00	9.40	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F302		03-Mar-94	A42	IKS 010	44113	<20.00	430.00	<20.00	<10.00		<6.00	<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03F302		07-Sep-94	A44	ZVQ 012	NA	<10.00	520.00	<10.00	16.00		<3.00	<19.00	16.00	<10.00	5.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F303		17-Nov-87	A16			6.70	190.00	9.90		31.50	<0.20	<0.20	18.10	<0.20	9.00	<0.20		9.20								
03F303		15-Dec-87	A16			8.90	282.00	8.10		28.90	0.30	<0.20	19.10	<0.20	10.20	<0.20		8.90								
03F303		12-Jan-88	A17			16.00	390.00	11.00		60.00	<0.20	<0.20	27.00	<0.20	17.00	<0.20		11.00								
03F303		28-Apr-88	A18			10.70	274.00	8.20		41.90	<0.20	<0.20	18.50	<0.20	10.30	<0.20		<0.20								
03F303		19-Jul-88	A19			18.00	700.00	5.00		48.00	<0.20	<0.20	28.00	<0.20	13.00	<0.20		<0.20								
03F303		21-Oct-88	A20			14.00	1000.00	5.20		32.00	<0.50	<0.50	22.00	<0.50	7.60	<1.00		<0.50								
03F303		06-Jan-89	A21			13.00	61.00	7.60		61.00	<1.00	<1.00	20.00	<1.00	11.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
03F303		16-Mar-89	A21			11.00	1200.00	<10.00		<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00		61.00								
03F303		20-Apr-89	A22			11.00	1100.00	6.90		38.00	0.30	<1.00	14.00	<0.20	5.70	<0.20		0.80								
03F303		19-Jul-89	A23			17.00	860.00	9.00		48.00	<4.00	<20.00	20.00	<4.00	6.80	<4.00		<4.00								
03F303		24-Oct-89	A24			12.00	850.00	<5.00		28.00	<5.00	<25.00	19.00	<5.00	<5.00	<5.00		<5.00								
03F303		18-Jan-90	A25			8.60	650.00	6.20		33.00	<5.00	<25.00	24.00	<5.00	<5.00	<5.00		<5.00								
03F303		08-May-90	A26			8.60	700.00	5.50		20.00	<0.50	<0.50	15.00	<0.50	4.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03F303		13-Jul-90	A27			11.00	510.00	6.90		29.00	<1.50	<7.50	24.00	<5.00	5.90	<1.00	<1.50	<2.50	<1.00		7.50					
03F303		19-Dec-90	A29			<1.00	320.82	<1.00	18.08			<1.90	11.64	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F303		19-Mar-91	A30			<10.00	380.00	<10.00	17.00		<3.00	<19.00	16.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F303		05-Jun-91	A31			<10.00	350.00	<10.00	15.00		<15.00	<19.00	13.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F303		05-Sep-91	A32			<20.00	360.00	<20.00	14.00		<6.00	<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03F303		04-Dec-91	A33	GNA 014		<5.00	360.00	<5.00	15.00		<1.50	<9.50	14.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03F303		06-Mar-92	A34	GNJ 013		<10.00	400.00	<10.00	15.00		<5.00	<19.00	18.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F303		05-Jun-92	A35	GNX 011		<10.00	390.00	<10.00	13.00		<3.00	<19.00	15.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F303		01-Sep-92	A36		(5)	<20.00	400	<20.00	11			<38.00	32	<20.00	<15.60	<10.00	<26.00	<14.40	<20.00	<20.00	<64.00					
03F303		03-Mar-93	A38	ZBS 016		6.10	340.00	5.90	10.00		<1.50	<9.50	21.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03F303		15-Sep-93	A40	IKE 004		<10.00	390.00	<10.00	9.80		<3.00	<19.00	41.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F303	(4)	15-Sep-93	A40	ZKD 014		6.10	350.00	<5.00	7.60		<1.50	<9.50	33.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03F303		03-Mar-94	A42	IKS 011	44113	<10.00	250.00	<10.00	<5.00		<3.00	<19.00	48.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F303		07-Sep-94	A44	IVR 009	NA	5.10	160.00	9.30	4.60		<0.60	<3.80	41.00	2.50	4.60	1.30	<2.60	0.78	<2.00	<2.00	<6.40					
03F303	(4)	07-Sep-94	A44	IVR 010	NA	4.90	180.00	8.60	4.60		<0.60	<3.80	41.00	2.50	4.60	1.20	<2.60	<1.40	<2.00	<2.00	<6.40					
03F304		17-Nov-87	A16			<0.20	5.10	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03F304		15-Dec-87	A16			<0.20	8.33	<0.20		1.11	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		0.39								
03F304		12-Jan-88	A17			<0.20	8.20	<0.20		1.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03F304		28-Apr-88	A18			<0.20	8.02	<0.20		1.16	<0.20	<0.20	1.26	<0.20	<0.20	<0.20		<0.20								
03F304		19-Jul-88	A19			<0.20	9.50	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03F304		16-Mar-89	A21			<1.00	6.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
03F304		20-Apr-89	A22			<0.20	11.00	<0.30		0.50	<0.20	<1.00	0.20	<0.20	0.20	<0.20		<0.20								
03F304		19-Jul-89	A23			<0.20	4.60	0.20		0.40	<0.20	<5.00	<0.20	<0.20	<0.20	<1.00		<1.00								
03F304		24-Oct-89	A24			<0.20	5.40	<0.20		<0.20	<0.20	<1.00	0.50	<0.20	<0.20	<0.20		<0.20								
03F304		18-Jan-90	A25			<0.20	5.10	<0.20		0.40	<0.20	<1.00	0.70	0.40	<0.20	<0.20		<0.20								
03F304		08-May-90	A26			<0.50	6.70	<0.50		<0.50	<0.50	<0.50	1.80	1.30	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03F304		13-Jul-90	A27			<1.00	7.30	0.40		<0.50	<0.30	<1.50	5.90	1.10	0.20	<0.20	<0.30	<0.50	<0.20		<1.00					
03F304		19-Dec-90	A29			<1.00	5.41	<1.00	<0.50			<1.90	6.44	1.53	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		19-Mar-91	A30			<1.00	8.34	<1.00	<0.50		<0.30	<1.90	9.82	1.62	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		05-Jun-91	A31			<1.00	9.42	1.78	<0.50		<0.30	<1.90	8.81	2.03	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		05-Jun-91	A31			<1.00	8.00	<1.00	<0.50		<0.30	<1.90	8.21	1.96	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		05-Sep-91	A32			<1.00	7.83	<1.00	<0.50		<0.30	<1.90	8.32	1.82	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		04-Dec-91	A33	GNA 015		<1.00	7.28	<1.00	<0.50		<0.30	<1.90	12.40	1.71	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		06-Mar-92	A34	GNJ 011		<1.00	7.30	1.09	<0.50		<0.50	<1.90	17.30	1.61	0.92	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		05-Jun-92	A35	GNY 004		<1.00	7.52	2.40	<0.50		<0.30	<1.90	22.30	1.53	1.05	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304	(4)	05-Jun-92	A35	GNW 020		<1.00	8.28	2.41	<0.50		<0.30	<1.90	24.30	1.43	1.12	1.05	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		01-Sep-92	A36		(5)	<1.00	6.22	2.84	<0.50			<1.90	21.9	1.74	1.19	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304	(4)	01-Sep-92	A36		(5)	<1.00	6.83	2.9	<0.50			<1.90	23.1	1.51	1.1	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		03-Mar-93	A38	ZBS 015		<1.00	7.48	3.50	<0.50		<0.30	<1.90	25.80	1.27	1.87	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304	(4)	03-Mar-93	A38	ZBT 006		<1.00	8.84	3.43	<0.50		<0.30	<1.90	28.40	1.30	1.94	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		15-Sep-93	A40	IKE 005		<1.00	12.10	4.78	<0.50		<0.30	<1.90	40.10	1.19	2.51	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		03-Mar-94	A42	IKS 012	44113	<1.00	17.60	5.47	<0.50		<0.30	<1.90	39.20	<1.00	2.74	0.72	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		07-Sep-94	A44	IVR 011	NA	<1.00	31.50	8.94	0.47		<0.30	<1.90	38.20	1.05	3.98	0.97	<1.30	<0.72	<1.00	<1.00	<3.20					
03F305		17-Nov-87	A16			0.80	22.90	2.20		0.80	<0.20	<0.20	17.60	2.40	2.00	<0.20		0.40								
03F305		15-Dec-87	A16			1.10	54.00	4.10		1.55	<0.20	<0.20	31.00	3.10	6.14	<0.20		0.47								
03F305		12-Jan-88	A17			0.86	61.00	3.60		1.60	<0.20	<0.20	39.00	2.30	5.50	<0.20		0.75								
03F305		28-Apr-88	A18			0.82	26.30	4.19		1.38	<0.20	<0.20	34.90	1.86	2.49	<0.20		<0.20								
03F305		19-Jul-88	A19			6.50	38.00	2.40		0.73	<0.20	<0.20	85.00	8.60	1.80	<0.20		<0.20								

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03F305		06-Jan-89	A21			1.10	21.00	4.70		<1.00	<1.00	<1.00	44.00	2.30	3.60	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
03F305		16-Mar-89	A21			2.00	68.00	8.20		<1.00	11.00	<1.00	68.00	1.80	14.00	1.30		1.90								
03F305		20-Apr-89	A22			1.40	100.00	15.00		3.30	<0.20	<1.00	58.00	1.60	19.00	<0.20		0.40								
03F305		19-Jul-89	A23			1.30	140.00	49.00		7.80	<1.00	<5.00	110.00	2.60	34.00	<1.00		<1.00								
03F305		23-Oct-89	A24			<2.00	430.00	77.00		13.00	<2.00	<10.00	240.00	<2.00	67.00	<2.00		<2.00								
03F305		18-Jan-90	A25			<4.00	590.00	79.00		26.00	<4.00	<20.00	330.00	<4.00	110.00	<4.00		<4.00								
03F305		08-May-90	A26			0.60	1200.00	140.00		23.00	<0.50	<0.50	500.00	2.30	100.00	1.60	<0.50	1.20	<0.50		11.00					
03F305		13-Jul-90	A27			<20.00	1600.00	210.00		46.00	<6.00	<30.00	770.00	<20.00	170.00	<4.00	<6.00	<10.00	<4.00		69.00					
03F305		19-Dec-90	A29			<1.00	1834.76	116.22	52.45			<1.90	746.65	<1.00	148.58	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F305		19-Mar-91	A30			<50.00	2100.00	170.00	42.00		<15.00	<95.00	980.00	<50.00	160.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F305	(4)	19-Mar-91	A30			<50.00	2100.00	170.00	44.00		<15.00	<95.00	980.00	<50.00	160.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F305		05-Jun-91	A31			<50.00	2100.00	150.00	49.00		<15.00	<95.00	930.00	<50.00	160.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F305		05-Sep-91	A32			<100.00	2400.00	110.00	<50.00		<30.00	<190.00	880.00	<100.00	160.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F305	(4)	05-Sep-91	A32			<100.00	2900.00	120.00	62.00		<30.00	<190.00	970.00	<100.00	170.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F305		04-Dec-91	A33	GNA 016		<50.00	2800.00	140.00	60.00		<15.00	<95.00	1100.00	<50.00	170.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F305		06-Mar-92	A34	GNJ 012		<100.00	2600.00	120.00	60.00		<50.00	<190.00	950.00	<100.00	170.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F305		05-Jun-92	A35	GNX 012		<100.00	2700.00	160.00	<50.00		<30.00	<190.00	910.00	<100.00	170.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F305		01-Sep-92	A36		(5)	8.52	2800	200	62			<1.90	1300	4.38	210	6	<1.30	2.83	<1.00	<1.00	<3.20					
03F305		03-Mar-93	A38	ZBT 007		<50.00	2600.00	140.00	65.00		<15.00	<95.00	1100.00	<50.00	170.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F305		15-Sep-93	A40	IKE 006		<100.00	2700.00	140.00	58.00		<30.00	<190.00	940.00	<100.00	150.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F305		03-Mar-94	A42	IKS 013	44113	<100.00	2800.00	<100.00	<50.00		<30.00	<190.00	910.00	<100.00	130.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F305		07-Sep-94	A44	IVR 012	NA	<50.00	2600.00	160.00	65.00		<15.00	<95.00	820.00	<50.00	160.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F306		17-Nov-87	A16			0.40	1500.00	130.00		17.00	<0.20	0.20	845.00	1.30	90.00	2.50		15.80								
03F306		15-Dec-87	A16			0.36	2130.00	48.80		27.40	0.60	<0.20	1150.00	1.46	143.00	4.40		15.30								
03F306		12-Jan-88	A17			<4.00	2420.00	171.00		5.70	<4.00	<4.00	1224.00	<4.00	185.00	<4.00		9.20								
03F306		28-Apr-88	A18			<0.20	530.00	160.00		38.00	<0.20	<0.20	100.00	<0.20	120.00	<0.20		<0.20								
03F306		19-Jul-88	A19			<0.20	2920.00	135.00		34.00	<0.20	<0.20	1500.00	3.80	236.00	8.00		<0.20								
03F306		21-Oct-88	A20			1.10	1400.00	90.00		25.00	<0.50	<0.50	475.00	2.00	55.00	<1.00		2.00								
03F306		06-Jan-89	A21			1.50	300.00	55.00		18.00	<1.00	<1.00	450.00	1.30	75.00	3.60	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
03F306		16-Mar-89	A21			<10.00	2800.00	170.00		33.00	<10.00	<10.00	1200.00	<10.00	150.00	<10.00		<10.00								
03F306		20-Apr-89	A22			0.80	2800.00	330.00		100.00	0.40	1.30	1400.00	2.00	200.00	3.20		0.90								
03F306		19-Jul-89	A23			<5.00	2200.00	300.00		30.00	<5.00	<25.00	800.00	<5.00	130.00	<5.00		<5.00								
03F306		23-Oct-89	A24			<20.00	2700.00	290.00		<20.00	<20.00	<100.00	940.00	<20.00	130.00	<20.00		<20.00								
03F306		18-Jan-90	A25			<40.00	3300.00	220.00		<40.00	<40.00	<200.00	1200.00	<40.00	170.00	<40.00		<40.00								
03F306		08-May-90	A26			1.40	4200.00	250.00		33.00	<0.50	<0.50	1100.00	2.40	120.00	3.30	<0.50	2.20	<0.50		4.50					
03F306		13-Jul-90	A27			<50.00	4700.00	350.00		32.00	<15.00	<75.00	1400.00	<50.00	200.00	<10.00	<15.00	<25.00	<10.00		140.00					
03F306	(4)	13-Jul-90	A27			<50.00	4900.00	340.00		33.00	<15.00	<75.00	1500.00	<50.00	190.00	<10.00	<15.00	<25.00	<10.00		180.00					
03F306		19-Dec-90	A29			<1.00	6437.77	<1.00	<0.50			<1.90	1373.84	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F306		19-Mar-91	A30			<250.00	7000.00	<250.00	<130.00		<75.00	<480.00	1600.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03F306		05-Jun-91	A31			<200.00	6400.00	<200.00	<100.00		<60.00	<380.00	1600.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03F306		05-Sep-91	A32			<250.00	7200.00	<250.00	<130.00		<75.00	<480.00	1500.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03F306		04-Dec-91	A33	GNB 004		<500.00	7500.00	<500.00	<250.00		<150.00	<950.00	1900.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03F306		06-Mar-92	A34	GNJ 009		<200.00	6900.00	<200.00	<100.00		<100.00	<380.00	1400.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03F306		05-Jun-92	A35	GNX 014		<200.00	6400.00	<200.00	<100.00		<60.00	<380.00	1300.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03F306		01-Sep-92	A36		(5)	17.2	7500	200	28.4			<1.90	1900	10.2	95	<0.50	<1.30	3.28	<1.00	12.1	8.47					
03F306		03-Mar-93	A38	ZBT 016		<100.00	7300.00	170.00	<50.00		<30.00	<190.00	1800.00	<100.00	95.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F306		15-Sep-93	A40	IKE 008		<100.00	7500.00	130.00	<50.00		<30.00	<190.00	1400.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F306		03-Mar-94	A42	IKS 014	44113	<200.00	4900.00	<200.00	<100.00		<60.00	<380.00	1100.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03F306	(4)	03-Mar-94	A42	IKS 015	44113	<200.00	5600.00	<200.00	<100.00		<60.00	<380.00	1200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03F306		07-Sep-94	A44	IVR 014	NA	<100.00	4900.00	140.00	<50.00		<30.00	<190.00	820.00	<100.00	71.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F307		17-Nov-87	A16			3.00	2370.00	60.00		18.00	<0.20	<0.20	480.00	3.00	48.00	<0.20		<0.20								
03F307		15-Dec-87	A16			1.70	3275.00	110.00		16.30	0.40	<0.20	90.80	1.80	45.00	4.10		13.10								
03F307		12-Jan-88	A17			<4.00	3300.00	61.40		27.00	<4.00	<4.00	786.00	<4.00	103.00	<4.00		131.00								
03F307		28-Apr-88	A18			<4.00	3400.00	100.00		31.00	<4.00	<4.00	550.00	<4.00	75.00	<4.00		<4.00								
03F307		19-Jul-88	A19			2.30	3020.00	76.00		22.00	<0.20	<0.20	893.00	2.00	82.00	5.00		<0.20								
03F307		21-Oct-88	A20			1.50	3200.00	70.00		18.00	<0.50	<0.50	605.00	1.20	70.00	3.20		2.00								
03F307		16-Mar-89	A21			<10.00	4174.00	64.00		59.00	<10.00	<10.00	900.00	<10.00	98.00	<10.00		<10.00								
03F307		20-Apr-89	A22			2.20	3600.00	150.00		23.00	0.20	1.00	530.00	2.00	83.00	3.90		0.60								
03F307		19-Jul-89	A23			<4.00	2400.00	210.00		25.00	<4.00	<20.00	640.00	<4.00	100.00	<4.00		<4.00								
03F307		23-Oct-89	A24			<20.00	3300.00	170.00		<20.00	<20.00	<100.00	590.00	<20.00	82.00	<20.00		<20.00								
03F307		19-Jan-90	A25			<20.00	2700.00	91.00		20.00	<20.00	<100.00	570.00	<20.00	110.00	<20.00		<20.00								
03F307		08-May-90	A26			1.50	3200.00	130.00		22.00	<0.50	<0.50	550.00	2.30	80.00	3.40	<0.50	1.20	<0.50		4.10					
03F307		13-Jul-90	A27			<50.00	2800.00	160.00		<25.00	<15.00	<75.00	570.00	<50.00	130.00	<10.00	<15.00	<25.00	<10.00		100.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03F307		19-Dec-90	A29			1087.20	3422.75	903.78	554.47			<1.90	1410.92	1044.47	114.86	475.25	<1.30	<0.72	<1.00	<1.00	<3.20					
03F307		19-Dec-90	A29			<1.00	2864.81	<1.00	<0.50			<1.90	407.83	<1.00	111.70	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F307		19-Dec-90	A29			1114.79	3540.77	912.43	583.88			<1.90	1472.71	1054.81	118.02	480.20	<1.30	<0.72	<1.00	<1.00	<3.20					
03F307		19-Mar-91	A30			<100.00	2900.00	<100.00	<50.00		<30.00	<190.00	470.00	<100.00	91.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F307		06-Jun-91	A31			<100.00	2500.00	<100.00	<50.00		<30.00	<190.00	340.00	<100.00	94.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F307		05-Sep-91	A32			<100.00	2700.00	<100.00	<50.00		<30.00	<190.00	360.00	<100.00	86.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F307		04-Dec-91	A33	GNB 015		<100.00	2700.00	<100.00	<50.00		<30.00	<190.00	400.00	<100.00	84.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F307		06-Mar-92	A34	GNJ 004		<50.00	2500.00	<50.00	<25.00		<25.00	<95.00	310.00	<50.00	79.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F307	(4)	06-Mar-92	A34	GNJ 007		<100.00	2700.00	<100.00	<50.00		<50.00	<190.00	360.00	<100.00	86.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F307		05-Jun-92	A35	GNX 018		<50.00	2400.00	70.00	<25.00		<15.00	<95.00	290.00	<50.00	84.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F307		01-Sep-92	A36		(5)	<50.00	2400	65	<25.00			<95.00	410	<50.00	80	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F307		03-Mar-93	A38	ZBT 008		<50.00	2100.00	81.00	<25.00		<15.00	<95.00	360.00	<50.00	84.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F307		15-Sep-93	A40	IKF 004		<50.00	2400.00	<50.00	<25.00		<15.00	<95.00	350.00	<50.00	53.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F307		03-Mar-94	A42	IKS 016	44113	<50.00	1600.00	<50.00	<25.00		<15.00	<95.00	210.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F307		07-Sep-94	A44	IVS 004	NA	<20.00	1400.00	39.00	7.60		<6.00	<38.00	120.00	<20.00	42.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03F308		16-Mar-89	A21			<5.00	75.00	<5.00		<5.00	<5.00	<5.00	15.00	<5.00	<5.00	<5.00		<5.00								
03F308		20-Apr-89	A22			<0.20	44.00	<1.70		0.30	<0.20	<1.00	5.00	<0.20	1.30	<0.20		<0.20								
03F308		19-Jul-89	A23			<0.20	29.00	1.40		0.30	<0.20	<1.00	4.50	<0.20	0.80	<0.20		<0.20								
03F308		23-Oct-89	A24			<0.20	32.00	1.10		<0.20	<0.20	<1.00	5.30	<0.20	0.80	<0.20		<0.20								
03F308		19-Jan-90	A25			<0.20	22.00	0.50		<0.20	<0.20	<1.00	4.00	<0.20	0.70	<0.20		<0.20								
03F308		08-May-90	A26			<0.50	23.00	<0.50		<0.50	<0.50	<0.50	2.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		3.40					
03F308		13-Jul-90	A27			<1.00	20.00	0.30		<0.50	<0.30	<1.50	2.90	<1.00	0.40	<0.20	<0.30	<0.50	<0.20		<1.00					
03F308		19-Dec-90	A29			<1.00	16.31	<1.00	<0.50			<1.90	1.38	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		19-Dec-90	A29			<1.00	17.38	<1.00	<0.50			<1.90	1.39	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		19-Mar-91	A30			<1.00	13.20	<1.00	<0.50		<0.30	<1.90	1.37	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		06-Jun-91	A31			<1.00	8.22	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		05-Sep-91	A32			<1.00	12.70	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		04-Dec-91	A33	GNB 005		<1.00	10.70	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		06-Mar-92	A34	GNJ 005		<1.00	11.00	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		05-Jun-92	A35	GNX 019		<1.00	8.52	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		01-Sep-92	A36		(5)	<1.00	8.57	<1.00	<0.50			<1.90	1.79	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		03-Mar-93	A38	ZBT 010		<1.00	9.73	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		15-Sep-93	A40	IKE 010		<1.00	7.78	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		03-Mar-94	A42	IKS 017	44113	<1.00	5.41	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		07-Sep-94	A44	IVS 006	NA	<1.00	5.21	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.95	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		19-Dec-88	A20			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
03F312		16-Mar-89	A21			<1.00	1.30	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
03F312		20-Apr-89	A22			<0.20	6.30	<0.80		0.40	<0.20	<1.00	1.70	<0.20	0.80	<0.20		<0.20								
03F312		19-Jul-89	A23			<0.20	10.00	1.90		0.80	<0.20	<1.00	3.60	<0.20	2.80	<0.20		<0.20								
03F312		24-Oct-89	A24			<0.20	31.00	2.10		1.70	<0.20	<1.00	3.70	<0.20	3.70	<0.20		<0.20								
03F312		18-Jan-90	A25			<0.20	26.00	2.10		2.30	<0.20	<1.00	3.20	<0.20	4.30	<0.20		<0.20								
03F312		08-May-90	A26			<0.50	22.00	1.20		1.10	<0.50	<0.50	1.20	<0.50	2.40	<0.50	<0.50	<0.50	<0.50		<0.50					
03F312		13-Jul-90	A27			<1.00	20.00	2.70		2.50	<0.30	<1.50	2.20	<1.00	4.50	<0.20	<0.30	<0.50	<0.20		1.40					
03F312		19-Dec-90	A29			<1.00	17.92	1.19	1.54			<1.90	<1.00	<1.00	2.59	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		19-Mar-91	A30			<1.00	17.00	1.21	1.31		<0.30	<1.90	<1.00	<1.00	2.54	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		05-Jun-91	A31			<1.00	18.50	<1.00	1.47		<0.30	<1.90	<1.00	<1.00	2.13	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		05-Sep-91	A32				21.80		<0.50						2.32											
03F312		05-Sep-91	A32			<1.00	<0.50	<1.00	1.45		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		04-Dec-91	A33	GNB 009		<1.00	18.10	<1.00	1.05		<0.30	<1.90	<1.00	<1.00	2.02	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		06-Mar-92	A34	GNJ 014		<1.00	17.60	<1.00	1.16		<0.50	<1.90	<1.00	<1.00	1.93	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		06-Mar-92	A34	GNJ 015		<1.00	16.80	<1.00	1.13		<0.50	<1.90	<1.00	<1.00	1.89	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		05-Jun-92	A35	GNW 019		<1.00	19.30	<1.00	0.96		<0.30	<1.90	<1.00	<1.00	1.70	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		01-Sep-92	A36	IBE 013		<1.00	20.60	<1.00		0.86	<0.30	<1.90	1.08	<1.00	1.57	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		03-Mar-93	A38	ZBS 014		<1.00	16.70	<1.00	0.82		<0.30	<1.90	<1.00	<1.00	1.31	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		15-Sep-93	A40	ZKD 012		<1.00	14.90	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		03-Mar-94	A42	IKU 004	44113	<1.00	16.10	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		07-Sep-94	A44	ZVQ 011	NA	<1.00	13.60	<1.00	0.36		<0.30	<1.90	<1.00	<1.00	0.59	0.86	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		16-Nov-87	F16			<0.88	1.69	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L001		13-Jan-88	A17			<0.20	1.00	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20			<0.20								
03L001		11-May-88	A18			<0.20	2.40	<0.20		<0.20	<0.20	<0.20	0.73	<0.20	<0.20	<0.20		<0.20								
03L001		29-Jul-88	A19			<0.20	0.41	<0.20		<0.20	<0.20	<0.20	0.23	<0.20	<0.20	<0.20		<0.20								
03L001		20-Oct-88	A20			<0.50	<0.50	<0.50		<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03L001		18-Apr-89	A22			<0.20	<0.40	<0.30		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03L001		11-Jul-89	A23			<0.20	1.70	0.20		<0.20	<0.20	<1.00	0.70	<0.20	<0.20	<0.20		<0.20								
03L001		11-Oct-89	A24			<0.20	0.40	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03L001		16-Jan-90	A25			<0.20	1.20	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03L001		27-Apr-90	A26			<0.50	3.00	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03L001		19-Jul-90	A27			<1.00	1.60	<0.30		<0.50	<0.30	<1.50	<0.50	<1.00	<0.20	<0.20		<0.50								
03L001		07-Mar-91	A30			<1.00	2.15	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		07-Mar-91	A30			<1.00	2.60	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		05-Jun-91	A31			<1.00	1.27	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001	(4)	05-Jun-91	A31			<1.00	1.20	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		04-Sep-91	A32			<1.00	1.71	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		04-Mar-92	A34	GNH 012		<1.00	2.11	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		03-Jun-92	A35	GNV 004		<1.00	1.15	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001	(4)	03-Jun-92	A35	GNV 005		<1.00	1.27	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		03-Sep-92	A36		(5)	<1.00	0.68	<1.00	<0.50			<1.90	1.43	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		11-Mar-93	A38	ZHB 010		<1.00	1.05	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		15-Sep-93	A40	ZKD 004		<1.00	0.74	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		07-Mar-94	A42	ZKW 004	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		07-Sep-94	A44	ZVQ 006	NA	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.65	<1.30	<0.72	<1.00	<1.00	<3.20					
03L002		17-Nov-87	F16			<44.00	1100.00	61.00	38.00			<75.00	260.00	<50.00	190.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00	<3.09	<3.39	<1.17		
03L002		18-Jan-88	A17			<0.20	2450.00	24.00		68.00	<0.20	1.60	660.00	0.63	312.00	3.40		<0.20								
03L002		10-May-88	A18			<2.00	2000.00	<159.00		66.00	<2.00	<2.00	613.00	<2.00	270.00	<0.20		2.50								
03L002		04-Aug-88	A19			<0.20	2280.00	154.00		72.00	<0.20	0.63	510.00	0.58	255.00	3.40		3.10								
03L002		24-Oct-88	A20			<0.50	2670.00	139.00		144.00	<0.50	<1.00	588.00	0.47	410.00	8.40		5.50								
03L002		12-Oct-89	A24			<10.00	1100.00	42.00		<10.00	<10.00	<50.00	68.00	<10.00	52.00	<10.00		<10.00								
03L002		27-Apr-90	A26			<0.50	1900.00	160.00		44.00	<0.50	<0.50	520.00	<0.50	170.00	<0.50	2.10	1.40	5.40		<0.50					
03L002		08-Mar-91	A30			<100.00	1500.00	<100.00	<50.00		<30.00	<190.00	320.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03L002		09-Mar-92	A34	GNK 013		<25.00	940.00	<25.00	<12.00		<12.00	<48.00	140.00	<25.00	23.00	<12.00	<32.00	<18.00	<25.00	<25.00	<80.00					
03L002		09-Mar-93	A38	ZBZ 009		<5.00	320.00	<5.00	4.60		<1.50	<9.50	42.00	<5.00	9.50	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L002		04-Mar-94	A42	JKV 009	44113	<10.00	200.00	<10.00	<5.00		<3.00	<19.00	11.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L003		19-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	4.75	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L003		11-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L004		18-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L004		09-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L005		23-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L005		10-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L005		24-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L005		29-Mar-91	F30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L005		17-Mar-92	F34	BGH 013		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L005		09-Mar-93	F38	IBZ 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L005		17-Mar-94	F42	IUO 004	NT-2	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
03L007		09-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L007		10-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03L007		28-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L007		10-Mar-92	F34	BFR 007		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L007		14-Mar-94	F42	IUH 011	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.93	<1.30	<0.72	<1.00	<1.00	<3.20					
03L010		09-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L010		10-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03L010		10-Mar-92	F34	BFR 006		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L012		09-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L012		11-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03L013		10-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L014		23-Nov-87	F16			<0.88	2.77	<0.49	<0.56			<1.50	2.34	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L014		10-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L017		10-Nov-87	F16			<22.00	540.00	<12.00	<14.00			<38.00	200.00	<25.00	<18.00	<13.00	<28.00	<10.00	<16.00	<110.00	<45.00	<3.09	<3.39	<1.17		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03L017		25-Apr-90	A26			<0.50	44.00	3.20		<0.50	<0.50	<0.50	14.00	<0.50	1.00	<0.50	<0.50	<0.50	<0.50		<0.50					
03L017		07-Mar-91	A30			<1.00	6.41	<1.00	<0.50		<0.30	<1.90	1.77	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L017		11-Mar-92	A34	GNL 015		<1.00	1.87	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L017		12-Mar-93	A38	IHD 006		<1.00	10.90	<1.00	<0.50		<0.30	<1.90	1.45	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L017		03-Mar-94	A42	IKU 014	44113	<1.00	9.18	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L018		23-Nov-87	F16			<0.88	2.54	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L018		08-Apr-88	F18			<1.00	1.06	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L018		22-Aug-88	F19			<1.00	2.70	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L018		18-Nov-88	F20			<1.00	6.52	<1.00	<0.50			<1.90	1.64	<1.00		<0.50		<0.72	<1.00			<0.41	3.02	<8.28		
03L018		04-May-90	A26			<0.50	13.00	<0.50		<0.50	<0.50	<0.50	2.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03L018		15-Mar-91	A30			<1.00	0.60	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L018		11-Mar-92	A34	GNM 004		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L018	(4)	11-Mar-92	A34	GNL 021		<1.00	0.62	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L018		18-Mar-93	A38	ZHI 010		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L018		03-Mar-94	A42	IKR 011	44113	<1.00	16.40	<1.00	<0.50		<0.30	<1.90	4.36	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L020		07-Dec-87	F16			<880.00	14000.00	<490.00	<560.00			<1500.00	4200.00	<990.00	<720.00	<510.00	<1100.00	<410.00	<620.00	<4500.00	<1800.00	<3100.00	<3400.00	<1200.00		
03L020		17-Aug-88	F19			<200.00	4700.00	280.00	520.00			<380.00	1300.00	<200.00		<100.00		<140.00	<200.00			<0.41	1.27	<8.28		
03L021		13-Oct-89	A24			<0.40	10.00	11.00		2.20	<0.40	<2.00	20.00	<0.40	42.00	<0.40		<0.40								
03L021		02-May-90	A26			<0.50	370.00	46.00		13.00	<0.50	<0.50	73.00	<0.50	110.00	<0.50	0.80	<0.50	<0.50		<0.50					
03L021		14-Mar-91	A30			<25.00	540.00	<25.00	19.00		<7.50	<48.00	70.00	<25.00	74.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03L021		11-Mar-92	A34	GNL 020		<1.00	160.00	3.44	4.07		<0.50	<1.90	8.87	<1.00	13.60	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L021		15-Mar-93	A38	ZHF 006		<2.00	100.00	2.40	2.40		<0.60	<3.80	6.00	<2.00	8.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03L021		02-Mar-94	A42	IKT 012	NC	<2.00	77.00	<2.00	2.10		<0.60	<3.80	3.50	<2.00	4.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03L021	(4)	02-Mar-94	A42	IKT 013	NC	<2.00	79.00	<2.00	2.00		<0.60	<3.80	3.70	<2.00	4.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03L029		03-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L077		04-Dec-87	F16			<88.00	1600.00	61.00	<56.00			<150.00	610.00	<99.00	<72.00	<51.00	<110.00	<41.00	<62.00	<450.00	<180.00	<150.00	<170.00	<58.00		
03L077		19-Jan-88	A17			<0.20	875.00	63.00		10.00	<0.20	0.70	350.00	0.32	53.00	1.10		1.30								
03L077		09-May-88	A18			<0.20	287.00	12.00		3.00	<0.20	<0.20	103.00	<0.20	12.00	0.44		0.36								
03L077		03-Aug-88	A19			<0.20	458.00	8.00		7.00	<0.20	<0.20	163.00	<0.20	15.00	<0.20		<0.20								
03L077		21-Oct-88	A20			<0.50	1000.00	32.00		7.00	<0.50	<0.50	310.00	<0.50	41.00	<1.00		1.40								
03L077		11-Oct-89	A24			<40.00	5600.00	440.00		<40.00	<40.00	<200.00	1600.00	<40.00	<40.00	<40.00		<40.00								
03L077		24-Apr-90	A26			2.40	4500.00	140.00		19.00	<0.50	<0.50	1100.00	3.00	37.00	<0.50	3.80	2.20	<0.50		<0.50					
03L077		07-Mar-91	A30			<500.00	7000.00	<500.00	<250.00		<150.00	<950.00	1700.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03L077		05-Mar-92	A34	GNI 008		<200.00	5800.00	<200.00	<100.00		<100.00	<380.00	1300.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03L077		09-Mar-93	A38	ZBZ 004		<100.00	5500.00	56.00	<50.00		<30.00	<190.00	950.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03L077		08-Mar-94	A42	IKZ 011	46809	<50.00	1200.00	<50.00	<25.00		<15.00	<95.00	180.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03L078		23-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L078		15-Jan-88	A17			<0.20	0.62	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L078		13-May-88	A18			<0.20	1.30	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L078		03-Aug-88	A19			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L078		18-Aug-88	F19			<1.00	2.69	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L078		16-Oct-89	A24			<0.20	1.50	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03L078		30-Apr-90	A26			<0.50	1.10	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03L078		13-Mar-91	A30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L078		11-Mar-92	A34	GNM 009		<1.00	1.03	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L078		12-Mar-93	A38	IHD 010		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L078		08-Mar-94	A42	IKY 010	46809	<1.00	0.71	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L079		04-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L079		14-Jan-88	A17			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L079		09-May-88	A18			<0.20	2.40	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L079		03-Aug-88	A19			<0.20	1.00	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L079		18-Aug-88	F19			<1.00	0.84	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			0.69	<0.87	<8.28		
03L079		26-Oct-88	A20			<0.50	1.00	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03L079		16-Oct-89	A24			<0.20	0.50	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03L079		01-May-90	A26			<0.50	0.70	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03L079		13-Mar-91	A30			<1.00	1.52	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L079		13-Mar-92	A34	GNN 007		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L079		15-Mar-93	A38	ZHF 011		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	1.15	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03L079		09-Mar-94	A42	IUB 010	NC	<1.00	1.11	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L080		30-Apr-90	A26			<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03L080		18-Mar-91	A30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L080	(4)	18-Mar-91	A30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L080		17-Mar-92	A34	GNO 020		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L080		15-Mar-93	A38	ZHF 004		<1.00	0.64	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L080		07-Mar-94	A42	IKX 012	NC	<1.00	1.23	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L081		01-May-90	A26			<0.50	7.70	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03L081		29-Mar-91	F30			<1.00	1.97	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L081		11-Mar-92	F34	BFS 006		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L081	(4)	11-Mar-92	F34	BFS 007		<2.41	12.30	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	1.50	<3.94	<4.47	<1.41					
03L081		19-Mar-92	A34	ZNP 007		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L081		09-Mar-93	F38	IBY 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L081		16-Mar-94	F42	IUN 007	54690	<1.00	0.94	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
03L084		08-Dec-87	F16			<1.80	30.00	<1.00	<1.10			<3.00	7.10	<2.00	<1.40	<1.00	<2.20	<0.82	<1.20	<9.00	<3.60	<3.09	<3.39	<1.17		
03L084		18-Jan-88	A17			<0.20	42.00	0.76		<0.20	<0.20	<0.20	11.50	<0.20	0.36	<0.20		<0.20								
03L084		11-May-88	A18			<0.20	23.00	<0.20		<0.20	<0.20	<0.20	8.10	<0.20	0.61	<0.20		<0.20								
03L084		04-Aug-88	A19			<0.20	27.00	<0.20		<0.20	<0.20	<0.20	6.80	<0.20	<0.20	<0.20		<0.20								
03L084		20-Oct-88	A20			<0.50	18.00	<0.50		<0.50	<1.00	<0.50	4.20	<0.50	<1.00	<1.00		<0.50								
03L084		11-Oct-89	A24			<0.20	15.00	1.70		<0.20	<0.20	<1.00	4.30	<0.20	<0.20	<0.20		<0.20								
03L084		26-Apr-90	A26			<0.50	5.20	<0.50		<0.50	<0.50	<0.50	1.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03L084		13-Mar-91	A30			<1.00	1.65	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L084		06-Mar-92	A34	GNJ 017		<1.00	1.20	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L084		08-Mar-93	A38	ZBY 004		<1.00	0.67	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L084		08-Mar-94	A42	IKZ 009	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L084	(4)	08-Mar-94	A42	IKZ 010	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L086		11-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L091		03-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L091		25-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L091		01-May-90	F26			<1.00	0.62	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	1.24	6.19	<8.28		
03L091		26-Mar-91	F30			<1.00	<0.50	<1.00	<0.50				<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L091		12-Mar-92	F34	BFU 008		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.34					
03L091		12-Mar-92	F34	BFV 008																		<3.09	<3.39	<1.17		
03L091		05-Mar-93	F38	IBV 005		<1.00	1.16	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L091		15-Mar-94	F42	IUN 004	53384 (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
03L091	(4)	15-Mar-94	F42	IUM 014	53384	<1.00	0.36	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
03L113		18-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03L113		06-Apr-88	F18			<1.00	0.76	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L113		09-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L113		18-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	0.98	<8.28		
03L113		27-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	1.34	5.06	<8.28		
03L113		19-Jul-90	F27			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L113		28-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	1.18	<8.28		
03L113		13-Mar-92	F34	BGA 012		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L113		13-Mar-92	F34	BGB 011																		<3.09	<3.39	<1.17		
03L113		03-Mar-93	F38	IBS 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L113		15-Mar-94	F42	IUM 007	53384	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L137		17-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L137		24-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L137		18-Jul-90	F27			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L137		21-Sep-90	F28			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L137		27-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30		<1.00	<1.00	<3.20					
03L137		12-Mar-92	F34	BFU 006		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.14					
03L137		12-Mar-92	F34	BFV 006																		<3.09	<3.39	<1.17		
03L138		17-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L138		24-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L138		18-Jul-90	F27			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	0.95	<8.28		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03L138		21-Sep-90	F28			<1.00	1.72	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L138		29-Mar-91	F30			<1.00	0.58	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L138		12-Mar-92	F34	BFU 005		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.15					
03L138		12-Mar-92	F34	BFV 005																		<3.09	<3.39	<1.17		
03L138		05-Mar-93	F38	IBW 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L138	(4)	05-Mar-93	F38	IBW 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L138		16-Mar-94	F42	IUM 016	54690	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L138	(4)	16-Mar-94	F42	IUN 014	54690	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.38	<1.30	<0.72	<1.00	<1.00	<3.20					
03L523		27-Apr-90	F26			<1.00	0.85	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L523		26-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L523		26-Mar-91	F30																			<0.41	<0.87	<8.28		
03L523		04-Sep-91	F32			<1.00	0.52	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L523	(4)	04-Sep-91	F32			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L523		05-Aug-92	W0																			<0.41	<0.87	<8.28		
03L673		12-Nov-87	A16			<0.20	1200.00	5.00		77.00	<0.20	<0.20	<0.20	<0.20	7.00	<0.20		25.00								
03L673		02-May-90	A26			<0.50	3200.00	6.50		120.00	0.70	<0.50	3.80	1.50	8.50	<0.50	<0.50	0.70	<0.50		<0.50					
03L673		11-Mar-91	A30			<100.00	2000.00	<100.00	75.00		<30.00	<190.00	<100.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03L673		11-Mar-91	M30			<20.00	1900.00	<50.00		110.00	<10.00	<100.00	<20.00	<20.00	<20.00	<20.00	<20.00	<10.00	<20.00	<20.00	<50.00	<20.00	<20.00		<20.00	<20.00
03L673		17-Jun-91	M31			<20.00	5500.00	<50.00		29.00	<10.00	<100.00	<20.00	<20.00	<20.00	<20.00	<20.00	<10.00	<20.00	<20.00	<50.00	<20.00	<20.00		<20.00	<20.00
03L673		12-Mar-92	A34	GNM 010		<1.00	3900.00	<200.00	130.00		<0.50	<380.00	<200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03L673		03-Mar-93	A38	ZBS 004		<200.00	2100.00	<200.00	<100.00		<60.00	<380.00	<200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03L673		04-Mar-94	A42	IKV 007	44113	<100.00	3300.00	<100.00	59.00		<30.00	<190.00	<100.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03L673		06-Jun-94	A43	IVD 007	126780	<25.00	2000.00	<25.00	46.00		<7.50	<48.00	<25.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03L673	(4)	06-Jun-94	A43	IVD 008	126780	<25.00	2000.00	<25.00	49.00		<7.50	<48.00	<25.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03L673		14-Sep-94	A44	IVV 013	218146	<50.00	1600.00	27.00	<25.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03L802		03-Dec-87	F16			<440.00	13000.00	<240.00	<280.00			<750.00	<400.00	<500.00	<360.00	<260.00	<550.00	<200.00	<310.00	<2200.00	<900.00					
03L802		21-Jan-88	A17			<5.00	11500.00	33.00		325.00	<5.00	<5.00	30.00	<5.00	50.00	<5.00		140.00								
03L802		13-May-88	A18			0.59	7540.00	22.00		168.00	0.60	<0.20	50.00	1.40	26.00	1.30		0.25								
03L802		04-Aug-88	A19			0.38	3180.00	17.00		147.00	0.24	<0.20	27.00	1.10	23.00	0.28		3.90								
03L802		28-Oct-88	A20			<0.50	2200.00	7.50		90.00	<0.50	<0.50	6.30	<0.50	16.00	<1.00		<0.50								
03L802		20-Apr-89	A22			<0.20	7.30	5.00		27.00	<0.20	<1.00	3.20	<0.20	8.50	<0.20		<0.20								
03L802		12-Jul-89	A23			<4.00	810.00	<4.00		32.00	<4.00	<20.00	4.80	<4.00	12.00	<4.00		<4.00								
03L802		18-Oct-89	A24			<0.20	350.00	5.30		12.00	<0.20	<1.00	8.80	<0.20	6.30	<0.20		<0.20								
03L802		16-Jan-90	A25			<1.00	160.00	3.90		7.50	<1.00	<5.00	41.00	<1.00	4.20	<1.00		<1.00								
03L802		01-May-90	A26			<0.50	92.00	2.70		1.30	<0.50	<0.50	7.50	<0.50	1.30	<0.50	<0.50	<0.50	<0.50		<0.50					
03L802		18-Jul-90	A27			<1.00	59.00	2.80		2.30	<0.30	<1.50	8.20	<1.00	1.70	<0.20		<0.50								
03L802		14-Mar-91	A30			<1.00	36.50	1.61	1.80		<0.30	<1.90	10.20	<1.00	1.63	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		07-Jun-91	A31			<1.00	41.50	1.98	1.79		<0.30	<1.90	14.20	<1.00	1.45	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		04-Sep-91	A32			<1.00	27.40	<1.00	1.35		<0.30	<1.90	8.62	<1.00	1.53	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		12-Mar-92	A34	GNM 015		<2.00	36.00	<2.00	2.20		<1.00	<3.80	8.00	<2.00	1.90	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03L802		04-Jun-92	A35	GNW 012		<1.00	36.30	1.52	1.55		<0.30	<1.90	4.34	<1.00	1.26	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		08-Sep-92	A36	IBH 005		<1.00	35.50	<1.00		1.27	<0.30	<1.90	4.33	<1.00	1.05	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		04-Mar-93	A38	ZBV 010		<1.00	45.20	1.08	1.03		<0.30	<1.90	1.71	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		13-Sep-93	A40	ZKC 008		<1.00	42.20	<1.00	0.69		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		03-Mar-94	A42	IKR 004	44113	<1.00	29.90	<1.00	0.58		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		09-Sep-94	A44	ZVT 007	211540	<1.00	28.90	<1.00	0.50		<0.30	<1.90	0.58	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
03L806		02-Dec-87	F16			<180.00	5100.00	260.00	<110.00			<300.00	1700.00	<200.00	340.00	<100.00	<220.00	<82.00	<120.00	<900.00	<360.00					
03L806		19-Jan-88	A17			<0.20	3500.00	262.00		67.00	<0.20	<0.20	1250.00	2.60	370.00	8.30		<0.20								
03L806		12-May-88	A18			<0.20	740.00	134.00		66.00	0.24	0.25	378.00	0.66	304.00	6.10		0.79								
03L806		04-Aug-88	A19			<0.20	2065.00	232.00		124.00	<0.20	0.68	810.00	0.71	403.00	7.80		5.70								
03L806		25-Oct-88	A20			<0.50	3890.00	150.00		120.00	<0.50	<0.50	1170.00	0.73	300.00	6.60		5.10								
03L806		11-Jul-89	A23			<4.00	540.00	130.00		110.00	<4.00	<20.00	150.00	<4.00	240.00	4.10		<4.00								
03L806		16-Oct-89	A24			<10.00	2000.00	230.00		27.00	<10.00	<50.00	590.00	<10.00	130.00	<10.00		<10.00								
03L806		17-Jan-90	A25			<20.00	2200.00	160.00		31.00	<20.00	<100.00	790.00	<20.00	150.00	<20.00		<20.00								
03L806		23-Apr-90	A26			<0.50	5500.00	500.00		44.00	<0.50	<0.50	1800.00	1.40	220.00	<0.50	5.20	4.10	<0.50		<0.50					
03L806		18-Jul-90	A27			<10.00	1100.00	340.00		140.00	<3.00	<15.00	360.00	<10.00	360.00	8.80		5.70								
03L806		11-Mar-91	A30			<500.00	5100.00	<500.00	<250.00		<150.00	<950.00	2400.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03L806		07-Jun-91	A31			<200.00	4700.00	410.00	130.00		<12000.00	<380.00	1600.00	<200.00	440.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03L806		04-Sep-91	A32			<500.00	5400.00	<500.00	<250.00		<150.00	<950.00	1600.00	<500.00	460.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03L806		04-Mar-92	A34	GNH 006		<100.00	3300.00	210.00	130.00		<50.00	<190.00	730.00	<100.00	460.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03L806	(4)	04-Mar-92	A34	GNH 007		<25.00	4300.00	350.00	120.00		<12.00	<48.00	1200.00	<25.00	550.00	13.00	<32.00	<18.00	<25.00	<25.00	<80.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03L806		05-Jun-92	A35	GNX 004		<100.00	3300.00	270.00	96.00		<30.00	<190.00	600.00	<100.00	440.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03L806		03-Sep-92	A36	IBG 013		<5.00	1800.00	210.00		54.00	<1.50	<9.50	440.00	<5.00	340.00	5.90	<6.50	<3.60	<5.00	<5.00	<16.00					
03L806		03-Mar-93	A38	ZBT 012		<10.00	410.00	110.00	82.00		<3.00	<19.00	25.00	<10.00	240.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L806		13-Sep-93	A40	ZKC 004		<10.00	390.00	30.00	12.00		<3.00	<19.00	100.00	<10.00	68.00	<5.00	<13.00	<7.20	13.00	<10.00	<32.00					
03L806		02-Mar-94	A42	IKQ 009	NC	<1.00	230.00	11.80	3.07		<0.30	<1.90	50.10	3.20	12.80	1.09	<1.30	<0.72	<1.00	<1.00	<3.20					
03L806		09-Sep-94	A44	ZVT 005	211540	<5.00	120.00	10.00	3.90		<1.50	<9.50	26.00	2.60	15.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L809		10-May-89	F22			<50.00	1900.00	230.00	45.00			<95.00	1030.00	<50.00		<25.00		<36.00	<50.00			<21.00	<44.00	<410.00		
03L809		20-Oct-89	F24			<88.00	1800.00	150.00	140.00			<150.00	380.00	<99.00		<51.00		<41.00	<62.00			<3.09	<3.39	<1.17		
03L809		24-Apr-90	F26			<1.00	3200.00	240.00	70.00			<1.90	1100.00	<1.00	350.00	<0.50	<1.30	<0.72	<1.00	<2.00	<3.20					
03L809		20-Jul-90	F27			<1.00	2200.00	120.00	71.00			<1.90	610.00	<1.00	300.00	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L809		17-Sep-90	F28			<1.00	2200.00	180.00	58.00			<1.90	660.00	<1.00	310.00	5.40	<1.30	4.00	<1.00	<1.00	<3.20					
03L809		21-Mar-91	F30			<100.00	2000.00	170.00	<50.00			<190.00	630.00	<100.00	270.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03L809		19-Mar-92	F34	BGJ 011		<2.41	>50.10	>50.20		54.50	<1.06	<4.10	>50.80	<1.52	>49.90	10.80	<1.20	6.63	<3.94	<4.47	4.56					
03L809		20-Mar-92	F34	BGK 017		<120.00	1800.00	180.00		<45.00	<53.00	<210.00	750.00	<76.00	310.00	<230.00	<60.00	<54.00	<200.00	<220.00	270.00					
03L809		10-Mar-93	F38	IHA 004		<10.00	390.00	<10.00	9.30			<19.00	180.00	<10.00	36.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L809		03-Mar-94	A42	IKR 008	44113	<10.00	280.00	19.00	<5.00		<3.00	<19.00	93.00	<10.00	17.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L809		17-Mar-94	F42	IUO 008	NC	<5.00	180.00	12.00	4.10			<9.50	38.00	6.70	10.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L811		25-Nov-87	F16			<0.88	<1.10	0.55	<0.56			<1.50	16.80	<0.99	4.58	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03L811		04-May-89	F22			<1.00	1.87	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	1.74	<8.28		
03L811		24-Jul-89	F23			<0.88	<1.10	3.74	0.60			<1.50	11.60	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L811		20-Oct-89	F24			<0.88	2.89	2.84	1.39			<1.50	4.75	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L811		26-Apr-90	F26			<1.00	1.27	2.10	<0.50			<1.90	5.40	<1.00	4.88	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L811		20-Mar-91	F30			<1.00	2.09	<1.00	<0.50			<1.90	5.23	<1.00	4.49	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L811		20-Mar-92	F34	BGJ 015		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	1.93	<1.52	6.70	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L811		12-Mar-93	F38	IHC 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	6.79	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L811	(4)	12-Mar-93	F38	IHC 007		<1.00	<0.50	<1.00	<0.50			<1.90	1.62	<1.00	8.11	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L811		18-Mar-94	F42	IUO 011	57070	<1.00	1.13	1.43	0.68			<1.90	0.79	<1.00	7.47	0.66	<1.30	<0.72	<1.00	<1.00	<3.20					
03L813		25-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03L813		05-May-89	F22			<1.00	0.64	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L813		24-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L813		20-Oct-89	F24			<0.88	6.24	0.73	<0.56			<1.50	0.98	<0.99		<0.51		0.27	<0.62			<6.20	<6.80	<2.30		
03L822		01-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	18.00	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03L822		05-May-89	F22			<1.00	1.96	<1.00	<0.50			<1.90	11.20	<1.00		<0.50		<0.72	<1.00			0.68	3.34	<8.28		
03L822		24-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	19.30	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L822		23-Oct-89	F24			<0.88	14.80	1.08	<0.56			<1.50	19.00	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L822		25-Apr-90	F26			<1.00	1.35	<1.00	<0.50			<1.90	21.60	<1.00	4.89	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L822		21-Mar-91	F30			<1.00	7.99	1.88	<0.50			<1.90	20.60	<1.00	8.25	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L822		23-Mar-92	F34	BGV 005		<2.41	<1.04	5.89		<0.89	<1.06	<4.10	40.70	<1.52	15.10	<4.63	<1.20	<1.08	<3.94	<4.47	6.64					
03L822		12-Mar-93	F38	IHC 009		<1.00	<0.50	14.60	2.40			<1.90	40.00	<1.00	19.20	1.09	<1.30	0.77	<1.00	<1.00	<3.20					
03L822		18-Mar-94	F42	IUP 008	57070	<1.00	0.51	29.60	4.38			<1.90	32.70	<1.00	27.70	2.09	<1.30	1.05	<1.00	<1.00	<3.20					
03L832		24-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03L832		16-Dec-88	A20			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
03L832		09-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L832		24-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L832		24-Oct-89	F24			<0.88	1.42	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L832		19-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L832		24-Mar-92	F34	BGV 016		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	6.23					
03L832		16-Mar-93	F38	IHG 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L832		10-Jun-94	A43	ZVI 008	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L832		13-Sep-94	A44	IVV 009	215473	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L833		08-Mar-93	F38		(5)	<1.00	140.00	<1.00	<0.50			<1.90	2.37	<1.00	0.89	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L833		11-May-93	F39	IHT 006		<5.00	160.00	<5.00	<2.50			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L833	(4)	11-May-93	F39	IHT 007		<5.00	160.00	<5.00	<2.50			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L833		04-Mar-94	A42	IKT 020	44113	<5.00	170.00	<5.00	<2.50		<1.50	<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L833		08-Sep-94	A44	IVS 013	NA	<1.00	35.70	<1.00	<0.50		<0.30	<1.90	0.80	<1.00	0.62	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
03L841		20-Oct-87	A16			<0.20	1.00	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L841		12-Nov-87	A16			<0.20	0.50	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L841		19-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03L841		20-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L841		19-Mar-92	F34	BGJ 007		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L841		10-Mar-93	F38	IHA 009		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L841		17-Mar-94	F42	IUO 007	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L846		23-Aug-88	F19			<1.00	2.01	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L846		08-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03L846		03-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L846		18-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L846		19-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L846		18-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L846		18-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L846		25-Mar-92	F34	BGW 012		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	2.84	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L846		15-Mar-93	F38	IHF 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L846		21-Mar-94	F42	IUU 005	59021 (6)	<1.00	0.37	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L848		02-Dec-87	F16			<44.00	570.00	<24.00	<28.00			<75.00	<40.00	<50.00	<36.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00					
03L848		03-May-89	F22			<1.00	270.00	2.64	24.90			<1.90	1.56	<1.00		<0.50		<0.72	<1.00							
03L848		20-Jul-89	F23			<18.00	130.00	<9.80	<11.00			<30.00	<16.00	<20.00		<10.00		<8.20	<12.00			<0.41	<0.87	<8.28		
03L848		19-Oct-89	F24			<0.88	610.00	1.16	21.60			<1.50	1.56	<0.99		<0.51		0.43	<0.62			<62.00	<68.00	<23.00		
03L848		19-Apr-90	F26			<20.00	460.00	<20.00	23.00			<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	63.00	<3.09	<3.39	<1.17		
03L848		19-Jul-90	F27			<1.00	260.00	<1.00	13.00			<1.90	<1.00	<1.00	1.06	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L848		18-Mar-91	F30			<10.00	250.00	<10.00	9.20		<3.00	<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L848		18-Mar-92	F34	BGH 017		<6.00	92.00	<2.50		2.90	<2.70	<10.00	<2.90	<3.80	<2.40	<12.00	<3.00	<2.70	<9.90	<11.00	6.70					
03L848		09-Mar-93	F38	IBY 007		<1.00	52.90	<1.00	1.91			<1.90	0.74	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L848		06-Jun-94	A43	IVD 011	126780	<1.00	27.00	<1.00	1.57		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L848		15-Sep-94	A44	IVX 007	218146	<1.00	27.10	<1.00	1.29		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L853		03-Dec-87	F16			<88.00	2500.00	<49.00	<56.00			<150.00	440.00	<99.00	<72.00	<51.00	<110.00	<41.00	<62.00	<450.00	<180.00					
03L853		05-May-89	F22			3.90	1200.00	56.00	10.80			<1.90	320.00	<1.00		1.96		<0.72	<1.00			<0.41	<0.87	<8.28		
03L853		25-Jul-89	F23			<88.00	1300.00	<49.00	<56.00			<150.00	190.00	<99.00		<51.00		<41.00	<62.00			<310.00	<340.00	<120.00		
03L853		23-Oct-89	F24			<88.00	1900.00	90.00	<56.00			<150.00	280.00	<99.00		<51.00		<41.00	<62.00			<309.00	<339.00	<117.00		
03L853		19-Apr-90	F26			<50.00	1100.00	<50.00	<25.00			<95.00	170.00	<50.00	62.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03L853		20-Jul-90	F27			2.27	1000.00	42.10	5.90			<1.90	180.00	<1.00	24.00	1.18	<1.30	0.92	<1.00	<1.00	<3.20					
03L853		21-Mar-91	F30			<1.00	620.00	<1.00	<0.50			<1.90	130.00	<1.00	<0.78	<0.50	47.00	<0.72	<1.00	<1.00	<3.20					
03L853		20-Mar-92	F34	BGK 007		<2.41		13.30		1.62	<1.06	<4.10		<1.52	8.94	<4.63	<1.20	<1.08	<3.94	<4.47	1.86					
03L853		20-Mar-92	F34	BGU 017			19.70						2.99													
03L853		11-Mar-93	F38	IHB 007		<10.00	420.00	<10.00	<5.00			<19.00	69.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L853		18-Mar-94	F42	IUO 015	57070	<10.00	240.00	10.00	<5.00			<19.00	33.00	<10.00	7.50	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L854		20-Oct-87	A16			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L854		24-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03L854		16-Dec-88	A20			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
03L854		20-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L854		27-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L854		30-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L854		19-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L854		23-Mar-92	F34	BGU 014		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	3.44					
03L854		15-Mar-93	F38	IHE 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L854		21-Mar-94	F42	IUU 012	59021	<1.00	4.88	<1.00	<0.50			<1.90	0.98	<1.00	0.73	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L855		08-Mar-93	M38			<1.00	110.00	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
03L855		13-May-93	M39			<0.20	110.00	<0.50		0.80	<0.20	<1.00	2.60	<0.20	<0.20	0.50	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.40		<0.20	<0.20
03L856		24-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	6.90	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03L856		05-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	1.58	<8.28		
03L856		25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L856		23-Oct-89	F24			<0.88	1.47	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03L856		21-Mar-91	F30			<1.00	1.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L856	(4)	21-Mar-91	F30			<1.00	1.91	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L856		20-Mar-92	F34	BGK 006		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L856	(4)	20-Mar-92	F34	BGK 005		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.88					
03L856		17-Mar-93	F38	IHH 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L856		21-Mar-94	F42	IUS 009	59021	<1.00	0.61	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03L858		24-Nov-87	F16			<2.20	7.90	<1.20	<1.40			<3.80	<2.00	<2.50	<1.80	<1.30	16.00	2.90	<1.60	<11.00	<4.50					
03L858		08-May-89	F22			<1.00	5.26	<1.00	3.10			<1.90	43.50	<1.00		<0.50		11.70	<1.00			<0.41	1.42	<8.28		
03L858		21-Jul-89	F23			<4.40	7.60	<2.40	<2.80			<7.50	46.00	<5.00		<2.60		7.10	<3.10			<15.00	<17.00	<5.80		
03L858		23-Oct-89	F24			<4.40	11.00	<2.40	6.40			<7.50	<4.00	<5.00		<2.60		4.90	<3.10			<15.00	<17.00	<5.80		
03L858		17-Apr-90	F26			<1.00	6.83	<1.00	3.42			<1.90	<1.00	<1.00	<0.78	<0.50	34.20	13.00	<1.00	<1.00	<3.20					
03L858		25-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L858		27-Mar-92	F34	BGY 007		<2.41	8.66	<1.01		1.70	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	43.30	10.40	<3.94	<4.47	<1.41					
03L858	(4)	27-Mar-92	F34	BGY 006		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	22.50					
03L858		23-Mar-93	F38	IHL 010		<1.00	6.67	<1.00	2.03			<1.90	<1.00	<1.00	<0.78	<0.50	30.80	8.54	<1.00	<1.00	<3.20					
03L858		22-Mar-94	F42	IUW 004	62588	<1.00	8.58	<1.00	3.43			<1.90	<1.00	<1.00	<0.78	0.59	30.40	10.60	1.92	<1.00	<3.20					
03L858	(4)	22-Mar-94	F42	IUW 016	62588	<1.00	8.67	<1.00	3.47			<1.90	<1.00	<1.00	<0.78	0.68	29.60	10.60	<1.00	<1.00	<3.20					
03L859		13-Nov-87	A16			0.40	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L859		15-Dec-88	A20			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
03L859		30-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859		19-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859		20-Mar-92	F34	BGK 011		<2.41	2.14	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L859		11-Mar-93	F38	IHB 006		<1.00	3.50	<1.00	0.65			<1.90	1.04	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859		18-Mar-94	F42	IUO 012	57070	<1.00	2.98	<1.00	0.53			<1.90	<1.00	<1.00	0.50	0.28	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859		09-Jun-94	A43	ZVH 006	126780	<1.00	6.27	<1.00	0.95		<0.30	<1.90	0.54	<1.00	0.50	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859		14-Sep-94	A44	IVV 020	218146	<1.00	5.67	<1.00	0.54		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859	(4)	14-Sep-94	A44	IVV 021	218146	<1.00	5.67	<1.00	0.54		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860		13-Nov-87	A16			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L860		15-Dec-88	A20			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
03L860		19-Apr-90	F26			<1.00	1.62	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860		20-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860		24-Mar-92	F34	BGV 013		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	6.73					
03L860		10-Mar-93	F38	IHA 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860		07-Jun-94	A43	ZVF 005	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860		15-Sep-94	A44	IVX 008	218146	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L861		12-Nov-87	A16			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03L861		15-Dec-88	A20			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
03L861		30-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	1.47	<8.28		
03L861		25-Mar-91	F30			<1.00	9.27	<1.00	<0.50			<1.90	2.96	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L861	(4)	25-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03L861		23-Mar-92	F34	BGU 008		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	3.04					
03L861		23-Mar-92	F34	BHA 005																		<3.09	5.63	<1.17		
03L861		12-Mar-93	F38	IHE 017		<1.00	<0.50	<1.00	<0.50			<1.90	0.62	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L861		08-Jun-94	A43	ZVG 004	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L861		14-Sep-94	A44	IVV 014	215473	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M001		16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03M002		17-Nov-87	F16			<180.00	4100.00	200.00	170.00			<300.00	1500.00	<200.00	220.00	<100.00	<220.00	<82.00	<120.00	<900.00	<360.00	<3.09	<3.39	<1.17		
03M003		19-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03M003		11-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03M004		18-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03M004		27-Jul-88	A19			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03M004		09-Aug-88	F19			1.68	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03M005		08-Dec-87	F16			<0.88	8.49	<0.49	<0.56			<1.50	0.98	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03M005		14-Jan-88	A17			<0.20	33.00	<0.20		0.54	<0.20	<0.20	0.42	<0.20	<0.20	<0.20		<0.20								
03M005		06-Apr-88	F18			<1.00	1.27	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03M005		16-May-88	A18			<0.20	7.10	<0.20		<0.20	<0.20	<0.20	1.50	<0.20	<0.20	<0.20		<0.20								
03M005		27-Jul-88	A19			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03M005		11-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03M005		31-Oct-88	A20			<0.50	2.00	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03M005		10-Nov-88	F20			<1.00	0.87	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03M005		11-Oct-89	A24			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03M005		24-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03M005		29-Mar-91	F30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03M005		17-Mar-92	F34	BGH 012		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.32					
03M005		05-Mar-93	F38	IBW 009		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M005		17-Mar-94	F42	IUN 018	NC	<1.00	0.29	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M010		10-Mar-92	F34	BFR 013		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03M010	(4)	10-Mar-92	F34	BFR 012		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03M013		10-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03M017		10-Nov-87	F16			<44.00	1300.00	40.00	<28.00			<75.00	860.00	<50.00	<36.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00	<3.09	<3.39	<1.17		
03M017		11-Jan-88	A17			<0.20	1540.00	71.00		4.60	<0.20	<0.20	1040.00	<0.20	19.00	<0.20		<0.20								
03M017		12-May-88	A18			<0.20	965.00	38.00		3.10	<0.20	<0.20	835.00	<0.20	8.90	<0.20		0.35								
03M017		01-Aug-88	A19			0.24	2380.00	90.00		7.40	<0.20	<0.20	2320.00	<0.20	9.20	<0.20		<0.20								
03M017		31-Oct-88	A20			<0.50	1480.00	66.00		4.40	<0.50	<0.50	1160.00	<0.50	6.00	<1.00		<0.50								
03M017		13-Oct-89	A24			<10.00	1400.00	210.00		<10.00	<10.00	<50.00	990.00	<10.00	<10.00	<10.00		<10.00								
03M017		25-Apr-90	A26			<0.50	380.00	49.00		2.80	<0.50	<0.50	280.00	<0.50	4.60	<0.50	<0.50	<0.50	<0.50		<0.50					
03M017		07-Mar-91	A30			<25.00	400.00	<25.00	<13.00		<7.50	<48.00	280.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03M017		11-Mar-92	A34	GNL 014		<10.00	360.00	39.00		<10.00	<5.00	<19.00	490.00	<10.00	<7.80	<5.00	<13.00	<7.20	<5.00	<10.00	<32.00					
03M017		12-Mar-93	A38	IHD 004		<5.00	210.00	16.00	<2.50		<1.50	<9.50	150.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03M017		03-Mar-94	A42	IKS 009	44113	<5.00	130.00	<5.00	<2.50		<1.50	<9.50	45.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03M020		19-Jan-88	A17			<4.00	5400.00	240.00		84.20	<4.00	<4.00	2780.00	4.20	468.00	10.00		14.00								
03M020		11-May-88	A18			1.20	5900.00	240.00		53.00	0.87	<0.20	3000.00	<0.20	600.00	7.90		<0.20								
03M020		01-Aug-88	A19			1.30	2380.00	333.00		95.00	1.10	1.00	5950.00	2.20	728.00	<0.20		1.90								
03M020		18-Aug-88	F19			<50.00	7700.00	420.00	260.00			<95.00	3700.00	<50.00		<25.00		100.00	<50.00			<21.00	<44.00	<410.00		
03M020		25-Oct-88	A20			1.50	10500.00	430.00		220.00	<0.50	1.70	4500.00	2.00	810.00	33.00		10.00								
03M020		11-Oct-89	A24			<50.00	11000.00	1200.00		93.00	<50.00	<250.00	4900.00	<50.00	840.00	<50.00		<50.00								
03M020		25-Apr-90	A26			<25.00	9000.00	850.00		80.00	<25.00	<25.00	5500.00	<25.00	550.00	<25.00	<25.00	<25.00	<25.00		<25.00					
03M020		14-Mar-91	A30			<500.00	13000.00	<500.00	380.00		<150.00	<950.00	3900.00	<500.00	840.00	<250.00	680.00	<360.00	<500.00	<500.00	<1600.00					
03M020		10-Mar-92	A34	GNL 022		<500.00	14000.00	<500.00		<500.00	<250.00	<950.00	3200.00	<500.00	1200.00	520.00	<650.00	<360.00	<250.00	<500.00	<1600.00					
03M020		16-Mar-93	A38	ZHG 004		<200.00	3900.00	<200.00	120.00		<60.00	<380.00	890.00	<200.00	190.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03M020		04-Mar-94	A42	IKY 004	44113	<50.00	1100.00	<50.00	<25.00		<15.00	<95.00	130.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03M505		09-Nov-87	F16																			<3.09	<3.39	<1.17		
03M505		Well Abandoned																								
03M713		04-Jan-89	A21			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
03M713		18-Mar-91	F30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M713		09-Mar-92	A34	GNK 016		<1.00	1.08	<1.00		<1.00	<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<0.50	<1.00	<3.20					
03M713		08-Mar-93	A38	IBX 013		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M713		07-Mar-94	A42	IKX 005	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M802		03-Dec-87	F16			<440.00	8900.00	<240.00	<280.00			<750.00	<400.00	<500.00	<360.00	<260.00	<550.00	<200.00	<310.00	<2200.00	<900.00					
03M802		14-Mar-91	A30			<20.00	470.00	<20.00	<10.00		<6.00	<38.00	25.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03M802	(4)	14-Mar-91	A30			<20.00	490.00	<20.00	<10.00		<6.00	<38.00	27.00	<20.00	<16.00	<10.00	54.00	<14.00	<20.00	<20.00	<64.00					
03M802		12-Mar-92	A34	GNM 014		<50.00	700.00	<50.00		<50.00	<25.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<25.00	<50.00	<160.00					
03M802		04-Mar-93	A38	ZBV 012		<5.00	470.00	<5.00	9.80		<1.50	<9.50	8.20	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03M802		03-Mar-94	A42	IKS 004	44113	<10.00	260.00	<10.00	<5.00		<3.00	<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03M806		02-Dec-87	F16			<44.00	890.00	27.00	<28.00			<75.00	140.00	<50.00	47.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00					
03M806		23-Apr-90	A26			<0.50	800.00	120.00		7.80	<0.50	<0.50	210.00	<0.50	92.00	<0.50	<0.50	<0.50	<0.50		<0.50					
03M806		11-Mar-91	A30			<20.00	200.00	<20.00	<10.00		<6.00	<38.00	25.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03M806		04-Mar-92	A34	GNH 004		<2.00	120.00	<2.00		<2.00	<1.00	<3.80	5.10	<2.00	5.10	<1.00	<2.60	<1.40	<1.00	<2.00	<6.40					
03M806		04-Mar-93	A38	ZBV 004		<1.00	43.30	1.41	1.47		<0.30	<1.90	<1.00	<1.00	10.30	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M806		02-Mar-94	A42	IKQ 007	NC	<1.00	62.00	1.35	0.87		<0.30	<1.90	5.27	<1.00	3.85	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M843		24-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03M843		05-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	1.13	<8.28		
03M843		25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03M843		23-Oct-89	F24			<0.88	1.45	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03M843		25-Apr-90	F26			<1.00	6.79	<1.00	<0.50			<1.90	2.29	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	10.10	41.00	31.30		
03M843		21-Mar-91	F30			<1.00	1.52	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M843		04-Jun-91	F31			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03M843		04-Jun-91	F31																			<0.41	<0.87	<8.28		
03M843	(4)	04-Jun-91	F31			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03M843		03-Sep-91	F32			<1.00	3.76	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03M843		20-Mar-92	F34	BGK 009		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03M843		20-Mar-92	F34	BHC 005																		<3.09	<3.39	<1.17		
03M843		03-Jun-92	F35	BIY 007		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03M843		03-Jun-92	F35	BIZ 007																		<3.09	<3.39	<1.17		
03M843	(4)	03-Jun-92	F35	BIY 009		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03M843	(4)	03-Jun-92	F35	BIZ 009																		<3.09	<3.39	<1.17		
03M843		03-Sep-92	F36	BMH 007		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03M843		03-Sep-92	F36	BMI 006																		<3.09	<3.39	<1.17		
03M843		11-Mar-93	F38	IHB 012		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M843		18-Mar-94	F42	IUO 013	57070	<1.00	0.81	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
03M848		02-Dec-87	F16			<22.00	440.00	<12.00	110.00			<38.00	<20.00	<25.00	<18.00	<13.00	<28.00	<10.00	<16.00	<110.00	<45.00					
03M848		19-Apr-90	F26			<5.00	190.00	6.00	60.00			<9.50	<5.00	<5.00	9.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03M848		19-Jul-90	F27			<1.00	190.00	<1.00	45.00			<1.90	<1.00	<1.00	7.40	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M848		17-Sep-90	F28			<1.00	330.00	5.80	78.00			<1.90	<1.00	<1.00	13.00	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M848		18-Mar-91	F30			<10.00	310.00	<10.00	81.00			<19.00	<10.00	<10.00	12.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00	<4.10	<8.70	<83.00		
03M848		04-Jun-91	F31																			<10.00	<22.00	<210.00		
03M848		04-Jun-91	F31			<2.50	730.00	7.30	110.00			<4.80	4.40	<2.50	13.00	<1.30	<3.30	<1.80	<2.50	<2.50	<8.00	<1.00	<2.20	<21.00		
03M848		03-Sep-91	F32			<25.00	700.00	<25.00	100.00			<47.50	<25.00	<25.00	<19.50	<12.50	<32.50	<18.00	<25.00	<25.00	<80.00	<10.00	<22.00	<210.00		
03M848		18-Mar-92	F34	BGH 018		<48.00	640.00	<20.00		76.00	<21.00	<82.00	<23.00	<30.00	<19.00	<93.00	<24.00	<22.00	<79.00	<89.00	76.00					
03M848		18-Mar-92	F34	BGI 005																		<3.09	<3.39	<1.17		
03M848		03-Jun-92	F35	BIY 005		<2.41	>50.10	5.82		>50.20	<1.06	<4.10	4.38	<1.52	9.41	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03M848		03-Jun-92	F35	BIZ 005																		<3.09	<3.39	<1.17		
03M848		03-Jun-92	F35	BJA 014			570.00			46.00																
03M848		03-Sep-92	F36	BMH 006		<2.41	>50.10	6.56		>50.20	<1.06	<4.10	5.65	<1.52	10.10	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03M848		03-Sep-92	F36	BMI 005																		<3.09	<3.39	<1.17		
03M848		03-Sep-92	F36	BNA 013						56																
03M848		09-Mar-93	F38	IBY 016		<10.00	1300.00	<10.00	96.00			<19.00	<10.00	<10.00	8.60	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03M848	(4)	09-Mar-93	F38	IBY 017		<1.00	970.00	3.71	87.00			<1.90	3.49	<1.00	8.51	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M848		17-Mar-94	F42	IUP 004	NC	<25.00	910.00	<25.00	98.00			<48.00	<25.00	<25.00	17.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U001		16-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U002		17-Nov-87	F16			<4.40	16.00	<2.40	<2.80			<7.50	45.00	<5.00	<3.60	<2.60	<5.50	<2.00	<3.10	<22.00	<9.00	<3.09	<3.39	<1.17		
03U002		26-May-88	A18			<0.20	46.00	7.50		0.26	<0.20	<0.20	51.00	1.30	0.48	<0.20		<0.20								
03U002		04-Aug-88	A19			<0.20	104.00	7.40		0.55	<0.20	<0.20	36.00	2.90	<0.20	<0.20		<0.20								
03U002		24-Oct-88	A20			<0.50	49.00	2.10		<0.50	<0.50	<0.50	34.00	1.50	<1.00	<1.00		<0.50								
03U003		19-Nov-87	F16			<88.00	1300.00	<49.00	<56.00			<150.00	95.00	<99.00	<72.00	<51.00	<110.00	<41.00	<62.00	<450.00	<180.00	<3.09	<3.39	<1.17		
03U003		22-Jan-88	A17			<0.20	337.00	14.60		11.10	<0.20	<0.20	16.10	<0.20	12.40	0.50		6.00								
03U003		16-May-88	A18			<0.20	640.00	6.70		8.30	<0.20	<0.20	32.00	1.30	17.00	<0.20		<0.20								
03U003		27-Jul-88	A19			<0.20	264.00	5.90		11.00	<0.20	<0.20	18.00	0.74	8.20	8.50		<0.20								
03U003		11-Aug-88	F19			<1.00	540.00	22.90	24.40			<1.90	51.90	<1.00		1.72		2.16	<1.00			<0.41	<0.87	<8.28		
03U003		26-Oct-88	A20			<0.50	3.80	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03U003		19-Apr-89	A22			<0.20	280.00	14.00		28.00	<0.20	<1.00	36.00	3.10	22.00	3.00		1.00								
03U003		12-Jul-89	A23			<0.40	900.00	110.00		84.00	<0.40	<2.00	270.00	7.40	62.00	6.20		4.00								
03U003		18-Jan-90	A25			<10.00	910.00	41.00		48.00	<10.00	<50.00	210.00	<10.00	44.00	<10.00		<10.00								
03U003		23-Apr-90	A26			<0.50	1800.00	110.00		61.00	<0.50	<0.50	380.00	5.90	44.00	<0.50	<0.50	3.70	<0.50		<0.50					
03U003		18-Jul-90	A27			<25.00	1800.00	130.00		120.00	<7.50	<38.00	420.00	<25.00	<5.00	82.00		<12.00								
03U003		08-Mar-91	A30			<100.00	1400.00	<100.00	<50.00		<30.00	<190.00	250.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U003		06-Jun-91	A31			<1.00	30.30	<1.00	0.87		<0.30	<1.90	3.65	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U003		04-Sep-91	A32			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U003		10-Mar-92	A34	GNL 006		<25.00	990.00	<25.00	<12.00		<12.00	<48.00	80.00	<25.00	<20.00	<12.00	<32.00	<18.00	<25.00	<25.00	<80.00					
03U003		03-Jun-92	A35		(5)	<5.00	670	6.4	9.2			<9.50	35	<5.00	4.4	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U003		02-Sep-92	A36	IBG 007		<10.00	430.00	<10.00		<5.00	<3.00	<19.00	39.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U003		22-Mar-93	A38	ZHJ 013		<20.00	450.00	<20.00	<10.00		<6.00	<38.00	27.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U003		29-Jul-93	A40	ZHX 004		<1.00	340.00	1.51	3.02		<0.30	<1.90	11.30	<1.00	1.88	<0.50	<1.30	0.94	<1.00	<1.00	<3.20					
03U003		15-Sep-93	A40	ZKD 007		<5.00	320.00	<5.00	<2.50		<1.50	<9.50	9.80	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U003		02-Mar-94	A42	IKT 008	NC	<5.00	220.00	<5.00	<2.50		<1.50	<9.50	11.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U003		07-Jun-94	A43	IVD 015	122254	<10.00	250.00	<10.00	5.80		<3.00	<19.00	26.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U003		09-Sep-94	A44	ZVT 009	211540	<10.00	200.00	<10.00	<5.00		<3.00	<19.00	9.30	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U004		18-Nov-87	F16			<0.88	<1.10	<0.49	0.93			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U004		13-Jan-88	A17			<0.20	1.00	<0.20		0.92	<0.20	<0.20	<0.20	<0.20	0.45	<0.20		0.24								

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U004		18-May-88	A18			<0.20	16.00	<0.20		2.10	<0.20	<0.20	3.00	<0.20	0.55	<0.20		<0.20								
03U004		27-Jul-88	A19			<0.20	0.66	<0.20		0.46	<0.20	<0.20	0.22	<0.20	0.24	<0.20		<0.20								
03U004		09-Aug-88	F19			<1.00	1.59	<1.00	3.02			<1.90	3.44	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U004		28-Oct-88	A20			<0.50	17.00	<0.50		1.50	<0.50	<0.50	2.10	<0.50	0.63	<1.00		<0.50								
03U004		25-Oct-89	A24			<0.20	5.80	<0.20		0.90	<0.20	<1.00	1.10	<0.20	0.50	<0.20		<0.20								
03U004		02-May-90	A26			<0.50	13.00	<0.50		0.70	<0.50	<0.50	3.70	<0.50	0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U004		16-Apr-91	A30			<1.00	0.71	<1.00	<0.50		<0.30	<1.90	1.08	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U004		19-Mar-92	A34	GNQ 005		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U004		22-Mar-93	A38	ZHJ 008		<1.00	7.75	<1.00	0.67		<0.30	<1.90	3.35	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U004		07-Mar-94	A42	IKX 010	NC	<1.00	1.20	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U005		23-Nov-87	F16			<0.88	<1.10	<0.49	4.21			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U005		14-Jan-88	A17			<0.20	5.00	<0.20		6.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U005		06-Apr-88	F18			<1.00	3.61	<1.00	4.95			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U005		16-May-88	A18			<0.20	8.40	<0.20		3.40	<0.20	<0.20	0.62	<0.20	<0.20	<0.20		<0.20								
03U005		27-Jul-88	A19			<0.20	1.10	<0.20		1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U005		10-Aug-88	F19			<1.00	0.65	<1.00	2.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U005		31-Oct-88	A20			<0.50	2.30	<0.50		6.20	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03U005		10-Nov-88	F20			<1.00	2.11	<1.00	4.80			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U005		11-Oct-89	A24			<0.20	0.30	<0.20		3.40	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03U005		24-Apr-90	F26			<1.00	0.70	<1.00	1.66			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U005		29-Mar-91	F30			<1.00	<0.50	<1.00	5.41		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U005		17-Mar-92	F34	BGH 010		<2.41	<1.04	<1.01		1.82	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U005		09-Mar-93	F38	IBY 015		<1.00	1.13	<1.00	1.36			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U005	(4)	09-Mar-93	F38	IBZ 004		<1.00	<0.50	<1.00	1.36			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U005		17-Mar-94	F42	IUN 017	NC	<1.00	<0.50	<1.00	2.76			<1.90	<1.00	<1.00	<0.78	0.27	<1.30	<0.72	<1.00	<1.00	<3.20					
03U007		09-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U007		07-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U007		23-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U007		28-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U007		10-Mar-92	F34	BFR 015		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U007		14-Mar-94	F42	IUH 005	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U008		09-Nov-87	F16			1.06	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U008		10-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U008		23-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U009		20-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U009		14-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U009		23-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U009		28-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U009		10-Mar-92	F34	BFR 014		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U009		11-Mar-94	F42	IUG 004	NC	<1.00	<0.50	<1.00	<0.50			<1.90	1.45	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U010		09-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U010		10-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U010		10-Mar-92	F34	BFR 010		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U012		09-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U012		11-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U013		10-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U014		04-Dec-87	F16			<880.00	13000.00	<490.00	1500.00			<1500.00	6400.00	<990.00	<720.00	<510.00	<1100.00	<410.00	<620.00	<4500.00	5400.00	<1500.00	<1700.00	<580.00		
03U014		18-Jan-88	A17			<0.20	5250.00	122.00		1538.00	<0.20	<0.20	2938.00	4.80	636.00	15.80		<0.20								
03U014		18-May-88	A18			2.60	11300.00	815.00		1575.00	4.10	0.40	6000.00	3.50	795.00	10.00		<0.20								
03U014		02-Aug-88	A19			<20.00	13500.00	392.00		3330.00	<20.00	<20.00	8850.00	<20.00	1460.00	<20.00		<20.00								
03U014		17-Aug-88	F19			<200.00	12000.00	670.00	3300.00			<380.00	9500.00	<200.00		<100.00		<140.00	<200.00			<0.41	<0.87	<8.28		
03U014		24-Oct-88	A20			7.60	14000.00	6.60		2250.00	<0.50	0.90	6000.00	5.20	1050.00	57.00		28.00								
03U014		20-Apr-89	A22			6.70	14000.00	1200.00		2200.00	6.30	2.10	6100.00	6.60	1200.00	22.00		3.50								
03U014		19-Jul-89	A23			<40.00	12000.00	1800.00		2300.00	<40.00	<200.00	7700.00	<40.00	1200.00	<40.00		<40.00								
03U014		24-Oct-89	A24			<100.00	17000.00	1600.00		2300.00	<100.00	<500.00	10000.00	<100.00	1300.00	<100.00		<100.00								
03U014		16-Jan-90	A25			110.00	11000.00	740.00		1600.00	110.00	<500.00	7800.00	110.00	990.00	150.00		130.00								
03U014		02-May-90	A26			3.20	9500.00	800.00		690.00	2.80	<0.50	7500.00	5.00	430.00	<0.50	<0.50	5.20	<0.50		5.30					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U014		18-Mar-91	A30			<500.00	8000.00	<500.00	350.00		<150.00	<950.00	6200.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U014		17-Mar-92	A34	GNO 014		<200.00	7100.00	<200.00	<100.00		<100.00	<380.00	4900.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U014	(4)	17-Mar-92	A34	*GNO 004*		<200.00	8200.00	<200.00	<100.00		<100.00	<380.00	5100.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U014		22-Mar-93	A38	ZHJ 005		<1.00	19.30	<1.00	<0.50		<0.30	<1.90	8.24	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U014		07-Mar-94	A42	IKX 011	NC	<25.00	480.00	<25.00	<13.00		<7.50	<48.00	130.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U015		17-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U015		05-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U015		09-Aug-88	F19			44.90	20.70	<1.00	48.80			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U015		16-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U015		01-May-90	F26			<2.00	<1.00	<2.00	<1.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U015		26-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U015		16-Mar-92	F34	BGH 006		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	1.81					
03U015		04-Mar-93	F38	IBU 012		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U015		14-Mar-94	F42	IUL 017	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
03U016		27-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U016		25-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U016		25-Mar-91	M30			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
03U016		13-Mar-92	F34	BGA 011		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U016		13-Mar-92	F34	BGB 010																		<3.09	<3.39	<1.17		
03U016		04-Mar-93	F38	IBT 005		<1.00	1.04	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U016		14-Mar-94	F42	IUL 014	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20					
03U017		10-Nov-87	F16			<22.00	600.00	20.00	<14.00			<38.00	480.00	<25.00	<18.00	<13.00	<28.00	<10.00	<16.00	<110.00	<45.00	<3.09	<3.39	<1.17		
03U017		24-Apr-90	A26			<0.50	270.00	43.00		<0.50	<0.50	<0.50	190.00	<0.50	1.70	<0.50	<0.50	<0.50	<0.50		<0.50					
03U017		07-Mar-91	A30			<50.00	400.00	59.00	<25.00		<15.00	<95.00	620.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U017		11-Mar-92	A34	GNL 004		<5.00	120.00	<5.00	<2.50		<2.50	<9.50	77.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U017		12-Mar-93	A38	IHD 005		<1.00	49.00	1.18	<0.50		<0.30	<1.90	11.40	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U017		03-Mar-94	A42	IKS 005	44113	<1.00	26.20	<1.00	<0.50		<0.30	<1.90	5.31	<1.00	<0.78	0.54	<1.30	<0.72	<1.00	<1.00	<3.20					
03U018		04-Dec-87	F16			<440.00	11000.00	<240.00	<280.00			<750.00	3300.00	<500.00	<360.00	<260.00	<550.00	<200.00	<310.00	<2200.00	<900.00	<1500.00	<1700.00	<580.00		
03U018		22-Aug-88	F19			<1.00	3600.00	103.00	26.70			<1.90	2100.00	1.68		<0.50		1.57	<1.00			<0.41	<0.87	<8.28		
03U018		20-Apr-89	A22			0.20	1500.00	97.00		14.00	<0.20	<1.00	410.00	<0.20	22.00	<0.20		1.40								
03U018		12-Jul-89	A23			<1.00	9900.00	750.00		70.00	<1.00	<5.00	3100.00	<1.00	280.00	<1.00		<1.00								
03U018		20-Oct-89	A24			<20.00	4000.00	210.00		<20.00	<20.00	<100.00	1200.00	<20.00	590.00	<20.00		<20.00								
03U018		18-Jan-90	A25			<40.00	6600.00	140.00		52.00	<40.00	<200.00	2200.00	<40.00	190.00	<40.00		<40.00								
03U018		02-May-90	A26			0.80	2500.00	85.00		17.00	<0.50	<0.50	850.00	<0.50	75.00	<0.50	<0.50	2.30	<0.50		<0.50					
03U018		15-Mar-91	A30			<100.00	240.00	<100.00	<50.00		<30.00	<190.00	690.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U018		11-Mar-92	A34	GNM 007		<200.00	4500.00	<200.00	<100.00		<100.00	<380.00	1000.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U018		18-Mar-93	A38	ZHI 008		<500.00	4700.00	<500.00	<250.00		<150.00	<950.00	930.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U018		03-Mar-94	A42	IKR 010	44113	<50.00	910.00	<50.00	<25.00		<15.00	<95.00	280.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U019		23-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U019		25-Jan-88	A17			<0.20	0.95	<0.20		<0.20	<0.20	<0.20	0.73	<0.20	<0.20	<0.20		<0.20								
03U019		17-May-88	A18			<0.20	1.30	<0.20		<0.20	<0.20	<0.20	2.10	<0.20	<0.20	<0.20		<0.20								
03U019		02-Aug-88	A19			<0.20	2.30	<0.20		<0.20	<0.20	<0.20	2.20	<0.20	<0.20	<0.20		<0.20								
03U019		12-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	1.29	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U019		27-Oct-88	A20			<0.50	2.60	<0.50		<0.50	<0.50	<0.50	2.90	<0.50	<1.00	<1.00		<0.50								
03U019		18-Oct-89	A24			<0.20	0.40	<0.20		<0.20	<0.20	<1.00	1.10	<0.20	<0.20	<0.20		<0.20								
03U019		01-May-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	1.28	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U019		19-Jul-90	F27			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U019		27-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30		<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U019		11-Mar-92	F34	BFS 005		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U019		11-Mar-92	F34	BFT 005																		<3.09	<3.39	<1.17		
03U019		05-Mar-93	F38	IBW 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U019		16-Mar-94	F42	IUN 005	54690	<1.00	0.51	<1.00	<0.50			<1.90	0.80	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
03U019	(4)	16-Mar-94	F42	IUN 015	54690	<1.00	<0.50	<1.00	<0.50			<1.90	0.69	<1.00	<0.78	0.43	<1.30	<0.72	<1.00	<1.00	<3.20					
03U020		07-Dec-87	F16			<440.00	11000.00	250.00	<280.00			<750.00	6000.00	<500.00	<360.00	<260.00	<550.00	<200.00	<310.00	<2200.00	<900.00	<1500.00	<1700.00	<580.00		
03U020		17-Aug-88	F19			<200.00	5200.00	450.00	740.00			<380.00	4100.00	<200.00		<100.00		<140.00	<200.00			<0.41	<0.87	<8.28		
03U020		25-Apr-90	A26			<25.00	1100.00	120.00		45.00	<25.00	<25.00	420.00	<25.00	45.00	<25.00	<25.00	<25.00	<25.00		<25.00					
03U020		*20-Mar-91*	A30			*<50.00*	*1800.00*	*76.00*	*82.00*		*<15.00*	*<95.00*	930.00	<50.00	74.00	<25.00	<65.00	<36.00	<50.00	<50.00	270.00					
03U020		11-Mar-92	A34	GNL 016		<200.00	3000.00	<200.00	170.00		<100.00	<380.00	1200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U020		22-Mar-93	A38	ZHJ 006		<100.00	3100.00	<100.00	120.00		<30.00	<190.00	1000.00	<100.00	93.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U020	(4)	22-Mar-93	A38	ZHJ 012		<100.00	3200.00	<100.00	130.00		<30.00	<190.00	1000.00	<100.00	95.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U020		04-Mar-94	A42	IKV 012	44113	<100.00	3600.00	<100.00	120.00		<30.00	<190.00	1300.00	<100.00	93.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U021		17-May-88	A18			<0.20	7.40	<0.20		<0.20	<0.20	<0.20	2.00	<0.20	0.60	<0.20		<0.20								
03U021		29-Jul-88	A19			<0.20	1.90	<0.20		<0.20	<0.20	<0.20	0.38	<0.20	<0.20	<0.20		<0.20								
03U021		28-Oct-88	A20			<0.50	3.30	<0.50		<0.50	<0.50	<0.50	0.59	<0.50	<1.00	<1.00		<0.50								
03U021		13-Oct-89	A24			<4.00	340.00	120.00		<4.00	<4.00	<20.00	380.00	<4.00	9.00	<4.00		<4.00								
03U021		02-May-90	A26			<0.50	900.00	150.00		6.00	<0.50	<0.50	800.00	1.40	24.00	<0.50	0.60	1.00	<0.50		<0.50					
03U021		14-Mar-91	A30			<1.00	53.10	4.19	2.25		<0.30	<1.90	27.40	<1.00	2.57	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U021		11-Mar-92	A34	GNL 019		<200.00	4700.00	240.00	220.00		<100.00	<380.00	1800.00	<200.00	380.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U021		15-Mar-93	A38	ZHF 012		<1.00	5100.00	43.70	34.30		<0.30	<1.90	2200.00	<1.00	44.50	2.24	<1.30	1.30	<1.00	<1.00	<3.20					
03U021		02-Mar-94	A42	IKT 011	NC	<20.00	600.00	26.00	26.00		<6.00	<38.00	190.00	<20.00	27.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U022		05-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U023		10-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U023		15-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U023		25-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	1.13	<8.28		
03U023		19-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U023		09-Mar-92	F34	BFI 011																		<3.09	<3.39	<1.17		
03U023		09-Mar-92	F34	BFQ 010		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U023		02-Mar-93	F38	IBQ 009		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U023		07-Mar-94	F42	IKW 005	NC (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U024		10-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U025		10-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	1.92	<8.28		
03U026		18-Nov-87	F16			<4.40	36.00	<2.40	<2.80			<7.50	42.00	<5.00	<3.60	<2.60	<5.50	6.50	<3.10	<22.00	<9.00	<3.09	<3.39	<1.17		
03U026		08-Apr-88	F18			<1.00	23.10	2.44	<0.50			<1.90	35.70	<1.00		<0.50		21.40	<1.00			<0.41	<0.87	<8.28		
03U026		22-Aug-88	F19			<1.00	31.10	<1.00	<0.50			<1.90	32.20	<1.00		<0.50		15.30	<1.00			<0.41	<0.87	<8.28		
03U026		16-Nov-88	F20			<1.00	29.40	1.97	<0.50			<1.90	36.00	<1.00		<0.50		35.40	<1.00			<0.41	4.66	<8.28		
03U026		01-May-90	F26			<1.00	27.50	2.54	<0.50			<1.90	40.40	<1.00	<0.78	<0.50	<1.30	42.30	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U026		19-Jul-90	F27			<1.00	25.30	2.10	<0.50			<1.90	25.00	<1.00	<0.78	<0.50	<1.30	55.80	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U026		21-Sep-90	F28			<1.00	34.20	2.06	0.80			<1.90	15.00	<1.00	<0.78	<0.50	<1.30	92.00	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U026		29-Mar-91	F30			<2.00	54.00	<2.00	<1.00		<1.20	<3.80	25.00	<2.00	<1.60	<1.00	<2.60	80.00	<2.00	<2.00	<6.40	<0.82	<1.70	<17.00		
03U026		11-Mar-92	F34	BFS 015		<2.41		<1.01		2.51	<1.06	<4.10	12.80	<1.52	<0.97	<4.63	1.52		<3.94	<4.47	<1.41					
03U026		11-Mar-92	F34	BFT 013																		<3.09	<3.39	<1.17		
03U026		12-Mar-92	F34	BFU 017			18.50											14.80								
03U026		09-Mar-93	F38	IBY 013		<1.00	44.70	<1.00	1.24			<1.90	3.26	<1.00	<0.78	<0.50	<1.30	39.60	<1.00	<1.00	<3.20					
03U026		16-Mar-94	F42	IUL 019	54690	<1.00	30.70	<1.00	1.32			<1.90	(7) 23.4	<1.00	<0.78	0.56	<1.30	24.90	<1.00	<1.00	<3.20					
03U026	(4)	16-Mar-94	F42	IUN 012	54690	<1.00	31.30	<1.00	1.38			<1.90	(7) 2.25	<1.00	<0.78	0.60	<1.30	25.70	<1.00	<1.00	<3.20					
03U027		20-Nov-87	F16			<4.40	46.00	<2.40	<2.80			<7.50	21.00	23.00	<3.60	<2.60	<5.50	<2.00	<3.10	<22.00	<9.00					
03U027		13-Jan-88	A17			<0.20	49.00	5.85		0.28	<0.20	<0.20	<0.20	12.00	<0.20	<0.20		2.50								
03U027		11-May-88	A18			<0.20	41.00	5.40		<0.20	<0.20	<0.20	18.00	8.00	0.67	<0.20		0.95								
03U027		08-Aug-88	A19			<0.20	97.00	4.60		0.35	<0.20	<0.20	28.00	17.00	<0.20	0.27		1.10								
03U027		16-Aug-88	F19			<1.00	40.10	4.91	1.50			<1.90	24.50	16.10		<0.50		1.90	<1.00			<0.41	<0.87	<8.28		
03U027		25-Oct-88	A20			0.70	55.00	2.40		<0.50	<0.50	<0.50	24.00	5.50	1.30	0.59		0.65								
03U027		11-Oct-89	A24			<0.40	43.00	<0.40		1.70	<0.40	<2.00	75.00	22.00	<0.40	<0.40		2.30								
03U027		25-Apr-90	A26			<0.50	65.00	12.00		1.60	<0.50	<0.50	80.00	21.00	<0.50	<0.50	<0.50	1.70	<0.50		<0.50					
03U027		14-Mar-91	A30			<5.00	64.00	11.00	2.80		<1.50	<9.50	10.00	11.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U027		13-Mar-92	A34	GNN 013		<1.00	40.70	5.26	5.12		<0.50	<1.90	38.20	10.30	<0.78	<0.50	<1.30	1.41	<1.00	<1.00	<3.20					
03U027		18-Mar-93	A38	ZHI 004		<5.00	91.00	<5.00	<2.50		<1.50	<9.50	18.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U027	(4)	18-Mar-93	A38	ZHI 005		<5.00	97.00	<5.00	<2.50		<1.50	<9.50	25.00	5.70	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U027		07-Mar-94	A42	IKX 008	NC	<2.00	69.00	3.00	3.50		<0.60	<3.80	13.00	7.20	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U028		03-Dec-87	F16			<44.00	310.00	<24.00	<28.00			<75.00	<40.00	<50.00	<36.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00					
03U028		22-Aug-88	F19			<10.00	540.00	<10.00	44.00			<19.00	76.00	<10.00		<5.00		<7.20	<10.00			<4.10	<8.70	<83.00		
03U028		25-Oct-89	A24			<2.00	280.00	5.40		4.20	<2.00	<10.00	34.00	<2.00	<2.00	<2.00		<2.00								
03U028		07-May-90	A26			<0.50	120.00	1.20		1.30	<0.50	<0.50	7.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U028		12-Mar-91	M30			<20.00	890.00	<50.00		140.00	<10.00	<100.00	99.00	<20.00	<20.00	<20.00	<20.00	<10.00	<20.00	<20.00	<50.00	<20.00	<20.00		<20.00	<20.00
03U028		21-Mar-91	A30			<5.00	9.70	<5.00	<2.50		<1.50	<9.50	11.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U028		20-Mar-92	A34	GNQ 010		<20.00	470.00	<20.00	14.00		<10.00	<38.00	45.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U028		23-Mar-93	A38	ZHL 006		<25.00	720.00	<25.00	17.00		<7.50	<48.00	57.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U028		10-Mar-94	A42	IUC 005	NC	<20.00	490.00	<20.00	52.00		<6.00	<38.00	29.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U029		03-Dec-87	F16			<180.00	1400.00	<100.00	<110.00			<300.00	<160.00	<200.00	<140.00	<100.00	<220.00	<82.00	<120.00	<900.00	<360.00	<620.00	<680.00	<230.00		
03U029		26-Jan-88	A17			<0.20	1030.00	<0.20		143.00	<0.20	<0.20	91.60	<0.20	<0.20	<0.20		8.50								
03U029		17-May-88	A18			0.61	1125.00	0.67		115.00	0.91	<0.20	46.00	<0.20	1.90	<0.20		<0.20								
03U029		08-Aug-88	A19			4.30	5700.00	24.00		395.00	6.50	<0.20	435.00	0.51	9.40	<0.20		1090.00								
03U029		17-Aug-88	F19			<50.00	2100.00	<50.00	390.00			<95.00	180.00	<50.00		<25.00		<36.00	<50.00			<0.41	<0.87	<8.28		
03U029		31-Oct-88	A20			2.20	1720.00	12.00		390.00	2.60	<0.50	200.00	<0.50	4.80	<1.00		<0.50								
03U029		18-Oct-89	A24			0.80	1900.00	33.00		230.00	1.50	<1.00	130.00	<0.20	6.80	<0.20		0.50								
03U029		07-May-90	A26			0.60	1400.00	13.00		110.00	1.00	<0.50	110.00	<0.50	3.10	<0.50	<0.50	0.80	<0.50		<0.50					
03U029		12-Mar-91	A30			<100.00	990.00	<100.00	120.00		<30.00	<190.00	150.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U029		17-Mar-92	A34	GNO 013		<10.00	250.00	<10.00	19.00		<5.00	<19.00	45.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U029		17-Mar-92	M34			<2.00	240.00	<5.00		16.00	<1.00	<10.00	26.00	<2.00	<2.00	<2.00	<2.00	<1.00	<2.00	<2.00	<5.00	<2.00	<2.00		<2.00	<2.00
03U029		23-Mar-93	A38	ZHL 005		<10.00	270.00	<10.00	13.00		<3.00	<19.00	18.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U029		10-Mar-94	A42	IUC 006	NC	<10.00	360.00	<10.00	28.00		<3.00	<19.00	20.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U030		03-Dec-87	F16			<1.80	25.00	<1.00	<1.10			<3.00	<1.60	<2.00	<1.40	<1.00	<2.20	<0.82	<1.20	<9.00	<3.60					
03U030		26-Jan-88	A17			<0.20	6.50	<0.20		0.41	<0.20	<0.20	0.26	<0.20	<0.20	<0.20		<0.20								
03U030		18-May-88	A18			<0.20	17.00	<0.20		<0.20	<0.20	<0.20	0.59	<0.20	<0.20	<0.20		<0.20								
03U030		08-Aug-88	A19			<0.20	7.70	<0.20		<0.20	<0.20	<0.20	0.67	<0.20	<0.20	<0.20		<0.20								
03U030		22-Aug-88	F19			<1.00	11.50	<1.00	<0.50			<1.90	1.64	<1.00		<0.50		<0.72	<1.00			2.47	1.04	<8.28		
03U030		01-Nov-88	A20			<0.50	11.00	<0.50		<0.50	<0.50	<0.50	1.40	<0.50	<1.00	<1.00		<0.50								
03U030		25-Oct-89	A24			<0.20	7.10	<0.20		<0.20	<0.20	<1.00	0.60	<0.20	<0.20	<0.20		<0.20								
03U030		07-May-90	A26			<0.50	2.90	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U030		21-Mar-91	A30			<1.00	16.50	<1.00	1.08		<0.30	<1.90	2.84	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U030		20-Mar-92	A34	GNQ 009		<1.00	24.80	<1.00	2.06		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U030	(4)	20-Mar-92	A34	GNQ 008		<1.00	23.80	<1.00	1.97		<0.50	<1.90	1.30	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U030		23-Mar-93	A38	ZHL 004		<1.00	9.32	<1.00	<0.50		<0.30	<1.90	1.32	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U030		10-Mar-94	A42	IUC 004	NC	<1.00	7.05	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U031		18-Jan-88	A17			<0.20	0.68	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U031		10-May-88	A18			<0.20	6.00	<0.20		<0.20	<0.20	<0.20	1.00	<0.20	<0.20	<0.20		<0.20								
03U031		29-Jul-88	A19			<0.20	0.53	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U031		10-Aug-88	F19			<1.00	0.63	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U031		20-Oct-88	A20			<0.50	<0.50	<0.50		<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03U031		11-Oct-89	A24			<0.20	<0.20	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03U031		24-Apr-90	A26			<0.50	2.60	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U031		18-Mar-91	A30			<1.00	1.20	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U031		19-Mar-92	A34	ZNP 005		<1.00	10.20	<1.00	<0.50		<0.50	<1.90	2.77	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U031		18-Mar-93	A38	ZHI 009		<1.00	13.30	<1.00	<0.50		<0.30	<1.90	1.43	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U031		07-Mar-94	A42	IKZ 005	NC	<1.00	1.79	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U032		20-Nov-87	F16			<8.80	15.00	<4.90	<5.60			<15.00	16.00	<9.90	<7.20	<5.10	<11.00	<4.10	<6.20	<45.00	<18.00	<3.09	<3.39	<1.17		
03U032		08-Apr-88	F18			<1.00	2.99	<1.00	<0.50			<1.90	9.60	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U032		22-Aug-88	F19			<1.00	37.90	<1.00	<0.50			<1.90	25.50	<1.00		<0.50		<0.72	<1.00			<0.41	1.00	<8.28		
03U032		01-May-90	F26			<1.00	19.20	4.19	<0.50			<1.90	69.70	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U032		18-Jul-90	F27			<1.00	8.65	1.98	<0.50			<1.90	23.10	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U032		21-Sep-90	F28			<1.00	7.09	1.68	<0.50			<1.90	20.00	<1.00	0.85	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.63	<0.87	<8.28		
03U032		26-Mar-91	F30			<1.00	4.07	<1.00	<0.50			<1.90	7.92	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.55	<0.87	<8.28		
03U032		04-Jun-91	F31			<1.00	2.96	<1.00	<0.50			<1.90	5.09	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.65	<0.87	<8.28		
03U032		04-Jun-91	F31																			<0.41	<0.87	<8.28		
03U032	(4)	04-Jun-91	F31																			<0.41	<0.87	<8.28		
03U032		04-Sep-91	F32			<1.00	2.28	<1.00	<0.50			<1.90	3.50	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U032	(4)	04-Sep-91	F32			<1.00	2.51	<1.00	<0.50			<1.90	3.36	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U032		13-Mar-92	F34	BGA 010		<2.41	1.51	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U032		13-Mar-92	F34	BGB 007																		<3.09	<3.39	<1.17		
03U032	(4)	13-Mar-92	F34	BGA 008		<2.41	1.51	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U032	(4)	13-Mar-92	F34	BGB 009																		<3.09	<3.39	<1.17		
03U032		02-Jun-92	F35	BIW 010		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U032		02-Jun-92	F35	BIX 015																		<3.09	<3.39	<1.17		
03U032		04-Sep-92	F36	BMH 012		<2.41	2.13	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U032		04-Sep-92	F36	BMI 008																		<3.09	<3.39	<1.17		
03U032		04-Mar-93	F38	IBU 016		<1.00	1.46	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U032		15-Mar-94	F42	IUM 010	53384	<1.00	1.88	<1.00	<0.50			<1.90	1.18	<1.00	0.62	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U075		10-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U075		18-Aug-88	F19			<1.00	1.04	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U075		20-Jul-90	A27			<1.00	<0.50	<0.30		<0.50	<0.30	<1.50	<0.50	<1.00	<0.20	<0.20		<0.50								
03U075		18-Mar-91	A30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U075		19-Mar-92	A34	ZNP 010		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U075		16-Mar-93	A38	ZHG 005		<1.00	0.62	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U075		03-Mar-94	A42	IKR 012	44113	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U075	(4)	03-Mar-94	A42	IKR 013	44113	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U076		10-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U076		18-Aug-88	F19			<1.00	1.03	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U077		19-Jan-88	A17			<0.20	25.00	5.40		0.31	<0.20	<0.20	31.00	<0.20	2.20	<0.20	0.64	1.30								
03U077		09-May-88	A18			0.33	27.00	1.80		<0.20	<0.20	<0.20	22.00	<0.20	0.89	<0.20		0.86								
03U077		03-Aug-88	A19			<0.20	6.90	<0.20		<0.20	<0.20	<0.20	12.00	<0.20	0.86	<0.20		<0.20								
03U077		21-Oct-88	A20			<0.50	9.90	1.20		<0.50	<0.50	<0.50	8.90	<0.50	1.90	<0.10		<0.50								
03U077		16-Oct-89	A24			<20.00	3000.00	360.00		<20.00	<20.00	<100.00	1600.00	<20.00	<20.00	<20.00		<20.00								
03U077		24-Apr-90	A26			24.00	6500.00	490.00		8.60	<0.50	<0.50	2000.00	1.60	28.00	5.40	10.00	<0.50	<0.50		5.30					
03U077		07-Mar-91	A30			<250.00	5900.00	<250.00	<130.00		<75.00	<480.00	1300.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03U077		05-Mar-92	A34	GNH 018		<50.00	1900.00	<50.00	<25.00		<25.00	<95.00	420.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U077		09-Mar-93	A38	ZBZ 007		<10.00	470.00	25.00	<5.00		<3.00	<19.00	340.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U077	(4)	09-Mar-93	A38	ZBZ 008		<10.00	450.00	26.00	<5.00		<3.00	<19.00	340.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U077		08-Mar-94	A42	IKZ 012	46809	<50.00	700.00	<50.00	<25.00		<15.00	<95.00	260.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U078		23-Nov-87	F16			27.00	100.00	<4.90	8.30			<15.00	<8.10	<9.90	<7.20	<5.10	<11.00	<4.10	<6.20	<45.00	<18.00	<3.09	<3.39	<1.17		
03U078		14-Jan-88	A17			47.00	150.00	5.70		30.00	<0.20	<0.20	<0.20	<0.20	4.10	<0.20		4.10								
03U078		13-May-88	A18			33.00	130.00	3.60		11.00	<0.20	<0.20	16.00	<0.20	1.30	<0.20		1.90								
03U078		03-Aug-88	A19			20.00	68.00	0.54		9.30	<0.20	<0.20	11.00	<0.20	0.39	<0.20		<0.20								
03U078		18-Aug-88	F19			22.30	49.80	1.44	12.30			<1.90	8.44	<1.00		<0.50		3.11	<1.00			<0.41	2.54	<8.28		
03U078		16-Oct-89	A24			34.00	170.00	7.40		15.00	<1.00	<5.00	25.00	<1.00	1.90	<1.00		3.70								
03U078		30-Apr-90	A26			24.00	120.00	3.20		4.60	<0.50	<0.50	11.00	<0.50	1.20	<0.50	<0.50	4.00	<0.50		<0.50					
03U078		13-Mar-91	A30			24.00	110.00	<5.00	<2.50		<1.50	<9.50	13.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U078		11-Mar-92	A34	GNM 005		22.00	210.00	<10.00	<5.00		<5.00	<19.00	13.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U078		12-Mar-93	A38	IHD 009		11.00	90.00	4.80	<1.00		<0.60	<3.80	49.00	<2.00	2.50	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U078		08-Mar-94	A42	IKY 009	46809	12.90	84.00	9.52	1.79		<0.30	<1.90	69.50	<1.00	5.08	1.16	<1.30	1.75	<1.00	<1.00	<3.20					
03U079		04-Dec-87	F16			<440.00	7000.00	<240.00	<280.00			<750.00	<400.00	<500.00	<360.00	<260.00	<550.00	<200.00	<310.00	<2200.00	<900.00	<620.00	<680.00	<230.00		
03U079		14-Jan-88	A17			<10.00	10350.00	<10.00		380.00	<10.00	<10.00	41.00	<10.00	24.00	<10.00		<10.00								
03U079		09-May-88	A18			<2.00	2900.00	<2.00		62.00	<2.00	<2.00	11.00	<2.00	6.80	<2.00		<2.00								
03U079		03-Aug-88	A19			0.73	8400.00	8.30		564.00	2.10	<0.20	31.00	1.20	18.00	<0.20		<0.20								
03U079		18-Aug-88	F19			<1.00	11000.00	13.00	290.00			<1.90	28.70	<1.00		<0.50		2.68	<1.00			<0.41	<0.87	<8.28		
03U079		26-Oct-88	A20			<0.50	5800.00	14.00		198.00	<0.50	<0.50	84.00	1.10	17.00	1.10		11.00								
03U079		16-Oct-89	A24			<20.00	2300.00	28.00		<20.00	<20.00	<100.00	86.00	<20.00	<20.00	<20.00		<20.00								
03U079		01-May-90	A26			<0.50	1900.00	39.00		<0.50	<0.50	<0.50	110.00	3.40	18.00	<0.50	1.30	1.50	<0.50		<0.50					
03U079		13-Mar-91	A30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U079		13-Mar-91	A30			<50.00	1100.00	<50.00	32.00		<15.00	<95.00	88.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U079		13-Mar-92	A34	GNM 017		<100.00	1300.00	<100.00	73.00		<50.00	<190.00	230.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U079		15-Mar-93	A38	ZHF 009		<20.00	1500.00	<20.00	39.00		<6.00	<38.00	190.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U079	(4)	15-Mar-93	A38	ZHF 010		<20.00	1100.00	<20.00	35.00		<6.00	<38.00	190.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U079		09-Mar-94	A42	IUB 009	NC	<20.00	710.00	<20.00	22.00		<6.00	<38.00	91.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U082		26-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U082		26-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U082		10-Mar-92	F34	BFR 005		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U082		09-Mar-94	F42	IUI 004	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U083		10-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U083		27-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	1.25	5.26	<8.28		
03U083		26-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U083		13-Mar-92	F34	BGA 015		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U083		13-Mar-92	F34	BGB 012																		<3.09	<3.39	<1.17		
03U083		05-Mar-93	F38	FLV 010																		<0.41	<0.87	<8.28		
03U083		05-Mar-93	F38	IBU 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U083		16-Mar-94	F42	IUN 009	54690 (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U084		23-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U084		18-Jan-88	A17			<0.20	1.40	<0.20		<0.20	<0.20	<0.20	0.51	<0.20	<0.20	<0.20		<0.20								
03U084		11-May-88	A18			<0.20	7.20	<0.20		<0.20	<0.20	<0.20	2.70	<0.20	<0.20	<0.20		<0.20								
03U084		04-Aug-88	A19			<0.20	2.00	<0.20		<0.20	<0.20	<0.20	0.28	<0.20	<0.20	<0.20		<0.20								
03U084		20-Oct-88	A20			<0.50	<0.50	<0.50		<0.50	<1.00	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03U084		11-Oct-89	A24			<0.20	5.70	<0.20		<0.20	<0.20	<1.00	0.90	<0.20	<0.20	<0.20		<0.20								
03U084		26-Apr-90	A26			<0.50	2.40	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U084		13-Mar-91	A30			<1.00	0.91	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U084		06-Mar-92	A34	GNJ 016		<1.00	1.58	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U084		08-Mar-93	A38	ZBY 006		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U084		08-Mar-94	A42	IKZ 008	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U087		20-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U087		26-Jan-88	A17			<0.20	6.00	<0.20		<0.20	<0.20	<0.20	0.81	<0.20	<0.20	<0.20		<0.20								
03U087		11-Apr-88	F18			<1.00	0.90	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U087		18-May-88	A18			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U087		29-Jul-88	A19			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U087		24-Aug-88	F19			<1.00	1.67	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U087		28-Oct-88	A20			<0.50	0.84	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03U087		17-Nov-88	F20			<1.00	1.41	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U087		24-Oct-89	A24			<0.20	5.20	<0.20		<0.20	<0.20	<1.00	0.30	<0.20	<0.20	<0.20		<0.20								
03U087		27-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30		<1.00	<1.00	<3.20					
03U087		12-Mar-92	F34	BFU 011		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.41					
03U087	(4)	12-Mar-92	F34	BFU 010		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.76					
03U087		04-Mar-93	F38	IBU 014		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U087		04-Mar-93	F38	IBU 015		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U087		15-Mar-94	F42	IUM 005	53384	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.33	<1.30	<0.72	<1.00	<1.00	<3.20					
03U088		17-Nov-87	F16																							
03U088		05-Apr-88	F18			1.34	5.86	<1.00	<0.50			<1.90	1.57	<1.00		<0.50		<0.72	<1.00			<3.09	<3.39	<1.17		
03U088		08-Aug-88	F19			4.16	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U088		16-Nov-88	F20			3.87	0.55	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U088		30-Apr-90	F26			2.94	0.67	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U088		26-Mar-91	F30			1.67	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U088		13-Mar-92	F34	BGA 013		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	16.40					
03U089		20-Nov-87	F16			0.91	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U089		05-Apr-88	F18			2.08	1.68	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U089		08-Aug-88	F19			2.00	0.95	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U089		17-Nov-88	F20			1.58	1.20	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U089		30-Apr-90	F26			1.83	1.19	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U089		26-Mar-91	F30			2.12	0.81	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U089		13-Mar-92	F34	BGA 014		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	38.70					
03U089		03-Mar-93	F38	IBS 006		1.83	0.92	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U089		14-Mar-94	F42	IUL 016	NC	1.06	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.55	<1.30	<0.72	<1.00	<1.00	<3.20					
03U090		19-Nov-87	F16			<0.88	6.17	<0.49	9.45			<1.50	1.95	<0.99	<0.72	<0.51	<1.10	2.83	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U090		06-Apr-88	F18			<1.00	1.15	<1.00	8.51			<1.90	2.17	<1.00		<0.50		10.30	<1.00			<0.41	<0.87	<8.28		
03U090		16-Aug-88	F19			<1.00	0.66	<1.00	10.40			<1.90	1.59	<1.00		<0.50		3.33	<1.00			<0.41	<0.87	<8.28		
03U090		18-Nov-88	F20			<1.00	0.75	<1.00	11.20			<1.90	2.08	<1.00		<0.50		4.72	<1.00			<0.41	1.33	<8.28		
03U090		01-May-90	F26			<1.00	0.97	<1.00	3.95			<1.90	9.57	<1.00	<0.78	<0.50	<1.30	4.59	<1.00	<1.00	<3.20	<0.41	2.08	<8.28		
03U090		19-Jul-90	F27			<1.00	0.70	1.26	3.03			<1.90	21.90	<1.00	<0.78	<0.50	<1.30	3.78	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U090	(4)	19-Jul-90	F27			<1.00	<0.50	1.15	2.85			<1.90	23.30	<1.00	<0.78	<0.50	<1.30	3.61	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U090		26-Mar-91	F30			<1.00	2.14	1.59	8.86			<1.90	37.60	<1.00	<0.78	<0.50	<1.30	2.68	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U090		11-Mar-92	F34	BFS 010		<2.41	12.30	<1.01		3.04	<1.06	<4.10		<1.52	<0.97	<4.63	<1.20	1.50	<3.94	<4.47	<1.41					
03U090		11-Mar-92	F34	BFT 008																		<3.09	<3.39	<1.17		
03U090		12-Mar-92	F34	BFU 015									27.40													
03U090		04-Mar-93	F38	IBU 017		<1.00	20.10	1.26	1.80			<1.90	54.30	<1.00	<0.78	<0.50	<1.30	1.43	<1.00	<1.00	<3.20					
03U090		16-Mar-94	F42	IUL 018	54690	<1.00	14.30	4.51	2.63			<1.90	38.10	<1.00	<0.78	0.56	<1.30	1.89	<1.00	<1.00	<3.20					
03U090	(4)	16-Mar-94	F42	IUN 011	54690	<1.00	13.40	4.17	2.59			<1.90	35.90	<1.00	<0.78	0.45	<1.30	1.84	<1.00	<1.00	<3.20					
03U092		23-Nov-87	F16			<0.88	13.80	0.63	<0.56			<1.50	16.50	<0.99	<0.72	<0.51	<1.10	1.13	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U092		08-Apr-88	F18			<1.00	21.50	3.24	<0.50			<1.90	29.60	<1.00		<0.50		3.85	<1.00			<0.41	<0.87	<8.28		
03U092		25-Aug-88	F19			<1.00	8.32	<1.00	<0.50			<1.90	17.70	<1.00		<0.50		6.07	<1.00			<0.41	<0.87	<8.28		
03U092		16-Nov-88	F20			<1.00	12.10	1.21	<0.50			<1.90	24.90	<1.00		<0.50		4.40	<1.00			2.43	31.20	13.30		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U092		01-May-90	F26			<1.00	200.00	25.00	<0.50			<1.90	390.00	<1.00	2.18	<0.50	<1.30	6.42	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U092		29-Mar-91	F30			<1.00	36.10	2.79	<0.50		<0.30	<1.90	30.40	<1.00	1.33	<0.50	<1.30	15.30	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U092		04-Jun-91	F31																			<0.41	<0.87	<8.28		
03U092		04-Jun-91	F31			<1.00	36.20	2.14	<0.50			<1.90	22.50	<1.00	<0.78	<0.50	<1.30	19.40	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U092		04-Sep-91	F32			<1.00	27.20	1.56	<0.50			<1.90	19.80	<1.00	<0.78	<0.50	<1.30	15.20	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U092		17-Mar-92	F34	BGH 009		<2.41	25.80	1.31		<0.89	<1.06	<4.10	18.90	<1.52	<0.97	<4.63	1.52	24.70	<3.94	<4.47	2.20					
03U092		17-Mar-92	F34	BGI 003																		<3.09	<3.39	<1.17		
03U092		02-Jun-92	F35	BIW 008		<2.41	11.00	<1.01		<0.89	<1.06	<4.10	9.44	<1.52	<0.97	<4.63	<1.20	13.90	<3.94	<4.47	<1.41					
03U092		02-Jun-92	F35	BIX 013																		<3.09	<3.39	<1.17		
03U092		02-Sep-92	F36	BMF 008		<2.41	16.40	<1.01		<0.89	<1.06	<4.10	8.61	<1.52	<0.97	<4.63	<1.20	25.10	<3.94	<4.47	<1.41					
03U092		02-Sep-92	F36	BMG 013																		<3.09	<3.39	<1.17		
03U092		10-Mar-93	F38	IBZ 010		<1.00	24.50	1.77	<0.50			<1.90	26.60	<1.00	<0.78	<0.50	<1.30	36.80	<1.00	<1.00	<3.20					
03U092		16-Mar-94	F42	IUN 006	54690	<2.00	58.00	1.40	3.90			<3.80	6.00	<2.00	<1.60	<1.00	<2.60	53.00	<2.00	<2.00	<6.40					
03U093		04-Dec-87	F16			<8800.00	79000.00	<4900.00	<5600.00			<15000.00	9300.00	<9900.00	<7200.00	<5100.00	<11000.00	<4100.00	<6200.00	<45000.00	<18000.00	<15000.00	<17000.00	<5800.00		
03U093		26-Jan-88	A17			<0.20	34200.00	405.00		197.00	44.00	<0.20	7670.00	24.00	38.00	<0.20		<0.20								
03U093		18-May-88	A18			3.40	65400.00	1630.00		420.00	<0.20	<0.20	16250.00	25.00	292.00	41.00		29.00								
03U093		08-Aug-88	A19			17.00	35000.00	600.00		31.00	<0.20	<0.20	7750.00	16.00	180.00	24.00		14.00								
03U093		17-Aug-88	F19			<200.00	30000.00	480.00	630.00			<380.00	8700.00	<200.00		<100.00		<140.00	<200.00			<82.00	17.20	<8.28		
03U093		01-Nov-88	A20			58.00	33000.00	300.00		440.00	3.40	<0.50	8000.00	14.00	60.00	50.00		23.00								
03U093		19-Oct-89	A24			<100.00	43000.00	1800.00		360.00	<100.00	<500.00	13000.00	<100.00	<100.00	<100.00		<100.00								
03U093		02-May-90	A26			15.00	40000.00	740.00		280.00	1.30	<0.50	7800.00	25.00	60.00	<0.50	<0.50	18.00	<0.50		260.00					
03U093		18-Jul-90	A27			<500.00	30000.00	780.00		300.00	<150.00	<750.00	7200.00	<500.00	<100.00	<100.00		<250.00								
03U093	(4)	18-Jul-90	A27			<500.00	30000.00	760.00		280.00	<150.00	<750.00	7100.00	<500.00	<100.00	<100.00		<250.00								
03U093		15-Mar-91	A30			<500.00	8600.00	<500.00	<250.00		<150.00	<950.00	2000.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U093		05-Jun-91	A31			<200.00	4300.00	<200.00	<100.00		<60.00	<380.00	840.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U093		05-Sep-91	A32			<250.00	3800.00	<250.00	<130.00		<75.00	<480.00	1000.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03U093		13-Mar-92	A34	GNN 012		<50.00	2000.00	<50.00	<25.00		<25.00	<95.00	480.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U093		05-Jun-92	A35	GNX 005		<100.00	2000.00	<100.00	<50.00		<30.00	<190.00	440.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U093		09-Sep-92	A36	IBH 011		<25.00	670.00	<25.00		<12.00	<7.50	<48.00	200.00	<25.00	<20.00	<12.00	<32.00	<18.00	<25.00	<25.00	<80.00					
03U093		17-Mar-93	A38	IHN 005		<20.00	340.00	<20.00	<10.00		<6.00	<38.00	100.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U093		18-Mar-93	M38			<0.20	320.00	15.00		3.80	<0.20	<1.00	97.00	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
03U093		15-Sep-93	A40	ZKD 010		<10.00	940.00	24.00	6.50		<3.00	<19.00	280.00	<10.00	17.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U093		09-Mar-94	A42	IUB 008	NC	<1.00	430.00	12.20	2.67		<0.30	<1.90	140.00	<1.00	1.90	0.52	<1.30	<0.72	<1.00	<1.00	<3.20					
03U093		09-Sep-94	A44	ZVU 005	211540	<20.00	520.00	13.00	<10.00		<6.00	<38.00	140.00	<20.00	8.20	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U094		04-Dec-87	F16			<880.00	18000.00	<490.00	2300.00			<1500.00	9100.00	<990.00	830.00	<510.00	<1100.00	<410.00	<620.00	<4500.00	<1800.00	<1500.00	<1700.00	<580.00		
03U094		25-Aug-88	F19			<200.00	6900.00	<200.00	1200.00			<380.00	5600.00	<200.00		<100.00		<140.00	<200.00			<82.00	<170.00	<1700.00		
03U094		20-Mar-91	A30			<250.00	7500.00	270.00	<130.00		<75.00	<480.00	5400.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03U094		20-Mar-92	A34	GNQ 006		<100.00	2600.00	<100.00	<50.00		<50.00	<190.00	1200.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U094		18-Mar-93	A38	ZHI 006		<200.00	3200.00	<200.00	<100.00		<60.00	<380.00	2100.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U094		09-Mar-94	A42	IUB 011	NC	<10.00	1000.00	75.00	5.80		<3.00	<19.00	980.00	<10.00	17.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U096		04-Dec-87	F16			<180.00	1200.00	<100.00	<110.00			<300.00	830.00	<200.00	<140.00	<100.00	<220.00	<82.00	<120.00	<900.00	<360.00	<620.00	<680.00	<230.00		
03U096		25-Aug-88	F19			<50.00	2300.00	110.00	<25.00			<95.00	2500.00	<50.00		<25.00		<36.00	<50.00			<21.00	<44.00	<410.00		
03U096		19-Jul-90	A27			<10.00	630.00	90.00		<5.00	<3.00	<15.00	650.00	<10.00	2.40	<2.00		<5.00								
03U096		18-Mar-91	A30			<20.00	690.00	24.00	<10.00		<6.00	<38.00	600.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U096		13-Mar-92	A34	GNN 015		<5.00	120.00	12.00	<2.50		<2.50	<9.50	130.00	<5.00	7.40	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U096		17-Mar-93	A38	IHN 013		<1.00	480.00	38.90	0.65		<0.30	<1.90	350.00	<1.00	11.00	<0.50	<1.30	<0.72	<1.00	6.18	<3.20					
03U096		09-Mar-94	A42	IUB 007	NC	<50.00	750.00	65.00	<25.00		<15.00	<95.00	390.00	<50.00	46.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U097		20-Nov-87	F16			<0.88	8.85	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U097		07-Apr-88	F18			<1.00	0.73	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U097		11-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U097		17-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U097		27-Apr-90	F26			<1.00	1.81	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U097		26-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U097		26-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U097		13-Mar-92	F34	BGA 005		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U097		13-Mar-92	M34			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
03U097		03-Mar-93	F38	IBS 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U097		14-Mar-94	F42	IUH 009	NC	<1.00	0.39	<1.00	<0.50			<1.90	0.71	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U099		19-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U099		11-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U099		27-Jul-88	A19			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U099		12-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U099		17-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U099		26-Apr-90	F26			<1.00	1.14	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.63	2.67	<8.28		
03U099		25-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U099		11-Mar-92	F34	BFS 011		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	1.82	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U099		11-Mar-92	F34	BFT 009																		<3.09	<3.39	<1.17		
03U099		03-Mar-93	F38	IBR 015		<1.00	1.92	<1.00	<0.50			<1.90	4.74	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U099	(4)	03-Mar-93	F38	IBR 016		<1.00	1.65	<1.00	<0.50			<1.90	4.09	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U099		14-Mar-94	F42	IUH 007	NC	<1.00	1.46	<1.00	<0.50			<1.90	1.99	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U111		20-Nov-87	F16			<0.88	3.98	<0.49	<0.56			<1.50	0.85	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U111		07-Apr-88	F18			<1.00	1.41	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U111		11-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U111		17-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U112		20-Nov-87	F16			<2.20	35.00	<1.20	<1.40			<3.80	11.00	<2.50	<1.80	<1.30	<2.80	8.60	<1.60	<11.00	<4.50	<3.09	<3.39	<1.17		
03U112		08-Apr-88	F18			<1.00	29.10	1.60	<0.50			<1.90	25.20	<1.00		<0.50		19.60	<1.00			<0.41	<0.87	<8.28		
03U112		16-Aug-88	F19			<1.00	43.60	2.16	<0.50			<1.90	25.20	<1.00		<0.50		27.90	<1.00			<0.41	<0.87	<8.28		
03U112		18-Nov-88	F20			<1.00	27.70	<1.00	<0.50			<1.90	21.00	<1.00		<0.50		17.70	<1.00			<0.41	3.69	<8.28		
03U112		01-May-90	F26			<1.00	40.70	<1.00	<0.50			<1.90	12.60	<1.00	<0.78	<0.50	<1.30	40.30	<1.00	<1.00	<3.20	0.88	3.90	<8.28		
03U112		18-Jul-90	F27			<1.00	43.00	<1.00	<0.50			<1.90	8.28	<1.00	<0.78	<0.50	<1.30	39.20	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U112		20-Sep-90	F28			<1.00	39.80	<1.00	0.64			<1.90	6.49	<1.00	<0.78	<0.50	<1.30	41.30	<1.00	<1.00	<3.20					
03U112		28-Mar-91	F30			<1.00	46.20	<1.00	<0.50			<1.90	3.85	<1.00	<0.78	<0.50	<1.30	42.80	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U112		12-Mar-92	F34	BFU 012		<2.41	37.60	<1.01		<0.89	<1.06	<4.10	2.74	<1.52	<0.97	<4.63	<1.20	34.90	<3.94	<4.47	2.38					
03U112		12-Mar-92	F34	BFV 010																		<3.09	<3.39	<1.17		
03U112		08-Mar-93	F38	IBW 014		<1.00	25.40	<1.00	<0.50			<1.90	1.73	<1.00	<0.78	<0.50	<1.30	41.30	<1.00	<1.00	<3.20					
03U112		12-Sep-94	F44	IVU 013	NC	<1.00	43.70	<1.00	0.82			<1.90	2.97	<1.00	<0.78	0.52	<1.30	32.80	<1.00	<1.00	<3.20					
03U113		18-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U113		06-Apr-88	F18			<1.00	0.68	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U113		09-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U113		18-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	4.06	<8.28		
03U113		27-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	2.15	10.20	<8.28		
03U113		18-Jul-90	F27			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U113		28-Mar-91	F30			<1.00	0.82	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U113		12-Mar-92	F34	BFU 014		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.29					
03U113		12-Mar-92	F34	BFV 012																		<3.09	<3.39	<1.17		
03U113		03-Mar-93	F38	IBR 017		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U113		15-Mar-94	F42	IUM 004	53384	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U114		23-Nov-87	F16			<44.00	150.00	29.00	<28.00			<75.00	860.00	<50.00	<36.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00	<3.09	<3.39	<1.17		
03U114		11-Apr-88	F18			<1.00	110.00	66.00	<0.50			<1.90	680.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U114		09-Aug-88	F19			<10.00	240.00	120.00	<5.00			<19.00	1100.00	<10.00		<5.00		<7.20	<10.00			<0.41	<0.87	<8.28		
03U114		16-Nov-88	F20			<20.00	260.00	95.00	<10.00			<38.00	1200.00	<20.00		<10.00		<14.00	<20.00			<8.20	20.00	<170.00		
03U114		01-May-90	F26			<50.00	350.00	100.00	<25.00			<95.00	1400.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00	<21.00	<44.00	<410.00		
03U114		18-Jul-90	F27			<1.00	210.00	81.00	<0.50			<1.90	980.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U114		21-Sep-90	F28			<1.00	230.00	<1.00	<0.50			<1.90	1100.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U114		29-Mar-91	F30			<5.00	70.00	23.00	<2.50		<7.50	<9.50	300.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00	<2.10	<4.40	<41.00		
03U114		04-Jun-91	F31			<1.00	53.00	24.10	<0.50			<1.90	290.00	<1.00	<0.78	<0.50	2.34	1.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U114		04-Jun-91	F31																			<0.41	<0.87	<8.28		
03U114		04-Sep-91	F32			<1.00	55.00	13.60	<0.50			<1.90	165.00	<1.00	<0.78	<0.50	2.42	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U114		11-Mar-92	F34	BFS 008		<2.41	30.60	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	3.49	1.56	<3.94	<4.47	<1.41					
03U114		11-Mar-92	F34	BFT 006																		<3.09	<3.39	<1.17		
03U114		12-Mar-92	F34	BFU 016									38.60													
03U114		02-Jun-92	F35	BIW 009		<2.41	40.00	6.27		<0.89	<1.06	<4.10	>50.80	<1.52	<0.97	<4.63	2.99	13.90	<3.94	<4.47	<1.41					
03U114		02-Jun-92	F35	BIX 014																		<3.09	<3.39	<1.17		
03U114		02-Jun-92	F35	BIY 011									93.00													
03U114		02-Sep-92	F36	BMF 010		<2.41	29.30	2.76		<0.89	<1.06	<4.10	>50.80	<1.52	<0.97	<4.63	3.16	1.57	<3.94	<4.47	<1.41					
03U114		02-Sep-92	F36	BMG 015																		<3.09	<3.39	<1.17		
03U114		02-Sep-92	F36	BNA 015									56													
03U114		02-Sep-92	F36	BNA 016									58													
03U114	(4)	02-Sep-92	F36	BMF 011		<2.41	30.40	3.62		<0.89	<1.06		>50.80	<1.52	<0.97	<4.63	3.25	1.73	<3.94		<1.41					
03U114	(4)	02-Sep-92	F36	BMG 016																		<3.09	<3.39	<1.17		
03U114		05-Mar-93	F38	IBV 007		<1.00	20.60	1.68	<0.50			<1.90	47.30	<1.00	<0.78	<0.50	<1.30	1.96	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U114		16-Mar-94	F42	IUL 020	54690	<1.00	15.70	6.15	<0.50			<1.90	39.50	<1.00	<0.78	0.49	0.64	4.26	<1.00	<1.00	<3.20					
03U114	(4)	16-Mar-94	F42	IUN 013	54690	<1.00	14.80	5.99	<0.50			<1.90	36.60	<1.00	<0.78	0.47	0.61	4.16	<1.00	<1.00	<3.20					
03U121		08-Dec-87	F16			<0.88	5.51	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U121		08-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U121		16-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U121		18-Nov-88	F20			<1.00	12.20	1.63	<0.50			<1.90	61.60	<1.00		<0.50		<0.72	<1.00			<0.41	1.88	<8.28		
03U121		01-May-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	1.32	4.83	<8.28		
03U121		18-Jul-90	F27			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00		<3.20	<0.41	<0.87	<8.28		
03U121		17-Sep-90	F28			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U121		28-Mar-91	F30			<1.00	0.62	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U121		12-Mar-92	F34	BFU 013		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.11					
03U121		12-Mar-92	F34	BFV 011																		<3.09	<3.39	<1.17		
03U121		08-Mar-93	F38	IBW 015		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U121		12-Sep-94	F44	IVU 014	NC	<2.00	160.00	5.00	1.20			<3.80	29.00	<2.00	7.00	0.51	<2.60	<1.40	<2.00	<2.00	<6.40					
03U124		08-Apr-88	F18			<1.00	13.60	3.28	<0.50			<1.90	57.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U124		18-Aug-88	F19			<1.00	31.40	4.28	<0.50			<1.90	130.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U124		27-Apr-90	F26			<1.00	0.56	<1.00	<0.50			<1.90	11.40	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U124		19-Jul-90	F27			<1.00	0.84	<1.00	<0.50			<1.90	7.21	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U124	(4)	19-Jul-90	F27			<1.00	0.70	<1.00	<0.50			<1.90	10.50	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U124		25-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	4.54	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U124		25-Mar-91	M30			<0.20	0.30	<0.50		<0.20	<0.10	<1.00	3.40	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
03U124		04-Jun-91	F31			<1.00	1.29	<1.00	<0.50			<1.90	8.38	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U124		13-Mar-92	F34	BGA 006		<2.41	1.64	<1.01		<0.89	<1.06	<4.10	4.98	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U124		13-Mar-92	F34	BGB 005																		<3.09	<3.39	<1.17		
03U124		03-Jun-92	F35	BIY 004		<2.41	3.47	<1.01		<0.89	<1.06	<4.10	10.50	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U124		03-Jun-92	F35	BIZ 004																		<3.09	<3.39	<1.17		
03U124		02-Sep-92	F36	BMF 012		<2.41	4.03	<1.01		<0.89	<1.06	<4.10	8.71	<1.52	<0.97	<4.63	3.25	<1.08	<3.94	<4.47	<1.41					
03U124		02-Sep-92	F36	BMG 017																		<3.09	<3.39	<1.17		
03U124		04-Mar-93	F38	IBU 011		<1.00	2.02	<1.00	<0.50			<1.90	5.24	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U124		14-Mar-94	F42	IUL 015	NC	<1.00	10.40	1.79	<0.50			<1.90	17.70	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
03U129		08-Dec-87	F16			<0.88	2.49	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U129		07-Apr-88	F18			<1.00	1.44	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U129		11-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U129		18-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U301		16-Mar-89	A21			<1.00	2755.00	11.00		225.00	4.70	<1.00	88.00	<1.00	7.60	<1.00		<5.00								
03U301		20-Apr-89	A22			0.60	1100.00	18.00		160.00	1.10	<1.00	25.00	0.30	4.00	<0.20		0.40								
03U301		19-Jul-89	A23			<5.00	1100.00	18.00		160.00	<5.00	<25.00	61.00	<5.00	<5.00	<5.00		<5.00								
03U301		24-Oct-89	A24			<40.00	3000.00	<40.00		200.00	<40.00	<200.00	120.00	<40.00	<40.00	<40.00		<40.00								
03U301		18-Jan-90	A25			<10.00	1700.00	<10.00		160.00	<10.00	<50.00	99.00	<10.00	<10.00	<10.00		<10.00								
03U301		08-May-90	A26			<0.50	57.00	<0.50		4.60	<0.50	<0.50	2.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		0.90					
03U301		13-Jul-90	A27			<20.00	1200.00	8.20		99.00	<6.00	<30.00	62.00	<20.00	<4.00	<4.00	<6.00	<10.00	<4.00		<20.00					
03U301		19-Dec-90	A29			<1.00	1276.82	<1.00	85.51			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U301		19-Dec-90	M29			<20.00	1200.00	<50.00		100.00	<10.00	<100.00	50.00	<20.00	<20.00	<20.00	<20.00	<10.00	<20.00	<20.00	<50.00	<20.00	<20.00		<20.00	<20.00
03U301		19-Mar-91	A30			<50.00	1100.00	<50.00	82.00		<15.00	<95.00	72.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U301		04-Jun-91	A31			<5.00	1000.00	<5.00	93.00		<1.50	<9.50	57.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U301		04-Jun-91	M31			<4.00	1000.00	<10.00		14.00	<2.00	<20.00	54.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<10.00	<4.00	<4.00		<4.00	<4.00
03U301		05-Sep-91	A32			<50.00	1200.00	<50.00	71.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U301		05-Sep-91	A32			<1.00	9.14	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U301		04-Dec-91	A33	GNA 009		<20.00	1200.00	<20.00	85.00		<6.00	<38.00	76.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U301		06-Mar-92	A34	GNK 008		<50.00	1200.00	<50.00	71.00		<25.00	<95.00	72.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U301		06-Mar-92	A34	GNK 009														<36.00			<160.00					
03U301		05-Jun-92	A35	GNX 009		<50.00	1200.00	<50.00	71.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U301		01-Sep-92	A36	IBE 012		<100.00	1400.00	<100.00		69.00	<30.00	<190.00	190.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	130.00	<320.00					
03U301		03-Mar-93	A38	ZBS 009		<100.00	1500.00	<100.00	88.00		<30.00	<190.00	<100.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U301	(4)	03-Mar-93	A38	ZBS 010		<20.00	1600.00	<20.00	89.00		<6.00	<38.00	64.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U301		15-Sep-93	A40	ZKD 011		<50.00	1400.00	<50.00	76.00		<15.00	<95.00	72.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U301		03-Mar-94	A42	IKU 008	44113	<50.00	1800.00	<50.00	60.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U301	(4)	03-Mar-94	A42	IKU 009	44113	<50.00	1800.00	<50.00	49.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U301		07-Sep-94	A44	IVR 004	NA	<50.00	1800.00	<50.00	100.00		<15.00	<95.00	51.00	<50.00	<39.00	<25.00	<65.00	24.00	<50.00	<50.00	<160.00					
03U314		05-Jan-89	A21			<1.00	37000.00	850.00		4700.00	12.00	16.00	10500.00	19.00	3600.00	59.00		10.00								

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U314		16-Mar-89	A21			12.00	12000.00	370.00		1000.00	<100.00	<10.00	6200.00	11.00	950.00	<10.00		<10.00								
03U314		20-Apr-89	A22			3.00	11000.00	630.00		610.00	2.40	3.50	3400.00	8.30	530.00	19.00		1.70								
03U314		19-Jul-89	A23			<40.00	8900.00	870.00		730.00	<40.00	<200.00	3500.00	<40.00	510.00	<40.00		<40.00								
03U314		24-Oct-89	A24			<100.00	8600.00	<100.00		<100.00	<100.00	<500.00	3500.00	<100.00	<100.00	<100.00		<100.00								
03U314		19-Jan-90	A25			<50.00	6500.00	190.00		540.00	<50.00	<250.00	2700.00	<50.00	410.00	<50.00		<50.00								
03U314		08-May-90	A26			1.60	6500.00	350.00		340.00	1.40	<0.50	2200.00	4.80	300.00	8.40	<0.50	3.30	<0.50		3.60					
03U314		19-Jul-90	A27			<100.00	6300.00	300.00		460.00	<30.00	<150.00	2500.00	<100.00	360.00	<20.00		<50.00								
03U314		19-Dec-90	A29			<1.00		<1.00	311.55		<1.00	<1.90	2080.33	<1.00	267.65	<0.50	<1.30	<0.72	<1.00	6180.26	<3.20					
03U314		19-Dec-90	M29			<20.00	5800.00	160.00		350.00	<10.00	<100.00	2300.00	<20.00	290.00	<20.00	<20.00	<10.00	<20.00	<20.00	<50.00	<20.00	<20.00		<20.00	<20.00
03U314		19-Mar-91	A30			<200.00	5800.00	<200.00	200.00		<60.00	<380.00	2300.00	<200.00	190.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U314		19-Mar-91	A30			<200.00	5800.00	<200.00	210.00		<60.00	<380.00	2300.00	<200.00	190.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U314		05-Jun-91	A31			<200.00	6000.00	<200.00	200.00		<60.00	<380.00	2300.00	<200.00	190.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U314		05-Sep-91	A32			<250.00	5400.00	<250.00	170.00		<75.00	<480.00	1900.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03U314		04-Dec-91	A33	GNA 010		<100.00	7100.00	130.00	170.00		<30.00	<190.00	2300.00	<100.00	180.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U314	(4)	04-Dec-91	A33	GNA 011		<100.00	7300.00	140.00	200.00		<30.00	<190.00	2600.00	<100.00	200.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U314		06-Mar-92	A34	GNK 005		<200.00	4700.00	<200.00	<100.00		<100.00	<380.00	1700.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U314		05-Jun-92	A35	GNX 008		<200.00	4300.00	<200.00	<100.00		<60.00	<380.00	1400.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U314		01-Sep-92	A36	IBE 011		<200.00	4900.00	<200.00		<100.00	<60.00	<380.00	2000.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U314		03-Mar-93	A38	ZBT 004		<50.00	2600.00	86.00	54.00		<15.00	<95.00	1200.00	<50.00	95.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U314		*15-Sep-93*	*A40*	*IKE 012*		*<50.00*	*1600.00*	*<50.00*	*<25.00*		*<15.00*	*<95.00*	*670.00*	*<50.00*	*<39.00*	*<25.00*	*<65.00*	*<36.00*	*<50.00*	*<50.00*	*<160.00*					
03U314	(4)	15-Sep-93	A40	IKE 013		<50.00	1500.00	<50.00	<25.00		<15.00	<95.00	670.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U314		03-Mar-94	A42	IKU 015	44113	<50.00	1300.00	<50.00	<25.00		<15.00	<95.00	570.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U314		07-Sep-94	A44	ZVQ 010	NA	<1.00	1100.00	70.00	13.90		<0.30	<1.90	450.00	<1.00	36.00	1.86	1.15	0.51	<1.00	<1.00	<3.20					
03U315		05-Jan-89	A21			<1.00	58.00	5.60		<1.00	<1.00	<1.00	65.00	<1.00	5.60	<1.00		<1.00								
03U315		16-Mar-89	A21			<10.00	870.00	58.00		<10.00	<10.00	<10.00	610.00	<10.00	44.00	32.00		11.00								
03U315		20-Apr-89	A22			<0.20	1300.00	100.00		<0.20	<0.20	<1.00	490.00	<0.20	45.00	<0.20		0.90								
03U315		19-Jul-89	A23			<4.00	940.00	150.00		15.00	<4.00	<20.00	620.00	<4.00	51.00	<4.00		<4.00								
03U315		24-Oct-89	A24			<10.00	1700.00	160.00		<10.00	<10.00	<50.00	890.00	<10.00	58.00	<10.00		<10.00								
03U315		19-Jan-90	A25			<20.00	2100.00	75.00		37.00	<20.00	<100.00	1000.00	<20.00	95.00	<20.00		<20.00								
03U315		08-May-90	A26			<0.50	2100.00	65.00		30.00	<0.50	<0.50	850.00	<0.50	64.00	<0.50	<0.50	0.80	<0.50		1.30					
03U315		13-Jul-90	A27			<20.00	2100.00	130.00		39.00	<6.00	<30.00	1100.00	<20.00	94.00	<4.00	<6.00	<10.00	<4.00		29.00					
03U315		19-Dec-90	A29			<1.00	1298.28	<1.00	<0.50			<1.90	487.13	<1.00	51.26	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U315		19-Mar-91	A30			<25.00	940.00	30.00	<13.00		<7.50	<48.00	390.00	<25.00	29.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U315		05-Jun-91	A31			<25.00	830.00	43.00	<13.00		<7.50	<48.00	330.00	<25.00	24.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U315		05-Sep-91	A32			<25.00	700.00	<25.00	<13.00		<7.50	<48.00	250.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U315		04-Dec-91	A33	GNA 012		<10.00	440.00	15.00	<5.00		<3.00	<19.00	220.00	<10.00	13.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U315		06-Mar-92	A34	GNK 019		<10.00	330.00	<10.00	<5.00		<5.00	<19.00	130.00	<10.00	10.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U315		05-Jun-92	A35	GNX 007		<10.00	310.00	13.00	<5.00		<3.00	<19.00	110.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U315		01-Sep-92	A36	IBE 009		<10.00	250.00	11.00		<5.00	<3.00	<19.00	120.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U315	(4)	01-Sep-92	A36	IBE 010		<10.00	210.00	<10.00		<5.00	<3.00	<19.00	110.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U315		03-Mar-93	A38	ZBS 013		<2.00	150.00	5.20	<1.00		<0.60	<3.80	56.00	<2.00	3.80	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U315		15-Sep-93	A40	IKE 014		<2.00	88.00	3.50	<1.00		<0.60	<3.80	35.00	<2.00	1.90	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U315		03-Mar-94	A42	IKU 010	44113	<3.00	110.00	<3.00	<2.50		<1.50	<9.50	45.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U315		*07-Sep-94*	*A44*	*ZVQ 009*	*NA*	*<1.00*	*69.00*	*3.20*	*<0.50*		*<0.30*	*<1.90*	*33.20*	*<1.00*	*1.61*	*0.78*	*<1.30*	*<0.72*	*<1.00*	*<1.00*	*<3.20*					
03U316		05-Jan-89	A21			<1.00	<1.00	1.60		<1.00	<1.00	<1.00	14.00	<1.00	3.50	<1.00		1.30								
03U316		16-Mar-89	A21			<1.00	2.90	3.20		<1.00	<1.00	<1.00	31.00	<1.00	1.70	<1.00		<1.00								
03U316		20-Apr-89	A22			<0.20	4.90	4.90		<0.20	<0.20	<1.00	28.00	<0.20	2.50	<0.20		1.70								
03U316		19-Jul-89	A23			<0.20	4.20	9.20		<0.20	<0.20	<1.00	29.00	<0.20	2.10	<0.20		2.00								
03U316		24-Oct-89	A24			<0.40	5.50	8.70		<0.40	<0.40	<2.00	35.00	<0.40	3.00	<0.40		0.90								
03U316		19-Jan-90	A25			<0.20	10.00	6.10		<0.20	<0.20	<1.00	29.00	<0.20	5.00	<0.20		2.80								
03U316		08-May-90	A26			<0.50	12.00	4.20		<0.50	<0.50	<0.50	32.00	<0.50	2.70	<0.50	<0.50	2.60	<0.50		<0.50					
03U316		13-Jul-90	A27			<1.00	14.00	7.40		<0.50	<0.30	<1.50	38.00	<1.00	4.40	<0.20	0.90	4.20	<0.20		1.00					
03U316		19-Dec-90	A29			<1.00	14.91	3.27	<0.50			<1.90	30.18	<1.00	3.02	<0.50	<1.30	3.46	<1.00	<1.00	<3.20					
03U316		19-Mar-91	A30			<1.00	14.30	3.55	<0.50		<0.30	<1.90	25.80	<1.00	2.48	<0.50	<1.30	32.30	<1.00	<1.00	<3.20					
03U316		04-Jun-91	A31			<1.00	18.10	3.51	<0.50		<0.30	<1.90	29.50	<1.00	2.63	<0.50	<1.30	3.96	<1.00	<1.00	<3.20					
03U316		04-Jun-91	M31			<0.20	13.00	1.30		<0.20	<0.10	<1.00	28.00	<0.20	0.20	<0.20	0.40	0.40	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
03U316		05-Sep-91	A32			<1.00	16.60	2.46	<0.50		<0.30	<1.90	23.40	<1.00	2.26	<0.50	<1.30	3.23	<1.00	<1.00	<3.20					
03U316		04-Dec-91	A33	GNA 018		<1.00	16.70	2.13	<0.50		<0.30	<1.90	22.10	<1.00	1.92	<0.50	<1.30	3.27	<1.00	<1.00	<3.20					
03U316		06-Mar-92	A34	GNK 006		<1.00	17.60	2.17	<0.50		<0.50	<1.90	20.90	<1.00	2.63	<0.50	<1.30	2.97	<1.00	<1.00	<3.20					
03U316		05-Jun-92	A35	GNW 017		<1.00	17.70	2.76	<0.50		<0.30	<1.90	20.20	<1.00	2.66	<0.50	<1.30	3.53	<1.00	<1.00	<3.20					
03U316	(4)	05-Jun-92	A35	GNW 018		<1.00	18.10	2.85	<0.50		<0.30	<1.90	20.80	<1.00	2.78	<0.50	<1.30	3.61	<1.00	<1.00	<3.20					
03U316		01-Sep-92	A36	IBE 008		<1.00	20.80	3.97		<0.50	<0.30	<1.90	22.90	<1.00	3.12	<0.50	<1.30	4.47	<1.00	<1.00	<3.20					
03U316		03-Mar-93	A38	ZBS 012		<1.00	17.80	2.27	<0.50		<0.30	<1.90	16.60	<1.00	2.99	<0.50	<1.30	3.84	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U316		15-Sep-93	A40	IKE 017		<1.00	22.70	1.66	<0.50		<0.30	<1.90	14.00	<1.00	2.31	<0.50	<1.30	3.77	<1.00	<1.00	<3.20					
03U316		03-Mar-94	A42	IKU 011	44113	<1.00	21.20	1.26	<0.50		<0.30	<1.90	14.10	<1.00	1.29	<0.50	<1.30	3.02	<1.00	<1.00	<3.20					
03U316		07-Sep-94	A44	IVR 007	NA	<1.00	24.20	2.16	0.34		<0.30	<1.90	10.20	<1.00	2.00	0.99	<1.30	3.12	<1.00	<1.00	<3.20					
03U316	(4)	07-Sep-94	A44	IVR 008	NA	<1.00	23.00	2.05	0.34		<0.30	<1.90	9.61	<1.00	1.88	0.48	<1.30	2.88	<1.00	<1.00	<3.20					
03U317		05-Jan-89	A21			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
03U317		16-Mar-89	A21			<10.00	3200.00	66.00		19.00	<10.00	<10.00	1100.00	<10.00	19.00	24.00		<10.00								
03U317		20-Apr-89	A22			13.00	13000.00	660.00		27.00	<0.20	<1.00	2800.00	<0.20	27.00	4.20		1.30								
03U317		19-Jul-89	A23			<20.00	12000.00	1200.00		66.00	<20.00	<100.00	5800.00	<20.00	47.00	<20.00		<20.00								
03U317		25-Oct-89	A24			<200.00	19000.00	760.00		<200.00	<200.00	<1000.00	7000.00	<200.00	<200.00	<200.00		<200.00								
03U317		19-Jan-90	A25			<200.00	21000.00	<200.00		<200.00	<200.00	<1000.00	7300.00	<200.00	<200.00	<200.00		<200.00								
03U317		08-May-90	A26			18.00	18000.00	210.00		60.00	<0.50	<0.50	5200.00	9.80	53.00	10.00	<0.50	5.90	<0.50		15.00					
03U317		13-Jul-90	A27			<200.00	15000.00	720.00		100.00	<60.00	<300.00	7500.00	<200.00	70.00	<40.00	<60.00	<100.00	<40.00		720.00					
03U317		19-Dec-90	A29			<1.00	18293.99	<1.00	<0.50			<1.90	5252.32	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U317		19-Dec-90	A29			<1.00	16738.20	<1.00	<0.50			<1.90	4974.25	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U317		19-Mar-91	A30			<500.00	16000.00	<500.00	<250.00		<150.00	<950.00	5700.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U317		04-Jun-91	A31			<100.00	16000.00	280.00	<50.00		<30.00	<190.00	6200.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U317		04-Jun-91	M31			<200.00	16000.00	<500.00		<200.00	<100.00	<1000.00	6400.00	<200.00	<200.00	<200.00	<200.00	<100.00	<200.00	<200.00	<500.00	<200.00	<200.00		<200.00	<200.00
03U317		05-Sep-91	A32			<500.00	23000.00	<500.00	<250.00		<150.00	<950.00	5700.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U317		04-Dec-91	A33	GNA 019		<500.00	18000.00	<500.00	<250.00		<150.00	<950.00	5700.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U317		06-Mar-92	A34	GNK 007		<500.00	14000.00	<500.00	<250.00		<250.00	<950.00	4400.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U317		05-Jun-92	A35	GNX 006		<500.00	15000.00	<500.00	<250.00		<150.00	<950.00	4000.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U317		01-Sep-92	A36	IBE 007		<500.00	19000.00	<500.00		<250.00	<150.00	<950.00	6700.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U317		03-Mar-93	A38	ZBS 011		<250.00	12000.00	<250.00	<130.00		<75.00	<480.00	4600.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03U317		15-Sep-93	A40	IKE 015		<200.00	14000.00	240.00	<100.00		<60.00	<380.00	4700.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U317		03-Mar-94	A42	IKU 012	44115	<250.00	15000.00	<250.00	<130.00		<75.00	<480.00	4900.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03U317		07-Sep-94	A44	ZVQ 008	NA	<500.00	12000.00	<500.00	<250.00		<150.00	<950.00	3100.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U521		20-Nov-87	F16			<0.88	2.70	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U521		11-Apr-88	F18			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U521		24-Aug-88	F19			<1.00	1.66	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U521		18-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U521		25-Apr-90	F26			<1.00	0.91	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U658		27-Jul-88	A19			<0.20	0.25	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U658		13-Oct-89	A24			<0.20	7.20	<0.20		<0.20	<0.20	<1.00	0.90	<0.20	<0.20	<0.20		<0.20								
03U658		02-May-90	A26			<0.50	7.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U658		20-Mar-91	A30			<1.00	1.93	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U658		17-Mar-92	A34	GNQ 019		<1.00	1.43	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U658		22-Mar-93	A38	ZHJ 004		<1.00	0.79	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U658		08-Mar-94	A42	ZUD 004	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U658	(4)	08-Mar-94	A42	IKY 007	46809	<1.00	1.15	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U659		25-Oct-89	A24			<20.00	3600.00	43.00		370.00	<20.00	<100.00	280.00	<20.00	<20.00	<20.00		<20.00								
03U659		07-May-90	A26			<0.50	950.00	8.90		55.00	0.70	<0.50	65.00	<0.50	2.90	<0.50	<0.50	<0.50	<0.50		<0.50					
03U659		12-Mar-91	A30			<50.00	450.00	<50.00	54.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U659		12-Mar-91	M30			<0.50	360.00	2.30		72.00	0.60	<2.50	14.00	<0.50	0.80	<0.50	<0.50	<0.30	<0.50	<0.50	<1.30	<0.50	<0.50		<0.50	<0.50
03U659		20-Mar-92	A34	GNQ 012		<50.00	750.00	<50.00	130.00		<25.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U659		23-Mar-93	A38	ZHL 007		<1.00	730.00	2.82	68.00		<0.30	<1.90	32.60	<1.00	2.60	<0.50	<1.30	1.80	<1.00	<1.00	<3.20					
03U659		10-Mar-94	A42	IUC 007	NC	<100.00	4400.00	<100.00	460.00		<30.00	<190.00	190.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U671		04-Dec-87	F16			15.00	280.00	<10.00	<11.00			<30.00	30.00	<20.00	<14.00	<10.00	<22.00	<8.20	<12.00	<90.00	<36.00					
03U671		22-Jan-88	A17			47.00	341.00	12.00		10.50	<0.20	<0.20	60.00	<0.20	2.10	<0.20		12.80								
03U671		13-May-88	A18			18.00	266.00	8.70		6.40	<0.20	<0.20	40.00	0.47	2.60	<0.20		4.00								
03U671		08-Aug-88	A19			40.00	540.00	12.00		11.00	<0.20	<0.20	82.00	0.25	2.80	<0.20		5.80								
03U671		22-Aug-88	F19			29.00	230.00	9.20	13.00			<9.50	50.00	<5.00		<2.50		11.00	<5.00			<2.10	<4.40	<41.00		
03U671		26-Oct-88	A20			15.00	205.00	4.60		4.20	<0.50	<0.50	30.00	<0.50	1.90	<1.00		3.10								
03U671		16-Oct-89	A24			6.30	130.00	3.80		<1.00	<1.00	<5.00	17.00	<1.00	<1.00	<1.00		<1.00								
03U671		23-Apr-90	A26			6.00	230.00	2.80		0.90	<0.50	<0.50	9.40	1.20	<0.50	<0.50	<0.50	1.60	<0.50		<0.50					
03U671		19-Mar-91	A30			2.90	58.00	<2.00	<1.00		<0.60	<3.80	4.50	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U671		10-Mar-92	A34	GNL 009		<10.00	310.00	45.00	<5.00		<5.00	<19.00	42.00	<10.00	21.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U671	(4)	10-Mar-92	A34	GNL 010		<10.00	280.00	39.00	<5.00		<5.00	<19.00	380.00	<10.00	20.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U671		22-Mar-93	A38	ZHJ 007		<50.00	1400.00	110.00	<25.00		<15.00	<95.00	980.00	<50.00	58.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U671		02-Mar-94	A42	IKT 014	NC	<25.00	940.00	43.00	27.00		<7.50	<48.00	310.00	<25.00	34.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U672		13-Nov-87	A16			<0.20	0.30	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U672		14-Jan-88	A17			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U672		18-May-88	A18			<0.20	92.00	<0.20		0.25	<0.20	<0.20	9.40	<0.20	<0.20	<0.20		<0.20								
03U672		27-Jul-88	A19			<0.20	5.70	<0.20		<0.20	<0.20	<0.20	0.52	<0.20	0.21	<0.20		<0.20								
03U672		28-Oct-88	A20			<0.50	0.91	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03U672		19-Apr-89	A22			<0.20	1.10	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03U672		12-Jul-89	A23			<0.20	1.80	0.90		<0.20	<0.20	<1.00	0.30	<0.20	<0.20	<0.20		<0.20								
03U672		18-Oct-89	A24			<0.20	0.30	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03U672		18-Jan-90	A25			<0.20	0.30	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03U672		02-May-90	A26			<0.50	11.00	<0.50		0.60	<0.50	<0.50	2.90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U672		18-Jul-90	A27			<1.00	2.10	<0.30		<0.50		<1.50	0.60	<1.00	<0.20	<0.20		<0.50								
03U672		22-Mar-91	A30			<1.00	1.88	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		06-Jun-91	A31			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		04-Sep-91	A32			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		16-Mar-92	A34	GNN 017		<1.00	4.11	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		03-Jun-92	A35	GNV 012		<1.00	4.38	<1.00	<0.50		<0.30	<1.90	1.17	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		08-Sep-92	A36	IBH 006		<1.00	1.09	<1.00		<0.50	<0.30	<1.90	1.18	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672	(4)	08-Sep-92	A36	IBH 007		<1.00	0.55	<1.00		<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		10-Mar-93	A38	ZHA 004		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		13-Sep-93	A40	ZKB 006		<1.00	1.60	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672	(4)	13-Sep-93	A40	ZKB 007		<1.00	1.65	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		04-Mar-94	A42	IKT 015	44113	<1.00	1.14	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		09-Sep-94	A44	ZVT 008	211540	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.60	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		13-Nov-87	A16			<0.20	0.30	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U673		11-Mar-91	A30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		11-Mar-91	M30			<0.20	1.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
03U673		17-Jun-91	M31			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
03U673		12-Mar-92	A34	GNM 018		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		04-Jun-92	A35	GNW 004		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		08-Sep-92	A36	IBH 004		<1.00	<0.50	<1.00		<0.50	<0.30	<1.90	1.09	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		03-Mar-93	A38	ZBS 007		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		13-Sep-93	A40	ZKB 005		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		04-Mar-94	A42	IKV 006	44113	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		06-Jun-94	A43	IVD 009	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		08-Sep-94	A44	IVS 011	NA	<1.00	0.37	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.73	<1.30	<0.72	<1.00	<1.00	<3.20					
03U676		03-Nov-87	A16			5.30	220.00	<1.50		160.00	<1.50	<2.50	74.00	<5.00	11.00	<1.00		<2.50								
03U701		20-Jan-88	A17			15.00	1200.00	86.20		20.00	<0.20	<0.20	258.00	0.67	90.20	0.49		258.00								
03U701		12-May-88	A18			13.00	635.00	15.00		6.60	<0.20	<0.20	334.00	0.31	10.00	0.72		0.48								
03U701		02-Aug-88	A19			20.00	1220.00	16.00		16.00	<0.20	<0.20	499.00	0.57	23.00	<0.20		<0.20								
03U701		21-Oct-88	A20			11.00	500.00	10.00		12.00	<0.50	<0.50	110.00	<0.50	20.00	<1.00		1.50								
03U701		17-Oct-89	A24			5.40	190.00	25.00		<2.00	<2.00	<10.00	130.00	<2.00	<2.00	<2.00		<2.00								
03U701		26-Apr-90	A26			<0.50	160.00	29.00		0.60	<0.50	<0.50	100.00	<0.50	0.70	<0.50	<0.50	<0.50	<0.50		<0.50					
03U701		13-Mar-91	A30			<5.00	80.00	9.20	<2.50		<1.50	<9.50	82.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U701		05-Mar-92	A34	GNH 015		<1.00	51.20	2.40	1.28		<0.50	<1.90	20.40	<1.00	1.23	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U701		08-Mar-93	A38	IBX 012		<2.00	58.00	2.60	2.20		<0.60	<3.80	16.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U701		09-Mar-94	A42	IUB 012	NC	<1.00	40.60	1.16	1.49		<0.30	<1.90	6.54	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U702		20-Jan-88	A17			0.80	170.00	20.00		0.40	<0.20	<0.20	143.00	<0.20	<0.20	<0.20		<0.20								
03U702		13-May-88	A18			0.54	120.00	6.90		<0.20	<0.20	<0.20	120.00	<0.20	<0.20	<0.20		<0.20								
03U702		08-Aug-88	A19			0.85	365.00	10.00		0.55	<0.20	<0.20	164.00	<0.20	<0.20	1.20		0.70								
03U702		25-Oct-88	A20			<0.50	80.00	5.70		<0.50	<0.50	<0.50	45.00	<0.50	0.86	<1.00		<0.50								
03U702		13-Oct-89	A24			<0.20	36.00	9.00		<0.20	<0.20	<1.00	27.00	<0.20	0.60	<0.20		<0.20								
03U702		26-Apr-90	A26			<0.50	28.00	<0.50		<0.50	<0.50	<0.50	7.60	<0.50	1.00	<0.50	<0.50	<0.50	<0.50		<0.50					
03U702		13-Mar-91	A30			<1.00	15.20	<1.00	<0.50		<0.30	<1.90	3.20	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U702		19-Mar-92	A34	ZNP 008		<1.00	14.50	<1.00	<0.50		<0.50	<1.90	2.24	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U702		08-Mar-93	A38	IBX 004		<1.00	5.09	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U702	(4)	08-Mar-93	A38	IBX 005							<0.30															
03U702		08-Mar-94	A42	IUA 007	46809	<1.00	9.71	<1.00	<0.50		<0.30	<1.90	1.22	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U703		15-Jan-88	A17			30.00	1130.00	57.00		102.00	<2.00	<2.00	24.00	<2.00	66.00	<2.00		<2.00								
03U703		16-May-88	A18			5.90	840.00	30.00		52.00	1.10	<0.20	60.00	<0.20	49.00	<0.20		<0.20								
03U703		04-Aug-88	A19			5.80	632.00	31.00		100.00	0.65	<0.20	81.00	0.43	45.00	<0.20		2.50								

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U703		24-Oct-88	A20			3.30	4500.00	25.00		257.00	<0.50	<0.50	25.00	0.55	<1.00	<1.00		14.00								
03U703		12-Oct-89	A24			<10.00	900.00	<10.00		57.00	<10.00	<50.00	19.00	<10.00	<10.00	<10.00		<10.00								
03U703		02-May-90	A26			3.20	5500.00	34.00		180.00	1.10	<0.50	43.00	1.80	39.00	<0.50	<0.50	1.60	<0.50		<0.50					
03U703		20-Mar-91	A30			<100.00	2900.00	<100.00	84.00		<30.00	<190.00	<100.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	510.00					
03U703		19-Mar-92	A34	ZNP 004		<20.00	520.00	<20.00	17.00		<10.00	<38.00	25.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U703		15-Mar-93	A38	ZHF 007		<5.00	180.00	<5.00	7.60		<1.50	<9.50	14.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U703		08-Mar-94	A42	IKY 008	46809	<1.00	140.00	1.12	3.19		<0.30	<1.90	3.44	<1.00	1.57	0.52	<1.30	<0.72	<1.00	<1.00	<3.20					
03U704		10-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
03U704		25-Jan-88	A17			<0.20	1.50	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U704		05-Apr-88	F18			<1.00	4.36	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U704		17-May-88	A18			<0.20	3.90	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U704		29-Jul-88	A19			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U704		08-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U704		27-Oct-88	A20			<0.50	3.30	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03U704		16-Nov-88	F20			<1.00	1.09	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U704		20-Apr-89	A22			<0.20	6.90	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03U704		19-Jul-89	A23			<0.20	3.70	<0.20		<0.20	<0.20	<1.00	0.30	<0.20	<0.20	<0.20		<0.20								
03U704		20-Oct-89	A24			<0.20	38.00	0.30		<0.20	<0.20	<1.00	2.90	<0.20	<0.20	<0.20		<0.20								
03U704		17-Jan-90	A25			<0.20	9.60	<0.20		0.40	<0.20	<0.20	3.10	<0.20	<0.20	<0.20		<0.20								
03U704		30-Jan-90	A25			<0.20	3.10	<0.20		<0.20	<0.20	<1.00	2.60	<0.20	<0.20	<0.20		<0.20								
03U704		27-Apr-90	F26			<1.00	0.65	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U704		19-Jul-90	A27			<1.00	0.80	<0.30		<0.50	<0.30	<1.50	<0.50	<1.00	<0.20	<0.20		<0.50								
03U704		15-Mar-91	A30			1.00	2.60	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U704		19-Mar-92	A34	ZNP 006		<1.00	2.41	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U704		17-Mar-93	A38	IHN 009		<1.00	0.94	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U704		09-Mar-94	A42	IUB 005	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		25-Jan-88	A17			<0.20	14.00	<0.20		0.42	<0.20	<0.20	3.10	<0.20	<0.20	0.27		<0.20								
03U705		17-May-88	A18			<0.20	2.00	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.20		<0.20								
03U705		08-Aug-88	A19			<0.20	26.00	<0.20		0.42	<0.20	<0.20	2.60	<0.20	<0.20	<0.20		<0.20								
03U705		12-Oct-89	A24			<0.40	71.00	2.20		<0.40	<0.40	<2.00	14.00	<0.40	<0.40	<0.40		<0.40								
03U705		24-Apr-90	F26			<1.00	1.57	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		19-Jul-90	F27			<1.00	1.00	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		21-Sep-90	F28			<1.00	2.53	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		15-Mar-91	A30			<1.00	2.38	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		05-Jun-91	A31			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		05-Jun-91	M31			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.20		<0.20	<0.20
03U705		05-Sep-91	A32			<1.00	0.64	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		19-Mar-92	A34	ZNP 009		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		08-Jun-92	A35	ZNZ 004		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		29-Sep-92	A36		(5)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		16-Mar-93	A38	ZHH 006		<1.00	6.31	<1.00	<0.50		<0.30	<1.90	3.21	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		14-Sep-93	A40	ZKB 009		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		08-Mar-94	A42	IKY 011	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		09-Sep-94	A44	ZVU 007	211540	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705	(4)	09-Sep-94	A44	ZVU 008	211540	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U706		25-Jan-88	A17			<0.20	0.50	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		1.10								
03U706		10-May-88	A18			<0.20	3.17	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U706		29-Jul-88	A19			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U706		25-Oct-88	A20			<0.50	1.00	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03U706		12-Oct-89	A24			<0.20	2.40	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03U706		30-Jan-90	A25			<0.20	<0.20	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03U706		02-May-90	A26			<0.50	4.20	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U706		19-Mar-91	A30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U706		20-Mar-92	A34	GNQ 007		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U706		16-Mar-93	A38	ZHH 005		<1.00	4.70	<1.00	<0.50		<0.30	<1.90	1.73	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U706		08-Mar-94	A42	IKY 006	46809	<1.00	0.58	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U707		25-Jan-88	A17			<0.20	0.28	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U707		17-May-88	A18			<0.20	1.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U707		29-Jul-88	A19			<0.20	0.23	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U707		25-Oct-88	A20			<0.50	5.30	<0.50		<0.50	<0.50	<0.50	0.80	<0.50	1.00	<1.00		<0.50								
03U707		20-Oct-89	A24			<0.20	13.00	<0.20		<0.20	<0.20	<1.00	1.10	<0.20	<0.20	<0.20		<0.20								

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U707		30-Jan-90	A25			<0.20	4.80	<0.20		<0.20	<0.20	<1.00	0.40	<0.20	<0.20	<0.20		<0.20								
03U707		02-May-90	A26			<0.50	2.60	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U707		19-Mar-91	A30			<1.00	3.15	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U707		20-Mar-92	A34	ZNP 012		<1.00	0.75	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U707		16-Mar-93	A38	ZHG 009		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U707		08-Mar-94	A42	IUA 006	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.52	<1.30	<0.72	<1.00	<1.00	<3.20					
03U708		22-Jan-88	A17			21.00	72.00	2.70		0.78	<0.20	<0.20	11.00	<0.20	0.51	<0.20		13.00								
03U708		10-May-88	A18			12.00	38.00	2.10		7.60	<0.20	<0.20	10.00	<0.20	2.00	<0.20		7.30								
03U708		04-Aug-88	A19			44.00	152.00	7.40		15.00	<0.20	<0.20	36.00	<0.20	0.94	<0.20		6.70								
03U708		24-Oct-88	A20			6.10	125.00	2.40		12.40	<0.50	<0.50	20.00	<0.50	1.40	<1.00		4.70								
03U708		31-Oct-88	A20			33.00	145.00	5.50		16.00	<0.50	<0.50	42.00	<0.50	0.98	<1.00		6.90								
03U708		12-Oct-89	A24			14.00	57.00	3.00		7.20	<0.40	<2.00	10.00	<0.40	1.30	<0.40		3.10								
03U708		24-Apr-90	A26			20.00	120.00	1.40		27.00	<0.50	<0.50	16.00	<0.50	<0.50	<0.50	<0.50	3.00	<0.50		<0.50					
03U708		08-Mar-91	A30			20.00	110.00	<5.00	<2.50		<1.50	<9.50	16.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U708		05-Mar-92	A34	GNI 010		15.00	110.00	<5.00	<2.50		<2.50	<9.50	22.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U708		12-Mar-93	A38	IHD 012		28.90	560.00	89.00	6.20		<0.30	<1.90	820.00	3.10	28.50	2.08	3.26	1.61	<1.00	<1.00	<3.20					
03U708		09-Mar-94	A42	ZUG 008	NC	<100.00	2800.00	130.00	77.00		<30.00	<190.00	1500.00	<100.00	130.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U709		22-Jan-88	A17			11.80	420.00	<0.20		0.32	<0.20	<0.20	2.30	<0.20	<0.20	<0.20		1.60								
03U709		12-May-88	A18			7.30	270.00	<0.20		<0.20	<0.20	<0.20	3.40	2.00	<0.20	<0.20		1.50								
03U709		08-Aug-88	A19			9.40	440.00	<0.20		1.10	<0.20	<0.20	4.00	3.20	<0.20	<0.20		1.30								
03U709		26-Oct-88	A20			7.60	225.00	<0.50		<0.50	<0.50	<0.50	7.10	3.40	<1.00	<1.00		<1.70								
03U709		17-Oct-89	A24			5.80	140.00	4.40		<1.00	<1.00	<5.00	22.00	13.00	<1.00	<1.00		<1.00								
03U709		30-Apr-90	A26			2.90	120.00	3.50		<0.50	<0.50	<0.50	69.00	19.00	1.40	<0.50	<0.50	1.30	<0.50		<0.50					
03U709		15-Mar-91	A30			<50.00	100.00	<50.00	<25.00		<15.00	<95.00	370.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U709	(4)	15-Mar-91	A30			<50.00	110.00	<50.00	<25.00		<15.00	<95.00	380.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U709		13-Mar-92	A34	GNN 010		<50.00	2300.00	160.00	60.00		<25.00	<95.00	1200.00	<50.00	130.00	<25.00	<65.00	<3.60	<50.00	<50.00	<160.00					
03U709	(4)	13-Mar-92	A34	GNN 009		<50.00	2400.00	160.00	60.00		<25.00	<95.00	1300.00	<50.00	130.00	<25.00	<65.00	<3.60	<50.00	<50.00	<160.00					
03U709		17-Mar-93	A38	ZHH 009		<50.00	1300.00	76.00	<25.00		<15.00	<95.00	510.00	<50.00	100.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U709	(4)	17-Mar-93	A38	ZHH 010		<50.00	1300.00	76.00	<25.00		<15.00	<95.00	500.00	<50.00	110.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U709		09-Mar-94	A42	IUB 015	NC	<10.00	300.00	25.00	<5.00		<3.00	<19.00	51.00	<10.00	48.00	<5.00	<13.00	<7.20	<10.00	<10.00	58.00					
03U710		14-Jan-88	A17			<0.20	1780.00	23.00		47.00	<0.20	<0.20	34.00	<0.20	26.00	<0.20		<0.20								
03U710		18-May-88	A18			<0.20	2920.00	50.00		66.00	0.36	<0.20	130.00	1.90	42.00	1.70		<0.20								
03U710		03-Aug-88	A19			<0.20	3340.00	18.00		68.00	0.62	<0.20	216.00	2.80	38.00	4.40		<0.20								
03U710		26-Oct-88	A20			<0.50	1440.00	25.00		48.00	3.60	<0.50	120.00	1.50	31.00	4.10		3.10								
03U710		25-Oct-89	A24			<10.00	1100.00	40.00		24.00	<10.00	<50.00	90.00	<10.00	21.00	<10.00		<10.00								
03U710		02-May-90	A26			<0.50	850.00	32.00		29.00	<0.50	<0.50	85.00	2.20	25.00	1.70	<0.50	1.00	<0.50		<0.50					
03U710		16-Apr-91	A30			<25.00	640.00	32.00	30.00		<7.50	<48.00	59.00	<25.00	40.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U710	(4)	16-Apr-91	A30			<25.00	640.00	30.00	30.00		<190.00	<48.00	62.00	<25.00	37.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U710		13-Mar-92	A34	GNN 008		<20.00	730.00	<20.00	24.00		<10.00	<38.00	150.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U710		22-Mar-93	A38	ZHJ 010		<20.00	600.00	<20.00	12.00		<6.00	<38.00	99.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U710		04-Mar-94	A42	IKV 008	44113	<25.00	670.00	<25.00	<13.00		<7.50	<48.00	85.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U711		19-Apr-89	A22			17.00	23.00	<2.00		6.20	<0.20	<1.00	6.70	<0.20	0.50	<0.20		11.00								
03U711		12-Jul-89	A23			26.00	28.00	3.30		7.90	<0.20	<1.00	6.50	<0.20	0.90	<0.20		11.00								
03U711		18-Oct-89	A24			31.00	45.00	2.50		7.60	<0.20	<1.00	9.80	<0.20	0.50	<0.20		9.70								
03U711		17-Jan-90	A25			22.00	25.00	1.50		7.00	<0.20	<1.00	5.30	<0.20	0.70	<0.20		9.40								
03U711		01-May-90	A26			<0.50	26.00	1.50		5.30	<0.50	<0.50	4.50	<0.50	<0.50	<0.50	0.80	7.50	<0.50		<0.50					
03U711		20-Jul-90	A27			19.00	19.00	1.60		5.70	<0.30	<1.50	4.60	<1.00	0.70	<0.20		6.30								
03U711	(4)	20-Jul-90	A27			18.00	20.00	1.80		5.20	<0.30	<1.50	4.40	<1.00	0.60	<0.20		7.10								
03U711		14-Mar-91	A30			14.30	14.80	<1.00	3.65		<0.30	<1.90	3.40	<1.00	<0.78	<0.50	<1.30	4.96	<1.00	<1.00	<3.20					
03U711		07-Jun-91	A31			13.00	20.20	<1.00	2.47		<0.30	<1.90	4.23	<1.00	<0.78	<0.50	<1.30	3.60	<1.00	<1.00	<3.20					
03U711		04-Sep-91	A32				0.78																			
03U711		04-Sep-91	A32			<1.00	0.96	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U711		05-Mar-92	A34	GNH 014		<1.00	0.89	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	1.05	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U711		04-Jun-92	A35	GNW 010		14.00	54.00	9.20	<2.50		<1.50	<9.50	110.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U711		03-Sep-92	A36	IBG 014		13.00	97.00	19.00		<2.50	<1.50	<9.50	190.00	<5.00	4.10	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U711		04-Mar-93	A38	ZBV 005		23.00	140.00	37.00	<5.00		<3.00	<19.00	370.00	<10.00	13.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U711		14-Sep-93	A40	ZKC 009		<20.00	490.00	78.00	11.00		<6.00	<38.00	600.00	<20.00	36.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U711		14-Sep-93	M40			20.00	370.00	120.00		11.00	<0.20	<1.00	520.00	3.50	43.00	1.40	3.20	3.10	<0.20	<0.20	1.20	0.20	<0.20		<0.20	<0.20
03U711		04-Mar-94	A42	IKT 018	44113	<50.00	970.00	97.00	<25.00		<15.00	<95.00	670.00	<50.00	68.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U711		07-Sep-94	A44	IVS 008	NA	15.00	1000.00	120.00	15.00		<3.00	<19.00	420.00	<10.00	87.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U711	(4)	07-Sep-94	A44	IVS 009	NA	14.00	990.00	110.00	15.00		<3.00	<19.00	420.00	<10.00	80.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U801		03-Dec-87	F16			<180.00	4800.00	<100.00	<110.00			<300.00	<160.00	<200.00	<140.00	<100.00	<220.00	<82.00	<120.00	<900.00	<360.00					
03U801		02-May-90	A26			<0.50	1600.00	2.50		50.00	<0.50	<0.50	3.70	<0.50	2.50	<0.50	<0.50	0.70	<0.50		<0.50					
03U801		21-Mar-91	A30			<250.00	7200.00	<250.00	170.00		<75.00	<480.00	<250.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03U801		17-Sep-91	M32			<40.00	7300.00	<100.00		60.00	<20.00	<200.00	<40.00	<40.00	<40.00	<40.00	<40.00	<20.00	<40.00	<40.00	<100.00	<40.00	<40.00		<40.00	<40.00
03U801	(4)	17-Sep-91	M32			6.40	800.00	12.00		150.00	1.60	<1.00	14.00	<1.20	16.00	<0.30	<1.60	5.30	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00		
03U801		16-Mar-92	A34	GNN 018		<1.00	0.58	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U801		04-Mar-93	A38	ZBV 008		<200.00	11000.00	<200.00	310.00		<60.00	<380.00	<200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U801		03-Mar-94	A42	IKR 006	44113	<200.00	5200.00	<200.00	<100.00		<60.00	<380.00	<200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U803		01-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.11	<0.41	<0.62	<4.50	<1.80					
03U803		28-Oct-88	A20			<0.50	1.60	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03U803		18-Sep-91	M32			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
03U804		01-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03U804		21-Jan-88	A17			<0.20	2.40	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U804		13-May-88	A18			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U804		04-Aug-88	A19			<0.20	3.70	<0.20		<0.20	<0.20	<0.20	0.55	<0.20	<0.20	<0.20		<0.20								
03U804		17-Oct-89	A24			<0.20	8.20	0.20		<0.20	<0.20	<1.00	1.40	<0.20	<0.20	<0.20		<0.20								
03U804		04-May-90	A26			<0.50	0.80	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U804		12-Mar-91	A30			<1.00	1.41	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U804	(4)	12-Mar-91	A30			<1.00	1.39	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U804		12-Mar-91	M30			<0.20	1.40	<0.50		<0.20	<0.10	<1.00	0.30	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.20		<0.20	<0.20
03U804		16-Mar-92	A34	GNO 023		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U804	(4)	16-Mar-92	A34	GNN 019		<1.00	1.51	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U804		04-Mar-93	A38	ZBV 006		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U804		02-Mar-94	A42	IKT 005	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U805		01-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03U805		21-Jan-88	A17			<0.20	0.30	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U805		13-May-88	A18			<0.20	0.65	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
03U805		09-Aug-88	A19			<0.20	1.40	<0.20		<0.20	<0.20	<0.20	0.36	<0.20	<0.20	<0.20		0.32								
03U805		01-Nov-88	A20			<0.50	1.60	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
03U805		18-Oct-89	A24			<0.20	0.60	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
03U805		02-May-90	A26			<0.50	1.10	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
03U805		21-Mar-91	A30			<1.00	1.12	<1.00	<0.50		<0.30	<1.90	1.15	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U805	(4)	21-Mar-91	A30			<1.00	1.37	<1.00	<0.50		<0.30	<1.90	1.19	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U805		16-Mar-92	A34	GNO 016		<1.00	<0.50	<1.00	0.63		<0.50	<1.90	1.05	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U805		10-Mar-93	A38	ZHA 005		<1.00	<0.50	<1.00	0.62		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U805		03-Mar-94	A42	IKR 009	44113	<1.00	1.22	<1.00	<0.50		<0.30	<1.90	2.41	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U806		02-Dec-87	F16			<0.88	<1.10	2.88	<0.56			<1.50	18.60	<0.99	15.50	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03U806		23-Apr-90	A26			<0.50	370.00	160.00		9.10	<0.50	<0.50	120.00	3.20	260.00	<0.50	<0.50	1.10	<0.50		<0.50					
03U806		11-Mar-91	A30			<50.00	460.00	76.00	<25.00		<15.00	<95.00	72.00	<50.00	140.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U806		11-Mar-91	M30			<0.20	350.00	93.00		12.00	<0.10	<0.10	51.00	PP	200.00	<0.20	<0.20	0.90	<0.20	1.10	<0.50	<0.20	<0.20		<0.20	<0.20
03U806		20-Jun-91	M31			<20.00	1200.00	<50.00		<20.00	<10.00	<100.00	310.00	<20.00	<20.00	<20.00	<20.00	<10.00	<20.00	<20.00	<50.00	<20.00	<20.00		<20.00	<20.00
03U806		16-Mar-92	A34	GNO 005		<100.00	2900.00	<100.00	<50.00		<50.00	<190.00	220.00	<100.00	210.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U806		05-Jun-92	A35	GNW 016		<100.00	3100.00	<100.00	<50.00		<30.00	<190.00	110.00	<100.00	160.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U806		03-Sep-92	A36	IBG 010		<100.00	2600.00	<100.00		<50.00	<30.00	<190.00	130.00	<100.00	180.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U806	(4)	03-Sep-92	A36	IBG 011		<100.00	2800.00	<100.00		<50.00	<30.00	<190.00	290.00	<100.00	190.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U806		04-Mar-93	A38	ZBV 013		<25.00	2700.00	95.00	22.00		<7.50	<48.00	80.00	<25.00	200.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U806		13-Sep-93	A40	ZKC 006		<50.00	2500.00	81.00	<25.00		<15.00	<95.00	82.00	<50.00	180.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U806		02-Mar-94	A42	IKT 004	NC	<100.00	2300.00	<100.00	<50.00		<30.00	<190.00	<100.00	<100.00	150.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U806		09-Sep-94	A44	ZVT 006	211540	<20.00	1500.00	61.00	10.00		<6.00	<38.00	51.00	<20.00	110.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U811		25-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03U811		04-May-89	F22			<1.00	<0.50	5.50	<0.50			<1.90	14.90	<1.00		<0.50		<0.72	<1.00			<0.41	1.18	<8.28		
03U811		24-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03U811		20-Oct-89	F24			<0.88	4.18	0.74	<0.56			<1.50	1.01	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03U811		26-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U811		20-Mar-91	F30			<1.00	0.80	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U811		19-Mar-92	F34	BGJ 014		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U811		10-Mar-93	F38	IHA 005		<1.00	0.95	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U811		18-Mar-94	F42	IUO 010	57070	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U821		30-Nov-87	F16			<88.00	1300.00	<49.00	<56.00			<150.00	230.00	<99.00	<72.00	<51.00	<110.00	<41.00	<62.00	<450.00	<180.00					
03U821		10-May-89	F22			<5.00	210.00	17.00	9.20			<9.50	62.00	<5.00		<2.50		<3.60	<5.00			<2.10	<4.40	<41.00		
03U821		25-Jul-89	F23			<44.00	950.00	<24.00	<28.00			140.00	140.00	<50.00		<26.00		<20.00	<31.00			<150.00	1100.00	<58.00		
03U821		24-Oct-89	F24			<44.00	380.00	39.00	59.00			<75.00	66.00	<50.00		<26.00		<20.00	<31.00			<150.00	<170.00	<58.00		
03U821		01-May-90	F26			1.23	790.00	21.00	4.34			<1.90	150.00	<1.00	15.50	0.79	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U821		23-Jul-90	F27			<1.00	510.00	17.00	3.13			<1.90	83.00	<1.00	11.70	0.54	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U821		21-Mar-91	F30			<1.00	190.00	<1.00	<0.50			<1.90	37.00	<1.00	<0.78	<0.50	14.00	<0.72	<1.00		<3.20					
03U821		20-Mar-92	F34	BGK 013		<2.41		5.66		1.14	<1.06	<4.10	36.80	<1.52	5.26	<4.63	<1.20	<1.08	<3.94	<4.47	1.90					
03U821		20-Mar-92	F34	BGU 016			210.00																			
03U821		11-Mar-93	F38	IHB 011		<10.00	300.00	<10.00	<5.00			<19.00	42.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U821		18-Mar-94	F42	IUO 017	57070	<5.00	110.00	4.60	<2.50			<9.50	14.00	<5.00	4.20	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U822		01-Dec-87	F16			<0.88	1.65	0.62	<0.56			<1.50	19.70	<0.99	2.90	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03U822		05-May-89	F22			<1.00	<0.50	2.77	<0.50			<1.90	14.30	<1.00		<0.50		<0.72	<1.00			0.48	3.10	<8.28		
03U822		24-Jul-89	F23			<0.88	<1.10	1.66	<0.56			<1.50	10.50	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03U822		23-Oct-89	F24			<0.88	1.40	2.03	1.46			<1.50	6.29	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03U822		25-Apr-90	F26			<1.00	<0.50	4.52	1.12			<1.90	17.70	<1.00	10.90	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U822		21-Mar-91	F30			<1.00	7.94	5.17	0.88			<1.90	10.50	<1.00	10.10	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
03U822		23-Mar-92	F34	BGV 004		<2.41	<1.04	13.30		1.61	<1.06	<4.10	26.20	<1.52	18.90	<4.63	<1.20	<1.08	<3.94	<4.47	7.30					
03U822		23-Mar-92	F34	BHL 003																		<3.09	<3.39	<1.17		
03U822		12-Mar-93	F38	IHC 008		<1.00	<0.50	11.20	1.99			<1.90	19.50	<1.00	18.10	0.76	<1.30	<0.72	<1.00	<1.00	<3.20					
03U822		18-Mar-94	F42	IUP 007	57070	<1.00	2.70	8.41	1.72			1.20	2.60	<1.00	15.20	1.13	<1.30	<0.72	<1.00	<1.00	<3.20					
03U824		01-Dec-87	F16			<88.00	1300.00	<49.00	<56.00			<150.00	260.00	<99.00	<72.00	<51.00	<110.00	<41.00	<62.00	<450.00	<180.00					
03U824		28-Mar-91	F30			<1.00	43.00	<1.00	11.40			<1.90	7.21	<1.00	25.30	1.06	<1.30	<0.72	<1.00	<1.00	<3.20					
03U824		18-Mar-94	F42	IUP 011	57070	<1.00	94.00	3.64	6.98			<1.90	8.32	<1.00	14.50	1.14	<1.30	<0.72	<1.00	<1.00	<3.20					
03U831		25-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03U831		10-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U831		25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	1.43		
03U831		24-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03U831		24-Oct-89	F24			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U831		25-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U831		19-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U831		23-Mar-92	F34	BGU 013		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	3.06					
03U831	(4)	23-Mar-92	F34	BGU 012		<2.41	7.97	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.93					
03U831		12-Mar-93	F38	IHE 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U831		21-Mar-94	F42	IUS 018	59021	<1.00	0.47	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U832		24-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
03U832		09-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03U832		24-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03U832		24-Oct-89	F24			<0.88	1.78	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
03U832		25-Apr-90	F26			<1.00	0.71	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U832		19-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U832		24-Mar-92	F34	BGV 015		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	6.29					
03U832	(4)	24-Mar-92	F34	BGV 014		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	6.69					
03U832		16-Mar-93	F38	IHG 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U832		21-Mar-94	F42	IUS 010	59021	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
04J077		11-Oct-89	A24			<2.00	220.00	19.00		<2.00	<2.00	<10.00	71.00	<2.00	18.00	<2.00		<2.00								
04J077		24-Apr-90	A26			<0.50	650.00	66.00		10.00	<0.50	<0.50	200.00	<0.50	82.00	<0.50	0.90	<0.50	<0.50		<0.50					
04J077		07-Mar-91	A30			<50.00	970.00	76.00	<25.00		<15.00	<95.00	300.00	<50.00	140.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04J077		05-Mar-92	A34	GNI 007		<50.00	1100.00	59.00	<25.00		<25.00	<95.00	290.00	<50.00	84.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04J077		09-Mar-93	A38	ZBZ 005		<20.00	1100.00	43.00	17.00		<6.00	<38.00	270.00	<20.00	76.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04J077		08-Mar-94	A42	IKZ 017	46809	<25.00	800.00	54.00	20.00		<7.50	<48.00	180.00	<25.00	74.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
04J077	(4)	08-Mar-94	A42	IKZ 018	46809	<50.00	910.00	59.00	<25.00		<15.00	<95.00	160.00	<50.00	74.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04J702		13-Oct-89	A24			<0.20	30.00	2.90		<0.20	<0.20	<1.00	10.00	<0.20	2.80	<0.20		<0.20								
04J702		26-Apr-90	A26			<0.50	110.00	8.40		0.60	<0.50	<0.50	25.00	<0.50	3.20	<0.50	<0.50	<0.50	<0.50		<0.50					
04J702		13-Mar-91	A30			<10.00	180.00	<10.00	<5.00		<3.00	<19.00	49.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04J702	(4)	13-Mar-91	A30			<10.00	190.00	<10.00	<5.00		<3.00	<19.00	51.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04J702		09-Mar-92	A34	GNK 004		<5.00	190.00	<5.00	<2.50		<2.50	<9.50	35.00	<5.00	6.80	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04J702		08-Mar-93	A38	IBX 007		<5.00	180.00	<5.00	<2.50		<1.50	<9.50	28.00	<5.00	4.60	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04J702		07-Mar-94	A42	IKX 006	NC	<1.00	32.10	<1.00	<0.50		<0.30	<1.90	2.56	<1.00	2.13	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04J702	(4)	07-Mar-94	A42	IKX 007	NC	<1.00	36.60	<1.00	<0.50		<0.30	<1.90	2.89	<1.00	2.15	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J708		04-Jan-89	A21			<1.00	3.30	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04J708		12-Oct-89	A24			<0.20	1.60	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
04J708		24-Apr-90	A26			<0.50	3.00	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04J708		08-Mar-91	A30			<1.00	43.50	2.49	1.75		<0.30	<1.90	6.78	<1.00	7.73	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J708		05-Mar-92	A34	GNI 012		<1.00	10.60	<1.00	<0.50		<0.50	<1.90	2.10	<1.00	1.86	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J708		12-Mar-93	A38	IHD 008		<1.00	20.80	<1.00	0.77		<0.30	<1.90	2.14	<1.00	2.72	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J708		09-Mar-94	A42	ZUG 007	NC	<1.00	15.50	<1.00	<0.50		<0.30	<1.90	1.96	<1.00	1.81	<0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
04J713		04-Jan-89	A21			<1.00	42.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04J713		13-Oct-89	A24			<0.20	9.60	0.60		<0.20	<0.20	<1.00	2.60	<0.20	0.70	<0.20		<0.20								
04J713		30-Apr-90	A26			<0.50	11.00	<0.50		<0.50	<0.50	<0.50	2.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04J713		12-Mar-91	A30			<1.00	39.70	1.14	<0.50		<0.30	<1.90	9.12	<1.00	0.92	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J713		09-Mar-92	A34	GNK 018		<1.00	24.80	<1.00	<0.50		<0.50	<1.90	5.20	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J713		08-Mar-93	A38	IBX 010		<1.00	10.80	<1.00	<0.50		<0.30	<1.90	1.88	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J713		07-Mar-94	A42	IKX 004	NC	<1.00	2.38	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		04-Jan-89	A21			<1.00	6.10	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04J714		18-Apr-89	A22			<0.20	12.00	<1.00		<0.20	<0.20	<1.00	1.50	<0.20	0.40	<0.20		<0.20								
04J714		11-Jul-89	A23			<0.20	9.30	1.00		0.20	<0.20	<1.00	2.30	<0.20	1.10	<0.20		<0.20								
04J714		13-Oct-89	A24			<0.20	5.00	<0.20		<0.20	<0.20	<1.00	1.20	<0.20	0.50	<0.20		<0.20								
04J714		17-Jan-90	A25			<0.20	17.00	0.40		<0.20	<0.20	<1.00	3.70	<0.20	0.30	<0.20		<0.20								
04J714		30-Apr-90	A26			<0.50	11.00	<0.50		<0.50	<0.50	<0.50	2.80	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04J714		19-Jul-90	A27			<1.00	12.00	0.50		<0.50	<0.30	<1.50	2.60	<1.00	0.40	<0.20		<0.50								
04J714		12-Mar-91	A30			<1.00	13.40	<1.00	<0.50		<0.30	<1.90	1.79	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		06-Jun-91	A31			<1.00	9.41	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		04-Sep-91	A32			<1.00	9.30	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		04-Mar-92	A34	GNH 010		<1.00	6.72	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		03-Jun-92	A35	GNV 007		<1.00	5.03	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714	(4)	03-Jun-92	A35	GNV 013		<5.00	710.00	7.00	9.80		<1.50	<9.50	36.00	<5.00	4.60	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04J714		03-Sep-92	A36		(5)	<1.00	6.5	<1.00	<0.50			<1.90	1.36	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		11-Mar-93	A38	ZHB 008		<1.00	5.17	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		14-Sep-93	A40	ZKC 012		<1.00	4.61	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		07-Mar-94	A42	ZKW 007	NC	<1.00	3.55	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		07-Sep-94	A44	ZVQ 004	NA	<1.00	3.27	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.61	<1.30	<0.72	<1.00	<1.00	<3.20					
04J815		09-Mar-93	M38			<1.00	<0.50	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
04J815		13-May-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04J834		08-Mar-93	F38		(5)	<1.00	11.60	<1.00	<0.50			<1.90	1.05	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J834		12-May-93	F39	IHT 011		<1.00	11.10	<1.00	<0.50			<1.90	1.83	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J834		23-Mar-94	F42	IUW 010	62588	<1.00	1.45	0.58	0.74			<1.90	<1.00	<1.00	2.33	0.34	<1.30	<0.72	<1.00	<1.00	<3.20					
04J834		24-Mar-94	M42			<0.20	2.20	<0.50		1.20	<0.20	<1.00	0.50	<0.20	2.80	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.40	1.10		0.30	0.70
04J835		09-Mar-93	F38		(5)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J835		12-May-93	F39	IHT 013		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J835		24-Mar-94	F42	IUX 005	63410	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J835		24-Mar-94	M42			<0.20	0.20	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.40		<0.20	0.30
04J844		08-Mar-93	M38			<1.00	9.70	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
04J844		13-May-93	M39			<0.20	11.00	1.10		0.30	<0.20	<1.00	0.20	<0.20	1.00	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.30		<0.20	<0.20
04J864		26-Feb-93	A38	ZBP 004		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J864		07-Jun-94	A43	ZVE 006	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.70	<1.30	<0.72	<1.00	<1.00	<3.20					
04J864		07-Jun-94	M43			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04J864		13-Sep-94	A44	IVV 006	215473	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.46	<1.30	<0.72	<1.00	<1.00	<3.20					
04J866		13-Apr-93	A39	ZHP 009		<1.00	6.49	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J866		09-Jun-94	A43	ZVG 007	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J866		15-Sep-94	A44	IVX 013	218146	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	2.28					
04J882		08-Mar-93	F38		(5)	<1.00	0.84	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J882	(4)	08-Mar-93	F38		(5)	<1.00	0.81	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J882		08-Mar-93	M38			<1.00	<0.50	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04J882		11-May-93	F39	IHT 009		<5.00	<2.50	<5.00	<2.50			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04J882		13-May-93	M39			<0.20	0.30	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.40		<0.20	0.20
04J882		23-Mar-94	F42	IUW 008	62588	<1.00	0.99	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		16-Nov-87	F16																							
04U001		13-Jan-88	A17			<0.20	6.90	<0.20		<0.20	<0.20	<0.20	2.80	<0.20	<0.20	<0.20		<0.20				<3.09	<3.39	<1.17		
04U001		11-May-88	A18			<0.20	11.00	<0.20		<0.20	<0.20	<0.20	5.80	<0.20	<0.20	<0.20		<0.20								
04U001		29-Jul-88	A19			<0.20	9.30	<0.20		<0.20	<0.20	<0.20	5.40	<0.20	<0.20	<0.20		<0.20								
04U001		23-Aug-88	F19			<1.00	13.20	<1.00	<0.50			<1.90	5.63	<1.00		<0.50		<0.72	<1.00							
04U001		20-Oct-88	A20			<0.50	9.40	<0.50		<0.50	<1.00	<0.50	3.90	<0.50	<1.00	<1.00		<0.50								
04U001		18-Apr-89	A22			<0.20	4.20	<0.20		<0.20	<0.20	<1.00	0.50	<0.20	0.20	<0.20		<0.20								
04U001		11-Jul-89	A23			<0.20	11.00	1.40		<0.20	<0.20	<1.00	4.00	<0.20	0.40	<0.20		<0.20								
04U001		11-Oct-89	A24			<0.20	2.50	<0.20		<0.20	<0.20	<1.00	0.70	<0.20	<0.20	<0.20		<0.20								
04U001		16-Jan-90	A25			<0.20	1.20	<0.20		<0.20	<0.20	<1.00	0.30	<0.20	<0.20	<0.20		<0.20								
04U001		27-Apr-90	A26			<0.50	6.70	<0.50		<0.50	<0.50	<0.50	1.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04U001		19-Jul-90	A27			<1.00	6.50	0.30		<0.50	<0.30	<1.50	1.90	<1.00	0.20	<0.20		<0.50								
04U001		07-Mar-91	A30			<1.00	4.79	<1.00	<0.50		<0.30	<1.90	1.35	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		05-Jun-91	A31			<1.00	5.20	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		04-Sep-91	A32			<1.00	5.87	<1.00	<0.50		<0.30	<1.90	1.39	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		04-Mar-92	A34	GNH 011		<1.00	9.08	<1.00	<0.50		<0.50	<1.90	1.68	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		03-Jun-92	A35	GNV 006		<1.00	3.71	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		02-Sep-92	A36	IBG 004		<1.00	21.90	<1.00		<0.50	<0.30	<1.90	4.18	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		11-Mar-93	A38	ZHB 004		<1.00	4.17	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		15-Sep-93	A40	ZKD 005		<1.00	3.47	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		07-Mar-94	A42	ZKW 005	NC	<1.00	2.80	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		07-Sep-94	A44	ZVQ 007	NA	<1.00	1.26	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	<1.00	<1.00	<3.20					
04U002		17-Nov-87	F16			<4.40	43.00	<2.40	<2.80			<7.50	8.10	<5.00	<3.60	<2.60	<5.50	<2.00	<3.10	<22.00	<9.00	<3.09	<3.39	<1.17		
04U002		18-Jan-88	A17			<0.20	220.00	8.40		4.00	<0.20	<0.20	56.40	<0.20	8.60	<0.20		<0.20								
04U002		10-May-88	A18			<0.20	179.00	4.60		2.40	<0.20	<0.20	41.00	<0.20	6.80	<0.20		<0.20								
04U002		04-Aug-88	A19			<0.20	108.00	1.00		2.10	<0.20	<0.20	25.00	<0.20	4.80	0.48		<0.20								
04U002		24-Oct-88	A20			<0.50	185.00	4.50		5.10	<0.50	<0.50	<0.50	<0.50	11.00	0.07		0.50								
04U002		12-Oct-89	A24			<1.00	110.00	5.10		28.00	<1.00	<5.00	31.00	<1.00	4.20	<1.00		<1.00								
04U002		27-Apr-90	A26			<0.50	180.00	3.60		12.00	<0.50	<0.50	34.00	<0.50	3.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04U002		08-Mar-91	A30			<1.00	91.00	2.70	1.39		<0.30	<1.90	18.30	<1.00	4.34	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U002		09-Mar-92	A34	GNK 014		<2.00	47.00	<2.00	<1.00		<1.00	<3.80	9.50	<2.00	2.70	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U002		09-Mar-93	A38	ZBZ 010		<1.00	51.10	1.14	<0.50		<0.30	<1.90	8.62	<1.00	2.90	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U002		04-Mar-94	A42	IKV 010	44113	<1.00	36.20	<1.00	1.09		<0.30	<1.90	4.51	<1.00	2.58	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		19-Nov-87	F16			<0.88	1.66	<0.49	<0.56			<1.50	1.11	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
04U003		21-Jan-88	A17			<0.20	0.81	<0.20		<0.20	<0.20	<0.20	0.20	<0.20	<0.20	<0.20		<0.20								
04U003		16-May-88	A18			<0.20	2.90	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U003		27-Jul-88	A19			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U003		26-Oct-88	A20			<0.50	4.70	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
04U003		12-Jul-89	A23			<0.20	0.40	0.30		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
04U003		17-Oct-89	A24			<0.20	0.70	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
04U003		17-Jan-90	A25			<0.20	2.80	<0.20		<0.20	<0.20	<1.00	0.70	<0.20	<0.20	<0.20		<0.20								
04U003		23-Apr-90	A26			<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04U003		18-Jul-90	A27			<1.00	<0.50	<0.30		<0.50	<0.30	<1.50	<0.50	<1.00	<0.20	<0.20		<0.50								
04U003		08-Mar-91	A30			<1.00	0.91	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		08-Mar-91	A30			<1.00	2.21	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		06-Jun-91	A31			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		04-Sep-91	A32			<1.00	1400.00	26.50	38.50		<0.30	<1.90	190.00	36.70	19.60	1.35	<1.30	3.03	<1.00	<1.00	<3.20					
04U003		10-Mar-92	A34	GNL 007		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		03-Jun-92	A35	GNV 011		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		02-Sep-92	A36	IBG 009		<1.00	<0.50	<1.00		<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		17-Mar-93	A38	IHN 006		<1.00	4.23	<1.00	<0.50		<0.30	<1.90	1.27	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		15-Sep-93	A40	ZKD 008		<1.00	1.22	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003	(4)	15-Sep-93	A40	ZKD 009		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		02-Mar-94	A42	IKT 007	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		09-Sep-94	A44	ZVU 004	211540	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
04U007		09-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
04U007		10-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U007		23-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U007		28-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U007		10-Mar-92	F34	BFR 008		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U007		14-Mar-94	F42	IUH 004	NC	<1.00	0.36	<1.00	1.41			<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
04U007	(4)	14-Mar-94	F42	IUH 010	NC	<1.00	0.51	<1.00	1.33			<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
04U012		09-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
04U012		11-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U020		07-Dec-87	F16			<88.00	1500.00	<49.00	<56.00			<150.00	210.00	<99.00	130.00	<51.00	<110.00	<41.00	<62.00	<450.00	<180.00	<150.00	<170.00	<58.00		
04U020		19-Jan-88	A17			<0.20	1525.00	100.00		45.00	<0.20	0.90	295.00	0.51	203.00	1.80		<0.20								
04U020		11-May-88	A18			<0.20	946.00	30.00		19.00	<0.20	<0.20	294.00	0.34	193.00	1.60		<0.20								
04U020		01-Aug-88	A19			<0.20	1235.00	32.00		42.00	<0.20	<0.20	314.00	<0.20	190.00	1.20		<0.20								
04U020		17-Aug-88	F19			<10.00	710.00	67.00	84.00			<19.00	130.00	<10.00		<5.00		<7.20	<10.00			<0.41	<0.87	<8.28		
04U020		25-Oct-88	A20			<0.50	460.00	29.00		19.00	<0.50	<0.50	240.00	<0.50	13.00	1.10		<0.50								
04U020		11-Oct-89	A24			<4.00	550.00	26.00		13.00	<4.00	<20.00	81.00	<4.00	88.00	<4.00		<4.00								
04U020		25-Apr-90	A26			<0.50	360.00	21.00		11.00	<0.50	<0.50	63.00	<0.50	48.00	<0.50	<0.50	<0.50	<0.50		<0.50					
04U020		14-Mar-91	A30			<10.00	120.00	<10.00	<5.00		<3.00	<19.00	18.00	<10.00	14.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U020		10-Mar-92	A34	GNL 012		<2.00	43.00	<2.00	1.40		<1.00	<3.80	4.10	<2.00	4.80	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U020		16-Mar-93	A38	ZHG 008		<2.00	56.00	<2.00	1.50		<0.60	<3.80	4.90	<2.00	5.90	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U020		04-Mar-94	A42	IKV 013	44113	<1.00	60.00	<1.00	1.80		<0.30	<1.90	3.30	<1.00	11.10	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U027		15-Jan-88	A17			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U027		10-May-88	A18			<0.20	0.29	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U027		08-Aug-88	A19			<0.20	0.34	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U027		25-Oct-88	A20			<0.50	1.40	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
04U027		11-Oct-89	A24			<0.20	<0.20	<0.20		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20		<0.20								
04U027		25-Apr-90	A26			<0.50	7.30	<0.50		<0.50	<0.50	<0.50	2.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04U027		08-Mar-91	A30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U027		13-Mar-92	A34	GNN 014		<1.00	<0.50	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U027		18-Mar-93	A38	ZHI 007		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U027		07-Mar-94	A42	IKX 009	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U077		04-Dec-87	F16			<88.00	1800.00	46.00	<56.00			<150.00	490.00	<99.00	82.00	<51.00	<110.00	<41.00	<62.00	<450.00	<180.00	<3.09	<3.39	<1.17		
04U077		19-Jan-88	A17			0.26	1900.00	160.00		20.00	<0.20	1.00	670.00	0.65	116.00	1.50		25.00								
04U077		09-May-88	A18			<4.00	1280.00	85.00		18.00	<4.00	<4.00	500.00	<4.00	103.00			8.60								
04U077		03-Aug-88	A19			<0.20	1400.00	40.00		23.00	0.25	<0.20	526.00	0.51	121.00	13.00		<0.20								
04U077		21-Oct-88	A20			<0.50	2600.00	130.00		29.00	<0.50	<0.50	1070.00	<0.50	390.00	11.00		2.00								
04U077		11-Oct-89	A24			<20.00	2400.00	200.00		<20.00	<20.00	<100.00	710.00	<20.00	73.00	<20.00		<20.00								
04U077		24-Apr-90	A26			1.40	3600.00	80.00		21.00	<0.50	<0.50	800.00	2.60	70.00	<0.50	3.30	1.90	<0.50		<0.50					
04U077		07-Mar-91	A30			<5.00	2400.00	<5.00	20.00		<1.50	<9.50	610.00	<5.00	49.00	4.10	<6.50	<3.60	<5.00	<5.00	<320.00					
04U077		05-Mar-92	A34	GNI 004		<50.00	970.00	<50.00	<25.00		<25.00	<95.00	210.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04U077		09-Mar-93	A38	ZBZ 006		<25.00	1700.00	30.00	<13.00		<7.50	<48.00	440.00	<25.00	21.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
04U077		08-Mar-94	A42	IKZ 013	46809	<25.00	540.00	<25.00	<13.00		<7.50	<48.00	57.00	<25.00	23.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
04U414		09-Jun-94	A43	ZVH 008	126780	<1.00	0.65	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U510		18-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
04U510		15-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U510		23-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U510		28-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U510		25-Mar-92	F34	BGW 017		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U510		11-Mar-94	F42	IUG 005	NC	<1.00	<0.50	<1.00	<0.50			<1.90	0.89	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U673		24-Nov-87	A16			<0.20	145.00	4.61		<0.20	<0.20	<0.20	<0.20	0.65	6.30	<0.20		15.30		<0.20		0.65	43.10	1.10	0.97	
04U673		21-Jan-88	A17			<4.00	580.00	5.10		105.00	<4.00	<4.00	<4.00	<4.00	4.30	<4.00	<4.00	38.00	<4.00	<4.00		<4.00	24.00			
04U673		16-May-88	A18			<0.20	560.00	3.30		82.00	<0.20	<0.20	0.33	0.50	5.60	<0.20		0.73								
04U673		04-Aug-88	A19			<0.20	253.00	2.10		70.00	<0.20	<0.20	1.70	0.31	5.20	<0.20		<0.20								
04U673		01-Nov-88	A20			<0.50	1700.00	<0.50		220.00	<0.50	<0.50	2.00	<0.50	13.00	<1.00		<0.50								
04U673		03-May-89	F22			<2.00	700.00	5.80	170.00			<3.80	<2.00	<2.00		<1.00		<1.40	<2.00			<0.82	<1.70	<17.00		
04U673		21-Jul-89	F23			<44.00	1200.00	<24.00	86.00			<75.00	<40.00	<50.00		<26.00		<20.00	<31.00			<150.00	<170.00	<58.00		
04U673		19-Oct-89	A24			<10.00	1100.00	<10.00		62.00	<10.00	<50.00	<10.00	<10.00	<10.00	<10.00		<10.00								
04U673		01-May-90	A26			<0.50	3100.00	6.90		53.00	<0.50	<0.50	8.10	<0.50	6.40	<0.50	<0.50	0.90	<0.50		<0.50					
04U673		11-Mar-91	A30			<100.00	990.00	<100.00	<50.00		<30.00	<190.00	<100.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04U673		11-Mar-91	M30			<20.00	940.00	<50.00		39.00	<10.00	<100.00	<20.00	<20.00	<20.00	<20.00	<20.00	<10.00	<20.00	<20.00	<50.00	<20.00	<20.00		<20.00	<20.00
04U673		17-Jun-91	M31			<4.00	410.00	<10.00		<4.00	<2.00	<20.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<10.00	<4.00	<4.00		<4.00	<4.00

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U673		12-Mar-92	A34	GNM 012		<25.00	460.00	<25.00	15.00		<12.00	<48.00	<25.00	<25.00	<20.00	<12.00	<32.00	<18.00	<25.00	<25.00	<80.00					
04U673		04-Jun-92	A35	GNW 007		<1.00	430.00	1.12	16.20		<0.30	<1.90	1.90	<1.00	1.85	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U673		08-Sep-92	A36	IBH 012		<20.00	540.00	<20.00		15.00	<6.00	<38.00	23.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U673		03-Mar-93	A38	ZBS 005		<20.00	280.00	<20.00	11.00		<6.00	<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U673		13-Sep-93	A40	ZKC 007		<5.00	190.00	<5.00	7.60		<1.50	<9.50	6.70	<5.00	<3.90	<2.50	<6.50	<3.60	7.40	<5.00	<16.00					
04U673		03-Mar-94	A42	IKR 007	44113	<10.00	270.00	<10.00	6.90		<3.00	<19.00	33.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U673		06-Jun-94	A43	IVD 006	126780	<2.00	210.00	1.20	7.20		<0.60	<3.80	2.00	<2.00	1.00	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U673		08-Sep-94	A44	IVS 012	NA	<5.00	170.00	<5.00	8.20		<1.50	<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U701		20-Jan-88	A17			<0.20	155.00	8.40		1.10	<0.20	<0.20	51.00	<0.20	5.00	<0.20		0.67								
04U701		12-May-88	A18			<0.20	411.00	6.80		<0.20	<0.20	<0.20	38.00	<0.20	5.00	<0.20		0.49								
04U701		02-Aug-88	A19			<0.20	160.00	3.00		2.00	<0.20	<0.20	42.00	<0.20	6.80	<0.20		<0.20								
04U701		21-Oct-88	A20			<0.50	80.00	5.00		4.40	<0.50	<0.50	19.00	<0.50	13.00	<1.00		<0.50								
04U701		17-Oct-89	A24			<1.00	130.00	7.80		<1.00	<1.00	<5.00	37.00	<1.00	2.30	<1.00		<1.00								
04U701		26-Apr-90	A26			<0.50	110.00	6.40		0.60	<0.50	<0.50	22.00	<0.50	2.60	<0.50	<0.50	<0.50	<0.50		<0.50					
04U701		13-Mar-91	A30			<10.00	230.00	<10.00	<5.00		<3.00	<19.00	54.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U701		05-Mar-92	A34	GNH 017		<2.00	86.00	<2.00	<1.00		<1.00	<3.80	18.00	<2.00	1.80	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U701	(4)	05-Mar-92	A34	GNH 016		<2.00	97.00	3.70	1.20		<1.00	<3.80	27.00	<2.00	4.40	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U701		08-Mar-93	A38	IBX 014		<5.00	80.00	<5.00	<2.50		<1.50	<9.50	15.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U701		09-Mar-94	A42	IUB 014	NC	<2.00	67.00	<2.00	<1.00		<0.60	<3.80	8.60	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	6.40					
04U702		20-Jan-88	A17			<0.20	97.70	4.00		0.90	<0.20	<0.20	31.60	<0.20	2.20	<0.20		<0.20								
04U702		13-May-88	A18			<0.20	200.00	5.40		1.30	<0.20	<0.20	33.00	<0.20	5.00	<0.20		<0.20								
04U702		02-Aug-88	A19			<0.20	133.00	1.60		1.40	<0.20	<0.20	38.00	<0.20	4.10	<0.20		<0.20								
04U702		25-Oct-88	A20			<0.50	100.00	2.60		1.60	<0.50	<0.50	27.00	<0.50	4.30	<1.00		<0.50								
04U702		13-Oct-89	A24			<0.20	38.00	2.20		0.30	<0.20	<1.00	11.00	<0.20	1.70	<0.20		<0.20								
04U702		26-Apr-90	A26			<0.50	69.00	1.60		0.50	<0.50	<0.50	17.00	<0.50	1.20	<0.50	<0.50	<0.50	<0.50		<0.50					
04U702		13-Mar-91	A30			<2.00	58.00	<2.00	<1.00		<0.60	<3.80	12.00	<2.00	3.20	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U702		09-Mar-92	A34	GNK 015		<2.00	69.00	<2.00	<1.00		<1.00	<3.80	13.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U702		08-Mar-93	A38	IBX 008		<2.00	56.00	<2.00	<1.00		<0.60	<3.80	8.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U702	(4)	08-Mar-93	A38	IBX 009		<2.00	60.00	<2.00	<1.00		<0.60	<3.80	9.10	<2.00	<1.60	<1.00	<2.60	<1.40	2.50	<2.00	<6.40					
04U702		08-Mar-94	A42	IUA 004	46809	<1.00	45.20	<1.00	<0.50		<0.30	<1.90	6.28	<1.00	<0.78	0.67	<1.30	<0.72	<1.00	<1.00	<3.20					
04U708		22-Jan-88	A17			<0.20	1.00	<0.20		0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U708		10-May-88	A18			<0.20	0.25	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U708		04-Aug-88	A19			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	0.24	<0.20	<0.20	<0.20		<0.20								
04U708		04-Jan-89	A21			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	1.20	<1.00	1.10	<1.00		<1.00								
04U708		12-Oct-89	A24			<0.20	8.60	0.70		<0.20	<0.20	<1.00	1.50	<0.20	1.60	<0.20		<0.20								
04U708		24-Apr-90	A26			<0.50	18.00	2.60		<0.50	<0.50	<0.50	4.20	<0.50	3.70	<0.50	<0.50	<0.50	<0.50		<0.50					
04U708		08-Mar-91	A30			<1.00	5.90	<1.00	<0.50		<0.30	<1.90	1.80	<1.00	1.15	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U708		05-Mar-92	A34	GNI 011		<1.00	28.60	<1.00	0.99		<0.50	<1.90	2.50	<1.00	3.76	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U708		12-Mar-93	A38	IHD 007		<1.00	22.50	<1.00	0.63		<0.30	<1.90	2.26	<1.00	1.76	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U708		09-Mar-94	A42	IUB 016	NC	<1.00	11.20	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	1.18	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U709		22-Jan-88	A17			<0.20	275.00	19.40		6.00	<0.20	<0.20	73.00	<0.20	32.00	0.32		7.90								
04U709		12-May-88	A18			<0.20	117.00	7.60		4.70	<0.20	<0.20	16.00	<0.20	22.00	0.47		<0.20								
04U709		08-Aug-88	A19			<0.20	100.00	7.50		7.80	<0.20	<0.20	14.00	<0.20	28.00	1.00		0.38								
04U709		26-Oct-88	A20			<0.50	95.00	5.10		7.50	<0.50	<0.50	19.00	<0.50	25.00	0.79		<0.50								
04U709		17-Oct-89	A24			<4.00	370.00	29.00		7.70	<4.00	<20.00	80.00	<4.00	51.00	<4.00		<4.00								
04U709		30-Apr-90	A26			3.00	750.00	52.00		13.00	<0.50	<0.50	140.00	<0.50	78.00	<0.50	1.00	<0.50	<0.50		<0.50					
04U709		15-Mar-91	A30			<20.00	450.00	<20.00	<10.00		<6.00	<38.00	95.00	<20.00	23.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U709		13-Mar-92	A34	GNN 011		<10.00	480.00	<10.00	<5.00		<5.00	<19.00	72.00	<10.00	13.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U709		17-Mar-93	A38	IHN 004		<10.00	270.00	<10.00	<5.00		<3.00	<19.00	20.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U709		18-Mar-93	M38			<0.20	150.00	9.50		2.30	<0.20	<1.00	19.00	<0.20	7.50	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04U709		09-Mar-94	A42	ZUG 006	NC	<5.00	180.00	<5.00	<2.50		<1.50	<9.50	18.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U711		19-Apr-89	A22			<0.20	<2.00	<0.50		0.30	<0.20	<1.00	1.40	<0.20	0.70	<0.20		<0.20								
04U711		12-Jul-89	A23			<0.20	4.40	1.10		<0.20	<0.20	<1.00	5.00	<0.20	1.40	<0.20		<0.20								
04U711		18-Oct-89	A24			<0.20	2.00	0.50		<0.20	<0.20	<1.00	2.70	<0.20	2.20	<0.20		<0.20								
04U711		17-Jan-90	A25			<0.20	2.20	0.30		<0.20	<0.20	<1.00	1.50	<0.20	1.90	<0.20		<0.20								
04U711		01-May-90	A26			<0.50	2.60	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04U711		20-Jul-90	A27			<1.00	2.00	<0.30		<0.50	<0.30	<1.50	0.60	<1.00	0.30	<0.20		<0.50								
04U711		14-Mar-91	A30			<1.00	0.97	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		07-Jun-91	A31			<1.00	0.61	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		04-Sep-91	A32			10.70	24.50	<1.00	2.64		<0.30	<1.90	5.07	<1.00	<0.78	<0.50	<1.30	4.10	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U711		05-Mar-92	A34	GNH 021		8.87	32.20	2.05	2.20		<0.50	<1.90	34.10	<1.00	1.23	<0.50	<1.30	3.20	<1.00	<1.00	<3.20					
04U711		04-Jun-92	A35	GNW 008		<1.00	0.80	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	1.42	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711	(4)	04-Jun-92	A35	GNW 009		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	1.36	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		03-Sep-92	A36	IBG 016		<1.00	2.65	<1.00		<0.50	<0.30	<1.90	2.19	<1.00	1.64	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		04-Mar-93	A38	ZBV 007		<1.00	1.95	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	1.94	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		14-Sep-93	A40	ZKC 010		<1.00	2.78	<1.00	<0.50		<0.30	<1.90	1.09	<1.00	2.12	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		14-Sep-93	M40			<0.20	3.50	<0.50		<0.20	<0.20	<1.00	1.20	<0.20	2.80	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04U711		04-Mar-94	A42	IKT 016	44113	<1.00	5.83	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	2.42	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711	(4)	04-Mar-94	A42	IKT 017	44113	<1.00	6.62	<1.00	0.55		<0.30	<1.90	1.34	<1.00	2.52	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		07-Sep-94	A44	IVS 021	NA	<1.00	4.66	<1.00	0.38		<0.30	<1.90	0.77	<1.00	2.26	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U713		06-Jan-89	A21			<1.00	27.00	<1.00		<1.00	<1.00	<1.00	7.50	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
04U713		23-Oct-89	A24			<2.00	15.00	0.70		0.30	<2.00	<10.00	3.50	<2.00	2.20	<2.00		<2.00								
04U713		30-Apr-90	A26			<0.50	5.30	<0.50		<0.50	<0.50	<0.50	1.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04U713		12-Mar-91	A30			<1.00	3.70	<1.00	<0.50		<0.30	<1.90	1.35	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U713		09-Mar-92	A34	GNK 017		<1.00	3.19	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U713		08-Mar-93	A38	IBX 011		<1.00	1.48	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U713		07-Mar-94	A42	ZKW 008	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		04-Jan-89	A21			<1.00	13.00	<1.00		<1.00	<1.00	<1.00	4.90	<1.00	<1.00	<1.00		<1.00								
04U714		18-Apr-89	A22			<0.20	19.00	<0.80		<0.20	<0.20	<1.00	2.70	<0.20	1.00	<0.20		<0.20								
04U714		12-Jul-89	A23			<0.20	13.00	1.00		0.20	<0.20	<1.00	3.10	<0.20	1.00	<0.20		<0.20								
04U714		13-Oct-89	A24			<0.20	26.00	1.10		<0.20	<0.20	<1.00	4.90	<0.20	0.60	<0.20		<0.20								
04U714		17-Jan-90	A25			<0.20	4.40	0.20		0.20	<0.20	<1.00	0.70	<0.20	1.10	<0.20		<0.20								
04U714		30-Apr-90	A26			<0.50	17.00	<0.50		<0.50	<0.50	<0.50	1.90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04U714		19-Jul-90	A27			<1.00	8.50	0.30		<0.50	<0.30	<1.50	1.10	<1.00	0.50	<0.20		<0.50								
04U714		12-Mar-91	A30			<1.00	19.30	<1.00	<0.50		<0.30	<1.90	1.59	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		06-Jun-91	A31			<1.00	14.60	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		04-Sep-91	A32			<1.00	15.90	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		04-Mar-92	A34	GNI 005		<1.00	21.40	<1.00	<0.50		<0.50	<1.90	1.56	<1.00	0.96	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		03-Jun-92	A35	GNV 010		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		02-Sep-92	A36	IBG 005		<1.00	14.30	<1.00		<0.50	<0.30	<1.90	1.39	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		11-Mar-93	A38	ZHB 006		<1.00	12.70	<1.00	<0.50		<0.30	<1.90	1.39	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714	(4)	11-Mar-93	A38	ZHB 007		<1.00	12.00	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		14-Sep-93	A40	ZKC 011		<1.00	5.61	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		07-Mar-94	A42	ZKW 006	NC	<1.00	4.53	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		07-Sep-94	A44	ZVQ 005	NA	<1.00	3.15	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
04U802		02-Dec-87	F16			<0.88	3.20	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
04U802		21-Jan-88	A17			<0.20	2.00	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U802		13-May-88	A18			<0.20	6.70	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U802		04-Aug-88	A19			<0.20	2.60	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U802		24-Aug-88	F19			<1.00	1.80	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U802		28-Oct-88	A20			<0.50	1.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.00	<1.00		<0.50								
04U802		18-Oct-89	A24			<0.20	1.40	<0.20		<0.20	<0.20	<1.00	0.60	<0.20	<0.20	<0.20		<0.20								
04U802		01-May-90	A26			<0.50	2.70	<0.50		<0.50	<0.50	<0.50	0.90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
04U802		20-Mar-91	A30			<1.00	3.06	<1.00	<0.50		<0.30	<1.90	1.75	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U802		12-Mar-92	A34	GNM 016		<1.00	2.52	<1.00	<0.50		<0.50	<1.90	1.77	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U802		17-Mar-93	A38	IHN 010		<1.00	1.05	<1.00	<0.50		<0.30	<1.90	1.47	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U802		03-Mar-94	A42	IKR 005	44113	<1.00	1.89	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U806		02-Dec-87	F16			<88.00	2500.00	110.00	<56.00			<150.00	820.00	<99.00	160.00	<51.00	<110.00	<41.00	<62.00	<450.00	<180.00					
04U806		12-May-88	A18			<0.20	1720.00	246.00		23.00	0.22	<0.20	790.00	0.52	209.00	4.00		1.50								
04U806		04-Aug-88	A19			<0.20	1720.00	105.00		32.00	<0.20	0.55	608.00	0.41	169.00	3.60		4.10								
04U806		21-Oct-88	A20			<0.50	1500.00	73.00		35.00	<0.50	<0.50	540.00	<0.50	92.00	3.50		3.70								
04U806		19-Apr-89	A22			<0.20	690.00	89.00		37.00	0.20	<1.00	130.00	<0.20	150.00	3.10		0.70								
04U806		11-Jul-89	A23			<10.00	2200.00	290.00		40.00	<10.00	<50.00	760.00		210.00	<10.00		<10.00								
04U806		16-Oct-89	A24			15.00	1400.00	170.00		17.00	<10.00	<50.00	440.00	<10.00	110.00	<10.00		24.00								
04U806		17-Jan-90	A25			<10.00	1100.00	72.00		17.00	<10.00	<50.00	300.00	<10.00	86.00	<10.00		<10.00								
04U806		23-Apr-90	A26			<0.50	2400.00	180.00		1.50	<0.50	<0.50	550.00	<0.50	120.00	<0.50	2.20	<0.50	<0.50		<0.50					
04U806		18-Jul-90	A27			<25.00	2000.00	270.00		46.00	<7.50	<38.00	680.00	<25.00	220.00	<5.00		<12.00								
04U806		11-Mar-91	A30			<200.00	3400.00	280.00	<100.00		<60.00	<380.00	1300.00	<200.00	230.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
04U806		07-Jun-91	A31			<100.00	3900.00	280.00	64.00		<3000.00	<190.00	1300.00	<100.00	300.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04U806		04-Sep-91	A32			<250.00	5600.00	<250.00	<130.00		<75.00	<480.00	1600.00	<250.00	320.00	<250.00	<650.00	<180.00	<250.00	<250.00	<800.00					
04U806	(4)	04-Sep-91	A32			<500.00	4700.00	<500.00	<250.00		<150.00	<950.00	1500.00	<500.00	<390.00	<130.00	<330.00	<360.00	<500.00	<500.00	<1600.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U806		05-Sep-91	M32			<10.00	1200.00	210.00		16.00	<5.00	<50.00	1300.00	<10.00	<10.00	<10.00	<10.00	<5.00	<10.00	<10.00	<25.00	<10.00	<10.00		<10.00	<10.00
04U806	(4)	05-Sep-91	M32			1.30	>3500	310.00		73.00	2.30	<0.50	1100.00	<1.20	81.00	19.00	<0.50	5.50	<1.00		<5.00	1.40	<1.00		<1.00	<1.00
04U806	(4)	05-Sep-91	M32			1.40	>3500	310.00		72.00	1.90	<0.50	1200.00	1.70	290.00	20.00	<0.50	5.10	<1.00		<5.00	1.50	1.80		<1.00	1.10
04U806		04-Mar-92	A34	GNH 005		<100.00	5400.00	260.00	74.00		<50.00	<190.00	1400.00	<100.00	350.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04U806		05-Jun-92	A35	GNW 014		<25.00	620.00	49.00	<12.00		<7.50	<48.00	150.00	<25.00	45.00	<12.00	<32.00	<18.00	<25.00	<25.00	<80.00					
04U806		03-Sep-92	A36	IBG 012		<50.00	6900.00	380.00		82.00	<15.00	<95.00	1400.00	<50.00	420.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04U806		03-Mar-93	A38	ZBS 008		<200.00	3200.00	300.00	120.00		<60.00	<380.00	720.00	<200.00	420.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
04U806		13-Sep-93	A40	ZKC 005		<100.00	3300.00	210.00	76.00		<30.00	<190.00	700.00	<100.00	380.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04U806		02-Mar-94	A42	IKQ 004	NC	<100.00	2300.00	140.00	65.00		<30.00	<190.00	400.00	<100.00	240.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04U806	(4)	02-Mar-94	A42	IKQ 005	NC	<100.00	2500.00	150.00	68.00		<30.00	<190.00	460.00	<100.00	250.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04U806		09-Sep-94	A44	ZVT 004	211540	<50.00	1100.00	63.00	38.00		<15.00	<95.00	88.00	<50.00	170.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04U821		30-Nov-87	F16			<44.00	950.00	<24.00	<28.00			<75.00	170.00	<50.00	<36.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00					
04U821		19-Apr-90	F26			<20.00	470.00	30.00	18.00			<38.00	60.00	<20.00	43.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U821		23-Jul-90	F27			<1.00	760.00	26.00	5.30			<1.90	130.00	<1.00	20.00	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U821		18-Sep-90	F28			<1.00	590.00	24.00	<0.50			<1.90	13.00	<1.00	19.00	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U821		21-Mar-91	F30			<1.00	490.00	<1.00	<0.50			<1.90	97.00	<1.00	<0.78	<0.50	40.00	<0.72	<1.00	<1.00	<3.20					
04U821		04-Jun-91	F31			<2.00	490.00	16.00	3.30			<3.80	89.00	<2.00	12.00	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U821		03-Sep-91	F32			<10.00	410.00	<10.00	<5.00			<19.00	59.00	<10.00	9.90	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U821		20-Mar-92	F34	BGK 014		<2.41		5.71		1.36	<1.06	<4.10	61.30	<1.52	8.12	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U821		20-Mar-92	F34	BGU 018			340.00																			
04U821		03-Jun-92	F35	BIY 010		<2.41	>50.10	9.33		<0.89	<1.06	<4.10	54.20	<1.52	6.07	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U821		03-Jun-92	F35	BJA 013			330.00																			
04U821		03-Sep-92	F36	BMH 011		<2.41	>50.10	7.61		1.14	<1.06	<4.10	41.00	<1.52	3.80	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U821		03-Sep-92	F36	BMR 003			280																			
04U821		03-Sep-92	F36	BMR 004			300																			
04U821	(4)	03-Sep-92	F36	BMH 010		<2.41	>50.10	8.82		1.11	<1.06	<4.10	43.80	<1.52	3.49	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U821		11-Mar-93	F38	IHB 009		<10.00	190.00	<10.00	<5.00			<19.00	34.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U821	(4)	11-Mar-93	F38	IHB 010		<10.00	280.00	<10.00	<5.00			<19.00	42.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U821		18-Mar-94	F42	IUP 006	57070 (6)	<5.00	140.00	5.40	<2.50			<9.50	15.00	<5.00	5.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U832		24-Nov-87	F16			<4.40	100.00	2.80	<2.80			<7.50	25.00	<5.00	<3.60	<2.60	<5.50	<2.00	<3.10	<22.00	<9.00					
04U832		16-Dec-88	A20			<1.00	65.00	<1.00		<1.00	<1.00	<1.00	18.00	<1.00	5.60	<1.00		<1.00								
04U832		25-Apr-90	F26			<1.00	69.53	3.05	<0.50			<1.90	14.73	<1.00	2.41	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832		19-Mar-91	F30			<1.00	47.60	2.10	<0.50			<1.90	7.10	<1.00	2.13	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832		25-Mar-92	F34	BGW 009		<2.41	52.50	<1.01		<0.89	<1.06	<4.10	5.63	<1.52	1.25	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U832		16-Mar-93	F38	IHG 004		<1.00	42.00	<1.00	0.72			<1.90	4.54	<1.00	1.34	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832	(4)	16-Mar-93	F38	IHG 005		<1.00	45.90	1.12	1.01			<1.90	7.88	<1.00	1.50	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832		10-Jun-94	A43	ZVI 004	126780	<1.00	49.00	2.66	0.54		<0.30	<1.90	7.93	<1.00	3.28	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832		13-Sep-94	A44	IVV 010	215473	<1.00	49.50	2.40	0.43		<0.30	<1.90	6.99	<1.00	1.91	0.73	<1.30	<0.72	<1.00	<1.00	<3.20					
04U833		08-Mar-93	F38		(5)	<1.00	150.00	4.22	0.78			<1.90	26.00	<1.00	2.11	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U833		11-May-93	F39		(5)	<5.00	100.00	<5.00	<2.50			<9.50	14.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U833		04-Mar-94	A42	IKV 004	44113	<5.00	130.00	<5.00	<2.50		<1.50	<9.50	13.00	<5.00	5.80	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U834		12-May-93	F39		(5)	<1.00	21.10	<1.00	<0.50			<1.90	1.73	<1.00	1.42	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U834		23-Mar-94	F42	IUW 012	62588	<1.00	6.65	<1.00	0.47			<1.90	<1.00	<1.00	1.71	0.33	<1.30	<0.72	<1.00	<1.00	<3.20					
04U834		24-Mar-94	M42			<0.20	18.00	1.60		1.00	<0.20	<1.00	2.50	<0.20	2.60	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	1.70		1.00	1.20
04U841		20-Oct-87	A16			<0.20	0.50	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U841		25-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
04U841		20-Mar-91	F30			<1.00	1.49	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U841		19-Mar-92	F34	BGJ 010		<2.41	8.02	<1.01		<0.89	<1.06	<4.10	1.57	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U841	(4)	19-Mar-92	F34	BGJ 008		<2.41	8.47	<1.01		<0.89	<1.06	<4.10	1.80	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U841		10-Mar-93	F38	IHA 007		<1.00	8.13	<1.00	<0.50			<1.90	1.86	<1.00	0.92	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U841	(4)	10-Mar-93	F38	IHA 008		<1.00	9.66	<1.00	<0.50			<1.90	2.38	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U841		17-Mar-94	F42	IUO 006	NC	<1.00	8.74	0.99	0.56			<1.90	2.16	<1.00	1.20	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
04U843		24-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	1.85	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
04U843		24-Aug-88	F19			<1.00	2.34	<1.00	<0.50			<1.90	4.87	<1.00		<0.50		<0.72	<1.00							
04U843		25-Apr-90	F26			<1.00	2.26	<1.00	<0.50			<1.90	6.37	<1.00	1.91	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U843		21-Mar-91	F30			<1.00	3.45	1.11	<0.50			<1.90	5.98	<1.00	1.62	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U843		20-Mar-92	F34	BGK 010		<2.41	9.50	<1.01		<0.89	<1.06	<4.10	10.70	<1.52	4.01	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U843		12-Mar-93	F38	IHE 006		<1.00	15.00	4.16	<0.50			<1.90	11.80	<1.00	4.33	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U843		18-Mar-94	F42	IUO 016	57070	<1.00	6.93	2.90	<0.50			<1.90	6.22	<1.00	3.76	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U844		03-Dec-87	F16			<44.00	950.00	<24.00	<28.00			<75.00	170.00	<50.00	<36.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00					
04U844		04-May-89	F22			<10.00	310.00	19.00	<5.00			<19.00	81.00	<10.00		<5.00		<7.20	<10.00			<4.10	<8.70	<83.00		
04U844		18-Oct-89	F24			1.05	600.00	41.00	4.76			<1.50	96.00	<0.99		1.65		0.50	<0.62			<3.09	<3.39	<1.17		
04U844		25-Apr-90	F26			<50.00	690.00	<50.00	<25.00			<95.00	130.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04U844		23-Jul-90	F27			1.79	930.00	35.00	4.84			<1.90	160.00	1.40	27.00	1.53	<1.30	1.10	<1.00	<1.00	<3.20					
04U844		17-Sep-90	F28			<1.00	1000.00	47.00	6.10			<1.90	220.00	<1.00	35.00	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U844		19-Mar-91	F30			<20.00	900.00	35.00	<10.00			<38.00	1500.00	<20.00	30.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U844	(4)	19-Mar-91	F30			<20.00	940.00	37.00	<10.00			<38.00	160.00	<20.00	32.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U844		23-Mar-92	F34	BGV 006		<2.41	>50.10	37.30		4.01	<1.06	<4.10	>50.80	<1.52	27.00	<4.63	<1.20	<1.08	<3.94	<4.47	7.41					
04U844		23-Mar-92	F34	BGW 008			860.00						130.00													
04U844		15-Mar-93	F38	IHE 014		<20.00	1100.00	30.00	<10.00			<38.00	130.00	<20.00	27.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U844	(4)	15-Mar-93	F38	IHE 015		<20.00	1100.00	32.00	<10.00			<38.00	140.00	<20.00	23.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U844		12-May-93	F39	IHT 012		<1.00	22.60	<1.00	<0.50			<1.90	1.78	<1.00	1.50	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U844		13-May-93	M39			<0.20	22.00	1.30		0.60	<0.20	<1.00	1.70	<0.20	1.90	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.30	0.70		<0.20	0.40
04U844		08-Jun-94	F43	IVF 004	124044	<20.00	710.00	35.00	<10.00			<38.00	110.00	<20.00	21.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U845		01-Dec-87	F16			<4.40	59.00	<2.40	<2.80			<7.50	<4.00	<5.00	<3.60	<2.60	<5.50	<2.00	<3.10	<22.00	<9.00					
04U845		16-Dec-88	A20			<1.00	155.00	<1.00		4.30	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04U845		04-May-89	F22			<1.00	100.00	<1.00	7.57			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	1.24	<8.28		
04U845		20-Jul-89	F23			<8.80	160.00	<4.90	<5.60			<15.00	<8.10	<9.90		<5.10		<4.10	<6.20			<30.90	<33.90	<11.70		
04U845		20-Oct-89	F24			<8.80	62.00	<4.90	15.00			<15.00	<8.10	<9.90		<5.10		<4.10	<6.20			<31.00	<34.00	<12.00		
04U845		26-Apr-90	F26			<5.00	38.00	<5.00	10.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U845		20-Mar-91	F30			<1.00	100.00	1.08	7.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U845		23-Mar-92	F34	BGV 007		<2.41	>50.10	<1.01		3.81	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	5.41					
04U845		23-Mar-92	F34	BGW 006			100.00																			
04U845		15-Mar-93	F38	IHE 010		<2.00	84.00	<2.00	2.40			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U845		08-Jun-94	A43	ZVF 009	126780	<1.00	64.00	<1.00	2.93		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U845		13-Sep-94	A44	IVW 004	215473	<1.00	70.00	<1.00	2.44		<0.30	<1.90	<1.00	<1.00	<0.78	0.59	<1.30	<0.72	<1.00	<1.00	<3.20					
04U846		25-Nov-87	F16			<0.88	22.50	1.03	<0.56			<1.50	8.54	<0.99	1.23	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
04U846		23-Aug-88	F19			<1.00	120.00	10.00	<0.50			<1.90	30.00	<1.00		<0.50		<0.72	<1.00							
04U846		28-Apr-89	F22			<1.00	4.27	<1.00	<0.50			<1.90	1.06	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
04U846		18-Jul-89	F23			<0.88	9.00	<0.49	<0.56			<1.50	1.21	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
04U846		19-Oct-89	F24			<0.88	13.70	0.82	<0.56			<1.50	1.93	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
04U846		18-Mar-91	F30			<1.00	4.05	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U846		25-Mar-92	F34	BGW 013		<2.41	57.40	<1.01		<0.89	<1.06	<4.10	9.05	<1.52	1.60	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U846	(4)	25-Mar-92	F34	BGW 014		<2.41	>50.10	1.41		<0.89	<1.06	<4.10	10.30	<1.52	1.88	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U846	(4)	26-Mar-92	F34	BGX 016		<4.80	44.00	<2.00		<1.80	<2.10	<8.20	7.20	<3.00	<1.90	<9.30	<2.40	<2.20	<7.90	<8.90	<2.80					
04U846		16-Mar-93	F38	IHG 009		<1.00	2.70	<1.00	<0.50			<1.90	1.75	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U846		21-Mar-94	F42	IUU 004	59021	<2.00	100.00	4.10	1.10			<3.80	17.00	<2.00	4.20	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U847		30-Nov-87	F16			<44.00	700.00	160.00	<28.00			<75.00	1000.00	<50.00	96.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00					
04U847		23-Aug-88	F19			<20.00	970.00	300.00	63.00			<38.00	1100.00	<20.00		<10.00		<14.00	<20.00							
04U847		03-May-89	F22			<1.00	12.00	8.02	0.60			<1.90	50.70	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
04U847		21-Jul-89	F23			<22.00	350.00	33.00	<14.00			<38.00	200.00	<25.00		<13.00		<10.00	<16.00			<3.09	4.63	4.47		
04U847		20-Oct-89	F24			<88.00	330.00	100.00	34.00			<30.00	460.00	<20.00		16.00		5.30	<12.00			<62.00	<68.00	<23.00		
04U847		26-Apr-90	F26			<20.00	1300.00	190.00	31.00			<38.00	800.00	<20.00	150.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00	<8.20	<17.00	<170.00		
04U847		20-Jul-90	F27			<1.00	460.00	64.00	11.00			<1.90	250.00	<1.00	57.00	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U847		17-Sep-90	F28			<1.00	1800.00	260.00	38.00			<1.90	1100.00	<1.00	200.00	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U847		20-Mar-91	F30			<50.00	1200.00	190.00	<25.00			<95.00	620.00	<50.00	130.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04U847	(4)	20-Mar-91	F30			<50.00	750.00	110.00	<25.00			<95.00	400.00	<50.00	79.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04U847		04-Jun-91	F31			<5.00	1800.00	25.00	32.00			<9.50	880.00	<5.00	180.00	5.90	<6.50	6.30	<5.00	<5.00	<16.00					
04U847		03-Sep-91	F32			<5.00	180.00	24.00	3.15			<9.50	200.00	<5.00	38.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U847		19-Mar-92	F34	BGJ 012		<2.41	>50.10	>50.20		29.90	<1.06	<4.10	>50.80	<1.52	>49.90	12.70	<1.20	5.92	<3.94	<4.47	3.21					
04U847		20-Mar-92	F34	BGK 018		<120.00	2100.00	150.00		<45.00	<53.00	<210.00	810.00	<76.00	180.00	<230.00	<60.00	<54.00	<200.00	<220.00	270.00					
04U847		04-Jun-92	F35	BJA 010		<2.41	>50.10	>50.20		26.40	<1.06	<4.10	>50.80	<1.52	>49.90	11.80	<1.20	5.30	<3.94	<4.47	<1.41					
04U847		04-Jun-92	F35	BJI 008			1800.00	160.00					750.00		1300.00											
04U847	(4)	04-Jun-92	F35	BJA 011		<2.41	>50.10	>50.20		27.80	<1.06	<4.10	>50.80	<1.52	>49.90	12.80	<1.20	5.61	<3.94	<4.47	2.13					
04U847	(4)	04-Jun-92	F35	BJI 009			2000.00	170.00					870.00		140.00											
04U847		03-Sep-92	F36	BMH 005		<2.41	>50.10	>50.20		19.60	<1.06	<4.10	>50.80	<1.52	>49.90	8.57	<1.20	3.08	<3.94	<4.47	<1.41					
04U847		03-Sep-92	F36	BMR 005			1650																			
04U847		03-Sep-92	F36	BNA 014			>1250.00	210					600		108											
04U847		10-Mar-93	F38	IBZ 007		<25.00	1300.00	62.00	16.00			<48.00	440.00	<25.00	120.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
04U847		10-Sep-93	F40	IKB 006		<100.00	1800.00	130.00	<50.00			<190.00	610.00	<100.00	130.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U847		17-Mar-94	F42	IUO 005	NC	<20.00	790.00	130.00	15.00			<38.00	270.00	<20.00	99.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U847		12-Sep-94	F44	IVU 010	NC (6)	<20.00	750.00	93.00	9.20			<38.00	180.00	<20.00	74.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U848		02-Dec-87	F16			<44.00	700.00	<24.00	<28.00			<75.00	<40.00	<50.00	<36.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00					
04U848		24-Aug-88	F19			<20.00	470.00	<20.00	26.00			<38.00	<20.00	<20.00		<10.00		<14.00	<20.00							
04U848		03-May-89	F22			<1.00	150.00	1.79	21.90			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	2.11	<8.28		
04U848		20-Jul-89	F23			<44.00	700.00	<24.00	<28.00			<75.00	<40.00	<50.00		<26.00		<20.00	<31.00			<150.00	<170.00	<58.00		
04U848		19-Oct-89	F24			<0.88	280.00	0.92	13.10			<1.50	0.85	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
04U848		19-Apr-90	F26			<20.00	240.00	<20.00	14.00			<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U848		19-Jul-90	F27			55.00	140.00	<1.00	7.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U848		17-Sep-90	F28			<1.00	150.00	<1.00	5.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U848		18-Mar-91	F30			<2.00	64.00	<2.00	2.80			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U848		18-Mar-92	F34	BGH 015		<2.41	22.50	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	1.87					
04U848	(4)	18-Mar-92	F34	BGH 016		<2.41	23.40	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U848		10-Mar-93	F38	IBZ 011		<1.00	26.00	<1.00	0.58			<1.90	1.52	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U848		06-Jun-94	A43	IVD 010	126780	<1.00	12.20	<1.00	0.77		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U848		15-Sep-94	A44	IVX 006	218146	<1.00	16.80	<1.00	0.63		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U849		01-Dec-87	F16			<18.00	460.00	8.20	<11.00			<30.00	85.00	<20.00	<14.00	<10.00	<22.00	<8.20	<12.00	<90.00	<36.00					
04U849		24-Aug-88	F19			<1.00	41.40	2.46	3.93			<1.90	13.90	<1.00		<0.50		<0.72	<1.00							
04U849		18-Apr-90	F26			<1.00	18.10	1.20	0.77			<1.90	4.69	<1.00	2.32	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U849		18-Mar-91	F30			<1.00	31.80	2.28	1.23		<0.30	<1.90	7.50	<1.00	3.86	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U849		25-Mar-92	F34	BGW 018		<2.41	>50.10	4.09		<0.89	<1.06	<4.10	37.70	<1.52	7.74	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U849		26-Mar-92	F34	BGX 017		<12.00	120.00	<5.10		<4.50	<5.30	<21.00	24.00	<7.60	<4.90	<23.00	<6.00	<5.40	<20.00	<22.00	10.00					
04U849		17-Mar-93	F38	IHH 005		<1.00	50.90	2.23	<0.50			<1.90	13.00	<1.00	3.65	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U849		21-Mar-94	F42	IUU 024	59021	<1.00	70.00	6.70	0.97			<1.90	25.80	<1.00	8.07	0.46	<1.30	<0.72	<1.00	<1.00	<3.20					
04U850		01-Dec-87	F16			<22.00	480.00	<12.00	<14.00			<38.00	71.00	<25.00	<18.00	<13.00	<28.00	<10.00	<16.00	<110.00	<45.00					
04U850		02-May-89	F22			<2.50	110.00	12.00	5.00			<4.80	10.00	<2.50		<1.30		<1.80	<2.50			<1.00	2.50	<21.00		
04U850		19-Jul-89	F23			<8.80	190.00	<4.90	<5.60			<15.00	17.00	<9.90		<5.10		<4.10	<6.20			<15.00	<17.00	<5.80		
04U850		19-Oct-89	F24			<0.88	180.00	3.69	2.29			<1.50	15.60	<0.99		0.98		0.27	<0.62			<3.09	<3.39	<1.17		
04U850		17-Apr-90	F26			<1.00	170.00	6.31	2.15			<1.90	23.70	<1.00	10.00	0.62	<1.30	<0.72	<1.00	<1.00	<3.20					
04U850		15-Mar-91	F30			<20.00	640.00	24.00	<10.00			<38.00	120.00	<20.00	19.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U850		26-Mar-92	F34	BGX 008		<2.41	>50.10	14.00		2.53	<1.06	<4.10	>50.80	<1.52	18.80	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U850		27-Mar-92	F34	BGY 019			490.00	<20.00				<82.00	67.00							<89.00						
04U850		18-Mar-93	F38	IHI 004		<20.00	560.00	<20.00	<10.00			<38.00	58.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U850		22-Mar-94	F42	IUU 021	62405	<25.00	910.00	35.00	<13.00			<48.00	120.00	<25.00	37.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
04U851		24-Nov-87	F16			<0.88	2.72	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
04U851		17-Apr-90	F26			<1.00	0.96	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U851		18-Mar-91	F30			<1.00	1.08	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U851		27-Mar-92	F34	BGY 011		<2.41	2.47	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U851		18-Mar-93	F38	IHI 005		<1.00	2.48	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U851		10-Jun-94	A43	ZVI 009	126780	<1.00	1.39	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U851		06-Sep-94	A44	IVS 020	NC	<1.00	1.89	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U852		24-Nov-87	F16			<0.88	3.41	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
04U852		24-Aug-88	F19			<1.00	1.18	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U852		19-Apr-90	F26			<1.00	1.85	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U852		18-Mar-91	F30			<1.00	4.67	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U852	(4)	18-Mar-91	F30			<1.00	2.24	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U852		27-Mar-92	F34	BGY 012		<2.41	1.65	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U852		23-Mar-93	F38	IHL 012		<1.00	0.75	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U852		22-Mar-94	F42	IUW 005	62588	<1.00	3.20	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U854		20-Oct-87	A16			<0.20	48.40	<0.20		2.60	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U854		13-Nov-87	A16			<0.20	50.70	0.40		3.40	<0.20	<0.20	<0.20	<0.20	0.70	<0.20		0.20								
04U854		16-Dec-88	A20			<1.00	140.00	<1.00		3.70	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04U854		04-May-89	F22			<1.00	27.30	<1.00	4.68			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	1.54	<8.28		
04U854		20-Jul-89	F23			<18.00	360.00	<9.80	<11.00			<30.00	<16.00	<20.00		<10.00		<8.20	<12.00			<62.00	<68.00	<23.00		
04U854		17-Oct-89	F24			<0.88	89.00	0.75	3.70			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	1.18		
04U854		30-Apr-90	F26			<1.00	67.00	<1.00	3.22			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U854		13-Mar-92	M34			<0.40	83.00	<1.00		5.40	<0.20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.40	<0.40	<1.00	<0.40	<0.40		<0.40	<0.40
04U854		15-Mar-93	F38	IHF 004		<5.00	70.00	<5.00	3.20			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U854		08-Jun-94	A43	ZVG 006	126780	<1.00	35.30	<1.00	2.02		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U854		14-Sep-94	A44	IVV 012	215473	<1.00	36.60	<1.00	1.57		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U855		25-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
04U855		18-Mar-91	F30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U855		25-Mar-92	F34	BGW 019		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U855		08-Mar-93	M38			<1.00	130.00	1.80		0.30	<0.20	<1.00	23.00	<1.20	1.30	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
04U855		16-Mar-93	F38	IHG 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U855		11-May-93	F39	IHT 008		<5.00	110.00	<5.00	<2.50			<9.50	14.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U855		13-May-93	M39			<0.20	110.00	5.40		1.40	<0.20	<1.00	13.00	<0.20	4.10	<0.20	<0.20	0.10	<0.20	<0.20	<0.50	<0.20	0.40		<0.20	0.30
04U855		21-Mar-94	F42	IUS 008	59021	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
04U855		08-Sep-94	A44	IVS 014	NA	<1.00	13.40	0.57	1.06		<0.30	<1.90	0.74	<1.00	4.05	0.67	<1.30	<0.72	<1.00	<1.00	<3.20					
04U859		13-Nov-87	A16			<0.20	0.30	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U859		15-Dec-88	A20			<1.00	8.50	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04U859		30-Apr-90	F26			<1.00	5.59	<1.00	1.71			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U859		19-Mar-91	F30			<1.00	5.24	<1.00	0.57			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U859		20-Mar-92	F34	BGK 012		<2.41	9.29	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U859		11-Mar-93	F38	IHB 005		<1.00	40.50	2.14	2.28			<1.90	9.31	<1.00	3.17	<0.50	<1.30	<0.72	1.73	<1.00	<3.20					
04U859		18-Mar-94	F42	IUO 014	57070	<2.00	47.00	5.20	2.60			<3.80	13.00	<2.00	5.90	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U859	(4)	18-Mar-94	F42	IUP 013	57070	<1.00	49.50	5.44	2.31			<1.90	14.10	1.03	5.78	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
04U859		09-Jun-94	A43	ZVH 005	126780	<1.00	48.90	5.57	2.54		<0.30	<1.90	14.60	<1.00	5.64	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U859		14-Sep-94	A44	IVX 004	218146	<1.00	64.00	4.88	2.29		<0.30	<1.90	15.90	<1.00	5.17	0.42	<1.30	<0.72	<1.00	<1.00	<3.20					
04U860		13-Nov-87	A16			<0.20	0.50	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U860		15-Dec-88	A20			<1.00	1.80	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04U860		19-Apr-90	F26			<1.00	2.71	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U860		20-Mar-91	F30			<1.00	1.94	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U860		24-Mar-92	F34	BGV 012		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	6.05					
04U860	(4)	24-Mar-92	F34	BGV 011		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	6.11					
04U860		10-Mar-93	F38	IBZ 012		<1.00	1.64	<1.00	<0.50			<1.90	1.75	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U860		07-Jun-94	A43	ZVF 006	126780	<1.00	0.73	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U860		15-Sep-94	A44	IVX 009	218146	<1.00	0.90	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.41	<1.30	<0.72	<1.00	<1.00	<3.20					
04U861		12-Nov-87	A16			<0.20	1.50	<0.20		<0.20	<0.20	<0.20	0.30	<0.20	1.00	<0.20		<0.20								
04U861		16-Dec-88	A20			<1.00	9.80	<1.00		<1.00	<1.00	<1.00	3.40	<1.00	<1.00	<1.00		<1.00								
04U861		30-Apr-90	F26			<1.00	2.74	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U861		25-Mar-91	F30			<1.00	8.49	<1.00	2.56			<1.90	<1.00	<1.00	<0.78	<0.50	31.70	9.67	1.08	<1.00	<3.20					
04U861		23-Mar-92	F34	BGU 010		<2.41	7.97	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.88					
04U861		12-Mar-93	F38	IHE 008		<1.00	7.22	<1.00	<0.50			<1.90	1.26	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U861		08-Jun-94	A43	ZVF 007	126780	<1.00	9.69	0.70	0.33		<0.30	<1.90	2.01	<1.00	0.84	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U861	(4)	08-Jun-94	A43	ZVF 008	126780	<1.00	10.40	0.78	0.38		<0.30	<1.90	2.18	<1.00	0.89	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U861		14-Sep-94	A44	IVV 015	215473	<1.00	8.26	<1.00	<0.50		<0.30	<1.90	0.99	<1.00	0.44	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U863		09-Jun-94	A43	ZVH 007	126780	<1.00	5.10	<1.00	0.30		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U863		14-Sep-94	A44	IVV 018	215473	<1.00	2.64	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864		26-Feb-93	A38	ZBP 005		<1.00	2.56	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864		07-Jun-94	A43	IVD 004	126780	<1.00	0.97	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864		07-Jun-94	M43			<0.20	1.70	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04U864		13-Sep-94	A44	IVV 004	215473	<1.00	1.79	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.77	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864	(4)	13-Sep-94	A44	IVV 005	215473	<1.00	1.82	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.83	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865		13-Apr-93	A39	ZHP 004		<1.00	11.40	<1.00	0.60		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865	(4)	13-Apr-93	A39	ZHP 006		<1.00	10.20	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865		10-Jun-94	A43	ZVH 009	126780	<1.00	4.87	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865		15-Sep-94	A44	IVX 010	218146	<1.00	11.90	<1.00	0.36		<0.30	<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865	(4)	15-Sep-94	A44	IVX 011	218146	<1.00	12.10	<1.00	0.38		<0.30	<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	<1.00	<1.00	<3.20					
04U866		13-Apr-93	A39	ZHP 008		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U866		09-Jun-94	A43	ZVG 008	126780	<1.00	8.76	<1.00	0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U866		15-Sep-94	A44	IVX 012	218146	<1.00	14.30	<1.00	0.35		<0.30	<1.90	<1.00	<1.00	0.54	0.27	<1.30	<0.72	<1.00	<1.00	<3.20					
04U871		20-Jun-88	A18			0.58	330.00	8.40		1.80	<0.20	<0.20	84.00	0.42	8.60	1.20		<0.20								
04U871		07-Jul-88	A19			0.29	272.00	7.80		1.60	<0.20	<0.20	70.00	<0.20	9.00	<0.20		<0.20								
04U871		23-Aug-88	F19			<10.00	420.00	32.00	<5.00			<19.00	110.00	<10.00		<5.00		<7.20	<10.00			<4.10	<8.70	<83.00		

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U871		08-Nov-88	F20			<10.00	380.00	14.00	<5.00			<19.00	110.00	<10.00		<5.00		<7.20	<10.00							
04U871		31-Jan-89	A21			<1.00	31.00	<1.00		<1.00	<1.00	<1.00	4.80	<1.00	4.50	<1.00		<1.00								
04U871		05-May-89	F22											<2.00												
04U871		08-May-89	F22			<2.00	33.00	2.50	<1.00			<3.80	5.20			<1.00		<1.40	<2.00			<0.82	<1.70	<17.00		
04U871		19-Jul-89	F23			<1.80	24.00	<0.98	<1.10			<3.00	<1.60	<2.00		<1.00		<0.82	<1.20			<6.20	10.00	2.50		
04U871		23-Oct-89	F24			<1.80	23.00	1.60	2.60			<3.00	3.20	<2.00		<1.00		<0.82	<1.20			<6.20	<6.80	<2.30		
04U871		18-Apr-90	F26			<1.00	3.37	1.69	2.36			<1.90	<1.00	<1.00	8.04	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U871		15-Mar-91	F30			<1.00	5.47	<1.00	1.26			<1.90	1.12	<1.00	5.88	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U871		27-Mar-92	F34	BGY 005		<2.41		<1.01		<0.89	<1.06	<4.10	23.80	<1.52	5.40	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U871		27-Mar-92	F34	BGZ 013			150.00																			
04U871		27-Mar-92	F34	BHB 004																		<3.09	<3.39	<1.17		
04U871		18-Mar-93	F38	IHI 009		<5.00	100.00	<5.00	<2.50			<9.50	11.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U871	(4)	18-Mar-93	F38	IHI 010		<5.00	91.00	<5.00	<2.50			<9.50	9.30	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U871		22-Mar-94	F42	IUW 017	62588	<1.00	13.70	0.60	0.34			<1.90	<1.00	<1.00	1.35	0.34	<1.30	<0.72	<1.00	<1.00	<3.20					
04U872		13-Jul-88	A19			<0.20	102.00	3.00		0.68	<0.20	<0.20	19.00	<0.20	4.30	<0.20		<0.20								
04U872		24-Aug-88	F19			<5.00	53.00	6.50	<2.50			<9.50	6.20	<5.00		<2.50		<3.60	<5.00			<2.10	170.00	<41.00		
04U872		08-Nov-88	F20			<2.00	39.00	<2.00	<1.00			<3.80	5.50	<2.00		<1.00		<1.40	<2.00							
04U872		01-Feb-89	A21			<1.00	12.00	<1.00		<1.00	<1.00	<1.00	2.30	<1.00	<1.00	<1.00		<1.00								
04U872		08-May-89	F22			<1.00	16.50	<1.00	<0.50			<1.90	2.08	<1.00		<0.50		<0.72	<1.00			<0.41	3.11	<8.28		
04U872		19-Jul-89	F23			<0.88	13.20	<0.49	<0.56			<1.50	0.89	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	2.03		
04U872		23-Oct-89	F24			<0.88	25.40	0.92	1.17			<1.50	2.09	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
04U872		18-Apr-90	F26			<1.00	14.90	<1.00	<0.50			<1.90	2.10	<1.00	0.90	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	1.14	<8.28		
04U872		14-Mar-91	F30			<1.00	27.20	0.82	<0.50			<1.90	2.73	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	1.22	<8.28		
04U872		16-Sep-91	M32			<0.20	57.00	1.30		<0.20	<0.10	<1.00	7.00	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.30		<0.20	0.30
04U872		27-Mar-92	F34	BGY 015		<2.41	10.70	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U872		27-Mar-92	F34	BHB 008																		<3.09	<3.39	<1.17		
04U872		18-Mar-93	F38	IHI 006		<1.00	14.20	<1.00	<0.50			<1.90	1.07	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U872		23-Mar-94	F42	IUW 014	62588	<1.00	34.50	1.36	0.59			<1.90	0.53	<1.00	1.66	0.36	<1.30	<0.72	<1.00	<1.00	<3.20					
04U875		20-Jun-88	A18			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
04U875		23-Aug-88	F19			<1.00	0.90	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U875		09-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			0.98	<0.87	<8.28		
04U875		07-Feb-89	A21			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04U875		19-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	1.22		
04U875		19-Oct-89	F24			<0.88	1.45	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		0.28	<0.62			<3.09	<3.39	<1.17		
04U875		18-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U875		15-Mar-91	F30			<1.00	1.06	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U875		27-Mar-92	F34	BGY 013		<2.41	6.59	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U875		27-Mar-92	F34	BHB 007																		<3.09	<3.39	<1.17		
04U875	(4)	27-Mar-92	F34	BHB 006																		<3.09	<3.39	<1.17		
04U875		19-Mar-93	F38	IHJ 005		<1.00	22.30	<1.00	<0.50			<1.90	4.25	<1.00	0.94	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U875		24-Mar-94	F42	IUV 007	63410	<1.00	12.60	0.64	<0.50			<1.90	0.90	<1.00	1.44	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U877		23-Aug-88	F19			<5.00	380.00	24.00	<2.50			<9.50	93.00	<5.00		<2.50		<3.60	<5.00			<2.10	13.00	<41.00		
04U877		10-Nov-88	F20			<10.00	180.00	<10.00	<5.00			<19.00	32.00	<10.00		<5.00		<7.20	<10.00							
04U877		08-Feb-89	A21			<1.00	38.00	1.50		<1.00	<1.00	<1.00	6.30	<1.00	2.60	<1.00		<1.00								
04U877		02-May-89	F22			<1.00	81.00	4.83	0.67			<1.90	11.10	<1.00		<0.50		<0.72	<1.00			<0.41	1.87	<8.28		
04U877		18-Jul-89	F23			<4.40	89.00	<2.40	<2.80			<7.50	8.10	<5.00		<2.60		<2.00	<3.10			<15.00	<17.00	<5.80		
04U877		19-Oct-89	F24			<0.88	95.00	2.01	1.38			<1.50	7.55	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
04U877		17-Apr-90	F26			<1.00	73.00	2.97	0.73			<1.90	10.90	<1.00	3.98	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U877		15-Mar-91	F30			<2.00	52.00	<2.00	<1.00			<3.80	7.20	<2.00	3.00	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U877		26-Mar-92	F34	BGX 015		<2.41	51.80	<1.01		<0.89	<1.06	<4.10	3.45	<1.52	1.72	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U877		17-Mar-93	F38	IHH 009		<1.00	30.80	<1.00	0.84			<1.90	2.45	<1.00	0.99	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U877		22-Mar-94	F42	IUV 005	62588	<1.00	16.70	1.11	0.88			<1.90	0.68	<1.00	1.04	0.32	<1.30	<0.72	<1.00	<1.00	<3.20					
04U879		29-Jul-88	A19			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20		<0.20		<0.20	0.39	0.24	<0.20	
04U879		01-Sep-88	F19			<1.00	1.09	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	26.60	<8.28		
04U879		08-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U879		08-Feb-89	A21			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04U879		19-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	1.50		
04U879		17-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	1.17		
04U879		18-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U879		15-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U879		26-Mar-92	F34	BGX 013		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U879		26-Mar-92	F34	BHF 006																		<3.09	<3.39	<1.17		
04U879		18-Mar-93	F38	IHI 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U879		18-Mar-93	M38			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04U879		22-Mar-94	F42	IUU 020	62588	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U879	(4)	22-Mar-94	F42	IUW 015	62588 (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U880		01-Sep-88	F19			<1.00	8.06	<1.00	<0.50			<1.90	1.43	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
04U880		10-Nov-88	F20			<1.00	16.40	<1.00	<0.50			<1.90	3.35	<1.00		<0.50		<0.72	<1.00							
04U880		06-Feb-89	A21			<1.00	4.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04U880		18-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	9.07	12.90		
04U880		19-Oct-89	F24			<0.88	1.47	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
04U880		18-Apr-90	F26			<1.00	0.77	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U880		14-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U880		26-Mar-92	F34	BGX 007		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U880		23-Mar-93	F38	IHL 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U880		24-Mar-94	F42	IUV 006	63410	<1.00	0.59	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U880	(4)	24-Mar-94	F42	IUV 012	63410	<1.00	0.89	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U881		09-Nov-88	F20			<1.00	2.70	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U881		07-Feb-89	A21			<1.00	2.30	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04U881		18-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	13.50	14.70		
04U881		18-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	6.02	2.53		
04U881		17-Apr-90	F26			<1.00	1.21	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	0.83	4.27	<8.28		
04U881		14-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U881		28-Mar-92	F34	BGZ 009		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U881		28-Mar-92	F34	BHD 007																		<3.09	30.90	<1.17		
04U881	(4)	28-Mar-92	F34	BGZ 007		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U881	(4)	28-Mar-92	F34	BGZ 010		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U881	(4)	28-Mar-92	F34	BHD 009																		<3.09	30.10	<1.17		
04U881	(4)	28-Mar-92	F34	BHD 010																		<3.09	28.20	<1.17		
04U881		23-Mar-93	F38	IHL 006		<1.00	0.89	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U881		23-Mar-94	F42	IUW 013	62588	<1.00	3.19	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
04U882		13-Sep-88	F19			<1.00	27.70	<1.00	<0.50			<1.90	6.36	<1.00		<0.50		<0.72	<1.00							
04U882		09-Nov-88	F20			<1.00	32.30	<1.00	<0.50			<1.90	7.73	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
04U882		31-Jan-89	A21			<1.00	10.00	<1.00		<1.00	<1.00	<1.00	3.20	<1.00	1.30	<1.00		<1.00								
04U882		03-May-89	F22			<1.00	12.70	1.15	<0.50			<1.90	1.50	<1.00		<0.50		<0.72	<1.00			0.82	5.80	<8.28		
04U882		17-Jul-89	F23			<0.88	15.70	<0.49	<0.56			<1.50	1.73	<0.99		<0.51		<0.41	<0.62			<3.09	6.03	1.71		
04U882		18-Oct-89	F24			<0.88	6.43	0.80	1.18			<1.50	0.96	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
04U882		17-Apr-90	F26			<1.00	7.73	<1.00	1.23			<1.90	<1.00	<1.00	1.70	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U882		14-Mar-91	F30			<1.00	1.22	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U882		16-Sep-91	M32			<0.20	8.80	<0.50		<0.20	<0.10	<1.00	1.10	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	22.00	4.20		<0.20	0.50
04U882		27-Mar-92	F34	BGZ 004		<2.41	3.84	<1.01		<0.89	<1.06	<4.10	4.64	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U882		27-Mar-92	F34	BHD 004																		<3.09	<3.39	<1.17		
04U882		19-Mar-93	F38	IHJ 006		<2.00	45.00	<2.00	<1.00			<3.80	5.80	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U882		10-Sep-93	F40	IKB 008		<1.00	32.10	<1.00	<0.50			<1.90	4.33	<1.00	0.94	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U882		23-Mar-94	F42	IUW 009	62588	<1.00	25.90	1.22	<0.50			<1.90	2.58	<1.00	1.19	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
04U882		24-Mar-94	M42			<0.20	23.00	1.90		0.50	<0.20	<1.00	3.80	<0.20	1.60	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.80	1.60		1.70	2.20
04U882		12-Sep-94	F44	IVU 011	NC	<1.00	67.00	4.95	1.39			<1.90	14.40	<1.00	11.40	0.72	<1.30	<0.72	<1.00	<1.00	<3.20					
04U883		09-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U883		08-Feb-89	A21			<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
04U883		17-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
04U883		18-Oct-89	F24			<0.88	1.47	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
04U883		17-Apr-90	F26			<1.00	0.87	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U883		14-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
04U883		17-Sep-91	M32			Obstruction in Well																				
04U883		27-Mar-92	F34	BGZ 005		<2.41	2.67	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U883		27-Mar-92	F34	BHD 005																		<3.09	<3.39	<1.17		
04U883		23-Mar-93	F38	IHL 009		<1.00	2.24	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U883		23-Mar-94	F42	IUW 011	62588	<1.00	2.49	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U883		24-Mar-94	M42			<0.20	3.30	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.20	1.00		0.50	1.10
110485		09-Jun-94	F43	IVF 007	124850	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
112344	20-Mar-94	F42	IUQ 011	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.58	<1.30	<0.72	<1.00	<1.00	<3.20					
112344 (4)	20-Mar-94	F42	IUQ 012	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1291501MW	15-Mar-94	F42	IUM 012	53384	<1.00	47.50	3.66	3.36			<1.90	35.60	<1.00	3.11	1.35	<1.30	0.69	<1.00	<1.00	<3.20					
1291501MW (4)	15-Mar-94	F42	IUM 013	53384	<1.00	51.00	4.38	3.30			<1.90	37.90	<1.00	2.99	1.27	<1.30	0.68	<1.00	<1.00	<3.20					
134318	27-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
151568	21-Mar-94	F42	IUQ 019	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.62	<1.30	<0.72	<1.00	<1.00	<3.20					
156076	18-Mar-94	F42	IUK 012	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.32	<1.30	<0.72	<1.00	<1.00	<3.20					
161432	22-Mar-94	F42	IUU 018	62588	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
1705TERRAC	22-Jan-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	11.20					
1715HILLV	25-Jan-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.96	<1.00	<1.00	<3.20					
1725OAKWD	08-Sep-93	F40	IKA 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1740PINEW	22-Jan-91	F30			<1.00	<0.50	<1.00	1.29			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1740PINEW	12-Nov-92	M37			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
1746PINEW	22-Jan-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1746PINEW	22-Jan-91	M30			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
1747HILLV	22-Jan-91	F30			<1.00	<0.50	<1.00	24.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.87	<8.28			
1754PINEWD	10-Sep-93	F40	IKA 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1758HILLVW	08-Sep-93	F40	IKA 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1783PINEW	22-Jan-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1800LOIS	22-Jan-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1831CTYRDI	22-Jan-91	M30			<0.20	1.70	<0.50		2.20	0.90	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
1831CTYRDI	08-Sep-93	F40	IKA 008		<1.00	1.21	<1.00	2.85			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
191942	30-Nov-87	F16			<22.00	210.00	<12.00	<14.00			<38.00	50.00	<25.00	<18.00	<13.00	<28.00	<10.00	<16.00	<110.00	<45.00					
200076	05-Mar-92	M34			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200076	08-Mar-93	F38	IBW 017		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
200076	22-Mar-94	F42	IUR 012	60178	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.72	<1.30	<0.72	<1.00	<1.00	<3.20					
200076	25-Mar-94	F42	IUV 015	64629	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20					
200149	21-Mar-94	F42	IUQ 021	59226	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.60	<1.00	<0.78	0.59	<1.30	<0.72	<1.00	<1.00	<3.20					
200154	31-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
200173	22-Mar-94	F42	IUR 011	60178	<1.00	3.13	<1.00	12.60		3.82	1.31	<1.00	<1.00	3.29	0.58	<1.30	<0.72	<1.00	<1.00	<3.20					
200264	25-Aug-88	F19			15.90	7.48	1.68	19.50			<1.90	15.90	1.31		<0.50		<0.72	<1.00							
200524	16-Aug-88	F19			<1.00	3.66	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		2.41	<1.00							
200524	05-Dec-90	M29			<0.20	23.00	1.20		0.30	<0.10	<0.10	3.20	<0.20	0.90	<0.20	<0.20	0.60	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200524	25-Apr-91	M31			<0.20	14.00	PP		<0.20	<0.10	<1.00	0.90	<0.20	0.40	<0.20	<0.20	0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200524	16-Sep-91	M32			<0.20	15.00	<0.50		<0.20	<0.10	<1.00	1.10	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200524	05-Mar-92	M34			<0.20	20.00	0.60		0.20	<0.10	<1.00	1.00	<0.20	0.30	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200525	25-Mar-94	F42	IUU 011	NC	<1.00	0.39	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
200803	16-Aug-88	F19			<1.00	13.50	<1.00	<0.50			<1.90	1.61	<1.00		<0.50		<0.72	<1.00							
200803	05-Dec-90	M29			<0.20	29.00	1.40		0.40	<0.10	<0.10	2.70	<0.20	1.30	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200803	25-Apr-91	M31			<0.20	22.00	0.80		<0.20	<0.10	<1.00	1.50	<0.20	0.80	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
200803		16-Sep-91	M32			<0.20	22.00	<0.50		<0.20	<0.10	<1.00	1.50	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200803		05-Mar-92	M34			<0.20	26.00	0.90		<0.20	<0.10	<1.00	1.30	<0.20	0.50	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200803		22-Apr-93	M39			<0.20	20.00	1.50		0.40	<0.20	<1.00	1.30	<0.20	0.90	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200804		22-Apr-93	M39			<0.20	20.00	1.40		0.50	<0.20	<1.00	1.70	<0.20	0.80	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200812		02-May-90	F26			<1.00	170.00	6.38	0.98			<1.90	26.10	<1.00	4.93	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
200812		23-Jul-90	F27			<1.00	100.00	4.29	0.72			<1.90	17.00	<1.00	3.47	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
200812		24-Sep-90	F28			<1.00	79.00	3.06	<0.50			<1.90	12.50	<1.00	2.53	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
200812		18-Oct-90	M29			<0.20	94.00	<5.00		<2.00	<1.00	<10.00	18.00	<2.00	<2.00	<2.00	<2.00	<1.00	<2.00	<2.00	<5.00	<2.00	<2.00		<2.00	<2.00
200812		07-Jun-91	F31																			<0.41	<0.87	<8.28		
200812		07-Jun-91	F31			<2.00	10.00	4.30	<1.00		<0.60	<3.80	19.00	<2.00	3.80	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40	<0.82	<1.70	<17.00		
200812	(4)	07-Jun-91	F31																			<0.41	<0.87	<8.28		
200812	(4)	07-Jun-91	F31			<2.00	120.00	5.20	<1.00		<0.60	<3.80	18.00	<2.00	3.80	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40	<0.82	<1.70	<17.00		
200812		25-Jul-91	M32			<0.50	77.00	PP		<0.50	<0.30	<2.50	14.00	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	<0.50	<1.30	<0.50	<0.50		<0.50	<0.50
200812		04-Sep-91	F32			<1.00	110.00	2.83	0.54			<1.90	12.40	<1.00	2.67	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
200812		28-May-92	M35			0.50	120.00	<0.50		<0.20	<0.10	<1.00	21.00	0.40	<0.20	0.50	<0.20	0.40	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200812		04-Jun-92	F35	BJA 006		<2.41	>50.10	5.15		<0.89	<1.06	<4.10	20.90	<1.52	3.25	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
200812		04-Jun-92	F35	BJB 004																		<3.09	<3.39	<1.17		
200812		04-Jun-92	F35	BJI 004			140.00																			
200812		04-Sep-92	F36	BMH 013		<2.41	>50.10	4.11		<0.89	<1.06	<4.10	13.80	<1.52	1.19	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
200812		04-Sep-92	F36	BMI 009																		<3.09	<3.39	<1.17		
200812		04-Sep-92	F36	BNA 005			100																			
200812		02-Jun-93	F39	IHV 010		<2.00	140.00	3.90	<1.00			<3.80	17.00	<2.00	4.20	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
200812		20-Jul-93	M40			<0.20	92.00	8.20		0.80	<0.20	<1.00	15.00	<0.20	3.80	0.20	<0.20	0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200812		10-Sep-93	F40	IKA 013		<5.00	80.00	<5.00	<2.50			<9.50	13.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
200812		10-Jun-94	F43	IVH 004	125865	<2.00	84.00	3.70	0.63			<3.80	11.00	<2.00	3.00	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
200812		09-Sep-94	F44	IVT 013	NC	<1.00	73.00	2.50	0.42			<1.90	6.70	<1.00	2.04	0.93	<1.30	<0.72	<1.00	<1.00	<3.20					
200814		31-Jul-89	F23			<1.80	38.00	<0.98	<1.10			<3.00	2.80	<2.00		<1.00		<0.82	<1.20			<3.09	<3.39	<1.17		
200814		30-Oct-89	F24			<1.80	46.00	2.00	2.40			<3.00	3.80	<2.00		<1.00		<0.82	<1.20			<6.20	<6.80	<2.30		
206688		23-Oct-89	F24			<0.88	8.68	0.80	<0.56			<1.50	1.72	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
206688		30-Mar-94	F42	IUX 006	67253	<1.00	13.40	0.96	<0.50		<0.30	<1.90	2.97	<1.00	1.02	0.43	<1.30	<0.72	<1.00	<1.00	<3.20					
206754		17-Mar-94	F42	IUL 007	57428	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
206756		17-Mar-94	F42	IUL 008	57428	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	<1.00	<1.00	<3.20					
206763		23-Mar-94	F42	IUT 010	60755	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
206763	(4)	23-Mar-94	F42	IUT 011	60755	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
206766		20-Mar-94	F42	IUQ 007	58963	<1.00	0.47	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.52	<1.30	<0.72	<1.00	<1.00	<3.20					
206787		24-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	39.00	<1.17		
206787		02-May-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
206787		23-Jul-90	F27			<1.00	0.99	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
206787		20-Sep-90	F28			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
206787		04-Sep-91	F32			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
206787		04-Jun-92	F35	BJA 007		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.57					
206787		04-Jun-92	F35	BJB 005																		<3.09	<3.39	<1.17		
206787		02-Jun-93	F39	IHV 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
206787		10-Sep-93	F40	IKB 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
206787		09-Jun-94	F43	IVF 008	124850	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
206791		23-Jul-90	F27			<1.00	3.84	<1.00	<0.50				<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
206792		22-Mar-94	F42	IUU 022	62588	0.87	540.00	18.70	2.51			<1.90	70.60	0.70	16.50	1.30	<1.30	0.61	<1.00	<1.00	<3.20					
206793		23-Jul-90	F27			<1.00	490.00	16.00	2.23			<1.90	68.00	<1.00	14.00	0.70	<1.30	<0.72	<1.00	<1.00	<3.20					
206793		07-Jun-91	F31			<10.00	410.00	21.00	<5.00		<3.00	<19.00	94.00	<10.00	17.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
206793		04-Jun-92	F35	BJA 004		<2.41	>50.10	25.70		1.75	<1.06	<4.10	>50.80	<1.52	14.30	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
206793		04-Jun-92	F35	BJI 007			540.00						70.00													
206793		08-Mar-93	F38	IBW 018		<5.00	560.00	13.00	2.90			<9.50	77.00	<5.00	13.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
206793		22-Mar-94	F42	IUU 023	62588	<10.00	640.00	21.00	4.50			<19.00	99.00	<10.00	22.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
206794		22-Mar-94	F42	IUU 013	62588	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
206795		22-Mar-94	F42	IUU 016	62588	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
206796		22-Mar-94	F42	IUU 014	62588	<5.00	260.00	9.20	2.40			<9.50	29.00	<5.00	10.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
206797		23-Jul-90	F27			<1.00	85.00	3.51	0.63			<1.90	15.00	<1.00	2.64	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
206797		25-Mar-91	F30			<2.50	120.00	<2.50	<1.30			<4.80	22.00	<2.50	3.20	<1.30	<3.30	<1.80	<2.50	<2.50	<8.00					
206797		25-Mar-91	M30			<0.20	56.00	6.20		1.10	<0.10	<0.10	15.00	<0.20	3.20	0.20	<0.20	0.10	<0.20	0.30	<0.50	<0.20	<0.20		<0.20	0.20
206797		26-Mar-92	F34	BGX 005		<2.41	>50.10	5.61		<0.89	<1.06	<4.10	25.10	<1.52	3.80	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
206797		27-Mar-92	F34	BGY 016			120.00																			
206797		08-Mar-93	F38	IBW 019		<2.00	270.00	8.00	1.40			<3.80	47.00	<2.00	6.30	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
206797		22-Mar-94	F42	IUU 015	62588	<5.00	190.00	8.10	<2.50			<9.50	29.00	<5.00	7.90	1.60	<6.50	<3.60	<5.00	<5.00	<16.00					
231878		23-Oct-87	A16			<0.20	49.90	<0.20		4.70	<0.20	<0.20	0.60	<0.20	<0.20	<0.20		<0.20								
233221		11-May-89	F22			<1.00	29.20	2.03	1.56			<1.90	2.17	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
233221		31-Jul-89	F23			<4.40	120.00	2.20	<2.80			<7.50	4.50	<5.00		<2.60		<2.00	<3.10			<15.00	<17.00	<5.80		
233221		30-Oct-89	F24			<4.40	46.00	4.00	5.90			<7.50	4.20	<5.00		<2.60		<2.00	<3.10			<15.00	<17.00	<5.80		
233221		02-May-90	F26			<2.00	20.00	<2.00	<1.00			<3.80	<2.00	<2.00	2.00	<1.00	<2.60	<1.40	<2.00	<2.00	6.60					
233221		01-Apr-91	F30			<1.00	8.07	<1.00	1.29			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
233222		25-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
233222		18-May-92	M35			<0.20	5.90	<0.50		<0.20	<0.10	<2.00	1.20	<0.20	1.00	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
233222		30-Jun-92	M35			<0.20	5.10	<0.50		<0.20	<0.10	<1.00	0.90	<0.20	0.50	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
233222		09-Jul-92	M36			<0.20	4.40	<0.50		<0.20	<0.10	<1.00	0.50	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
233222		06-Aug-92	F36	BKN 003		4.87	29.80	<1.01		>50.20	7.29	<4.10	<1.16	4.12	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41	<0.20	<0.20		<0.20	<0.20
233222		06-Aug-92	F36	BKN 005						24.30																
233533		30-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234301		22-Mar-94	F42	IUT 004	60755	<1.00	2.34	<1.00	0.51		<0.30	<1.90	<1.00	<1.00	0.68	0.33	<1.30	<0.72	<1.00	0.81	<3.20					
234301	(4)	22-Mar-94	F42	IUT 005	60755	<1.00	2.12	<1.00	0.44		0.31	<1.90	<1.00	<1.00	0.71	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
234306		20-Mar-94	F42	IUQ 008	58963	<1.00	0.47	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.70	<1.30	<0.72	<1.00	<1.00	<3.20					
234307		04-Feb-94	M42			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
234307		22-Mar-94	F42	IUT 008	60755	<1.00	<0.50	<1.00	<0.50		0.16	<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
234308		24-Mar-94	F42	IUS 004	63282	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.52	<1.30	<0.72	<1.00	<1.00	<3.20					
234310		20-Mar-94	F42	IUQ 010	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.58	<1.30	<0.72	<1.00	<1.00	<3.20					
234311		20-Mar-94	F42	IUQ 005	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.70	<1.30	<0.72	<1.00	<1.00	<3.20					
234312		20-Mar-94	F42	IUQ 009	58963	<1.00	0.68	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.47	<1.30	<0.72	<1.00	<1.00	<3.20					
234313		22-Mar-94	F42	IUT 007	60755	<1.00	<0.50	<1.00	<0.50		0.24	<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
234318		21-Mar-94	F42	IUQ 018	58963	<1.00	0.51	<1.00	<0.50		0.16	<1.90	0.61	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
234319		26-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
234331		20-Mar-94	F42	IUQ 006	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.59	<1.30	<0.72	<1.00	<1.00	<3.20					
234334		17-Mar-94	F42	IUK 015	57428	<1.00	6.31	<1.00	<0.50		<0.30	<1.90	1.34	<1.00	0.49	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
234335		13-Nov-87	A16			<0.20	52.30	0.50		5.00	<0.20	<0.20	0.30	<0.20	0.70	<0.20		0.50								
234335		26-Aug-88	F19			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
234335		02-May-90	F26			<1.00	140.00	<1.00	7.61			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234335		23-Jul-90	F27			<1.00	150.00	<1.00	7.30			<1.90	<1.00	<1.00	1.00	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
234337		23-Oct-87	A16			<0.20	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						*0.70*	*2.80*	*0.24*		*70.00*	*70.00*	*0.02*	*22.00*	*3.00*	*70.00*	*0.40*	*3.00*	*0.19*	*6.00*			*0.70*	*2000.00*	*440.00*		
234345		22-Mar-94	F42	IUR 006	60127	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.48	<1.30	<0.72	<1.00	<1.00	<3.20					
234350		18-Mar-94	F42	IUL 011	57428	<1.00	110.00	1.03	4.93		<0.30	<1.90	<1.00	<1.00	1.34	0.46	<1.30	<0.72	<1.00	<1.00	<3.20					
234350	(4)	18-Mar-94	F42	IUL 012	57428	<1.00	110.00	1.15	5.19		<0.30	<1.90	1.78	<1.00	1.43	0.57	<1.30	<0.72	<1.00	<1.00	<3.20					
234352		23-Sep-92	F36	IBI 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	0.93	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234352	(4)	23-Sep-92	F36	IBI 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	0.91	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234352		23-Sep-92	M36			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	2.8	<0.20	<0.20	<0.10	<0.20	<0.20	3.8	<0.20	<0.20		<0.20	<0.20
234352		07-Jun-94	F43	IVE 004	124044	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	3.16	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234352		07-Jun-94	F43	IVF 005	124044	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	3.13	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234353		12-May-89	F22			1.34	4.10	<1.00	0.66			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
234353		31-Jul-89	F23			<0.88	4.47	<0.49	0.82			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234356		25-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234356		26-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234356		20-Aug-92	M36			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
234356		21-Mar-94	F42	IUQ 013	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.58	<1.00	<0.78	0.55	<1.30	<0.72	<1.00	<1.00	<3.20					
234357		10-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	1.38	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
234357		20-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	1.05	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234357		20-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	1.35	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234357		18-Mar-94	F42	IUL 009	57428	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	0.74	0.43	<1.30	<0.72	<1.00	<1.00	<3.20					
234368		17-Mar-94	F42	IUJ 010	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
234368		17-Mar-94	F42	IUK 005	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234372		21-Mar-94	F42	IUP 015	58742	<1.00	1.58	<1.00	8.74		1.02	<1.90	<1.00	<1.00	<0.78	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
234374		20-Mar-94	F42	IUQ 004	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.58	<1.30	<0.72	<1.00	<1.00	<3.20					
234377		17-Mar-94	F42	IUI 011	56197	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234377		18-Mar-94	F42	IUK 009	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.38	<1.30	<0.72	<1.00	<1.00	<3.20					
234394		22-Mar-94	F42	IUR 008	60127	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.67	<1.30	<0.72	<1.00	<1.00	<3.20					
234421		18-Mar-94	F42	IUL 010	57428	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.56	<1.30	<0.72	<1.00	<1.00	3.29					
234425		10-May-89	F22																			<21.00	<44.00	<410.00		
234425		11-May-89	F22			<50.00	3100.00	140.00	<25.00			<95.00	810.00	<50.00		<25.00		<36.00	<50.00							
234425		10-Sep-91	M32			Dry																				
234425		12-Mar-92	M34			PP	470.00	15.00		<2.00	<1.00	<10.00	90.00	<2.00	4.50	<2.00	<2.00	<1.00	<2.00	<2.00	<5.00	<2.00	<2.00		<2.00	<2.00
234426		17-Mar-94	F42	IUI 013	56197	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.32	<1.30	<0.72	<1.00	<1.00	<3.20					
234429		21-Mar-94	F42	IUQ 016	58936	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
234430		09-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	3.21	<8.28		
234430		27-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234430		26-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234430		13-May-92	M35			0.50	0.2	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
234449		17-Mar-94	F42	IUJ 004	56197	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.36	<1.30	<0.72	<1.00	<1.00	<3.20					
234450		17-Mar-94	F42	IUI 014	56197	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.38	<1.30	<0.72	<1.00	<1.00	<3.20					
234463		08-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		0.87		<0.72	<1.00			2.00	<0.87	<8.28		
234463		03-Aug-89	F23			<0.88	1.69	<0.49	<0.56			<1.50	<0.81	<0.99		0.86		<0.41	<0.62			3.45	<3.39	<1.17		
234463		31-Oct-89	F24			<0.88	2.00	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234507		17-Mar-94	F42	IUK 006	56294	<1.00	0.70	<1.00	0.69		<0.30	<1.90	<1.00	<1.00	0.83	1.88	<1.30	<0.72	<1.00	<1.00	<3.20					
234546		02-May-90	F26			<1.00	50.00	<1.00	<0.50			<1.90	5.84	<1.00	2.19	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234546		01-Apr-91	F30			<1.00	7.23	<1.00	<0.50			<1.90	1.12	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234546		04-Jun-92	F35	BJA 005		<2.41	>50.10	1.94		<0.89	<1.06	<4.10	6.53	<1.52	1.43	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
234546		04-Jun-92	F35	BJH 003			54.00																			
234546		09-Mar-93	F38	IBY 011		<1.00	35.70	0.96	<0.50			<1.90	3.49	<1.00	1.02	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234546		02-Jun-93	F39	IHV 006		<2.00	99.00	2.80	<1.00			<3.80	12.00	<2.00	3.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
234546		25-Mar-94	F42	IUV 013	64629	<1.00	40.90	1.44	0.46			<1.90	3.78	<1.00	1.62	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
234547		10-May-89	F22			<1.00	12.20	<1.00	<0.50			<1.90	2.34	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
234547		31-Jul-89	F23			<0.88	16.10	<0.49	<0.56			<1.50	3.26	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234547		30-Oct-89	F24			<0.88	12.00	0.78	1.24			<1.50	1.54	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
234547		02-May-90	F26			<1.00	17.60	<1.00	<0.50			<1.90	3.07	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234547		01-Apr-91	F30			<1.00	8.11	<1.00	<0.50			<1.90	1.65	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234547		26-Mar-92	F34	BGX 006		<2.41	8.50	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
234547		09-Mar-93	F38	IBY 010		<1.00	15.80	<1.00	<0.50			<1.90	2.05	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234547		02-Jun-93	F39	IHV 005		<1.00	27.80	<1.00	<0.50			<1.90	2.90	<1.00	1.31	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234547		25-Mar-94	F42	IUV 014	64629	<1.00	24.50	1.14	<0.50			<1.90	1.57	<1.00	1.63	0.36	<1.30	<0.72	<1.00	1.97	<3.20					
234549		17-Mar-94	F42	IUL 005	57428	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
234571		24-Mar-94	F42	IUT 017	62685	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	2.94					
234571	(4)	24-Mar-94	F42	IUT 018	62685	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.44	<1.30	<0.72	<1.00	<1.00	3.46					
235539		26-Aug-88	F19			<1.00	1.49	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
235619		31-Jul-89	F23			<0.88	<1.10	<0.49	1.27			<1.50	<0.81	<0.99		4.34		0.27	<0.62			<3.09	<3.39	<1.17		
235619		31-Oct-89	F24			<0.88	1.90	1.31	<0.56			<1.50	<0.81	1.87		<0.51		14.00	<0.62			<3.09	<3.39	<1.17		
236122		12-Jul-88	A19			2.40	1465.00	31.00		7.70	<0.20	<0.20	400.00	1.50	33.00	2.50		0.23								
242207		17-Mar-94	F42	IUJ 009	56294	10.90	2.63	<1.00	1.10		<0.30	<1.90	0.75	<1.00	<0.78	0.55	<1.30	<0.72	<1.00	<1.00	<3.20					
242219		23-Mar-94	F42	IUR 018	61212	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	99.00	<1.30	<0.72	<1.00	<1.00	<3.20					
249003		18-Mar-94	F42	IUK 013	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.34	<1.30	<0.72	<1.00	<1.00	<3.20					
249004		22-Jan-91	F30			<1.00	0.54	<1.00	1.37			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249004		22-Jan-91	M30			<0.20	<0.10	<0.50		1.20	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
249004		20-Oct-92	M37			<0.20	<0.10	<0.50		1.40	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
249004		08-Sep-93	F40	IKA 007		<1.00	<0.50	<1.00	1.47			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249004		08-Sep-93	M40			<1.00	<0.50	<1.00	1.35			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249004		22-Mar-94	F42	IUR 007	60127	<1.00	<0.50	<1.00	1.45		<0.30	<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249134		24-Mar-94	F42	IUT 014	62685	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	1.07	<1.30	<0.72	<1.00	<1.00	<3.20					
249137		24-Mar-94	F42	IUT 015	62685	<1.00	<0.50	<1.00	<0.50		0.19	<1.90	<1.00	<1.00	<0.78	0.36	<1.30	<0.72	<1.00	<1.00	<3.20					
249137	(4)	24-Mar-94	F42	IUT 016	62685	<1.00	<0.50	<1.00	<0.50		0.38	<1.90	<1.00	<1.00	<0.78	0.33	<1.30	<0.72	<1.00	<1.00	<3.20					
249139		30-Mar-94	F42	IUX 007	67253	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
249143		21-Mar-94	F42	IUP 016	58742	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.26	<1.30	<0.72	<1.00	0.95	<3.20					
249144		25-Mar-94	F42	IUU 010	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
249145		23-Mar-94	F42	IUR 016	61190	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.70	<1.30	<0.72	<1.00	<1.00	<3.20					
249147		18-Mar-94	F42	IUK 011	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249148		25-Mar-94	F42	IUU 009	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.27	<1.30	<0.72	<1.00	<1.00	<3.20					
249149		18-Mar-94	F42	IUK 014	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.28	<1.30	<0.72	<1.00	<1.00	<3.20					
249152		21-Mar-94	F42	IUP 017	58742	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.34	<1.30	<0.72	<1.00	<1.00	<3.20					
249153		21-Mar-94	F42	IUQ 014	58963	<1.00	0.51	<1.00	<0.50		<0.30	<1.90	1.72	<1.00	0.43	0.63	<1.30	<0.72	<1.00	<1.00	<3.20					
249159		21-Mar-94	F42	IUP 014	58742	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
249160		23-Mar-94	F42	IUR 015	61190	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.56	<1.30	<0.72	<1.00	<1.00	<3.20					
249186		17-Mar-94	F42	IUJ 011	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249196		21-Mar-94	F42	IUS 012	59013	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
249199		17-Mar-94	F42	IUK 004	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	0.49	1.24	<1.30	<0.72	<1.00	<1.00	<3.20					
249200		17-Mar-94	F42	IUJ 008	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.54	<1.00	<0.78	0.36	<1.30	<0.72	<1.00	<1.00	<3.20					
249601		21-Mar-94	F42	IUQ 022	59226	<1.00	0.70	<1.00	0.39		<0.30	<1.90	<1.00	<1.00	<0.78	1.38	<1.30	<0.72	<1.00	<1.00	<3.20					
249601	(4)	21-Mar-94	F42	IUR 004	59226	11.90	0.85	<1.00	0.50		<0.30	<1.90	<1.00	<1.00	0.80	1.67	<1.30	<0.72	<1.00	<1.00	<3.20					
249603		17-Mar-94	F42	IUJ 006	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.41	<1.30	<0.72	<1.00	<1.00	<3.20					
249603	(4)	17-Mar-94	F42	IUJ 007	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.32	<1.30	<0.72	<1.00	<1.00	<3.20					
249608		18-Mar-94	F42	IUK 008	57258	<1.00	1.30	<1.00	0.85		0.69	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249630		22-Mar-94	F42	IUT 009	60755	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.28	<1.30	<0.72	<1.00	<1.00	<3.20					
249631		23-Mar-94	F42	IUT 012	60755	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
249632		17-Mar-94	F42	IUL 006	57428	<1.00	0.82	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.28	<1.30	<0.72	<1.00	<1.00	<3.20					
249635		18-Mar-94	F42	IUK 010	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.54	<1.30	<0.72	<1.00	<1.00	<3.20					
249636		17-Mar-94	F42	IUI 012	56197	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.27	<1.30	<0.72	<1.00	<1.00	<3.20					
249638		22-Mar-94	F42	IUR 010	60127	<1.00	1.32	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.43	<1.30	<0.72	<1.00	<1.00	<3.20					
249639		24-Mar-94	F42	IUS 005	63282	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.75	<1.30	<0.72	<1.00	<1.00	<3.20					
249639	(4)	24-Mar-94	F42	IUS 006	63282	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	0.53	<0.78	0.58	<1.30	1.65	<1.00	<1.00	<3.20					
249643		30-Mar-94	F42	IUX 008	67253	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.32	<1.30	<0.72	<1.00	<1.00	<3.20					
249825		21-Mar-94	F42	IUQ 015	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
405651		31-Jul-89	F23			<0.88	16.60	0.55	8.57			<1.50	1.98	<0.99		<0.51		<0.41	<0.62			<3.09	7.22	<1.17		
405651		31-Oct-89	F24			<0.88	11.30	0.89	8.60			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
405651		02-May-90	F26			<1.00	6.09	1.44	17.80			<1.90	<1.00	<1.00	4.51	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
405651		01-Apr-91	F30			<1.00	6.64	1.45	16.10		<0.40	<1.90	<1.00	<1.00	3.94	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
405651		27-Mar-92	F34	BGY 014		<2.41	5.24	<1.01		13.60	<1.06	<4.10	<1.16	<1.52	3.07	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
405651		09-Mar-93	F38	IBY 009		<1.00	3.49	0.79	15.40			<1.90	<1.00	<1.00	2.76	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
405651		02-Jun-93	F39	IHV 007		<1.00	3.05	<1.00	12.90			<1.90	<1.00	<1.00	3.10	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409546		10-May-89	F22			<1.00	0.62	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
409546		20-Jul-89	F23			<0.88	<1.10	<0.49	1.01			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	2.23		
409546		18-Oct-89	F24			<0.88	<1.10	0.77	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
409546		17-Apr-90	F26			<1.00	1.20	<1.00	<0.50			<1.90	<1.00	<1.00	1.49	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409546		18-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	1.73	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409546		25-Mar-92	F34	BGW 015		<2.41	>50.10	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	1.24	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41	<0.41	<0.87	<8.28		
409546		25-Mar-92	F34	BHE 005																						
409546		16-Mar-93	F38	IHG 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	1.64	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<3.09	5.42	<1.17		
409546		21-Mar-94	F42	IUU 007	59021	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	2.41	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		13-Nov-87	A16			<0.20	0.90	<0.20		<0.20	<0.20	<0.20	0.50	<0.20	<0.20	<0.20		<0.20								
409547		26-Apr-90	F26			<1.00	4.62	<1.00	<0.50			<1.90	1.05	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		20-Jul-90	F27			<1.00	4.17	<1.00	<0.50			<1.90	1.10	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		18-Sep-90	F28			<1.00	2.93	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		20-Mar-91	F30			<1.00	1.70	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		23-Mar-92	F34	BGU 015		<2.41	4.45	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	3.52					
409547		12-Mar-93	F38	IHE 004		<1.00	4.46	<1.00	<0.50			<1.90	1.68	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		21-Mar-94	F42	IUS 017	59021	<1.00	7.11	1.20	0.51			<1.90	3.71	<1.00	1.60	0.43	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
409547		10-Jun-94	A43	ZVH 011	126780	<1.00	5.16	0.90	0.29		<0.30	<1.90	3.79	<1.00	1.20	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		14-Sep-94	A44	IVV 016	215473	<1.00	6.96	0.81	<0.50		<0.30	<1.90	5.24	<1.00	1.19	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		10-May-89	F22			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	1.05	<8.28		
409548		20-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	2.71		
409548		18-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	1.48		
409548		17-Apr-90	F26			<1.00	1.17	<1.00	<0.50			<1.90	<1.00	<1.00	1.52	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		18-Mar-91	F30			<1.00	0.88	<1.00	<0.50			<1.90	<1.00	<1.00	1.54	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
409548		25-Mar-92	F34	BGW 016		<2.41	>50.10	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	1.91	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409548		25-Mar-92	F34	BHE 006																		<3.09	6.80	<1.17		
409548		18-Mar-93	F38	IHI 007		<1.00	1.05	<1.00	<0.50			<1.90	<1.00	<1.00	2.43	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		18-Mar-93	M38			<0.20	2.00	1.50		0.20	<0.20	<1.00	0.60	<0.20	2.40	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
409548		21-Mar-94	F42	IUU 006	59021	<1.00	2.66	0.83	<0.50			<1.90	0.77	<1.00	1.90	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548	(4)	21-Mar-94	F42	IUS 015	59021	<1.00	2.96	0.87	<0.50			<1.90	0.53	<1.00	2.22	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		09-Jun-94	A43	ZVG 009	126780	<1.00	2.80	0.85	<0.50		<0.30	<1.90	0.53	<1.00	2.35	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		16-Sep-94	A44	IVX 019	218146	<1.00	2.73	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	1.93	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
409549		17-Aug-88	F19			<1.00	220.00	10.30	7.42			<1.90	22.20	<1.00		1.12		<0.72	<1.00							
409549		18-Apr-90	F26			<5.00	200.00	8.50	<2.50			<9.50	15.00	<5.00	18.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
409549		23-Jul-90	F27			<1.00	150.00	5.60	<0.50			<1.90	25.00	<1.00	8.10	<0.50	<1.30	<0.72	<1.00	<1.00	20.00					
409549		18-Sep-90	F28			<1.00	180.00	6.70	<0.50			<1.90	37.00	<1.00	5.60	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409549		18-Mar-91	F30			<5.00	120.00	<5.00	<2.50		<1.50	<9.50	21.00	<5.00	6.80	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
409549		05-Jun-91	F31			<1.00	190.00	7.49	1.24			<1.90	41.10	<1.00	6.64	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409549	(4)	05-Jun-91	F31			<5.00	190.00	9.20	<2.50			<9.50	42.00	<5.00	6.80	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
409549		18-Jun-91	F31			<5.00	120.00	<5.00	<2.50		<1.50	<9.50	21.00	<5.00	6.80	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
409549		03-Sep-91	F32			<2.00	84.00	<2.00	<1.00			<3.80	15.60	<2.00	2.40	<1.00	<2.60	<1.44	<2.00	<2.00	<6.40					
409549		26-Mar-92	F34	BGX 011		<2.41	>50.10	5.34		<0.89	<1.06	<4.10	42.40	<1.52	5.59	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409549	(4)	26-Mar-92	F34	BGX 010		<2.41	>50.10	6.21		<0.89	<1.06	<4.10	43.90	<1.52	6.06	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409549		27-Mar-92	F34	BGY 017			180.00	<10.00				<41.00								<45.00						
409549		27-Mar-92	F34	BGY 018			170.00									<46.00		<11.00								
409549		04-Jun-92	F35	BJA 012		<2.41	>50.10	6.26		<0.89	<1.06	<4.10	42.70	<1.52	5.24	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409549		04-Jun-92	F35	BJI 005			180.00																			
409549	(4)	04-Sep-92	F36	BMH 014		<2.41	>50.10	4.65		<0.89	<1.06	<4.10	27.20	<1.52	1.95	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409549		17-Mar-93	F38	IHH 006		<1.00	120.00	2.85	0.77			<1.90	21.70	<1.00	3.92	0.51	<1.30	<0.72	<1.00	<1.00	<3.20					
409549		21-Mar-94	F42	IUS 011	59021	<1.00	91.00	6.36	1.09			<1.90	22.50	<1.00	6.60	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409550		10-May-89	F22			<2.00	78.00	11.00	2.00			<3.80	47.00	5.60		<1.00		<1.40	<2.00			<0.82	<1.70	<17.00		
409550		20-Oct-89	F24			<4.40	110.00	8.60	6.40			<7.50	35.00	12.00		<2.60		<2.00	<3.10			<15.00	<17.00	18.00		
409550		24-Apr-90	F26			<1.00	220.00	18.00	4.10			<1.90	83.00	7.30	23.00	1.50	<1.30	<0.72	<1.00	<1.00	8.20					
409550		20-Jul-90	F27			<1.00	260.00	19.00	<0.50			<1.90	86.00	3.55	23.00	0.71	<1.30	<0.72	<1.00	<1.00	<3.20					
409550		18-Sep-90	F28			2.91	940.00	55.80	6.63			<1.90	400.00	3.15	34.60	1.15	<1.30	1.90	<1.00	2.50	3.40					
409550		21-Mar-91	F30			<50.00	1600.00	76.00	<25.00			<95.00	620.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
409550		12-Sep-91	M32			<40.00	3200.00	<100.00		<40.00	<20.00	<200.00	1200.00	<40.00	<40.00	<40.00	<40.00	<20.00	<40.00	<40.00	<100.00	<40.00	<40.00		<40.00	<40.00
409550		19-Mar-92	F34	BGJ 016		<2.41	>50.10	1.62		<0.89	<1.06	<4.10	19.90	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	2.17					
409550		20-Mar-92	F34	BGK 016		<120.00	2400.00	<51.00		<45.00	<53.00	<210.00	530.00	<76.00	<49.00	<230.00	<60.00	<54.00	<200.00	<220.00	240.00					
409550		10-Mar-93	F38	IBZ 008		<50.00	2300.00	<50.00	<25.00			<95.00	570.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
409550		10-Sep-93	F40	IKB 007		<100.00	2800.00	<100.00	<50.00			<190.00	690.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
409550	(4)	10-Sep-93	F40	IKD 004		26.30	2800.00	68.80	8.15			<1.90	750.00	2.03	33.10	3.05	2.70	1.17	<1.00	6.40	<3.20					
409550		17-Mar-94	F42	IUP 005	NC (6)	31.00	1800.00	81.00	<25.00			<95.00	430.00	<50.00	46.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
409550		12-Sep-94	F44	IVU 012	NC	<50.00	1800.00	54.00	<25.00			<95.00	280.00	<50.00	46.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
409555		17-Aug-88	F19			<1.00	1.04	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
409555		19-Mar-93	F38	IHJ 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409555		22-Mar-94	F42	IUV 004	62588	<1.00	11.70	<1.00	<0.50			<1.90	1.11	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409556		10-May-89	F22			<1.00	1.53	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			2.28	3.07	<8.28		
409556		21-Jul-89	F23			<0.88	1.42	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
409556		17-Oct-89	F24			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
409556		17-Apr-90	F26			<1.00	0.98	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409556		18-Mar-91	F30			<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409556	(4)	18-Mar-91	F30			<1.00	0.58	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409556		26-Mar-92	F34	BGX 014		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409556		28-Oct-93	F41	FLY 004																		<0.41	<0.87	<8.28		
409556		28-Oct-93	F41	IKJ 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.87	<1.00	<1.00	<3.20					
409556		09-Nov-93	M41			<1.00	0.70	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
409556		12-Jan-94	M42			<1.00	<0.50	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
409556		23-Mar-94	F42	IUX 004	62588	<1.00	3.70	<1.00	<0.50			<1.90	0.71	<1.00	<0.78	0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
409556		23-Mar-94	M42			<1.00	1.70	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
409557		13-Nov-87	A16			<0.20	0.50	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20								
409557		04-May-89	F22			<1.00	0.62	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
409557		21-Jul-89	F23			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	3.21		
409557		27-Oct-89	F24			<0.88	1.40	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
409557		26-Apr-90	F26			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409557		20-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409557		20-Mar-92	F34	BGK 015		<2.41	9.29	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	1.83					
409557		12-Mar-93	F38	IHC 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409557		21-Mar-94	F42	IUS 016	59021	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409557		10-Jun-94	A43	ZVH 010	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	1.52					
409557		14-Sep-94	A44	IVV 017	215473	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409595		30-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
409596		30-Nov-87	F16			<0.88	2.30	0.61	<0.56			<1.50	6.49	<0.99	2.07	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
409596		25-Apr-90	F26			<1.00	0.56	1.21	<0.50			<1.90	<1.00	<1.00	3.41	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409596		29-Mar-91	F30			<1.00	4.43	1.71	<0.50		<0.30	<1.90	3.79	<1.00	2.99	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409596	(4)	29-Mar-91	F30			<1.00	6.61	2.35	<0.50		<0.30	<1.90	5.83	<1.00	3.46	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409596		23-Mar-92	F34	BGU 005		<2.41	10.20	2.62		<0.89	<1.06	<4.10	5.85	<1.52	2.89	<4.63	<1.20	<1.08	<3.94	<4.47	3.11					
409596		15-Mar-93	F38	IHF 005		<1.00	14.40	1.82	0.58			<1.90	5.77	<1.00	2.76	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409596		18-Mar-94	F42	IUP 009	57070	<1.00	15.50	3.07	0.76			<1.90	2.92	<1.00	3.68	0.58	<1.30	<0.72	<1.00	<1.00	<3.20					
409597		30-Nov-87	F16			<18.00	250.00	<10.00	<11.00			<30.00	58.00	<20.00	<14.00	<10.00	<22.00	<8.20	<12.00	<90.00	<36.00					
409597		25-Apr-90	F26			<1.00	123.93	9.05	3.25			<1.90	8.19	<1.00	17.49	0.74	<1.30	<0.72	<1.00	<1.00	<3.20					
409597		29-Mar-91	F30			<5.00	200.00	12.00	<2.50		<7.50	<9.50	33.00	<5.00	14.00	<2.50	<6.50	<3.60	<5.00	<5.00	23.00					
409597	(4)	29-Mar-91	F30			<5.00	200.00	11.00	<2.50		<7.50	<9.50	29.00	<5.00	14.00	<2.50	<6.50	<3.60	<5.00	<5.00	16.00					
409597		23-Mar-92	F34	BGU 006		<2.41		7.49		<0.89	<1.06	<4.10	28.20	<1.52	7.61	<4.63	<1.20	<1.08	<3.94	<4.47	3.29					
409597		23-Mar-92	F34	BGW 005			1200.00																			
409597		15-Mar-93	F38	IHE 016		<5.00	200.00	11.00	<2.50			<9.50	32.00	<5.00	11.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
409597		18-Mar-94	F42	IUP 010	57070	<1.00	330.00	19.10	2.98			<1.90	68.60	1.18	18.40	1.11	<1.30	<0.72	<1.00	<1.00	<3.20					
409598		30-Nov-87	F16			<88.00	1300.00	<49.00	<56.00			<150.00	230.00	<99.00	<72.00	<51.00	<110.00	<41.00	<62.00	<450.00	<180.00					
409598		23-Mar-92	F34	BGU 007		<2.41	>50.10	48.30		5.39	<1.06	<4.10	>50.80	<1.52	34.50	<4.63	<1.20	<1.08	<3.94	<4.47	4.74					
409598		23-Mar-92	F34	BGW 007			860.00						120.00													
437758		22-Mar-94	F42	IUT 006	60755	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
480785		21-Mar-94	F42	IUQ 017	58936	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
500691		17-Oct-89	F24			<0.88	2.13	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	1.82		
500691		19-Apr-90	F26			<1.00	2.91	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
500691		20-Jul-90	F27			<1.00	1.64	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
500691		18-Sep-90	F28			<1.00	4.29	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
500691		18-Mar-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
500691		28-Mar-92	F34	BGZ 012		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
500691		23-Mar-93	F38	IHL 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
500691		16-Sep-94	A44	IVX 018	218146	<1.00	1.90	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
508115		18-Oct-89	F24			<0.88	1.57	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
508115		19-Apr-90	F26			<1.00	1.35	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
508115		20-Jul-90	F27			<1.00	5.48	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
508115		18-Sep-90	F28			<1.00	3.74	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
508115		18-Mar-91	F30			<1.00	1.05	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
508115		28-Mar-92	F34	BGZ 011		<2.41	6.08	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
508115		17-Mar-93	F38	IHH 010		<1.00	4.13	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
509052		22-Mar-94	F42	IUR 013	60178	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	1.41	<0.78	0.58	<1.30	20.40	<1.00	<1.00	<3.20					
509083		22-Mar-94	F42	IUU 017	62588	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
512761		20-Jul-93	M40			<0.20	100.00	8.90		1.00	<0.20	<1.00	18.00	<0.20	4.60	0.30	<0.20	0.20	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
512761		09-Sep-93	F40	IKA 010		<5.00	140.00	<5.00	<2.50			<9.50	20.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
512761		10-Jun-94	F43	IVH 005	125865	<2.00	90.00	4.10	0.74			<3.80	11.00	<2.00	3.20	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
520931		18-Apr-94	A43	ZUZ 004	NC	<1.00	6.83	<1.00	0.35		<0.30	<1.90	5.50	<1.00	<0.78	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		03-May-94	A43	IVA 004	NC	<1.00	6.73	<1.00	0.40		<0.30	<1.90	<1.00	<1.00	<0.78	0.54	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		07-Jun-94	A43	IVD 016	126780	<1.00	9.11	<1.00	0.46		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931	(4)	07-Jun-94	A43	ZVF 004	126780	<1.00	9.21	<1.00	0.46		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	1.64					
520931		07-Jun-94	M43			<0.20	9.30	<0.50		0.80	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
520931		05-Jul-94	A44	ZVJ 004	NC	<1.00	13.40	<1.00	0.51		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		02-Aug-94	A44	ZVL 008	NC	<1.00	15.10	<1.00	0.53		<0.30	<1.90	0.85	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		06-Sep-94	A44	IVS 018	NC	<1.00	16.80	<1.00	0.51		<0.30	<1.90	0.58	<1.00	0.55	1.02	<1.30	<0.72	<1.00	<1.00	<3.20					
520931	(4)	06-Sep-94	A44	IVS 019	NC	<1.00	16.10	<1.00	0.50		<0.30	<1.90	0.68	<1.00	0.56	1.19	<1.30	<0.72	<1.00	<1.00	<3.20					
5553SCHUT		22-Jan-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
5589FAIRV		1-Aug-91	M32			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
5589FAIRV		25-Jan-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.01	<1.00	<1.00	<3.20					
5592SCHUT		12-Nov-92	M37			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
5592SCHUT		08-Sep-93	F40	IKA 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
5592SCHUT		08-Sep-93	M40			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
5592SCHUT		08-Sep-93	M40			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
BEAULIEU		29-Jun-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BIG TEN		16-Apr-93	M39			<0.20	2.50	0.60		<0.20	<0.20	<1.00	0.80	<0.20	1.10	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BIG TEN		20-May-93	M39			<0.20	3.00	<0.50		<0.20	<0.20	<1.00	1.00	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BIG TEN		14-Sep-93	M40			<0.20	2.20	<0.50		<0.20	<0.20	<1.00	1.90	<0.20	2.40	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BOCH,IN		08-Sep-93	M40			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BOCH,OUT		08-Sep-93	M40			<0.20	10.00	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BOYLE		18-Oct-89	F24			<0.88	1.43	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
BOYLE		20-Oct-89	F24																							
E101MW		15-Mar-94	F42	IUM 006	53384	<1.00	0.32	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
E102MW		15-Mar-94	F42	IUM 008	53384	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
E102MW	(4)	15-Mar-94	F42	IUM 011	53384	0.72	0.38	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
E103MW		15-Mar-94	F42	IUM 009	53384	<1.00	0.36	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
GAFFY		20-Oct-92	M37			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
GAFFY		08-Sep-93	M40			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
I01MW		11-Mar-94	A42	ZUG 004	49735	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	3.55	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
JNSN FILT		23-Jun-93	M39			<0.20	28.00	1.60		0.30	<0.20	<1.00	1.00	<0.20	1.60	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
J.GRUNDN		29-Jun-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
K01MW		01-Mar-94	A42	IKP 008	39039	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
K02MW		01-Mar-94	A42	IKQQ 007	39039	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
K04MW		01-Mar-94	A42	IKP 009	39039	<1.00	16.80	<1.00	1.47		<0.30	<1.90	<1.00	<1.00	6.80	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
L.GRUNDN		29-Jun-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
MARTIN		20-Oct-92	M37			<0.20	1.40	<0.50		3.20	0.90	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	<0.20		<0.20	<0.20
MARTIN		08-Sep-93	M40			<1.00	1.13	<1.00	2.62			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
MEYER		20-Oct-92	M37			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
MEYER		08-Sep-93	M40			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
MNDOT	07-Nov-88	F20			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
MNDOT	01-Apr-91	F30			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
MW15H	09-Jun-94	A43	ZVH 004	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
MW15H	16-Sep-94	A44	IVX 016	218146	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PECK	29-Jun-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
PJ#003	19-Nov-87	F16			<0.88	6.83	<0.49	<0.56			<1.50	0.85	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
PJ#003	19-Mar-91	A30			<1.00	0.70	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#003	10-Mar-92	A34	GNL 008		<1.00	0.83	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#003	17-Mar-93	A38	IHN 007		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#003	02-Mar-94	A42	IKT 009	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#027	20-Nov-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
PJ#074	03-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
PJ#074	19-Aug-88	F19			<1.00	7.99	<1.00	<0.50			<1.90	1.99	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
PJ#309	18-Nov-88	A20			<0.50	337.00	6.70		3.70	<0.50	<0.50	138.00	<0.50	18.00	3.00		<0.50								
PJ#309	16-Mar-89	A21			<1.00	200.00	13.00		6.30	<1.00	<1.00	63.00	<1.00	22.00	<1.00		<1.00								
PJ#309	20-Apr-89	A22			<0.20	320.00	13.00		4.00	<0.20	<1.00	45.00	<0.20	19.00	<0.20		0.50								
PJ#309	19-Jul-89	A23			<1.00	190.00	22.00		5.30	<1.00	<5.00	48.00	<1.00	20.00	<1.00		<1.00								
PJ#309	23-Oct-89	A24			<2.00	270.00	21.00		4.10	<2.00	<10.00	68.00	<2.00	28.00	<2.00		<2.00								
PJ#309	18-Jan-90	A25			<2.00	260.00	21.00		7.70	<2.00	<10.00	68.00	<2.00	37.00	<2.00		<2.00								
PJ#309	08-May-90	A26			<0.50	280.00	15.00		5.30	<0.50	<0.50	52.00	<0.50	18.00	<0.50	<0.50	<0.50	<0.50		2.90					
PJ#309	13-Jul-90	A27			<2.50	250.00	23.00		8.40		<3.80	57.00	<2.50	30.00	<0.50	<0.80	<1.20	<0.50		4.00					
PJ#309	19-Dec-90	A29			<1.00	223.18	<1.00	<0.50			<1.90	36.46	<1.00	18.12	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#309	19-Mar-91	A30			<5.00	260.00	12.00	4.20		<1.50	<9.50	51.00	<5.00	19.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
PJ#309	05-Jun-91	A31			<10.00	300.00	18.00	5.40		<3.00	<19.00	61.00	<10.00	22.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#309	05-Sep-91	A32			<10.00	260.00	<10.00	<5.00		<3.00	<19.00	47.00	<10.00	15.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#309	04-Dec-91	A33	GNB 006		<10.00	210.00	<10.00	<5.00		<3.00	<19.00	48.00	<10.00	14.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#309	06-Mar-92	A34	GNJ 010		<5.00	160.00	<5.00	<2.50		<2.50	<9.50	28.00	<5.00	10.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
PJ#309	05-Jun-92	A35	GNX 013		<5.00	140.00	5.90	<2.50		<1.50	<9.50	24.00	<5.00	8.40	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
PJ#309	01-Sep-92	A36		(5)	<1.00	150	5.69	2.04			<1.90	27.3	<1.00	9.73	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#309	03-Mar-93	A38	ZBT 015		<2.00	130.00	4.30	2.10		<0.60	<3.80	18.00	<2.00	7.40	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
PJ#309	15-Sep-93	A40	IKE 007		<2.00	110.00	3.00	1.40		<0.60	<3.80	17.00	<2.00	6.30	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
PJ#309	03-Mar-94	A42	IKS 018	44113	<1.00	92.00	2.50	0.84		<0.30	<1.90	11.20	<1.00	4.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#309	07-Sep-94	A44	IVR 013	NA	<1.00	73.00	2.63	0.97		<0.30	<1.90	8.16	<1.00	3.69	0.86	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#310	16-Mar-89	A21			<1.00	470.00	38.00		10.00	<1.00	<1.00	180.00	<1.00	48.00	5.40		<1.00								
PJ#310	20-Apr-89	A22			<0.20	700.00	47.00		8.20	<0.20	<1.00	150.00	0.20	30.00	0.60		0.40								
PJ#310	19-Jul-89	A23			<2.00	480.00	74.00		11.00	<2.00	<10.00	240.00	<2.00	46.00	<2.00		<2.00								
PJ#310	11-Oct-89	A24			<2.00	560.00	63.00		5.60	<2.00	<10.00	220.00	<2.00	35.00	<2.00		<2.00								
PJ#310	19-Jan-90	A25			<0.20	630.00	46.00		9.80	<0.20	<1.00	230.00	<0.20	47.00	<0.20		<0.20								
PJ#310	08-May-90	A26			<0.50	500.00	36.00		6.70	<0.50	<0.50	140.00	<0.50	24.00	0.60	<0.50	<0.50	<0.50		3.40					
PJ#310	13-Jul-90	A27			<10.00	690.00	65.00		10.00		<15.00	240.00	<10.00	54.00	<2.00	<3.00	<5.00	<2.00							
PJ#310	19-Dec-90	A29			<1.00	606.22	27.30	<0.50			<1.90	160.66	<1.00	33.72	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#310	19-Mar-91	A30			<20.00	580.00	26.00	<10.00		<6.00	<38.00	160.00	<20.00	25.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
PJ#310	06-Jun-91	A31			<20.00	470.00	35.00	<10.00		<6.00	<38.00	120.00	<20.00	23.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
PJ#310	05-Sep-91	A32			<25.00	590.00	<25.00	<13.00		<7.50	<48.00	140.00	<25.00	21.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
PJ#310	04-Dec-91	A33	GNB 007		<20.00	520.00	<20.00	<10.00		<6.00	<38.00	140.00	<20.00	25.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
PJ#310	06-Mar-92	A34	GNJ 008		<20.00	520.00	<20.00	<10.00		<10.00	<38.00	120.00	<20.00	25.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
PJ#310	05-Jun-92	A35	GNX 015		<10.00	540.00	23.00	6.10		<3.00	<19.00	110.00	<10.00	25.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#310	01-Sep-92	A36		(5)	<50.00	650	<50.00	<25.00			<95.00	220	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
PJ#310	03-Mar-93	A38	ZBT 017		<10.00	580.00	26.00	9.20		<3.00	<19.00	150.00	<10.00	31.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#310	15-Sep-93	A40	IKF 013		<10.00	480.00	21.00	6.00		<3.00	<19.00	130.00	<10.00	22.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#310	03-Mar-94	A42	IKU 005	44113	<20.00	450.00	<20.00	<10.00		<6.00	<38.00	180.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
PJ#310	07-Sep-94	A44	IVR 015	NA	<10.00	380.00	15.00	4.20		<3.00	<19.00	71.00	<10.00	15.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#311	16-Mar-89	A21			<5.00	150.00	<5.00		<5.00	<5.00	<5.00	36.00	<5.00	<5.00	<5.00		<5.00								
PJ#311	20-Apr-89	A22			<0.20	82.00	3.30		0.40	<0.20	<1.00	16.00	<0.20	1.10	<0.20		<0.20								
PJ#311	19-Jul-89	A23			<0.40	67.00	5.00		0.60	<0.40	<2.00	21.00	<0.40	1.10	<0.40		<0.40								
PJ#311	24-Oct-89	A24			<0.40	52.00	3.20		<0.40	<0.40	<2.00	15.00	<0.40	<0.40	<0.40		<0.40								

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
PJ#311		19-Jan-90	A25			<0.40	47.00	1.40		<0.40	<0.40	<2.00	13.00	<0.40	0.90	<0.40		<0.40								
PJ#311		08-May-90	A26			<0.50	17.00	<0.50		<0.50	<0.50	<0.50	4.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50					
PJ#311		13-Jul-90	A27			<1.00	30.00	1.90		<0.50		<1.50	8.40	<1.00	0.60	<0.20	<0.30	<0.50	<0.20		<1.00					
PJ#311		19-Dec-90	A29			<1.00	30.90	<1.00	<0.50			<1.90	5.81	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		19-Mar-91	A30			<1.00	24.80	<1.00	<0.50		<0.30	<1.90	58.70	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		06-Jun-91	A31			<1.00	24.80	<1.00	<0.50		<0.30	<1.90	4.88	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311	(4)	06-Jun-91	A31			<1.00	25.00	<1.00	<0.50		<0.30	<1.90	4.96	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		05-Sep-91	A32			<1.00	25.10	<1.00	<0.50		<0.30	<1.90	4.68	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		04-Dec-91	A33	GNB 008		<1.00	25.40	<1.00	1.02		<0.30	<1.90	6.69	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		06-Mar-92	A34	GNK 011		<1.00	25.20	<1.00	<0.50		<0.50	<1.90	4.97	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		05-Jun-92	A35	GNY 007		<1.00	23.60	<1.00	<0.50		<0.30	<1.90	4.14	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		01-Sep-92	A36		(5)	<1.00	19.5	<1.00	<0.50			<1.90	5.43	<1.00	<0.78	<0.50	<1.30	<0.72	1.33	<1.00	<3.20					
PJ#311		03-Mar-93	A38	ZBT 009		<1.00	19.60	<1.00	<0.50		<0.30	<1.90	4.24	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		15-Sep-93	A40	IKE 009		<1.00	21.70	<1.00	<0.50		<0.30	<1.90	4.47	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		03-Mar-94	A42	IKU 006	44113	<1.00	19.20	<1.00	<0.50		<0.30	<1.90	4.02	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		07-Sep-94	A44	IVS 005	NA	<1.00	22.60	0.64	<0.50		<0.30	<1.90	3.05	<1.00	<0.78	0.78	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		16-Mar-89	A21			<1.00	18.00	<1.00		<1.00	<1.00	<1.00	3.30	<1.00	<1.00	<1.00		<1.00								
PJ#313		20-Apr-89	A22			<0.20	27.00	<1.00		<0.20	<0.20	<1.00	2.90	<0.20	0.90	<0.20		<0.20								
PJ#313		19-Jul-89	A23			<0.20	25.00	2.10		<0.20	<0.20	<1.00	7.70	<0.20	0.50	<0.20		0.40								
PJ#313		23-Oct-89	A24			<0.20	15.00	0.60		<0.20	<0.20	<1.00	3.00	<0.20	0.40	<0.20		<0.20								
PJ#313		19-Jan-90	A25			<0.20	14.00	0.30		<0.20	<0.20	<1.00	2.50	<0.20	0.40	<0.20		<0.20								
PJ#313		08-May-90	A26			<0.50	17.00	<0.50		<0.50	<0.50	<0.50	1.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		2.70					
PJ#313		13-Jul-90	A27					<0.30		<0.50		<1.50	1.90	<1.00	<0.20	<0.20	<0.30	<0.50	<0.20		1.40					
PJ#313		19-Dec-90	A29			<1.00	10.30	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		19-Mar-91	A30			<1.00	9.12	<1.00	<0.50		<0.30	<1.90	1.18	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		05-Jun-91	A31			<1.00	6.97	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		05-Sep-91	A32			<1.00	20.30	<1.00	1.33		<0.30	<1.90	<1.00	<1.00	2.20	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		04-Dec-91	A33	GNB 011		<1.00	7.55	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313	(4)	04-Dec-91	A33	GNB 010		<1.00	7.64	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		06-Mar-92	A34	GNJ 006		<1.00	5.76	<1.00	<0.50		<0.50	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		05-Jun-92	A35	GNX 020		<1.00	5.78	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		01-Sep-92	A36		(5)	<1.00	5.69	<1.00	<0.50			<1.90	1.86	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		03-Mar-93	A38	ZBT 011		<1.00	4.95	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		15-Sep-93	A40	IKE 011		<1.00	4.17	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		03-Mar-94	A42	IKU 007	44113	<1.00	4.47	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		07-Sep-94	A44	IVS 007	NA	<1.00	3.84	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.91	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#318		24-Aug-88	F19			<1.00	4.26	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
PJ#318		09-Nov-88	F20			<1.00	3.20	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
PJ#318		06-Feb-89	A21			<1.00	5.90	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00								
PJ#318		02-May-89	F22			<1.00	1.85	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			1.71	12.80	19.00		
PJ#318		19-Jul-89	F23			<0.88	2.70	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	1.61		
PJ#318		18-Oct-89	F24			<0.88	4.47	0.73	1.14			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
PJ#318		17-Apr-90	F26			<1.00	4.68	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#318		14-Mar-91	F30			<1.00	3.23	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#318		27-Mar-92	F34	BGY 008		<2.41	5.99	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
PJ#318		23-Mar-93	F38	IHL 011		<1.00	2.75	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#318		24-Mar-94	F42	IUV 008	63410 (6)	<1.00	11.20	<1.00	0.32			<1.90	0.78	<1.00	0.64	0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#318	(4)	24-Mar-94	F42	IUV 011	63410 (6)	<1.00	11.30	<1.00	0.42			<1.90	0.78	<1.00	0.69	0.38	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#502		18-Nov-87	F16			<0.88	7.65	<0.49	<0.56			<1.50	1.71	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80	<3.09	<3.39	<1.17		
PJ#503		18-Nov-87	F16			<8.80	130.00	<4.90	<5.60			<15.00	29.00	<9.90	<7.20	<5.10	<11.00	<4.10	<6.20	<45.00	<18.00	<3.09	<3.39	<1.17		
PJ#506		19-Nov-87	F16			<44.00	890.00	<24.00	<28.00			<75.00	180.00	<50.00	<36.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00	<3.09	<3.39	<1.17		
PJ#507		18-Nov-87	F16			<44.00	890.00	<24.00	<28.00			<75.00	190.00	<50.00	<36.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00	<3.09	<3.39	1.46		
PJ#508		23-Aug-88	F19			<20.00	790.00	45.00	61.00			<38.00	250.00	<20.00		<10.00		<14.00	<20.00			<8.20	<17.00	<170.00		
PJ#802		02-Dec-87	F16			<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99	<0.72	<0.51	<1.10	<0.41	<0.62	<4.50	<1.80					
PJ#802		17-Sep-91	M32			<0.20	0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.40	0.90		0.30	0.50
PJ#806		02-Dec-87	F16			<44.00	490.00	<24.00	<28.00			<75.00	130.00	<50.00	<36.00	<26.00	<55.00	<20.00	<31.00	<220.00	<90.00					

TABLE IV - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
PJ#806		19-Jan-88	A17			<0.20	1870.00	190.00		35.00	<0.20	0.70	685.00	0.54	121.00	3.40		0.81								
PJ#806		12-May-88	A18			<0.20	356.00	24.00		6.10	<0.20	<0.20	209.00	<0.20	29.00	0.75		0.22								
PJ#806		04-Aug-88	A19			<0.20	103.00	9.70		4.80	<0.20	<0.20	28.00	<0.20	16.00	<0.20		<0.20								
PJ#806		21-Oct-88	A20			<0.50	110.00	7.70		7.10	<0.50	<0.50	39.00	<0.50	23.00	<1.00		<0.50								
PJ#806		16-Oct-89	A24			<2.00	250.00	34.00		6.90	<2.00	<10.00	71.00	<2.00	37.00	<2.00		<2.00								
PJ#806		23-Apr-90	A26			<0.50	770.00	77.00		9.30	<0.50	<0.50	50.00	<0.50	82.00	<0.50	0.90	<0.50	<0.50		<0.50					
PJ#806		11-Mar-91	A30			<50.00	910.00	65.00	<25.00		<15.00	<95.00	260.00	<50.00	79.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
PJ#806		04-Mar-92	A34	GNH 008		<1.00	1600.00	92.00	22.40		<0.50	<1.90	370.00	1.50	120.00	2.96	<1.30	2.06	<1.00	<1.00	<3.20					
PJ#806		03-Mar-93	A38	ZBT 014		<25.00	1300.00	92.00	30.00		<7.50	<48.00	240.00	<25.00	150.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
PJ#806	(4)	03-Mar-93	A38	ZBT 018		<25.00	1600.00	97.00	33.00		<7.50	<48.00	2500.00	<25.00	160.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
PJ#806		02-Mar-94	A42	IKQ 006	NC	<100.00	2100.00	130.00	<50.00		<30.00	<190.00	450.00	<100.00	160.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
SIGSTAD		20-Oct-92	M37			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
SIGSTAD		08-Sep-93	M40			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
TRAN		29-Jun-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
WINIECK		20-Jul-93	M40			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20

Table IV-3

TCAAP Groundwater Quality Data (Inorganics)

Notes:

(1) The parameters are grouped by the following chemical categories as separated by vertical lines: Category 2, Category 3, Category 4, Category 8, Category 9, and Category 10.

(2) Qtr = Quarter. Under this heading, F = FCC; A = Alliant Techsystems, Inc.; and M = MPCA.

(3) TCAAP GW Action Criteria = groundwater action criteria set forth in Table 3.7A of the Federal Facilities Agreement.

(4) Duplicate sample collected for QA/QC purposes.

(5) Field blank collected at this location. See Appendix I for field blank data.

(6) These entries are the lot and sample numbers for the corresponding data points.

Shading denotes exceedances or potential exceedances of TCAAP action criteria. Exceedances are concentrations greater than the TCAAP action criteria. Potential exceedances are values reported as "less than the method detection limit," where the method detection limit is greater than the TCAAP action criteria.

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TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01L811			25-Nov-87	F16														<0.70		
01L813			25-Nov-87	F16														<0.70		
01L816			25-Nov-87	F16														<0.70		
01L816			Well Abandoned																	
01L821			30-Nov-87	F16														<0.70		
01L822			01-Dec-87	F16														<0.70		
01L823			01-Dec-87	F16														<0.70		
01U022			05-Apr-88	F18		<6.01	570.00		<0.37	<2.50			5.02	<1.26						
01U034			11-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	0.19	<2.18	1.49	910.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U034			14-Nov-88	F20		<6.01	177.00		<0.37	<2.50			8.66	<1.26						
01U035			14-Nov-88	F20		<6.01	78.90		<0.37	<2.50			<5.32	<1.26						
01U035			09-Mar-94	F42														<0.74		
01U035	(6)		09-Mar-94															IJL 031		
01U036			11-Nov-87	F16	<1.93	<4.81	24.50	<1.47	0.53	<2.18	1.53	47.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U036			14-Nov-88	F20		<6.01	26.80		0.67	<2.50			<5.32	<1.26						
01U036			09-Mar-94	F42														<0.74		
01U036	(6)		09-Mar-94															IJL 030		
01U037			07-Apr-88	F18		<6.01	80.10		<0.37	<2.50			<5.32	<1.26						
01U037			21-Jun-92	F35											<1.00					
01U038			06-Apr-88	F18		<6.01	148.00		<0.37	<2.50			<5.32	<1.26						
01U038			21-Jun-92	F35											<1.00					
01U038	(5)	48275	09-Mar-94	F42		<3.00	103.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U038	(6)		09-Mar-94			EAX 003	IQB 020		IQB 020	IQB 020			EOQ 022	EBX 021				IJL 027		
01U038			08-Sep-94	F44	<12.50						<20.00	862.00			<37.10	<75.00	<100.00			
01U038	(6)		08-Sep-94		IQR 018						IQR 018	IQR 018			IQR 018	IQR 018	IQR 018			
01U039			06-Apr-88	F18		<6.01	41.50		<0.37	<2.50			<5.32	<1.26						
01U039		48232	09-Mar-94	F42		<3.00	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U039	(6)		09-Mar-94			EAX 023	IQB 023		IQB 023	IQB 023			EOQ 023	EBX 022				IJL 029		
01U039			08-Sep-94	F44	<12.50						<20.00	8.03			<37.10	<75.00	<100.00			
01U039	(6)		08-Sep-94		IQS 005						IQS 005	IQS 005			IQS 005	IQS 005	IQS 005			
01U040			05-Apr-88	F18		<6.01	142.00		<0.37	<2.50			5.07	<1.26						
01U040		NC	07-Mar-94	F42		<3.00	32.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U040	(6)		07-Mar-94			EAY 009	IQC 011		IQC 011	IQC 011			EOS 009	EBY 009				IJM 009		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
01L811		25-Nov-87	F16															
01L813		25-Nov-87	F16															
01L816		25-Nov-87	F16															
01L816		Well Abandoned																
01L821		30-Nov-87	F16															
01L822		01-Dec-87	F16															
01L823		01-Dec-87	F16															
01U022		05-Apr-88	F18															
01U034		11-Nov-87	F16						<29.40									
01U034		14-Nov-88	F20															
01U035		14-Nov-88	F20															
01U035		09-Mar-94	F42															
01U035	(6)	09-Mar-94																
01U036		11-Nov-87	F16						<29.40									
01U036		14-Nov-88	F20															
01U036		09-Mar-94	F42															
01U036	(6)	09-Mar-94																
01U037		07-Apr-88	F18															
01U037		21-Jun-92	F35									<1.00						
01U038		06-Apr-88	F18															
01U038		21-Jun-92	F35									2.90						
01U038	(5)	48275 09-Mar-94	F42						15.30			<1.00						<20.00
01U038	(6)	09-Mar-94							IQB 020			EOP 022						IQB 020
01U038		08-Sep-94	F44													<30.90		
01U038	(6)	08-Sep-94														IQR 018		
01U039		06-Apr-88	F18															
01U039	48232	09-Mar-94	F42						18.30			<1.00						<20.00
01U039	(6)	09-Mar-94							IQB 023			EOP 023						IQB 023
01U039		08-Sep-94	F44													<30.90		
01U039	(6)	08-Sep-94														IQS 005		
01U040		05-Apr-88	F18															
01U040	NC	07-Mar-94	F42						<13.00			<1.00						<20.00
01U040	(6)	07-Mar-94							IQC 011			EOR 009						IQC 011

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U040		208191	06-Sep-94	F44	<12.50						<20.00	<5.11			<37.10	<75.00	<100.00			
01U040	(6)		06-Sep-94		IQR 004						IQR 004	IQR 004			IQR 004	IQR 004	IQR 004			
01U041			05-Apr-88	F18		<6.01	49.10		0.66	<2.50			<5.32	<1.26						
01U041		48275	08-Mar-94	F42		<3.00	26.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U041	(6)		08-Mar-94			EAX 006	IQB 005		IQB 005	IQB 005			EOQ 006	EBX 023				IJL 007		
01U041		208191	06-Sep-94	F44	<12.50						<20.00	70.30			<37.10	<75.00	<100.00			
01U041	(6)		06-Sep-94		IQR 008						IQR 008	IQR 008			IQR 008	IQR 008	IQR 008			
01U045			08-Aug-88	F19		<6.01	160.00		0.36	<2.50			<5.32	<1.26						
01U045			13-Mar-91	F30																
01U045			16-Mar-92	F34															<8.17	<10.00
01U045			08-Mar-93	F38															<8.35	120.00
01U045	(4)		08-Mar-93	F38															<8.17	<10.00
01U045			22-Mar-94	F42																
01U045	(6)		22-Mar-94																	
01U050			16-Nov-87	F16	2.13	8.25	<220.00	<1.47	0.34	<2.18	1.49	8500.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
01U050			07-Apr-88	F18		<6.01	200.00		<0.37	<2.50			<5.32	<1.26						
01U050			15-Aug-88	F19		<6.01	190.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
01U051			16-Nov-87	F16	2.57	<4.81	<220.00	<1.47	0.68	3.54	1.39	12.70	<5.94	4.18	<10.00	<3.06	3.94	<0.70		
01U051			07-Apr-88	F18		<6.01	112.00		<0.37	<2.50			<5.32	<1.26						
01U051			15-Aug-88	F19		<6.01	69.50		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
01U053			16-Nov-87	F16	2.38	6.19	<220.00	<1.47	0.53	2.78	1.93	1800.00	<5.94	3.06	<10.00	<3.06	<2.70		<8.35	
01U053			15-Aug-88	F19		<6.01	99.00		0.36	<2.50			<5.32	<1.26				<0.74	<8.17	
01U054			16-Nov-87	F16	<1.93	5.67	<220.00	<1.47	0.92	2.88	3.12	4000.00	<5.94	<2.65	<10.00	<3.06	<2.70			
01U054			15-Aug-88	F19		<6.01	53.50		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
01U060			19-Nov-87	F16	<1.93	10.30	270.00	<1.47	0.63	<2.18	1.44	6000.00	14.00	<2.65	<10.00	<3.06	<2.70	<0.70		
01U060			11-Apr-88	F18		<6.01	300.00		1.12	<2.50			9.44	<1.26						
01U062			16-Nov-87	F16	2.38	<4.81	<220.00	<1.47	0.68	3.74	2.62	16.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U062			07-Apr-88	F18		<6.01	130.00		<0.37	<2.50			<5.32	<1.26						
01U062			16-Aug-88	F19		<6.01	150.00		0.38	<2.50			<5.32	<1.26				<0.74	<8.17	
01U063			05-Apr-88	F18		<6.01	82.50		<0.37	<2.50			<5.32	<1.26					<8.17	
01U063		48275	09-Mar-94	F42		<3.00	54.40		<5.00	<15.00			<5.00	<4.00				<0.74		
01U063	(6)		09-Mar-94			EAX 022	IQB 021		IQB 021	IQB 021			EOQ 003	EBX 003				IJL 028		
01U063			08-Sep-94	F44	<12.50						<20.00	218.00			<37.10	<75.00	<100.00			
01U063	(6)		08-Sep-94		IQS 004						IQS 004	IQS 004			IQS 004	IQS 004	IQS 004			
01U067			05-Apr-88	F18		<6.01	60.50		<0.37	<2.50			<5.32	<1.26						
01U067			19-Jun-92	F35	<0.50	0.25		<0.10	<0.10		<0.50			<0.80	<1.00	<1.00	<1.00	<0.20		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U040		208191	06-Sep-94	F44													<30.90		
01U040	(6)		06-Sep-94														IQR 004		
01U041			05-Apr-88	F18															
01U041		48275	08-Mar-94	F42						35.60			<1.00						<20.00
01U041	(6)		08-Mar-94							IQB 005			EOP 006						IQB 005
01U041		208191	06-Sep-94	F44													<30.90		
01U041	(6)		06-Sep-94														IQR 008		
01U045			08-Aug-88	F19						<25.00									
01U045			13-Mar-91	F30	20.60	22.90													
01U045			16-Mar-92	F34	<12.10	40.50													
01U045			08-Mar-93	F38	<10.30	100.00													
01U045	(4)		08-Mar-93	F38		100.00													
01U045			22-Mar-94	F42		58.10													
01U045	(6)		22-Mar-94			ISB 008													
01U050			16-Nov-87	F16			<1.00	6.00											
01U050			07-Apr-88	F18															
01U050			15-Aug-88	F19						<25.00									
01U051			16-Nov-87	F16						<29.40									
01U051			07-Apr-88	F18															
01U051			15-Aug-88	F19						<25.00									
01U053			16-Nov-87	F16						<29.40									
01U053			15-Aug-88	F19						<25.00									
01U054			16-Nov-87	F16			<1.00	<1.00											
01U054			15-Aug-88	F19						<25.00									
01U060			19-Nov-87	F16						67.10									
01U060			11-Apr-88	F18															
01U062			16-Nov-87	F16						<29.40									
01U062			07-Apr-88	F18															
01U062			16-Aug-88	F19						<25.00									
01U063			05-Apr-88	F18															
01U063		48275	09-Mar-94	F42						13.20			<1.00						<20.00
01U063	(6)		09-Mar-94							IQB 021			EOP 003						IQB 021
01U063			08-Sep-94	F44													<30.90		
01U063	(6)		08-Sep-94														IQS 004		
01U067			05-Apr-88	F18															
01U067			19-Jun-92	F35								3870.00	<1.00			20800.00			<0.60

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U067			19-Jun-92	M35	<1.00	0.40		<0.02	<0.20		1.00			<2.00	<0.60	<5.00	0.60	<0.40	<0.01	
01U067		48275	08-Mar-94	F42		<3.00	24.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U067	(6)		08-Mar-94			EAX 002	IQB 004		IQB 004	IQB 004			EOQ 002	EBX 002				IJL 004		
01U067		208191	06-Sep-94	F44	<12.50						<20.00	<5.11			<37.10	<75.00	<100.00			
01U067	(6)		06-Sep-94		IQR 007						IQR 007	IQR 007			IQR 007	IQR 007	IQR 007			
01U072			07-Apr-88	F18		<6.01	60.00		<0.37	<2.50			14.50	<1.26					<8.17	
01U085			11-Nov-87	F16	3.12	16.50	530.00	<1.47	0.19	2.73	2.08	2000.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U085			10-Aug-88	F19		43.90	500.00		<0.37	<2.50			<5.32	<1.26						
01U098			19-Nov-87	F16	4.01	<4.81	<220.00	<1.47	0.34	6.67	3.32	140.00	12.90	3.47	<10.00	<3.06	<2.70	<0.70		
01U098			11-Apr-88	F18		<6.01	190.00		0.71	<2.50			<5.32	<1.26						
01U100			07-Apr-88	F18		<6.01	290.00		<0.37	<2.50			9.05	<1.26						
01U100			26-Jan-94	M42	1.00	5.00	110.00	<0.20	<0.20	0.60	2.00	2700.00	10.00	<2.00	<6.00	<5.00	5.00	<0.20		
01U101			14-Nov-88	F20		<6.01	177.00		0.40	<2.50			<5.32	<1.26						
01U101			22-Feb-93	M38	<10.00			<0.20						<2.00	<6.00	<5.00	<2.00			
01U101			26-Jan-94	M42	<1.00	<2.00	10.00	<0.20	<0.20	0.80	<1.00	20.00	<6.00	<2.00	<6.00	<5.00	<2.00	<0.20		
01U102			30-Jul-91	M32				<2.00						<0.20	<2.00	<1.00	<3.00			
01U102			09-Mar-92	M34	<0.10	2.00	150.00	<0.40	0.28	22.00	10.00		16.00	8.10	<2.00	<1.00	<0.50	0.10		
01U102			21-Jun-92	F35				<0.10									<1.00			
01U102		NC	11-Mar-94	F42		<3.00	160.00		<5.00	<15.00			10.40	<4.00				<0.74		
01U102	(6)		11-Mar-94			EAY 018	IQC 020		IQC 020	IQC 020			EOS 018	EBY 018				IJM 022		
01U102		NC	12-Sep-94	F44	<12.50						<20.00	90.40			<37.10	<75.00	<100.00			
01U102	(6)		12-Sep-94		IQS 016						IQS 016	IQS 016			IQS 016	IQS 016	IQS 016			
01U103			11-Nov-87	F16	3.91	<4.81	<220.00	<1.47	0.34	3.79	2.92	62.00	14.50	2.86	14.60	6.38	<2.70	<0.70		
01U103			19-Jun-92	M35	<1.00										13.00	<5.00	0.70		<0.01	
01U103			19-Jun-92	F35										<0.80	54.80	8.10				
01U103		NC	07-Mar-94	F42		<3.00	106.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U103	(6)		07-Mar-94			EAY 003	IQC 006		IQC 006	IQC 006			EOS 003	EBY 003				IJM 004		
01U103			07-Mar-94	M42		<2.00									79.00		<2.00			
01U103		124044	07-Jun-94	F43													<100.00			
01U103	(6)		07-Jun-94														IQK 004			
01U103		208191	07-Sep-94	F44	<12.50						<20.00	<5.11			<37.10	<75.00	<100.00			
01U103	(6)		07-Sep-94		IQP 005						IQP 005	IQP 005			IQP 005	IQP 005	IQP 005			
01U104			06-Mar-92	F34		<4.81	123.00		<0.10	<2.18			<5.940	<2.65						
01U104			21-Jun-92	F35										0.80	<1.00					
01U104		48275	08-Mar-94	F42		<3.00	103.00		<5.00	<15.00			5.90	<4.00				<0.74		
01U104	(6)		08-Mar-94			EAX 014	IQB 013		IQB 013	IQB 013			EOQ 014	EBX 013				IJL 017		
01U104		208191	07-Sep-94	F44	<12.50						<20.00	502.00			<37.10	<75.00	<100.00			
01U104	(6)		07-Sep-94		IQP 007						IQP 007	IQP 007			IQP 007	IQP 007	IQP 007			

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
01U067		19-Jun-92	M35							<0.03	75.00	1.00			20.00			
01U067	48275	08-Mar-94	F42						21.40			<1.00						<20.00
01U067	(6)	08-Mar-94							IQB 004			EOP 002						IQB 004
01U067	208191	06-Sep-94	F44													<30.90		
01U067	(6)	06-Sep-94														IQR 007		
01U072		07-Apr-88	F18															
01U085		11-Nov-87	F16						<29.40									
01U085		10-Aug-88	F19						25.00									
01U098		19-Nov-87	F16						<29.40									
01U098		11-Apr-88	F18															
01U100		07-Apr-88	F18															
01U100		26-Jan-94	M42						50.00									4.00
01U101		14-Nov-88	F20															
01U101		22-Feb-93	M38									2.00						
01U101		26-Jan-94	M42						<10.00									4.00
01U102		30-Jul-91	M32									<0.40						<2.00
01U102		09-Mar-92	M34						40.00	6100.00		5.40						24.00
01U102		21-Jun-92	F35															
01U102	NC	11-Mar-94	F42						<13.00			<1.00						<20.00
01U102	(6)	11-Mar-94							IQC 020			EOR 018						IQC 020
01U102	NC	12-Sep-94	F44													<30.90		
01U102	(6)	12-Sep-94														IQS 016		
01U103		11-Nov-87	F16						<29.40									
01U103		19-Jun-92	M35															
01U103		19-Jun-92	F35									2.20						
01U103	NC	07-Mar-94	F42						32.60			<1.00						<20.00
01U103	(6)	07-Mar-94							IQC 006			EOR 003						IQC 006
01U103		07-Mar-94	M42															
01U103	124044	07-Jun-94	F43															
01U103	(6)	07-Jun-94																
01U103	208191	07-Sep-94	F44													<30.90		
01U103	(6)	07-Sep-94														IQP 005		
01U104		06-Mar-92	F34						69.10									
01U104		21-Jun-92	F35									<1.00						
01U104	48275	08-Mar-94	F42						13.20			<1.00						<20.00
01U104	(6)	08-Mar-94							IQB 013			EOP 014						IQB 013
01U104	208191	07-Sep-94	F44													<30.90		
01U104	(6)	07-Sep-94														IQP 007		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U105			06-Mar-92	F34		<4.81	41.20		0.31	<2.18			<5.940	<2.65						
01U105			21-Jun-92	F35										<0.80	<1.00					
01U105		48275	09-Mar-94	F42		<3.00	29.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U105	(6)		09-Mar-94			EAX 021	IQB 022		IQB 022	IQB 022			EOQ 021	EBX 020				IJL 024		
01U105			08-Sep-94	F44	<12.50						<20.00	146.00			<37.10	<75.00	<100.00			
01U105	(6)		08-Sep-94		IQR 017						IQR 017	IQR 017			IQR 017	IQR 017	IQR 017			
01U106			19-Jun-92	M35										<2.00						
01U106			19-Jun-92	F35										1.60	3.20					
01U106		48275	08-Mar-94	F42		<3.00	37.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U106	(6)		08-Mar-94			EAX 012	IQB 011		IQB 011	IQB 011			EOQ 012	EBX 011				IJL 013		
01U106		208191	07-Sep-94	F44	<12.50						<20.00	20.10			<37.10	<75.00	<100.00			
01U106	(6)		07-Sep-94		IQP 004						IQP 004	IQP 004			IQP 004	IQP 004	IQP 004			
01U107			08-Apr-88	F18		<6.01	170.00		0.58	<2.50			<5.32	<1.26						
01U107		48275	08-Mar-94	F42		<3.00	252.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U107	(6)		08-Mar-94			EAX 010	IQB 009		IQB 009	IQB 009			EOQ 010	EBX 009				IJL 011		
01U107		208191	06-Sep-94	F44	<12.50						<20.00	116.00			<37.10	<75.00	<100.00			
01U107	(6)		06-Sep-94		IQR 012						IQR 012	IQR 012			IQR 012	IQR 012	IQR 012			
01U108			16-Nov-87	F16																
01U108			17-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	<0.10	<2.18	1.98	2000.00	8.28	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
01U108			11-Apr-88	F18		<6.01	121.00		<0.37	<2.50			5.72	<1.26					<8.17	
01U108			19-Mar-91	M30			89.00		0.59	<0.50	1.80		10.00	<0.20				<0.10		
01U108			19-Jun-92	F35																
01U108			20-Jun-92	F35	<0.50			<0.10				1340.00			<1.00	<1.00	<1.00			
01U108	(4)		20-Jun-92	F35																
01U108		53384	15-Mar-94	F42		<3.00	61.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U108	(6)		15-Mar-94			EAZ 011	IQE 014		IQE 014	IQE 014			EOX 012	EQA 012				IJN 017		
01U108		208191	07-Sep-94	F44	<12.50						<20.00	1300.00			<37.10	<75.00	<100.00			
01U108	(6)		07-Sep-94		IQP 011						IQP 011	IQP 011			IQP 011	IQP 011	IQP 011			
01U109			08-Apr-88	F18		<6.01	107.00		<0.37	<2.50			<5.32	<1.26						
01U109			21-Jun-92	F35											<1.00					
01U109	(4)		21-Jun-92	F35											1.70					
01U109		48275	08-Mar-94	F42		<3.00	101.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U109	(6)		08-Mar-94			EAX 016	IQB 015		IQB 015	IQB 015			EOQ 016	EBX 015				IJL 019		
01U109			07-Sep-94	F44	<12.50						<20.00	238.00			<37.10	<75.00	<100.00			
01U109	(6)		07-Sep-94		IQP 009						IQP 009	IQP 009			IQP 009	IQP 009	IQP 009			
01U110			08-Apr-88	F18		<6.01	35.00		<0.37	<2.50			<5.32	<1.26						
01U110			21-Jun-92	F35											<1.00					
01U110		48275	08-Mar-94	F42		<3.00	28.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U110	(6)		08-Mar-94			EAX 015	IQB 014		IQB 014	IQB 014			EOQ 015	EBX 014				IJL 018		
01U110			07-Sep-94	F44	<12.50						<20.00	64.30			<37.10	<75.00	<100.00			

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
01U105		06-Mar-92	F34						67.10									
01U105		21-Jun-92	F35									<1.00						
01U105	48275	09-Mar-94	F42						<13.00			<1.00						<20.00
01U105	(6)	09-Mar-94							IQB 022			EOP 021						IQB 022
01U105		08-Sep-94	F44													<30.90		
01U105	(6)	08-Sep-94														IQR 017		
01U106		19-Jun-92	M35															
01U106		19-Jun-92	F35									<1.00						
01U106	48275	08-Mar-94	F42						14.20			<1.00						<20.00
01U106	(6)	08-Mar-94							IQB 011			EOP 012						IQB 011
01U106	208191	07-Sep-94	F44													<30.90		
01U106	(6)	07-Sep-94														IQP 004		
01U107		08-Apr-88	F18															
01U107	48275	08-Mar-94	F42						15.30			<1.00						<20.00
01U107	(6)	08-Mar-94							IQB 009			EOP 010						IQB 009
01U107	208191	06-Sep-94	F44													<30.90		
01U107	(6)	06-Sep-94														IQR 012		
01U108		16-Nov-87	F16						<29.40									
01U108		17-Nov-87	F16															
01U108		11-Apr-88	F18															
01U108		19-Mar-91	M30						9.90	<5.00								
01U108		19-Jun-92	F35															<0.60
01U108		20-Jun-92	F35									<1.00	15300.00					
01U108	(4)	20-Jun-92	F35										7760.00					
01U108	53384	15-Mar-94	F42						<13.00			<1.00						<20.00
01U108	(6)	15-Mar-94							IQE 014			EOY 012						IQE 014
01U108	208191	07-Sep-94	F44													<30.90		
01U108	(6)	07-Sep-94														IQP 011		
01U109		08-Apr-88	F18															
01U109		21-Jun-92	F35									<1.00						
01U109	(4)	21-Jun-92	F35									<1.00						
01U109	48275	08-Mar-94	F42						20.30			<1.00						<20.00
01U109	(6)	08-Mar-94							IQB 015			EOP 016						IQB 015
01U109		07-Sep-94	F44													<30.90		
01U109	(6)	07-Sep-94														IQP 009		
01U110		08-Apr-88	F18															
01U110		21-Jun-92	F35									<1.00						
01U110	48275	08-Mar-94	F42						21.40			<1.00						<20.00
01U110	(6)	08-Mar-94							IQB 014			EOP 015						IQB 014
01U110		07-Sep-94	F44													<30.90		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U110	(6)		07-Sep-94		IQP 008						IQP 008	IQP 008			IQP 008	IQP 008	IQP 008			
01U115			11-Nov-87	F16	<1.93	<4.81	70.60	<1.47	<0.10	<2.18	3.61	120.00	<5.94	2.70	<10.00	<3.06	<2.70	<0.70		
01U115			11-Apr-88	F18		<6.01	25.90		<0.37	<2.50			<5.32	<1.26					<8.17	
01U115			15-Nov-88	F20															<8.17	
01U115			19-Mar-91	M30			30.00		0.10	<0.50	0.50		<1.00	0.30				<0.10		
01U115			09-Mar-92	M34	<0.10	2.30	40.00	<0.40	0.33	1.50	4.40		1.40	4.20	<2.00	<1.00	<0.50	<0.10		
01U115			19-Jun-92	F35				<0.10				50.00				1.80	<1.00			
01U115			19-Jun-92	M35											<0.60				<0.01	
01U115	(4)		19-Jun-92	F35																
01U115		48771	10-Mar-94	F42		<3.00	32.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U115	(6)		10-Mar-94			EAZ 009	IQE 009		IQE 009	IQE 009			EOX 010	EQA 010				IJN 012		
01U115		NC	09-Sep-94	F44	<12.50						<20.00	18.10			<37.10	<75.00	<100.00			
01U115	(6)		09-Sep-94		IQS 023						IQS 023	IQS 023			IQS 023	IQS 023	IQS 023			
01U116			11-Nov-87	F16	<1.93	6.19	125.00	<1.47	<0.10	<2.18	3.17	280.00	<5.94	3.16	<10.00	<3.06	<2.70	<0.70		
01U116			06-Apr-88	F18		6.63	102.00		<0.37	<2.50			<5.32	<1.26						
01U116			15-Nov-88	F20															<8.17	
01U116			19-Jun-92	F35		4.42						179.00			3.00					
01U116			19-Jun-92	M35		5.00									<0.60					
01U116	(4)		19-Jun-92	F35																
01U116		48275	09-Mar-94	F42		<3.00	57.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U116	(6)		09-Mar-94			EAX 020	IQB 019		IQB 019	IQB 019			EOQ 020	EBX 019				IJL 023		
01U116			08-Sep-94	F44	<12.50						<20.00	66.30			<37.10	<75.00	<100.00			
01U116	(6)		08-Sep-94		IQR 016						IQR 016	IQR 016			IQR 016	IQR 016	IQR 016			
01U117			11-Nov-87	F16	3.61	<4.81	<220.00	<1.47	0.19	3.74	2.97	950.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U117			06-Apr-88	F18		<6.01	200.00		<0.37	<2.50			<5.32	<1.26					<8.17	
01U117			15-Nov-88	F20															<8.17	
01U117			09-Mar-92	M34	<0.10	<1.00	120.00	<0.40	0.44	1.40	12.00		4.20	2.20	<2.00	<1.00	<0.50	<0.10		
01U117			19-Jun-92	M35	<1.00	1.10		<0.02							0.60		0.80	<0.40	<0.01	
01U117			19-Jun-92	F35	<0.50	0.61		<0.10								1.10	<1.00			
01U117	(5)	NC	10-Mar-94	F42		<3.00	112.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U117	(6)		10-Mar-94			EAY 013	IQC 015		IQC 015	IQC 015			EOS 013	EBY 013				IJM 015		
01U117	(5)	NC	09-Sep-94	F44	<12.50						<20.00	231.00			<37.10	<75.00	<100.00			
01U117	(6)		09-Sep-94		IQT 006						IQT 006	IQT 006			IQT 006	IQT 006	IQT 006			
01U118			11-Nov-87	F16	<1.93	<4.81	83.30	<1.47	0.15	<2.18	1.93	18.50	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U118			07-Apr-88	F18		<6.01	57.40		<0.37	<2.50			<5.32	<1.26					<8.17	
01U118			15-Nov-88	F20															<8.17	
01U118			20-Jun-92	F35											<1.00					
01U118		48275	08-Mar-94	F42		<3.00	42.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U118	(6)		08-Mar-94			EAX 007	IQB 006		IQB 006	IQB 006			EOQ 007	EBX 006				IJL 008		
01U118		208191	06-Sep-94	F44	<12.50						<20.00	15.10			<37.10	<75.00	<100.00			
01U118	(6)		06-Sep-94		IQR 009						IQR 009	IQR 009			IQR 009	IQR 009	IQR 009			

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U110	(6)		07-Sep-94														IQP 008		
01U115			11-Nov-87	F16						<29.40									
01U115			11-Apr-88	F18															
01U115			15-Nov-88	F20															
01U115			19-Mar-91	M30						3.90	<5.00								
01U115			09-Mar-92	M34						60.00	150.00		<0.50						3.00
01U115			19-Jun-92	F35									<1.00	<100.00					<0.60
01U115			19-Jun-92	M35															
01U115	(4)		19-Jun-92	F35										6680.00					
01U115		48771	10-Mar-94	F42						<13.00			<1.00						<20.00
01U115	(6)		10-Mar-94							IQE 009			EOY 010						IQE 009
01U115		NC	09-Sep-94	F44													<30.90		
01U115	(6)		09-Sep-94														IQS 023		
01U116			11-Nov-87	F16						<29.40									
01U116			06-Apr-88	F18															
01U116			15-Nov-88	F20															
01U116			19-Jun-92	F35									<1.00	5360.00					
01U116			19-Jun-92	M35															
01U116	(4)		19-Jun-92	F35										<100.00					
01U116		48275	09-Mar-94	F42						13.20			<1.00						<20.00
01U116	(6)		09-Mar-94							IQB 019			EOP 020						IQB 019
01U116			08-Sep-94	F44													<30.90		
01U116	(6)		08-Sep-94														IQR 016		
01U117			11-Nov-87	F16						<29.40									
01U117			06-Apr-88	F18															
01U117			15-Nov-88	F20															
01U117			09-Mar-92	M34						60.00	110.00		1.20						<2.00
01U117			19-Jun-92	M35									2.00						
01U117			19-Jun-92	F35									<1.00						<0.60
01U117	(5)	NC	10-Mar-94	F42						<13.00			<1.00						<20.00
01U117	(6)		10-Mar-94							IQC 015			EOR 013						IQC 015
01U117	(5)	NC	09-Sep-94	F44													<30.90		
01U117	(6)		09-Sep-94														IQT 006		
01U118			11-Nov-87	F16						<29.40									
01U118			07-Apr-88	F18															
01U118			15-Nov-88	F20															
01U118			20-Jun-92	F35									<1.00						
01U118		48275	08-Mar-94	F42						19.30			<1.00						<20.00
01U118	(6)		08-Mar-94							IQB 006			EOP 007						IQB 006
01U118		208191	06-Sep-94	F44													<30.90		
01U118	(6)		06-Sep-94														IQR 009		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U119			11-Nov-87	F16	3.51	<4.81	<220.00	<1.47	0.39	3.89	1.98	1200.00	<5.94	2.76	<10.00	<3.06	<2.70	<0.70		
01U119			07-Apr-88	F18		<6.01	140.00		<0.37	<2.50			<5.32	<1.26					<8.17	
01U119			15-Nov-88	F20															<8.17	
01U119			06-Mar-92	F34		<4.81	61.80		0.63	<2.18			<5.94	<2.65						
01U119			20-Jun-92	F35	<0.50										<1.00					
01U119	(5)	48275	08-Mar-94	F42		<3.00	42.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U119	(6)		08-Mar-94			EAX 013	IQB 012		IQB 012	IQB 012			EOQ 013	EBX 012				IJL 014		
01U119		208191	07-Sep-94	F44	<12.50						<20.00	396.00			<37.10	<75.00	<100.00			
01U119	(6)		07-Sep-94		IQP 006						IQP 006	IQP 006			IQP 006	IQP 006	IQP 006			
01U120			11-Nov-87	F16	<1.93	<4.81	40.20	<1.47	0.34	<2.18	2.18	180.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U120			07-Apr-88	F18		<6.01	31.20		<0.37	<2.50			<5.32	<1.26					<8.17	
01U120			15-Nov-88	F20															<8.17	
01U120			20-Jun-92	F35											<1.00					
01U120	(4)		20-Jun-92	F35											1.50					
01U120		48275	09-Mar-94	F42		<3.00	26.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U120	(6)		09-Mar-94			EAX 019	IQB 018		IQB 018	IQB 018			EOQ 019	EBX 018				IJL 022		
01U120			08-Sep-94	F44	<12.50						<20.00	109.00			<37.10	<75.00	<100.00			
01U120	(6)		08-Sep-94		IQR 015						IQR 015	IQR 015			IQR 015	IQR 015	IQR 015			
01U122			09-Dec-87	F16	<1.93	<4.81	240.00	<1.47	0.21	<2.18	2.72	610.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U122			05-Apr-88	F18		<6.01	128.00		<0.37	<2.50			<5.32	<1.26						
01U125			08-Dec-87	F16	<1.93	<4.81	45.10	<1.47	0.15	3.54	2.03	9.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U125			11-Apr-88	F18		<6.01	18.30		<0.37	<2.50			<5.32	<1.26					<8.17	
01U125			17-Nov-88	F20															<8.17	
01U125			21-Jun-92	F35											<1.00					
01U125		NC	10-Mar-94	F42		<3.00	21.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U125	(6)		10-Mar-94			EAY 011	IQC 013		IQC 013	IQC 013			EOS 011	EBY 011				IJM 011		
01U125		NC	09-Sep-94	F44	<12.50						<20.00	8.03			<37.10	<75.00	<100.00			
01U125	(6)		09-Sep-94		IQT 004						IQT 004	IQT 004			IQT 004	IQT 004	IQT 004			
01U126			08-Dec-87	F16	<1.93	<4.81	98.00	<1.47	0.18	<2.18	2.62	390.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U126			06-Apr-88	F18		<6.01	60.30		<0.37	<2.50			<5.32	<1.26					<8.17	
01U126			17-Nov-88	F20															<8.17	
01U126			09-Mar-92	M34	<0.10	<1.00	80.00	<0.40	0.25	7.10	7.00		12.00	3.80	<2.00	<1.00	<0.50	<0.10		
01U126			20-Jun-92	F35											<1.00					
01U126	(4)		20-Jun-92	F35											<1.00					
01U126		48275	09-Mar-94	F42		<3.00	51.40		<5.00	<15.00			<5.00	<4.00				<0.74		
01U126	(6)		09-Mar-94			EAX 017	IQB 016		IQB 016	IQB 016			EOQ 017	EBX 016				IJL 020		
01U126	(5)	208191	07-Sep-94	F44	<12.50						<20.00	390.00			<37.10	<75.00	<100.00			
01U126	(6)		07-Sep-94		IQP 018						IQP 018	IQP 018			IQP 018	IQP 018	IQP 018			
01U127			11-Dec-87	F16	<1.93	5.67	99.00	<1.47	0.23	2.53	1.98	9.50	<5.94	<2.65	10.80	<3.06	<2.70	<0.70		
01U127			06-Apr-88	F18		<6.01	56.90		<0.37	<2.50			<5.32	<1.26					<8.17	
01U127			14-Nov-88	F20															<8.17	

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U119			11-Nov-87	F16						<29.40									
01U119			07-Apr-88	F18															
01U119			15-Nov-88	F20															
01U119			06-Mar-92	F34						140.00									
01U119			20-Jun-92	F35									<1.00						
01U119	(5)	48275	08-Mar-94	F42						16.30			<1.00						<20.00
01U119	(6)		08-Mar-94							IQB 012			EOP 013				<30.90		IQB 012
01U119		208191	07-Sep-94	F44													IQP 006		
01U119	(6)		07-Sep-94																
01U120			11-Nov-87	F16						<29.40									
01U120			07-Apr-88	F18															
01U120			15-Nov-88	F20															
01U120			20-Jun-92	F35									<1.00						
01U120	(4)		20-Jun-92	F35									<1.00						
01U120		48275	09-Mar-94	F42						16.30			<1.00						<20.00
01U120	(6)		09-Mar-94							IQB 018			EOP 019				<30.90		IQB 018
01U120			08-Sep-94	F44													IQR 015		
01U120	(6)		08-Sep-94																
01U122			09-Dec-87	F16						<29.40									
01U122			05-Apr-88	F18															
01U125			08-Dec-87	F16						<29.40									
01U125			11-Apr-88	F18															
01U125			17-Nov-88	F20															
01U125			21-Jun-92	F35									<1.00						
01U125		NC	10-Mar-94	F42						<13.00			<1.00						<20.00
01U125	(6)		10-Mar-94							IQC 013			EOR 011				<30.90		IQC 013
01U125		NC	09-Sep-94	F44													IQT 004		
01U125	(6)		09-Sep-94																
01U126			08-Dec-87	F16						<29.40									
01U126			06-Apr-88	F18															
01U126			17-Nov-88	F20															
01U126			09-Mar-92	M34						18.00	2800.00		3.30						7.80
01U126			20-Jun-92	F35									<1.00						
01U126	(4)		20-Jun-92	F35									<1.00						
01U126		48275	09-Mar-94	F42						17.30			<1.00						<20.00
01U126	(6)		09-Mar-94							IQB 016			EOP 017				<30.90		IQB 016
01U126	(5)	208191	07-Sep-94	F44													IQP 018		
01U126	(6)		07-Sep-94																
01U127			11-Dec-87	F16						<29.40									
01U127			06-Apr-88	F18															
01U127			14-Nov-88	F20															

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U127			19-Jun-92	M35		0.50									<0.60					
01U127			19-Jun-92	F35		<0.20									1.10					
01U127		48275	09-Mar-94	F42		<3.00	66.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U127	(6)		09-Mar-94			EAX 018	IQB 017		IQB 017	IQB 017			EOQ 018	EBX 017				IJL 021		
01U127		208191	07-Sep-94	F44	<12.50						<20.00	<5.11			<37.10	<75.00	<100.00			
01U127	(6)		07-Sep-94		IQP 019						IQP 019	IQP 019			IQP 019	IQP 019	IQP 019			
01U128			09-Dec-87	F16	<1.93	20.60	280.00	<1.47	0.38	2.53	1.53	4500.00	<5.94	3.57	<10.00	<3.06	<2.70	<0.70		
01U128			05-Apr-88	F18		15.10	330.00		<0.37	<2.50			<5.32	<1.26						
01U128			08-Aug-88	F19		19.90	290.00		<0.37	6.01			<5.32	<1.26				<0.74	<8.17	
01U128			16-Nov-88	F20																
01U128			01-Mar-94	M42	<1.00			<0.20				3000.00	<20.00		<6.00	<5.00	5.00	<0.20		
01U130			07-Dec-87	F16	<1.93	5.15	500.00	<1.47	0.29	3.03	3.22	7500.00	7.76	<2.65	<10.00	<3.06	<2.70			
01U130			15-Aug-88	F19		<6.01	240.00		0.58	<2.50			<5.32	<1.26				<0.74	<8.17	
01U133			11-Dec-87	F16	<1.93	5.67	320.00	<1.47	1.17	<2.18	5.94	600.00	13.50	<2.65	12.30	<3.06	<2.70	<0.70		
01U133			12-Aug-88	F19		<6.01	240.00		<0.37	<2.50			<5.32	<1.26						
01U133			14-Nov-88	F20															<8.17	
01U133			19-Jun-92	M35		0.30		<0.02	<0.20						<0.60		2.10	<0.40		
01U133			19-Jun-92	F35		0.87		<0.10	<0.10						<1.00	1.30	<1.00			
01U133		NC	07-Mar-94	F42		<3.00	109.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U133	(6)		07-Mar-94			EAY 007	IQC 009		IQC 009	IQC 009			EOS 007	EBY 007				IJM 005		
01U133			07-Mar-94	M42		<2.00									<6.00		<2.00			
01U133		124044	08-Jun-94	F43													<100.00			
01U133	(6)		08-Jun-94														IQK 006			
01U133			08-Sep-94	F44	<12.50						<20.00	360.00			<37.10	<75.00	<100.00			
01U133	(6)		08-Sep-94		IQR 019						IQR 019	IQR 019			IQR 019	IQR 019	IQR 019			
01U135			21-Nov-88	F20		<6.01	91.00		<0.37	<2.50			<5.32	<1.26					<8.17	
01U135		48275	09-Mar-94	F42		<3.00	55.40		<5.00	<15.00			<5.00	<4.00						
01U135	(6)		09-Mar-94			EAY 006	IQC 005		IQC 005	IQC 005			EOS 006	EBY 002						
01U135			08-Sep-94	F44	<12.50						<20.00	133.00			<37.10	<75.00	<100.00			
01U135	(6)		08-Sep-94		IQS 009						IQS 009	IQS 009			IQS 009	IQS 009	IQS 009			
01U136			21-Nov-88	F20		<6.01	490.00		1.00	<2.50			<27.00	1.92					<8.17	
01U136		48275	09-Mar-94	F42		<3.00	290.00		<5.00	<15.00			42.80	<4.00						
01U136	(6)		09-Mar-94			EAY 002	IQC 004		IQC 004	IQC 004			EOS 002	EBY 006						
01U136			08-Sep-94	F44	<12.50						<20.00	339.00			<37.10	<75.00	<100.00			
01U136	(6)		08-Sep-94		IQS 008						IQS 008	IQS 008			IQS 008	IQS 008	IQS 008			
01U137			06-Mar-92	F34		<4.81	22.50		<0.10	<2.18			<5.94	<2.65						
01U137		48275	08-Mar-94	F42		<3.00	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U137	(6)		08-Mar-94			EAX 008	IQB 007		IQB 007	IQB 007			EOQ 008	EBX 007				IJL 009		
01U137		208191	06-Sep-94	F44	<12.50						<20.00	9.04			<37.10	<75.00	<100.00			
01U137	(6)		06-Sep-94		IQR 010						IQR 010	IQR 010			IQR 010	IQR 010	IQR 010			

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U127			19-Jun-92	M35															
01U127			19-Jun-92	F35									7.10						
01U127		48275	09-Mar-94	F42						41.70			<1.00						<20.00
01U127	(6)		09-Mar-94							IQB 017			EOP 018						IQB 017
01U127		208191	07-Sep-94	F44													<30.90		
01U127	(6)		07-Sep-94														IQP 019		
01U128			09-Dec-87	F16						<29.40									
01U128			05-Apr-88	F18						25.80									
01U128			08-Aug-88	F19						<25.00									
01U128			16-Nov-88	F20						41.40									
01U128			01-Mar-94	M42						<20.00									
01U130			07-Dec-87	F16			1.60	1.50		<29.40									
01U130			15-Aug-88	F19						<25.00									
01U133			11-Dec-87	F16						85.20									
01U133			12-Aug-88	F19															
01U133			14-Nov-88	F20															
01U133			19-Jun-92	M35									2.00						
01U133			19-Jun-92	F35									1.40						<0.60
01U133		NC	07-Mar-94	F42						15.30			<1.00						<20.00
01U133	(6)		07-Mar-94							IQC 009			EOR 007						IQC 009
01U133			07-Mar-94	M42															
01U133		124044	08-Jun-94	F43															
01U133	(6)		08-Jun-94																
01U133			08-Sep-94	F44													<30.90		
01U133	(6)		08-Sep-94														IQR 019		
01U135			21-Nov-88	F20															
01U135		48275	09-Mar-94	F42						<13.00			<1.00						<20.00
01U135	(6)		09-Mar-94							IQC 005			EOR 006						IQC 005
01U135			08-Sep-94	F44													<30.90		
01U135	(6)		08-Sep-94														IQS 009		
01U136			21-Nov-88	F20															
01U136		48275	09-Mar-94	F42						<13.00			3.08						<20.00
01U136	(6)		09-Mar-94							IQC 004			EOR 002						IQC 004
01U136			08-Sep-94	F44													<30.90		
01U136	(6)		08-Sep-94														IQS 008		
01U137			06-Mar-92	F34						<29.40									
01U137		48275	08-Mar-94	F42						13.20			<1.00						<20.00
01U137	(6)		08-Mar-94							IQB 007			EOP 008						IQB 007
01U137		208191	06-Sep-94	F44													<30.90		
01U137	(6)		06-Sep-94														IQR 010		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U138			06-Mar-92	F34		<4.81	45.10		<0.10	<2.18			<5.94	<2.65						
01U138		NC	10-Mar-94	F42		<3.00	41.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U138	(6)		10-Mar-94			EAY 010	IQC 012		IQC 012	IQC 012			EOS 010	EBY 010				IJM 010		
01U138		NC	09-Sep-94	F44	<12.50						<20.00	37.10			<37.10	<75.00	<100.00			
01U138	(6)		09-Sep-94		IQS 025						IQS 025	IQS 025			IQS 025	IQS 025	IQS 025			
01U139			06-Mar-92	F34		<4.810	91.20		<0.10	<2.18			<5.94	<2.65						
01U139		48771	10-Mar-94	F42		<3.00	68.50		<5.00	<15.00			<1.00	<4.00				<0.74		
01U139	(6)		10-Mar-94			EAY 023	IQC 025		IQC 025	IQC 025			EOS 022	EBY 023				IJN 004		
01U139		NC	09-Sep-94	F44	<12.50						<20.00	468.00			<37.10	<75.00	<100.00			
01U139	(6)		09-Sep-94		IQS 021						IQS 021	IQS 021			IQS 021	IQS 021	IQS 021			
01U140			06-Mar-92	F34		<4.810	76.50		<0.10	<2.18			<5.94	<2.65						
01U140		NC	07-Mar-94	F42		<3.00	64.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U140	(6)		07-Mar-94			EAY 008	IQC 010		IQC 010	IQC 010			EOS 008	EBY 008				IJM 008		
01U140		NC	09-Sep-94	F44	<12.50						<20.00	312.00			<37.10	<75.00	<100.00			
01U140	(6)		09-Sep-94		IQS 022						IQS 022	IQS 022			IQS 022	IQS 022	IQS 022			
01U141			06-Mar-92	F34		<4.81	<20.00		<0.10	<2.18			<5.94	<2.65						
01U141			06-Mar-92	F34		<4.81	<20.00		<0.10	<2.18			<5.94	<2.65						
01U141		48275	08-Mar-94	F42		<3.00	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U141	(6)		08-Mar-94			EAX 009	IQB 008		IQB 008	IQB 008			EOQ 009	EBX 008				IJL 010		
01U141		208191	06-Sep-94	F44	<12.50						<20.00	<5.11			<37.10	<75.00	<100.00			
01U141	(6)		06-Sep-94		IQR 011						IQR 011	IQR 011			IQR 011	IQR 011	IQR 011			
01U157		NC	10-Mar-94	F42		<3.00	54.40		<5.00	<15.00			<5.00	<4.00				<0.74		
01U157	(6)		10-Mar-94			EAY 012	IQC 014		IQC 014	IQC 014			EOS 012	EBY 012				IJM 014		
01U157		106330	13-May-94	F43		<3.00	98.80		<5.00	<15.00	<20.00		19.10	<4.00				<0.74	<8.17	
01U157	(6)		13-May-94			ESM 013	IQJ 015		IQJ 015	IQJ 015	IQJ 015		EWB 013	EQF 013				IJQ 013	IMG 014	
01U157	(4)	106330	13-May-94	F43		<3.00	93.80		<5.00	<15.00	<20.00			<4.00				<0.74	<8.17	
01U157	(6)		13-May-94			ESM 017	IQJ 019		IQJ 019	IQJ 019	IQJ 019			EQF 017				IJQ 019	IMG 017	
01U157		NC	09-Sep-94	F44	<12.50						<20.00	143.00			<37.10	<75.00	<100.00			
01U157	(6)		09-Sep-94		IQT 005						IQT 005	IQT 005			IQT 005	IQT 005	IQT 005			
01U158		48771	10-Mar-94	F42		<3.00	67.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U158	(6)		10-Mar-94			EAZ 013	IQE 008		IQE 008	IQE 008		EOX 009		EQA 009				IJN 011		
01U158			13-May-94	F43			<20.00		<5.00	<15.00	259.00									
01U158	(6)		13-May-94				BA		CD	CR	CU									
01U158	(6)		13-May-94				IQJ 014		IQJ 014	IQJ 014	IQJ 014									
01U158		106330	13-May-94	F43		<3.00	82.70		<5.00	<15.00	<20.00		7.96	<4.00				<0.74	<8.17	
01U158	(6)		13-May-94			ESM 014	IQJ 016		IQJ 016	IQJ 016	IQJ 016		EWB 014	EQF 014				IJQ 016	IMG 015	
01U158	(4)		13-May-94	F43									15.50							
01U158	(6)		13-May-94										EWB 015							
01U158		NC	09-Sep-94	F44	<12.50						<20.00	318.00			<37.10	<75.00	<100.00			
01U158	(6)		09-Sep-94		IQS 024						IQS 024	IQS 024			IQS 024	IQS 024	IQS 024			

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U138			06-Mar-92	F34						<29.40									
01U138		NC	10-Mar-94	F42						<13.00			<1.00						<20.00
01U138	(6)		10-Mar-94							IQC 012			EOR 010						IQC 012
01U138		NC	09-Sep-94	F44													<30.90		
01U138	(6)		09-Sep-94														IQS 025		
01U139			06-Mar-92	F34						<29.40									
01U139		48771	10-Mar-94	F42						<13.00			<1.00						<20.00
01U139	(6)		10-Mar-94							IQC 025			EOR 023						IQC 025
01U139		NC	09-Sep-94	F44													<30.90		
01U139	(6)		09-Sep-94														IQS 021		
01U140			06-Mar-92	F34						<29.40									
01U140		NC	07-Mar-94	F42						17.30			<1.00						<20.00
01U140	(6)		07-Mar-94							IQC 010			EOR 008						IQC 010
01U140		NC	09-Sep-94	F44													<30.90		
01U140	(6)		09-Sep-94														IQS 022		
01U141			06-Mar-92	F34						46.10									
01U141			06-Mar-92	F34						<29.40									
01U141		48275	08-Mar-94	F42						14.20			<1.00						<20.00
01U141	(6)		08-Mar-94							IQB 008			EOP 009						IQB 008
01U141		208191	06-Sep-94	F44													<30.90		
01U141	(6)		06-Sep-94														IQR 011		
01U157		NC	10-Mar-94	F42						<13.00			<1.00						<20.00
01U157	(6)		10-Mar-94							IQC 014			EOR 012						IQC 014
01U157		106330	13-May-94	F43						22.40									
01U157	(6)		13-May-94							IQJ 015									
01U157	(4)	106330	13-May-94	F43						13.20									
01U157	(6)		13-May-94							IQJ 019									
01U157		NC	09-Sep-94	F44													<30.90		
01U157	(6)		09-Sep-94														IQT 005		
01U158		48771	10-Mar-94	F42						<13.00			<1.00						<20.00
01U158	(6)		10-Mar-94							IQE 008			EOY 009						IQE 008
01U158			13-May-94	F43						112.00									
01U158	(6)		13-May-94							ZN									
01U158	(6)		13-May-94							IQJ 014									
01U158		106330	13-May-94	F43						16.30									
01U158	(6)		13-May-94							IQJ 016									
01U158	(4)		13-May-94	F43															
01U158	(6)		13-May-94																
01U158		NC	09-Sep-94	F44													<30.90		
01U158	(6)		09-Sep-94														IQS 024		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U350		13-Sep-88	F19		<6.01	240.00		<0.37	<2.50			9.79	<1.26						
01U350		21-Sep-88	F19		<6.01	103.00		<0.37	<2.50			5.49	<1.26						
01U350		27-Sep-88	F19		<6.01	108.00		<0.37	<2.50			6.88	3.70						
01U350		04-Oct-88	F20		<6.01	100.00		<0.37	<2.50			8.88	6.79						
01U350		19-Oct-88	F20		<6.01	96.50		<0.37	<2.50			<5.32	<1.26						
01U350		25-Oct-88	F20		<6.01	96.80		<0.37	<2.50			<5.32	21.00						
01U350		08-Nov-88	F20		<6.01	123.00		<0.37	<2.50			<5.32	<1.26						
01U350		29-Nov-88	F20		<6.01	137.00		<0.37	<2.50			<5.32	<1.26						
01U350		06-Dec-88	F20		<6.01	125.00		<0.37	<2.50			<5.32	<1.26						
01U350		20-Dec-88	F20		<6.01	131.00		<0.37	<2.50			<5.32	<1.26						
01U350		17-Jan-89	F21		<6.01	101.00		<0.37	<2.50			<5.32	<1.26						
01U350		21-Feb-89	F21					<0.37											
01U350		17-Jul-90	F27		<6.01	184.00		<0.37	<2.50			4.99	1.61						950.00
01U350		18-Sep-90	F27		<6.01	150.00		<0.37	<2.50			5.67	1.40						890.00
01U350		22-Oct-90	F29		<6.01	111.00		<0.37	<2.50			7.88	<1.26						1008.00
01U350		20-Nov-90	F29		<6.01	193.00		<0.37	<2.50			<5.32	4.40						784.00
01U350		18-Dec-90	F29		<6.01	183.40		<0.37	<2.50			5.54	<1.26						770.00
01U350		22-Jan-91	F30		<6.01	119.96		<5.00	<15.00	<20.00		7.79	1.66						714.00
01U350		19-Feb-91	F30		<6.01	103.83		<5.00	<15.00	<20.00		<5.32	2.51						840.00
01U350		19-Mar-91	F30									<63.10	<100.00						
01U350		19-Mar-91	F30		<6.01	124.00	<2.50	<5.00	<15.00	<20.00	1020.00	5.30	3.09	<37.10	<75.00	<100.00			800.00
01U350		16-Apr-91	F31		<6.01	131.00		<5.00	<15.00	<20.00		<5.32	<1.26					<8.17	610.00
01U350		18-May-91	F31									5.81	3.67					<8.17	2000.00
01U350		21-May-91	F31		<6.01														
01U350		18-Jun-91	F31		<6.01	97.80	<2.50	<5.00	<15.00	<20.00	926.00	6.29	<1.26	<37.10	<75.00	<100.00			
01U350	(4)	18-Jun-91	F31		<6.01	96.80	<2.50	<5.00	<15.00	<20.00	948.00	6.98	<1.26	<37.10	<75.00	<100.00			1100.00
01U350		23-Jul-91	F32		<6.01	117.00	<2.50	<5.00	<15.00	<20.00	1310.00	6.48	3.77	<37.10	<75.00	<100.00			980.00
01U350		30-Jul-91	F32																
01U350		19-Aug-91	F32		<6.01	140.00		<5.00	<15.00			6.20	8.46						910.00
01U350		17-Sep-91	F32		<6.01	137.00	<2.50	<5.00	<15.00	<20.00		7.99	4.93	<37.10	<75.00	<100.00			980.00
01U350		22-Oct-91	F33		<6.01	125.00		<5.00	<15.00			<63.10	<1.26						980.00
01U350	(4)	22-Oct-91	F33									<5.32							
01U350		19-Nov-91	F33		<6.01	154.00		<5.00	<15.00			6.02	<1.26						1300.00
01U350		17-Dec-91	F33		<6.01	147.00		<5.00	<15.00			6.07	<1.26						1400.00
01U350		21-Jan-92	F34		<6.01	140.00		<5.00	<15.00			<5.32	<1.26						1100.00
01U350	(4)	21-Jan-92	F34									<5.32							
01U350		18-Feb-92	F34		<6.01	137.00		<5.00	<15.00			6.18	1.27						1300.00
01U350		17-Mar-92	F34		<6.01	114.00		<5.00	<15.00			5.37	<1.26						11000.00
01U350	(4)	17-Mar-92	F34									5.49							
01U350		13-Apr-92	F35		<6.01	124.00		<5.00	<15.00			4.98	<1.26						1100.00
01U350		18-May-92	F35		<6.01	143.00		<5.00	<15.00			<5.32	1.28						1100.00
01U350		16-Jun-92	F35		<6.01	135.00		<5.00	<15.00			6.61	<1.26						1500.00
01U350	(4)	16-Jun-92	F35		<6.01							6.76	<1.26						
01U350		19-Jun-92	F35																
01U350		20-Jun-92	F35	<0.50			<0.10			1.60			<0.80	<1.00	<1.00	<1.00	<0.20		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
01U350		13-Sep-88	F19															
01U350		21-Sep-88	F19															
01U350		27-Sep-88	F19															
01U350		04-Oct-88	F20															
01U350		19-Oct-88	F20															
01U350		25-Oct-88	F20															
01U350		08-Nov-88	F20															
01U350		29-Nov-88	F20															
01U350		06-Dec-88	F20															
01U350		20-Dec-88	F20															
01U350		17-Jan-89	F21															
01U350		21-Feb-89	F21															
01U350		17-Jul-90	F27		91.00													
01U350		18-Sep-90	F27	23.50	72.90													
01U350		22-Oct-90	F29	62.89	535.97				269.90									
01U350		20-Nov-90	F29	54.04	83.56				107.77									
01U350		18-Dec-90	F29	36.54	111.51				62.62									
01U350		22-Jan-91	F30	37.31	169.78				199.39									
01U350		19-Feb-91	F30	28.10	170.00				94.61									
01U350		19-Mar-91	F30															
01U350		19-Mar-91	F30	18.90	140.00				130.00	<107.00	98000.00	<25.00	7990.00	7630.00	27900.00	<30.90	9740.00	<20.00
01U350		16-Apr-91	F31	28.60	91.30				127.00									
01U350		18-May-91	F31	27.10	48.40													
01U350		21-May-91	F31															
01U350		18-Jun-91	F31						43.70	<107.00	90000.00	<25.00	4190.00	6900.00	25800.00	<30.90	9990.00	<20.00
01U350	(4)	18-Jun-91	F31	31.10	39.50				63.10	<107.00	90000.00	<25.00	4250.00	6630.00	25600.00	<30.90	9670.00	<20.00
01U350		23-Jul-91	F32						38.70	501.00	140000.00	<25.00	5610.00	6660.00	41200.00	<30.90	11600.00	<20.00
01U350		30-Jul-91	F32	35.50	370.00													
01U350		19-Aug-91	F32	14.70	99.30				43.70									
01U350		17-Sep-91	F32	32.70	55.10				72.20			<25.00						
01U350		22-Oct-91	F33	20.80	890.00				17.30									
01U350	(4)	22-Oct-91	F33															
01U350		19-Nov-91	F33	130.00	160.00				28.50									
01U350		17-Dec-91	F33	28.60	43.30				172.00									
01U350		21-Jan-92	F34	30.70	48.90				98.70									
01U350	(4)	21-Jan-92	F34															
01U350		18-Feb-92	F34	20.80	63.30				83.40									
01U350		17-Mar-92	F34	16.30	31.40				58.00									
01U350	(4)	17-Mar-92	F34															
01U350		13-Apr-92	F35	27.10	29.80													
01U350		18-May-92	F35	71.90	61.90				50.90									
01U350		16-Jun-92	F35	20.60	76.40				28.50									
01U350	(4)	16-Jun-92	F35															
01U350		19-Jun-92	F35												8000.00			
01U350		20-Jun-92	F35								2480.00	<1.00						

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U350			21-Jul-92	F36		<6.01							<5.32	<1.26						1300.00
01U350			18-Aug-92	F36		<6.01							5.21	2.25						1100.00
01U350	(4)		18-Aug-92	F36			143.00		<5.00	<15.00			<5.32	1.75						1200
01U350			15-Sep-92	F36		<6.01	148.00		<5.00	<15.00			<5.32	<1.26						1100
01U350			20-Oct-92	F37		<6.01	131.00		<5.00	<15.00			<5.32	<1.26						1000.00
01U350			03-Nov-92	F37		<6.01	138.00		<5.00	<15.00			<5.32							1200.00
01U350			01-Dec-92	F37		<6.01	161.00		<5.00	<15.00			6.08	<1.26						1300.00
01U350			05-Jan-93	F38		<6.01	125.00		<5.00	<15.00			<5.32	<1.26						1500.00
01U350			02-Feb-93	F38		<6.01	111.00		<5.00	<15.00			<5.32	<1.26						1200.00
01U350			02-Mar-93	F38		<6.01	106.00		<5.00	<15.00			<5.32	<1.26						1100.00
01U350			19-Apr-93	F39		<6.01	98.80		<5.00	<15.00			<5.32	2.64						1200.00
01U350			07-May-93	F39		<6.01	95.80		<5.00	<15.00			<5.32	<1.26						
01U350			01-Jun-93	F39		<6.01	91.70		<5.00	<15.00			<5.32	<1.26						
01U350	(4)		01-Jun-93	F39															<8.17	1200.00
01U350			22-Jul-93	F40		<6.01	117.00		<5.00	<15.00			<5.32	9.10					<8.17	
01U350			16-Aug-93	F40		<6.01	130.00		<5.00	<15.00			<5.32	<1.26						1200.00
01U350			14-Sep-93	F40		<6.01	143.00		<5.00	<15.00			<5.32	1.44						1100.00
01U350		NC	27-Oct-93	F41		<6.01	128.00		<5.00	<15.00			<5.32	<1.26						1100.00
01U350	(6)		27-Oct-93			JAK 004	IFN 004		IFN 004	IFN 004			GPQ 004	JBJ 004						1100.00
01U350		NC	09-Dec-93	F41		<6.01	110.00		<5.00	<15.00			<5.32	7.14						IAP 004
01U350	(6)		09-Dec-93			JAL 004	IFS 004		IFS 004	IFS 004			GPR 004	JBK 004						1100.00
01U350	(5)	13234	27-Jan-94	F42		<12.00	109.00		<5.00	<15.00			<5.00	15.50						IAQ 004
01U350	(6)		27-Jan-94			EAS 002	IFX 004		IFX 004	IFX 004			EJY 002	EBS 002						1200.00
01U350		29327	15-Feb-94	F42		<3.00	118.00		<5.00	<15.00			<5.00	25.80						IAU 004
01U350	(6)		15-Feb-94			EAV 005	IFZ 004		IFZ 004	IFZ 004			EOJ 002	EBV 002						1100.00
01U350		53384	15-Mar-94	F42		<3.00	83.70		<5.00	<15.00			<5.00	<4.00				<0.74		IAU 008
01U350	(6)		15-Mar-94			EAZ 010	IQE 013		IQE 013	IQE 013			EOX 011	EQA 011				IJN 014		1100.00
01U350		83402	21-Apr-94	F43		<3.00	73.60		<5.00	<15.00			<5.00	4.68						IAX 008
01U350	(6)		21-Apr-94			ESH 002	IQH 004		IQH 004	IQH 004			EVA 003	EQD 003						
01U350		124044	08-Jun-94	F43		<3.00	88.70		<5.00	<15.00			<5.00	<4.00						
01U350	(6)		08-Jun-94			ESN 002	IQK 005		IQK 005	IQK 005			EXA 002	EQG 002						
01U350		208191	07-Sep-94	F44	<12.50						<20.00	166.00			<37.10	<75.00	<100.00			
01U350	(6)		07-Sep-94		IQP 010						IQP 010	IQP 010			IQP 010	IQP 010	IQP 010			
01U351		NC	11-Mar-94	F42		3.19	37.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U351	(6)		11-Mar-94			EAY 017	IQC 019		IQC 019	IQC 019			EOS 017	EBY 017				IJM 019		
01U351		106330	13-May-94	F43		<3.00	38.30		<5.00	<15.00	93.40		20.10	76.00				<0.74	<8.17	
01U351	(6)		13-May-94			ESM 003	IQJ 004		IQJ 004	IQJ 004	IQJ 004		EWB 003	EQF 003				IJQ 004	IMG 004	
01U351		125210	09-Jun-94	F43	<13.00	<3.00	47.40	<2.50	<5.00	<15.00	20.10	189.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		
01U351	(6)		09-Jun-94		IQKK 004	ESN 006	IQK 007	IQK 007	IQK 007	IQK 007	IQK 007	IQKK 004	EXA 006	EQG 006	IQK 007	IQK 007	IQK 007	IJR 004		
01U351		144800	06-Jul-94	F44	<13.00	<62.90	47.40	<2.50	<5.00	<15.00	<20.00	244.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U351	(6)		06-Jul-94		IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IJS 004		
01U351		172073	03-Aug-94	F44	<13.00	<62.90	51.40	<2.50	<5.00	<15.00	<20.00	280.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U351	(6)		03-Aug-94		IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IJT 005		
01U351		207160	07-Sep-94	F44	<12.50	<62.90	65.50	<2.50	<5.00	<15.00	<20.00	333.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U351	(6)		07-Sep-94		IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IJV 004		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U350			21-Jul-92	F36	10.30	39.90													
01U350			18-Aug-92	F36	21.80	55.00													
01U350	(4)		18-Aug-92	F36						233.00									
01U350			15-Sep-92	F36	42.50	218.00				36.60									
01U350			20-Oct-92	F37	14.30	51.40				25.40									
01U350			03-Nov-92	F37	19.30	76.20				19.30									
01U350			01-Dec-92	F37	82.50	100.00				24.40									
01U350			05-Jan-93	F38	16.50	33.20				37.60									
01U350			02-Feb-93	F38	32.40	33.20				32.60									
01U350			02-Mar-93	F38	15.50	17.50				40.70									
01U350			19-Apr-93	F39	11.00	24.50				47.80									
01U350			07-May-93	F39	<10.30	24.50				46.80									
01U350			01-Jun-93	F39	<10.30	31.20				25.40									
01U350	(4)		01-Jun-93	F39															
01U350			22-Jul-93	F40	14.20	10.90				433.00									
01U350			16-Aug-93	F40	21.30	19.90				37.60									
01U350			14-Sep-93	F40	46.50	81.20				99.70									
01U350		NC	27-Oct-93	F41	15.70	35.30				44.80									
01U350	(6)		27-Oct-93		IIJ 004	GXW 004				IFN 004									
01U350		NC	09-Dec-93	F41	24.30	35.00				446.00									
01U350	(6)		09-Dec-93		IIL 004	GXX 004				IFS 004									
01U350	(5)	13234	27-Jan-94	F42	20.20	28.60				49.80									
01U350	(6)		27-Jan-94		IIO 004	GXZ 004				IFX 004									
01U350		29327	15-Feb-94	F42	23.30	58.70				207.00									
01U350	(6)		15-Feb-94		IIQ 004	ISA 004				IFZ 004									
01U350		53384	15-Mar-94	F42	28.90	50.40				16.30			<1.00						<20.00
01U350	(6)		15-Mar-94		IIS 008	ISB 007				IQE 013			EOY 011						IQE 013
01U350		83402	21-Apr-94	F43	13.20	40.60				35.60									
01U350	(6)		21-Apr-94		IIU 004	ISD 004				IQH 004									
01U350		124044	08-Jun-94	F43															
01U350	(6)		08-Jun-94																
01U350		208191	07-Sep-94	F44													<30.90		
01U350	(6)		07-Sep-94														IQP 010		
01U351		NC	11-Mar-94	F42						<13.00			<1.00						<20.00
01U351	(6)		11-Mar-94							IQC 019			EOR 017						IQC 019
01U351		106330	13-May-94	F43						3300.00									
01U351	(6)		13-May-94																
01U351		125210	09-Jun-94	F43						162.00									
01U351	(6)		09-Jun-94							IQK 007									
01U351		144800	06-Jul-94	F44						71.20									
01U351	(6)		06-Jul-94							IQL 007									
01U351		172073	03-Aug-94	F44						60.00									
01U351	(6)		03-Aug-94							IQM 004									
01U351		207160	07-Sep-94	F44						36.60									
01U351	(6)		07-Sep-94							IQP 021									

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U351		208191	07-Sep-94	F44																
01U351	(6)		07-Sep-94																	
01U352		NC	11-Mar-94	F42		<3.00	55.40		<5.00	<15.00			<5.00	<4.00				<0.74		
01U352	(6)		11-Mar-94			EAY 016	IQC 018		IQC 018	IQC 018			EOS 016	EBY 016				IJM 018		
01U352		106330	13-May-94	F43		<3.00	40.30		<5.00	<15.00	480.00		14.30	74.00				<0.74	<8.17	
01U352	(6)		13-May-94			ESM 002	IQJ 007		IQJ 007	IQJ 007	IQJ 007		EWB 002	EQF 002				IJQ 005	IMG 007	
01U352	(4)		13-May-94	F43														<0.74		
01U352	(6)		13-May-94															IJQ 006		
01U352		125210	09-Jun-94	F43	<13.00	<3.00	117.00	<2.50	<5.00	<15.00	20.10	498.00	<5.00	11.60	<37.10	<75.00	<100.00	<0.74		
01U352	(6)		09-Jun-94		IQKK 007	ESN 007	IQK 010	IQK 010	IQK 010	IQK 010	IQK 010	IQKK 007	EXA 003	EQG 003	IQK 010	IQK 010	IQK 010	IJR 005		
01U352		144800	06-Jul-94	F44	<13.00	<62.90	134.00	<2.50	<5.00	<15.00	<20.00	436.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U352	(6)		06-Jul-94		IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IJS 007		
01U352		172073	03-Aug-94	F44	<13.00	<62.90	99.80	<2.50	<5.00	<15.00	<20.00	427.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U352	(6)		03-Aug-94		IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IJT 006		
01U352		207160	07-Sep-94	F44	<12.50	<62.90	101.00	<2.50	<5.00	<15.00	<20.00	400.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U352	(6)		07-Sep-94		IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IJV 005		
01U352		208191	07-Sep-94	F44																
01U352	(6)		07-Sep-94																	
01U352		208191	07-Sep-94	F44																
01U352	(6)		07-Sep-94																	
01U353		NC	11-Mar-94	F42		<3.00	60.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U353	(6)		11-Mar-94			EAY 015	IQC 017		IQC 017	IQC 017			EOS 015	EBY 015				IJM 017		
01U353		106330	13-May-94	F43		<3.00	64.50		<5.00	<15.00	82.30		<5.00	6.40				<0.74	<8.17	
01U353	(6)		13-May-94			ESM 006	IQJ 008		IQJ 008	IQJ 008	IQJ 008		EWB 006	EQF 006				IJQ 007	IMG 008	
01U353		125210	09-Jun-94	F43	<13.00	<3.00	103.00	<2.50	<5.00	<15.00	<20.00	644.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		
01U353	(6)		09-Jun-94		IQKK 008	ESN 003	IQK 011	IQK 011	IQK 011	IQK 011	IQK 011	IQKK 008	EXA 007	EQG 007	IQK 011	IQK 011	IQK 011	IJR 006		
01U353		144800	06-Jul-94	F44	<13.00	<62.90	110.00	<2.50	<5.00	<15.00	<20.00	682.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U353	(6)		06-Jul-94		IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IJS 008		
01U353		172073	03-Aug-94	F44	16.30	<62.90	99.80	<2.50	<5.00	<15.00	<20.00	660.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U353	(6)		03-Aug-94		IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IJT 007		
01U353		207160	07-Sep-94	F44	<12.50	<62.90	122.00	<2.50	<5.00	<15.00	<20.00	690.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U353	(6)		07-Sep-94		IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IJV 006		
01U353		208191	07-Sep-94	F44																
01U353	(6)		07-Sep-94																	
01U354		NC	10-Mar-94	F42		<3.00	35.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U354	(6)		10-Mar-94			EAY 014	IQC 016		IQC 016	IQC 016			EOS 014	EBY 014				IJM 016		
01U354		106330	13-May-94	F43		<3.00	98.80		<5.00	<15.00	707.00		10.40	86.00				<0.74	<8.17	
01U354	(6)		13-May-94			ESM 007	IQJ 009		IQJ 009	IQJ 009	IQJ 009		EWB 007	EQF 007				IJQ 008	IMG 009	
01U354	(4)		13-May-94	F43		<3.00	64.50		<5.00	<15.00	343.00		<5.00	31.90						
01U354	(6)		13-May-94			ESM 008	IQJ 010		IQJ 010	IQJ 010	IQJ 010		EWB 008	EQF 008						
01U354		125210	09-Jun-94	F43	<13.00	4.29	29.20	<2.50	<5.00	<15.00	<20.00	279.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		
01U354	(6)		09-Jun-94		IQKK 009	ESN 008	IQK 012	IQK 012	IQK 012	IQK 012	IQK 012	IQKK 009	EXA 008	EQG 008	IQK 012	IQK 012	IQK 012	IJR 007		
01U354		144800	06-Jul-94	F44	<13.00	<62.90	40.30	<2.50	<5.00	<15.00	<20.00	244.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U351		208191	07-Sep-94	F44															
01U351	(6)		07-Sep-94														<30.90 IQP 017		
01U352		NC	11-Mar-94	F42						15.30 IQC 018			<1.00 EOR 016						<20.00 IQC 018
01U352	(6)		11-Mar-94																
01U352		106330	13-May-94	F43						3520.00 IQJ 007									
01U352	(6)		13-May-94																
01U352	(4)		13-May-94	F43															
01U352	(6)		13-May-94																
01U352		125210	09-Jun-94	F43						349.00 IQK 010									
01U352	(6)		09-Jun-94																
01U352		144800	06-Jul-94	F44						589.00 IQL 008									
01U352	(6)		06-Jul-94																
01U352		172073	03-Aug-94	F44						69.20 IQM 005									
01U352	(6)		03-Aug-94																
01U352		207160	07-Sep-94	F44						45.80 IQP 022									
01U352	(6)		07-Sep-94																
01U352		208191	07-Sep-94	F44													<30.90 IQP 016		
01U352	(6)		07-Sep-94														<30.90 IQR 014		
01U353		NC	11-Mar-94	F42						13.20 IQC 017			<1.00 EOR 015						<20.00 IQC 017
01U353	(6)		11-Mar-94																
01U353		106330	13-May-94	F43						298.00 IQJ 008									
01U353	(6)		13-May-94																
01U353		125210	09-Jun-94	F43						60.00 IQK 011									
01U353	(6)		09-Jun-94																
01U353		144800	06-Jul-94	F44						42.70 IQL 009									
01U353	(6)		06-Jul-94																
01U353		172073	03-Aug-94	F44						44.80 IQM 006									
01U353	(6)		03-Aug-94																
01U353		207160	07-Sep-94	F44						40.70 IQP 023									
01U353	(6)		07-Sep-94																
01U353		208191	07-Sep-94	F44													<30.90 IQP 015		
01U353	(6)		07-Sep-94																
01U354		NC	10-Mar-94	F42						<13.00 IQC 016			<1.00 EOR 014						<20.00 IQC 016
01U354	(6)		10-Mar-94																
01U354		106330	13-May-94	F43						1460.00 IQJ 009									
01U354	(6)		13-May-94																
01U354	(4)		13-May-94	F43						439.00 IQJ 010									
01U354	(6)		13-May-94																
01U354		125210	09-Jun-94	F43						44.80 IQK 012									
01U354	(6)		09-Jun-94																
01U354		144800	06-Jul-94	F44						35.60									

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U354	(6)		06-Jul-94		IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IJS 009		
01U354		172073	03-Aug-94	F44	<13.00	<62.90	38.30	<2.50	<5.00	<15.00	<20.00	237.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U354	(6)		03-Aug-94		IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IJT 008		
01U354		207160	07-Sep-94	F44	<12.50	<62.90	44.40	<2.50	<5.00	<15.00	<20.00	253.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U354	(6)		07-Sep-94		IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IJV 007		
01U354		208191	07-Sep-94	F44																
01U354	(6)		07-Sep-94																	
01U354		208191	07-Sep-94	F44																
01U354	(6)		07-Sep-94																	
01U355		48771	10-Mar-94	F42		7.78	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U355	(6)		10-Mar-94			EAZ 002	IQE 004		IQE 004	IQE 004			EOX 002	EQA 002				IJN 005		
01U355		106330	13-May-94	F43		5.84	<20.00		<5.00	<15.00	37.10		<5.00	<4.00				<0.74	<8.17	
01U355	(6)		13-May-94			ESM 009	IQJ 011		IQJ 011		IQJ 011		EWB 009	EQF 009				IJQ 009	IMG 010	
01U355		125210	09-Jun-94	F43	<13.00	<3.00	90.70	<2.50	<5.00	<15.00	<20.00	633.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		
01U355	(6)		09-Jun-94		IQKK 010	ESN 009	IQK 013	IQK 013	IQK 013	IQK 013	IQK 013	IQKK 010	EXA 009	EQG 009	IQK 013	IQK 013	IQK 013	IJR 008		
01U355		144800	06-Jul-94	F44	<13.00	<62.90	89.70	<2.50	<5.00	<15.00	24.10	580.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U355	(6)		06-Jul-94		IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IJS 010		
01U355		172073	03-Aug-94	F44	<13.00	<62.90	78.60	<2.50	<5.00	<15.00	<20.00	2050.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U355	(6)		03-Aug-94		IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IJT 009		
01U355		207160	07-Sep-94	F44	<12.50	<62.90	67.50	<2.50	<5.00	<15.00	<20.00	489.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U355	(6)		07-Sep-94		IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IJV 010		
01U355			08-Sep-94	F44																
01U355	(6)		08-Sep-94																	
01U355			08-Sep-94	F44																
01U355	(6)		08-Sep-94																	
01U356		48771	10-Mar-94	F42		<3.00	57.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U356	(6)		10-Mar-94			EAZ 006	IQE 005		IQE 005	IQE 005			EOX 006	EQA 006				IJN 006		
01U356		106330	13-May-94	F43		<3.00	73.60		<5.00	<15.00	229.00		20.60	17.40				<0.74	<8.17	
01U356	(6)		13-May-94			ESM 010	IQJ 012		IQJ 012	IQJ 012	IQJ 012		EWB 010	EQF 010				IJQ 010	IMG 011	
01U356		125210	09-Jun-94	F43	<13.00	<3.00	74.60	<2.50	<5.00	<15.00	<20.00	569.00	<5.00	6.44	<37.10	<75.00	<100.00	<0.74		
01U356	(6)		09-Jun-94		IQKK 011	ESN 010	IQK 014	IQK 014	IQK 014	IQK 014	IQK 014	IQKK 011	EXA 010	EQG 010	IQK 014	IQK 014	IQK 014	IJR 009		
01U356		144800	06-Jul-94	F44	<13.00	<62.90	153.00	<2.50	<5.00	<15.00	23.10	503.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U356	(6)		06-Jul-94		IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IJS 011		
01U356		172073	03-Aug-94	F44	<13.00	<62.90	59.50	<2.50	<5.00	<15.00	<20.00	444.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U356	(6)		03-Aug-94		IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IJT 010		
01U356		207160	07-Sep-94	F44	<12.50	<62.90	54.40	<2.50	<5.00	<15.00	<20.00	419.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U356	(6)		07-Sep-94		IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IJV 011		
01U356			08-Sep-94	F44																
01U356	(6)		08-Sep-94																	
01U357		48771	10-Mar-94	F42		<3.00	25.20		<5.00	<15.00			<5.00	6.71				<0.74		
01U357	(6)		10-Mar-94			EAZ 007	IQE 006		IQE 006	IQE 006			EOX 007	EQA 007				IJN 007		
01U357		106330	13-May-94	F43		<3.00	36.30		<5.00	<15.00	46.20		<5.00	<4.00				<0.74	<8.17	
01U357	(6)		13-May-94			ESM 011	IQJ 013		IQJ 013		IQJ 013		EWB 011	EQF 011				IJQ 011	IMG 012	

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U354	(6)		06-Jul-94							IQL 010									
01U354		172073	03-Aug-94	F44						48.80									
01U354	(6)		03-Aug-94							IQM 009									
01U354		207160	07-Sep-94	F44						31.50									
01U354	(6)		07-Sep-94							IQP 024									
01U354		208191	07-Sep-94	F44													<30.90		
01U354	(6)		07-Sep-94														IQP 012		
01U354		208191	07-Sep-94	F44													<30.90		
01U354	(6)		07-Sep-94														IQR 013		
01U355		48771	10-Mar-94	F42						17.30			<1.00						<20.00
01U355	(6)		10-Mar-94							IQE 004			EOY 002						IQE 004
01U355		106330	13-May-94	F43						138.00									
01U355	(6)		13-May-94							IQJ 011			IQJ 011						
01U355		125210	09-Jun-94	F43						60.00									
01U355	(6)		09-Jun-94							IQK 013									
01U355		144800	06-Jul-94	F44						167.00									
01U355	(6)		06-Jul-94							IQL 011									
01U355		172073	03-Aug-94	F44						72.20									
01U355	(6)		03-Aug-94							IQM 010									
01U355		207160	07-Sep-94	F44						24.40									
01U355	(6)		07-Sep-94							IQQ 004									
01U355			08-Sep-94	F44													<30.90		
01U355	(6)		08-Sep-94														IQS 010		
01U355			08-Sep-94	F44													<30.90		
01U355	(6)		08-Sep-94														IQS 014		
01U356		48771	10-Mar-94	F42						13.20			<1.00						<20.00
01U356	(6)		10-Mar-94							IQE 005			EOY 006						IQE 005
01U356		106330	13-May-94	F43						101.00									
01U356	(6)		13-May-94							IQJ 012									
01U356		125210	09-Jun-94	F43						23.40									
01U356	(6)		09-Jun-94							IQK 014									
01U356		144800	06-Jul-94	F44						426.00									
01U356	(6)		06-Jul-94							IQL 012									
01U356		172073	03-Aug-94	F44						30.50									
01U356	(6)		03-Aug-94							IQM 011									
01U356		207160	07-Sep-94	F44						18.30									
01U356	(6)		07-Sep-94							IQQ 005									
01U356			08-Sep-94	F44													<30.90		
01U356	(6)		08-Sep-94														IQS 011		
01U357		48771	10-Mar-94	F42						<13.00			<1.00						<20.00
01U357	(6)		10-Mar-94							IQE 006			EOY 007						IQE 006
01U357		106330	13-May-94	F43						29.50									
01U357	(6)		13-May-94							IQJ 013			IQJ 013						

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U357		125210	09-Jun-94	F43	<13.00	<3.00	61.50	<2.50	<5.00	<15.00	<20.00	256.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		
01U357	(6)		09-Jun-94		IQKK 012	ESN 011	IQK 015	IQK 015	IQK 015	IQK 015	IQK 015	IQKK 012	EXA 011	EQG 011	IQK 015	IQK 015	IQK 015	IJR 010		
01U357		144800	06-Jul-94	F44	<13.00	<62.90	52.40	<2.50	<5.00	<15.00	<20.00	228.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U357	(6)		06-Jul-94		IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IJS 012		
01U357		172073	03-Aug-94	F44	<13.00	<62.90	41.30	<2.50	<5.00	<15.00	<20.00	227.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U357	(6)		03-Aug-94		IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IJT 011		
01U357		207160	07-Sep-94	F44	<12.50	<62.90	42.30	<2.50	<5.00	<15.00	<20.00	201.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U357	(6)		07-Sep-94		IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IJV 012		
01U357			08-Sep-94	F44																
01U357	(6)		08-Sep-94																	
01U357			08-Sep-94	F44																
01U357	(6)		08-Sep-94																	
01U358		48771	10-Mar-94	F42		<3.00	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U358	(6)		10-Mar-94			EAZ 008	IQE 007		IQE 007	IQE 007			EOX 008	EQA 008				IJN 010		
01U358		106330	13-May-94	F43		<3.00							<5.00	16.40				<0.74	<8.17	
01U358	(6)		13-May-94			ESM 012							EWB 012	EQF 012				IJQ 012	IMG 013	
01U358		125210	09-Jun-94	F43	<13.00	<3.00	43.30	<2.50	<5.00	<15.00	<20.00	180.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		
01U358	(6)		09-Jun-94		IQKK 013	ESN 012	IQK 016	IQK 016	IQK 016	IQK 016	IQK 016	IQKK 013	EXA 012	EQG 012	IQK 016	IQK 016	IQK 016	IJR 011		
01U358		144800	06-Jul-94	F44	<13.00	<62.90	84.70	<2.50	<5.00	<15.00	28.10	176.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358	(6)		06-Jul-94		IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IJS 013		
01U358		172073	03-Aug-94	F44	<13.00	<62.90	34.30	<2.50	<5.00	<15.00	<20.00	168.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358	(6)		03-Aug-94		IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IJT 014		
01U358	(4)		03-Aug-94	F44	<13.00	<62.90	41.30	<2.50	<5.00	<15.00	<20.00	222.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358	(6)		03-Aug-94		IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IJT 015		
01U358		207160	07-Sep-94	F44	<12.50	<62.90	37.30	<2.50	<5.00	<15.00	<20.00	164.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358	(6)		07-Sep-94		IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IJV 013		
01U358	(4)	207160	07-Sep-94	F44	<12.50	<62.90	37.30	<2.50	<5.00	<15.00	<20.00	164.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358	(6)		07-Sep-94		IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IJV 014		
01U358			08-Sep-94	F44																
01U358	(6)		08-Sep-94																	
01U524			16-Nov-87	F16		<4.81														
01U524			17-Nov-87	F16	3.22		<220.00	<1.47	0.68	4.45	2.48		<5.94	2.86	<10.00	<3.06	3.83	<0.70	<8.35	
01U524			07-Apr-88	F18		<6.01	130.00		<0.37	<2.50			<5.32	<1.26						
01U524			16-Aug-88	F19		<6.01	200.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
01U525			16-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	0.44	2.33	3.22	35.00	<5.94	3.06	<10.00	<3.06	<2.70	<0.70		
01U525			07-Apr-88	F18		<6.01	81.00		<0.37	<2.50			<5.32	<1.26						
01U525			15-Aug-88	F19		<6.01	200.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
01U526			17-Nov-87	F16	2.92	<4.81	<220.00	<1.47	0.92	5.46	2.57	20.00	6.21	<2.65	<10.00	4.32	<2.70	<0.70	10.50	
01U526			07-Apr-88	F18		<6.01	84.00		<0.37	<2.50			<5.32	<1.26						
01U526			15-Aug-88	F19		<6.01	69.90		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
01U527			17-Nov-87	F16	<1.93	<4.81	270.00	<1.47	0.19	3.29	1.63	42.00	<5.94	<2.65	<10.00	<3.06	5.11			

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U357		125210	09-Jun-94	F43						26.40									
01U357	(6)		09-Jun-94							IQK 015									
01U357		144800	06-Jul-94	F44						23.40									
01U357	(6)		06-Jul-94							IQL 013									
01U357		172073	03-Aug-94	F44						29.50									
01U357	(6)		03-Aug-94							IQM 012									
01U357		207160	07-Sep-94	F44						27.50									
01U357	(6)		07-Sep-94							IQQ 006									
01U357			08-Sep-94	F44													<30.90		
01U357	(6)		08-Sep-94														IQS 012		
01U357			08-Sep-94	F44													<30.90		
01U357	(6)		08-Sep-94														IQS 015		
01U358		48771	10-Mar-94	F42						13.20			<1.00						<20.00
01U358	(6)		10-Mar-94							IQE 007			EOY 008						IQE 007
01U358		106330	13-May-94	F43															
01U358	(6)		13-May-94																
01U358		125210	09-Jun-94	F43						67.10									
01U358	(6)		09-Jun-94							IQK 016									
01U358		144800	06-Jul-94	F44						808.00									
01U358	(6)		06-Jul-94							IQL 014									
01U358		172073	03-Aug-94	F44						35.60									
01U358	(6)		03-Aug-94							IQM 013									
01U358	(4)		03-Aug-94	F44						25.40									
01U358	(6)		03-Aug-94							IQM 014									
01U358		207160	07-Sep-94	F44						36.60									
01U358	(6)		07-Sep-94							IQQ 007									
01U358	(4)	207160	07-Sep-94	F44						34.60									
01U358	(6)		07-Sep-94							IQQ 010									
01U358			08-Sep-94	F44													<30.90		
01U358	(6)		08-Sep-94														IQS 013		
01U524			16-Nov-87	F16															
01U524			17-Nov-87	F16			3.50	4.40		<29.40									
01U524			07-Apr-88	F18															
01U524			16-Aug-88	F19						<25.00									
01U525			16-Nov-87	F16						<29.40									
01U525			07-Apr-88	F18															
01U525			15-Aug-88	F19						<25.00									
01U526			17-Nov-87	F16			2.50	6.80		<29.40									
01U526			07-Apr-88	F18															
01U526			15-Aug-88	F19						<25.00									
01U527			17-Nov-87	F16						<29.40									

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U527			11-Apr-88	F18		<6.01	420.00		<0.37	<2.50			<5.32	<1.26						
01U527			25-Aug-88	F19		<6.01	260.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
01U601			07-Dec-87	F16	<1.93	9.28	120.00	<1.47	0.20	<2.18	14.90	150.00	6.73	<2.65	<10.00	<3.06	<2.70	<0.70		
01U604			07-Dec-87	F16	<1.93	<4.81	310.00	<1.47	0.46	5.06	3.37	4500.00	98.00	5.10	<10.00	<3.06	<2.70	<0.70	<8.35	
01U604			01-Mar-94	M42	<1.00			<0.20				6900.00	22.00		<6.00	<5.00	7.00	<0.20		
01U611			08-Dec-87	F16	<1.93	7.73	250.00	<1.47	0.28	2.53	2.67	290.00	9.32	<2.65	<10.00	<3.06	<2.70	<0.70		
01U611			01-Mar-94	M42	<1.00			<0.20				160.00	<20.00		<6.00	<5.00	<2.00	<0.20		
01U615			07-Dec-87	F16	<1.93	<4.81	193.00	<1.47	<0.10	<2.18	2.87	960.00	7.25	<2.65	<10.00	<3.06	<2.70	<0.70		
01U617			19-Aug-88	F19		<6.01	134.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
01U618			19-Aug-88	F19		<6.01	106.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
01U619			19-Aug-88	F19		<6.01	49.40		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
01U901		NC	11-Mar-94	F42		<3.00	35.30		<5.00	<15.00			66.00	<4.00				<0.74		
01U901	(6)		11-Mar-94			EAY 022	IQC 024		IQC 024	IQC 024			EOS 021	EBY 022				IJM 026		
01U901		NC	12-Sep-94	F44	<12.50						<20.00	121.00			<37.10	<75.00	<100.00			
01U901	(6)		12-Sep-94		IQS 017						IQS 017	IQS 017			IQS 017	IQS 017	IQS 017			
01U902			19-Mar-91	F30		<6.01	51.40	<2.50	<5.00	<15.00	<20.00	369.00	<5.32	<1.26	<37.10	<75.00	<100.00			
01U902			09-Mar-92	F34		8.87	140.00		<0.10	<2.18			<5.94	<2.65						
01U902			09-Mar-92	M34	<0.10	6.20	100.00	<0.40	0.15	2.30	10.00		<1.00	1.30	<2.00	<1.00	<0.50	<0.10		
01U902			21-Jun-92	F35		7.95														
01U902	(5)	62588	23-Mar-94	F42		<3.00	103.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U902	(6)		23-Mar-94			EAZ 012	IQE 015		IQE 015	IQE 015			EOX 013	EQA 013				IJN 018		
01U902		NC	12-Sep-94	F44	<12.50						<20.00	675.00			<37.10	<75.00	<100.00			
01U902	(6)		12-Sep-94		IQS 018						IQS 018	IQS 018			IQS 018	IQS 018	IQS 018			
01U903		NC	11-Mar-94	F42		<3.00	80.60		<5.00	<15.00			250.00	<4.00				<0.74		
01U903	(6)		11-Mar-94			EAY 021	IQC 023		IQC 023	IQC 023			EOS 020	EBY 021				IJM 025		
01U903		106330	13-May-94	F43		<3.00	138.00		<5.00	5500.00	23.10		380.00	<4.00				<0.74	<8.17	
01U903	(6)		13-May-94			ESM 015	IQJ 017		IQJ 017	IQJ 017			EWB 016	EQF 015				IJQ 017	IMG 016	
01U903			09-Jun-94	M43		6.10			< 0.05	4300.00	10.00		360.00	< 1.00	6.10			< 0.10		
01U903		NC	12-Sep-94	F44	<12.50						<20.00	189.00			<37.10	<75.00	<100.00			
01U903	(6)		12-Sep-94		IQS 019						IQS 019	IQS 019			IQS 019	IQS 019	IQS 019			
01U903			03-Aug-94	M44		2.00				6.40			320.00		< 2.00					
01U903			03-Aug-94	M44		2.20				12.00			340.00		< 2.00					
01U904			11-Mar-94	F42																
01U904	(6)		11-Mar-94															<0.74		
01U904	(5)	NC	11-Mar-94	F42		<3.00	89.70		<5.00	<15.00			270.00	<4.00				IJM 024		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank	Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U527			11-Apr-88	F18															
01U527			25-Aug-88	F19						<25.00									
01U601			07-Dec-87	F16						1010.00									
01U604			07-Dec-87	F16						1440.00									
01U604			01-Mar-94	M42						1000.00									
01U611			08-Dec-87	F16						50.10									
01U611			01-Mar-94	M42						<20.00									
01U615			07-Dec-87	F16						50.10									
01U617			19-Aug-88	F19						<25.00									
01U618			19-Aug-88	F19						<25.00									
01U619			19-Aug-88	F19						<25.00									
01U901		NC	11-Mar-94	F42						<13.00			<1.00						<20.00
01U901	(6)		11-Mar-94							IQC 024			EOR 022						IQC 024
01U901		NC	12-Sep-94	F44													<30.90		
01U901	(6)		12-Sep-94														IQS 017		
01U902			19-Mar-91	F30						36.60	<107.00	59000.00	<25.00	630.00	1880.00	11900.00	<30.90	7220.00	<20.00
01U902			09-Mar-92	F34															
01U902			09-Mar-92	M34						25.00	37.00		<0.50						<2.00
01U902			21-Jun-92	F35															
01U902	(5)	62588	23-Mar-94	F42						13.20			<1.00						<20.00
01U902	(6)		23-Mar-94							IQE 015			EOY 013						IQE 015
01U902		NC	12-Sep-94	F44													<30.90		
01U902	(6)		12-Sep-94														IQS 018		
01U903		NC	11-Mar-94	F42						<13.00			3.33						<20.00
01U903	(6)		11-Mar-94							IQC 023			EOR 021						IQC 023
01U903		106330	13-May-94	F43						25.40									
01U903	(6)		13-May-94							IQJ 017			IQJ 017						
01U903			09-Jun-94	M43						2.60									3.50
01U903		NC	12-Sep-94	F44													39.50		
01U903	(6)		12-Sep-94														IQS 019		
01U903			03-Aug-94	M44															
01U903			03-Aug-94	M44															
01U904			11-Mar-94	F42															
01U904	(6)		11-Mar-94																
01U904	(5)	NC	11-Mar-94	F42						<13.00			1.53						<20.00

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U904	(6)		11-Mar-94			EAY 020	IQC 022		IQC 022	IQC 022			EOS 023	EBY 020						
01U904		106330	13-May-94	F43		<3.00	67.50		<5.00	8000.00	29.10		330.00	<4.00				<0.74		
01U904	(6)		13-May-94			ESM 016	IQJ 018		IQJ 018	IQJ 018	IQJ 018		EWB 017	EQF 016				IJQ 018		
01U904	(4)		13-May-94	F43		<3.00	74.60		<5.00	10000.00	38.20		350.00	<4.00				<0.74		
01U904	(6)		13-May-94			ESM 018	IQJ 020		IQJ 020	IQJ 020	IQJ 020		EWB 018	EQF 018				IJQ 020		
01U904			09-Jun-94	M43		< 1.00			< 0.05	210.00	5.60		310.00	< 1.00	< 2.00			< 0.10		
01U904		NC	12-Sep-94	F44	<12.50						<20.00	47.20			<37.10	<75.00	<100.00			
01U904	(6)		12-Sep-94		IQS 020						IQS 020	IQS 020			IQS 020	IQS 020	IQS 020			
01U904			03-Aug-94	M44		< 1.00				12.00			330.00		< 2.00					
01U904			03-Aug-94	M44		< 1.00				6.30			270.00		< 2.00					
03F302			20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	<10.00		<50.00	8.00				<0.20	<10.00	
03F302			19-Jul-89	A23		<2.00	<200.00		<0.10	<1.00	<10.00		<50.00	7.00				<0.20	<10.00	
03F302			24-Oct-89	A24		<5.00	70.00		<8.00	<9.00	<4.00		<16.00	2.00				<0.20	<10.00	
03F302			18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	
03F303			20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	710.00		<50.00	91.00				<0.20	<10.00	
03F303			19-Jul-89	A23		3.00	<200.00		1.10	1.00	<10.00		<50.00	12.00				<0.20	<10.00	
03F303			24-Oct-89	A24		<5.00	57.00		<8.00	<9.00	<4.00		<16.00	2.00				<0.20	<10.00	
03F303			18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	2.00				<0.20	<10.00	
03F304			20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	<10.00		<50.00	<1.00				<0.20	<10.00	
03F304			19-Jul-89	A23		<2.00	<200.00		0.10	<1.00	30.00		<50.00	2.00				<0.20	<10.00	
03F304			24-Oct-89	A24		<5.00	92.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	
03F304			18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	
03F305			20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	10.00		<50.00	12.00				<0.20	<10.00	
03F305			19-Jul-89	A23		<2.00	<200.00		0.20	<1.00	100.00		<50.00	32.00				<0.20	<10.00	
03F305			23-Oct-89	A24		<5.00	100.00		<8.00	<9.00	<4.00		<16.00	16.00				<0.20	<10.00	
03F305			18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	
03F306			20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	<10.00		<50.00	12.00				<0.20	<10.00	
03F306			19-Jul-89	A23		<2.00	<200.00		0.20	<1.00	40.00		<50.00	24.00				<0.20	<10.00	
03F306			23-Oct-89	A24		<5.00	45.00		<8.00	<9.00	<4.00		<16.00	3.00				<0.20	<10.00	
03F306			18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	5.00				<0.20	<10.00	
03F307			20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	<10.00		<50.00	57.00				<0.20	<10.00	
03F307			19-Jul-89	A23		<2.00	<200.00		0.40	<1.00	10.00		<50.00	31.00				<0.20	<10.00	
03F307			23-Oct-89	A24		<5.00	81.00		<8.00	<9.00	<4.00		<16.00	5.00				<0.20	<10.00	
03F307			19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	4.00				<0.20	<10.00	
03F308			20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	10.00		<50.00	4.00				<0.20	<10.00	
03F308			19-Jul-89	A23		<2.00	<200.00		<0.10	<1.00	50.00		<50.00	4.00				<0.20	<10.00	
03F308			23-Oct-89	A24		<5.00	81.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	
03F308			19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
01U904	(6)	11-Mar-94							IQC 022			EOR 020						IQC 022
01U904	106330	13-May-94	F43						22.40									
01U904	(6)	13-May-94							IQJ 018									
01U904	(4)	13-May-94	F43						24.40									
01U904	(6)	13-May-94							IQJ 020									
01U904		09-Jun-94	M43						24.00									< 2.00
01U904	NC	12-Sep-94	F44													<30.90		
01U904	(6)	12-Sep-94														IQS 020		
01U904		03-Aug-94	M44															
01U904		03-Aug-94	M44															
03F302		20-Apr-89	A22						<0.01									
03F302		19-Jul-89	A23	30.00	50.00				<10.00									
03F302		24-Oct-89	A24	40.00	50.00				29.00									
03F302		18-Jan-90	A25	40.00	60.00				<4.00									
03F303		20-Apr-89	A22						70.00									
03F303		19-Jul-89	A23	40.00	280.00				720.00									
03F303		24-Oct-89	A24	40.00	60.00				<20.00									
03F303		18-Jan-90	A25	40.00	70.00				<4.00									
03F304		20-Apr-89	A22						<0.01									
03F304		19-Jul-89	A23	70.00	140.00				50.00									
03F304		24-Oct-89	A24	70.00	100.00				20.00									
03F304		18-Jan-90	A25	80.00	100.00				<4.00									
03F305		20-Apr-89	A22						20.00									
03F305		19-Jul-89	A23	60.00	160.00				120.00									
03F305		23-Oct-89	A24	70.00	80.00				60.00									
03F305		18-Jan-90	A25	70.00	90.00				<4.00									
03F306		20-Apr-89	A22						<0.01									
03F306		19-Jul-89	A23	80.00	210.00				120.00									
03F306		23-Oct-89	A24	90.00	110.00				<4.00									
03F306		18-Jan-90	A25	90.00	100.00				<4.00									
03F307		20-Apr-89	A22						<0.01									
03F307		19-Jul-89	A23	20.00	100.00				30.00									
03F307		23-Oct-89	A24	30.00	<50.00				11.00									
03F307		19-Jan-90	A25	30.00	<50.00				<4.00									
03F308		20-Apr-89	A22						10.00									
03F308		19-Jul-89	A23	20.00	80.00				80.00									
03F308		23-Oct-89	A24	20.00	100.00				25.00									
03F308		19-Jan-90	A25	30.00	<50.00				<4.00									

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
03F312		20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	<10.00		<50.00	7.00				<0.20	<10.00	
03F312		19-Jul-89	A23		<2.00	<200.00		<0.10	<1.00	<10.00		<50.00	<1.00				<0.20	<10.00	
03F312		24-Oct-89	A24		<5.00	130.00		<8.00	<9.00	92.00		<16.00	110.00				<0.20	<10.00	
03F312		18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	
03L001		16-Nov-87	F16	<1.93	<4.81	<40.00	<1.47	<0.10	<2.18	1.14	280.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L002		17-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	<0.10	<2.18	1.39	1800.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L003		19-Nov-87	F16	<1.93	<4.81	170.00	<1.47	<0.10	<2.18	1.14	520.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L003		11-Aug-88	F19		<6.01	101.00		<0.37	<2.50			<5.32	<1.26						
03L004		18-Nov-87	F16	<1.93	<4.81	86.00	<1.47	<0.10	<2.18	1.14	580.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L004		09-Aug-88	F19		<6.01	78.80		<0.37	<2.50			<5.32	<1.26						
03L005		23-Nov-87	F16	<1.93	<4.81	160.00	<1.47	<0.10	<2.18	1.49	700.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L005		10-Aug-88	F19		<6.01	73.40		<0.37	<2.50			<5.32	<1.26						
03L007		09-Nov-87	F16	<1.93	6.19	240.00	<1.47	<0.10	<2.18	2.08	380.00	<5.94	<2.65	<10.00	<3.06	5.32	<0.70		
03L010		09-Nov-87	F16	<1.93	<4.81	31.40	<1.47	<0.10	<2.18	1.09	2.65	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L012		09-Nov-87	F16	<1.93	<4.81	164.00	<1.47	<0.10	<2.18	1.34	800.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L013		10-Nov-87	F16	<1.93	<4.81	190.00	<1.47	<0.10	<2.18	1.49	960.00	<5.94	3.47	<10.00	<3.06	<2.70	<0.70		
03L014		23-Nov-87	F16	<1.93	<4.81	180.00	<1.47	0.12	<2.18	15.80	900.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03L014		10-Aug-88	F19		<6.01	111.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03L017		10-Nov-87	F16	<1.93	<4.81	124.00	<1.47	<0.10	<2.18	1.49	360.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L018		23-Nov-87	F16	<1.93	<4.81	130.00	<1.47	<0.10	<2.18	2.08	470.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03L018		08-Apr-88	F18		<6.01	67.00		<0.37	<2.50			<5.32	<1.26					<8.17	
03L018		22-Aug-88	F19		<6.01	91.10		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03L020		07-Dec-87	F16	<1.93	33.50	440.00	<1.47	<0.10	3.03	1.29	2250.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L020		17-Aug-88	F19		29.30	320.00		<0.37	<2.50			<5.32	<1.26						
03L029		03-Dec-87	F16	<1.93	<4.81	270.00	<1.47	<0.10	<2.18	1.44	380.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L077		04-Dec-87	F16	<1.93	<4.81	220.00	<1.47	<0.10	<2.18	1.40	160.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L078		23-Nov-87	F16	<1.93	<4.81	150.00	<1.47	<0.10	<2.18	13.40	500.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L078		18-Aug-88	F19		<6.01	93.90		<0.37	<2.50			<5.32	<1.26						
03L079		04-Dec-87	F16	<1.93	<4.81	220.00	<1.47	<0.10	<2.18	1.59	430.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
03F312		20-Apr-89	A22						<0.01									
03F312		19-Jul-89	A23	40.00	60.00				20.00									
03F312		24-Oct-89	A24	40.00	60.00				210.00									
03F312		18-Jan-90	A25	40.00	60.00				<4.00									
03L001		16-Nov-87	F16						<29.40									
03L002		17-Nov-87	F16						<29.40									
03L003		19-Nov-87	F16						<29.40									
03L003		11-Aug-88	F19															
03L004		18-Nov-87	F16						<29.40									
03L004		09-Aug-88	F19															
03L005		23-Nov-87	F16						<29.40									
03L005		10-Aug-88	F19															
03L007		09-Nov-87	F16						<29.40									
03L010		09-Nov-87	F16						<29.40									
03L012		09-Nov-87	F16						<29.40									
03L013		10-Nov-87	F16						<29.40									
03L014		23-Nov-87	F16						<29.40									
03L014		10-Aug-88	F19						<25.00									
03L017		10-Nov-87	F16						<29.40									
03L018		23-Nov-87	F16						30.10									
03L018		08-Apr-88	F18															
03L018		22-Aug-88	F19						<25.00									
03L020		07-Dec-87	F16						<29.40									
03L020		17-Aug-88	F19															
03L029		03-Dec-87	F16						<29.40									
03L077		04-Dec-87	F16						<29.40									
03L078		23-Nov-87	F16						<29.40									
03L078		18-Aug-88	F19															
03L079		04-Dec-87	F16						<29.40									

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
03L079		18-Aug-88	F19		<6.01	93.90		<0.37	<2.50			<5.32	<1.26						
03L084		08-Dec-87	F16	<1.93	<4.81	250.00	<1.47	<0.10	2.53	1.40	200.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03L086		11-Aug-88	F19		<6.01	81.00		<0.37	<2.50			<5.32	<1.26						
03L091		03-Dec-87	F16	<1.93	<4.81	175.00	<1.47	0.14	<2.18	1.34	230.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03L091		25-Aug-88	F19		<6.01	75.30		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03L113		18-Nov-87	F16	<1.93	<4.81	67.60	<1.47	<0.10	<2.18	0.94	350.00	<5.94	<2.65	<10.00	<3.06		<0.70	<8.35	
03L113		06-Apr-88	F18		<6.01	39.70		<0.37	<2.50			<5.32	<1.26					<8.17	
03L113		09-Aug-88	F19		<6.01	41.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03L113		19-Jul-90	F27	<0.50	<6.01	54.00		<0.37	<2.50	<1.56	290.00	<5.32	<1.26	<25.50					
03L137		17-Oct-89	F24		<4.81	98.00		1.27	17.60			7.58	4.45						
03L137		24-Apr-90	F26															<8.17	
03L137		18-Jul-90	F27	<0.50	<6.01	80.40		<0.37	<2.50	<1.56	360.00	<5.32	<1.26	<25.50					
03L138		17-Oct-89	F24		9.28	240.00		0.13	11.60			<5.94	8.37						
03L138		24-Apr-90	F26															<8.17	
03L138		18-Jul-90	F27	<0.50	6.62	170.00		1.12	<2.50	2.79	570.00	<5.32	4.74	<25.50					
03L806		02-Dec-87	F16														<0.70		
03L811		25-Nov-87	F16														<0.70		
03L813		25-Nov-87	F16														<0.70		
03L822		01-Dec-87	F16														<0.70		
03L832		24-Nov-87	F16														<0.70		
03L846		23-Aug-88	F19																
03L846		18-Jul-89	F23																
03L846		19-Oct-89	F24																
03L853		19-Apr-90	F26															<8.17	
03L853		20-Jul-90	F27															<8.17	810.00
03M001		16-Nov-87	F16	<1.93	<4.81	26.50	<1.47	0.15	<2.18	0.57		<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03M002		17-Nov-87	F16	<1.93	<4.81	111.00	<1.47	0.15	4.15	2.08	2.55	7.25	<2.65	<10.00	3.86	<2.70	<0.70		
03M003		19-Nov-87	F16	<1.93	<4.81	100.00	<1.47	<0.10	<2.18	1.73	200.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03M003		11-Aug-88	F19		<6.01	81.60		<0.37	<2.50			<5.32	<1.26						

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
03L079		18-Aug-88	F19															
03L084		08-Dec-87	F16						<29.40									
03L086		11-Aug-88	F19															
03L091		03-Dec-87	F16						<29.40									
03L091		25-Aug-88	F19						<25.00									
03L113		18-Nov-87	F16						<29.40									
03L113		06-Apr-88	F18															
03L113		09-Aug-88	F19						<25.00									
03L113		19-Jul-90	F27															
03L137		17-Oct-89	F24															
03L137		24-Apr-90	F26															
03L137		18-Jul-90	F27															
03L138		17-Oct-89	F24															
03L138		24-Apr-90	F26															
03L138		18-Jul-90	F27															
03L806		02-Dec-87	F16															
03L811		25-Nov-87	F16															
03L813		25-Nov-87	F16															
03L822		01-Dec-87	F16															
03L832		24-Nov-87	F16															
03L846		23-Aug-88	F19	34.00														
03L846		18-Jul-89	F23	<12.10	63.10													
03L846		19-Oct-89	F24	<12.10	52.00													
03L853		19-Apr-90	F26															
03L853		20-Jul-90	F27	22.80	19.50													
03M001		16-Nov-87	F16						<29.40									
03M002		17-Nov-87	F16						<29.40									
03M003		19-Nov-87	F16						<29.40									
03M003		11-Aug-88	F19															

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
03M004		18-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	<0.10	<2.18	1.44	540.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03M004		09-Aug-88	F19		<6.01	120.00		<0.37	<2.50			<5.32	<1.26						
03M005		08-Dec-87	F16	<1.93	<4.81	250.00	<1.47	<0.10	3.03	2.03	410.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03M005		06-Apr-88	F18		<6.01	110.00		<0.37	<2.50			<5.32	<1.26						
03M005		11-Aug-88	F19		<6.01	106.00		<0.37	<2.50			<5.32	<1.26						
03M013		10-Nov-87	F16	<1.93	<4.81	142.00	<1.47	<0.10	<2.18	1.49	400.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03M017		10-Nov-87	F16	<1.93	<4.81	63.70	<1.47	<0.10	2.63	2.28	5.50	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03M020		18-Aug-88	F19		<6.01	167.00		<0.37	<2.50			<5.32	<1.26						
03M505		Well Abandoned																	
03M505		09-Nov-87	F16	<1.93	<4.81	122.00	<1.47	<0.10	<2.18	1.24	220.00	<5.94	<2.65	<10.00	<3.06	3.19	<0.70		
03U001		16-Nov-87	F16	<1.93	<4.81	59.80	<1.47	<0.10	<2.18	1.24	14.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U002		17-Nov-87	F16	2.62	<4.81	<220.00	<1.47	<0.10	2.48	1.78	1000.00	<5.94	4.49	<10.00	<3.06	<2.70	<0.70		
03U003		19-Nov-87	F16	<1.93	<4.81	99.00	<1.47	<0.10	3.19	1.68	190.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U003		11-Aug-88	F19		<6.01	57.10		<0.37	<2.50			<5.32	<1.26						
03U004		18-Nov-87	F16	2.08	<4.81	65.70	<1.47	<0.10	2.93	1.68	2.60	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U004		09-Aug-88	F19		<6.01	27.00		<0.37	<2.50			<5.32	<1.26						
03U005		23-Nov-87	F16	3.22	26.80	340.00	<1.47	0.11	<2.18	16.30	750.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U005		06-Apr-88	F18		21.30	180.00		<0.37	<2.50			<5.32	<1.26						
03U005		10-Aug-88	F19		13.90	160.00		<0.37	<2.50			<5.32	<1.26						
03U007		09-Nov-87	F16	<1.93	6.19	280.00	<1.47	<0.10	<2.18	1.78	320.00	<5.94	<2.65	<10.00	5.14	47.90	<0.70		
03U007		23-Nov-92	M37		10.00										<5.00	<2.00			
03U008		09-Nov-87	F16	<1.93	20.60	370.00	<1.47	<0.10	<2.18	1.53	760.00	<5.94	<2.65	<10.00	<3.06	4.26	<0.70		
03U009		20-Nov-87	F16	<1.93	<4.81	190.00	<1.47	<0.10	<2.18	14.80	110.00	6.73	<2.65	<10.00	<3.06	<2.70	<0.70		
03U009		22-Feb-93	M38		<2.00														
03U010		09-Nov-87	F16	<1.93	<4.81	125.00	<1.47	<0.10	<2.18	1.68	200.00	<5.94	2.70	<10.00	<3.06	<2.70	<0.70		
03U012		09-Nov-87	F16	1.98	6.19	220.00	<1.47	<0.10	3.49	3.56	200.00	<5.94	6.43	<10.00	<3.06	5.32	<0.70		
03U013		10-Nov-87	F16	<1.93	7.73	120.00	<1.47	<0.10	<2.18	2.52	160.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U014		04-Dec-87	F16	<1.93	<4.81	180.00	<1.47	0.11	3.03	1.40	8.50	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U014		17-Aug-88	F19		<6.01	138.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
03M004		18-Nov-87	F16						<29.40									
03M004		09-Aug-88	F19															
03M005		08-Dec-87	F16						<29.40									
03M005		06-Apr-88	F18															
03M005		11-Aug-88	F19															
03M013		10-Nov-87	F16						<29.40									
03M017		10-Nov-87	F16						<29.40									
03M020		18-Aug-88	F19															
03M505		Well Abandoned																
03M505		09-Nov-87	F16						<29.40									
03U001		16-Nov-87	F16						<29.40									
03U002		17-Nov-87	F16						<29.40									
03U003		19-Nov-87	F16						<29.40									
03U003		11-Aug-88	F19															
03U004		18-Nov-87	F16						<29.40									
03U004		09-Aug-88	F19															
03U005		23-Nov-87	F16						<29.40									
03U005		06-Apr-88	F18															
03U005		10-Aug-88	F19															
03U007		09-Nov-87	F16						<29.40									
03U007		23-Nov-92	M37									<1.00						
03U008		09-Nov-87	F16						<29.40									
03U009		20-Nov-87	F16						<29.40									
03U009		22-Feb-93	M38									2.00						
03U010		09-Nov-87	F16						<29.40									
03U012		09-Nov-87	F16						<29.40									
03U013		10-Nov-87	F16						<29.40									
03U014		04-Dec-87	F16			<3.00	1.70		<29.40									
03U014		17-Aug-88	F19						<25.00									

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
03U015		17-Nov-87	F16	<1.93	<4.81	59.80	<1.47	0.15	4.15	2.33	2.70	<5.94	<2.65	<10.00	3.29	<2.70	<0.70	<8.35	
03U015		05-Apr-88	F18		<6.01	40.00		<0.37	<2.50			<5.32	<1.26					<8.17	
03U017		10-Nov-87	F16	<1.93	<4.81	51.50	<1.47	<0.10	3.19	2.43	9.60	<5.94	4.59	<10.00	<3.06	<2.70	<0.70		
03U018		04-Dec-87	F16	<1.93	<4.81	89.20	<1.47	0.17	3.03	2.13	2.20	6.15	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U018		22-Aug-88	F19		<6.01	46.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03U019		23-Nov-87	F16	2.67	<4.81	110.00	<1.47	0.13	3.03	18.30	7.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U019		12-Aug-88	F19		<6.01	95.80		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03U019		19-Jul-90	F27	<0.50	<6.01	94.70		<0.37	<2.50	<1.56	5.45	<5.32	<1.26	<25.50					
03U020		07-Dec-87	F16	<1.93	<4.81	179.00	<1.47	0.13	4.04	1.58	3.60	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U020		17-Aug-88	F19		<6.01	81.60		<0.37	<2.50			<5.32	<1.26						
03U022		05-Apr-88	F18		<6.01	129.00		0.56	<2.50			<5.32	<1.26						
03U023		10-Nov-87	F16	<1.93	<4.81	58.80	<1.47	<0.10	<2.18	0.79	12.50	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U023		15-Nov-88	F20		<6.01	38.40		<0.37	<2.50			<5.32	<1.26						
03U024		10-Aug-88	F19		<6.01	173.00		<0.37	<2.50			<5.32	<1.26						
03U025		10-Aug-88	F19		<6.01	118.00		<0.37	<2.50			<5.32	<1.26						
03U026		18-Nov-87	F16	3.32	<4.81	80.00	<1.47	<0.10	4.25	1.93	4.45	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U026		08-Apr-88	F18		<6.01	55.70		<0.37	<2.50			<5.32	<1.26					<8.17	
03U026		22-Aug-88	F19		<6.01	66.20		<0.37	4.10			<5.32	<1.26				<0.74	<8.17	
03U026		19-Jul-90	F27	<0.50	<6.01	129.00		<0.37	3.24	<1.56	7.17	<5.32	<1.26	<25.50					
03U027		20-Nov-87	F16	2.97	<4.81	240.00	<1.47	<0.10	2.53	1.39	350.00	9.32	4.08	<10.00	<3.06	<2.70			
03U027		16-Aug-88	F19		<6.01	154.00		<0.37	<2.50			<5.32	<1.26						
03U028		03-Dec-87	F16	<1.93	<4.81	72.50	<1.47	0.22	4.04	3.42	2.20	<5.94	<2.65	<10.00	<3.06	<2.70			
03U028		22-Aug-88	F19		<6.01	39.40		<0.37	2.90			<5.32	<1.26				<0.74	<8.17	
03U029		03-Dec-87	F16	<1.93	<4.81	81.40	<1.47	<0.10	<2.18	2.62	7.20	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U029		17-Aug-88	F19		<6.01	53.90		<0.37	<2.50			<5.32	<1.26				<0.74	8.67	
03U030		03-Dec-87	F16	<1.93	<4.81	220.00	<1.47	0.12	3.03	1.33	75.00	<5.94	<2.65	<10.00	<3.06	<2.70			
03U030		22-Aug-88	F19		<6.01	260.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03U031		10-Aug-88	F19		<6.01	50.20		<0.37	<2.50			<5.32	<1.26						
03U032		20-Nov-87	F16	<1.93	<4.81	29.40	<1.47	0.11	3.03	3.02	3.15	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U032		08-Apr-88	F18		<6.01	20.50		<0.37	<2.50			<5.32	<1.26						

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
03U015		17-Nov-87	F16						<29.40									
03U015		05-Apr-88	F18															
03U017		10-Nov-87	F16						<29.40									
03U018		04-Dec-87	F16			<1.70	<1.00	<10.00	<29.40									
03U018		22-Aug-88	F19						<25.00									
03U019		23-Nov-87	F16						30.10									
03U019		12-Aug-88	F19						<25.00									
03U019		19-Jul-90	F27															
03U020		07-Dec-87	F16						<29.40									
03U020		17-Aug-88	F19															
03U022		05-Apr-88	F18															
03U023		10-Nov-87	F16						<29.40									
03U023		15-Nov-88	F20															
03U024		10-Aug-88	F19															
03U025		10-Aug-88	F19						<25.00									
03U026		18-Nov-87	F16						<29.40									
03U026		08-Apr-88	F18															
03U026		22-Aug-88	F19						<25.00									
03U026		19-Jul-90	F27															
03U027		20-Nov-87	F16						<29.40									
03U027		16-Aug-88	F19															
03U028		03-Dec-87	F16						<29.40									
03U028		22-Aug-88	F19						<25.00									
03U029		03-Dec-87	F16						<29.40									
03U029		17-Aug-88	F19						<25.00									
03U030		03-Dec-87	F16						<29.40									
03U030		22-Aug-88	F19						<25.00									
03U031		10-Aug-88	F19															
03U032		20-Nov-87	F16			2.80	3.50		<29.40									
03U032		08-Apr-88	F18															

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
03U032		22-Aug-88	F19		<6.01	<9.10		<0.37	3.53			<5.32	<1.26				<0.74	<8.17	
03U032		18-Jul-90	F27	<0.50	<6.01	32.70		<0.37	3.24	<1.56	3.69	<5.32	<1.26	<25.50					
03U032		09-Nov-93	M41							<10.00	<10.00		<2.00						
03U075		10-Nov-87	F16	<1.93	<4.81	51.00	<1.47	<0.10	<2.18	0.99	6.40	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U075		18-Aug-88	F19		<6.01	45.10		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03U076		10-Nov-87	F16	<1.93	<4.81	133.00	<1.47	<0.10	<2.18	1.24	110.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U076		18-Aug-88	F19		<6.01	61.40		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03U078		23-Nov-87	F16	6.53	<4.81	100.00	<1.47	<0.10	5.06	1.53	6.50	6.21	<2.65	<10.00	<3.06	<2.70	<0.70		
03U078		18-Aug-88	F19		<6.01	47.40		<0.37	<2.50			<5.32	<1.26						
03U079		04-Dec-87	F16	<1.93	<4.81	82.40	<1.47	<0.10	<2.18	1.44	5.20	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U079		18-Aug-88	F19		<6.01	41.50		<0.37	<2.50			<5.32	<1.26						
03U083		10-Aug-88	F19		<6.01	98.80		<0.37	<2.50			<5.32	<1.26						
03U084		23-Nov-87	F16	<1.93	<4.81	177.00	<1.47	<0.10	<2.18	2.48	160.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U087		20-Nov-87	F16	<1.93	<4.81	67.60	<1.47	<0.10	4.04	2.87	<1.19	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U087		11-Apr-88	F18		<6.01	24.70		<0.37	<2.50			<5.32	<1.26						
03U087		17-Nov-88	F20		<6.01	45.60		<0.37	2.64			<5.32	<1.26						
03U087		27-Mar-91	F30															<8.17	1400.00
03U087		12-Mar-92	F34															<8.35	3600.00
03U087		04-Mar-93	F38															<8.17	640.00
03U087	(4)	04-Mar-93	F38															<8.17	630.00
03U087	53384	15-Mar-94	F42															<8.17	650.00
03U087	(6)	15-Mar-94																IMD 004	IAX 004
03U088		17-Nov-87	F16	2.72	<4.81	98.00	<1.47	0.15	5.61	2.08	4.30	<5.94	<2.65	<10.00	4.27	<2.70	<0.70	<8.35	
03U088		05-Apr-88	F18		<6.01	54.60		<0.37	3.51			<5.32	<1.26					<8.17	
03U089		20-Nov-87	F16	3.66	<4.81	80.40	<1.47	0.12	28.00	1.44	5.50	8.80	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U089		05-Apr-88	F18		<6.01	88.20		<0.37	44.40			<5.32	<1.26					<8.17	
03U090		19-Nov-87	F16	1.93	<4.81	61.80	<1.47	<0.10	4.04	1.88	1.50	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U090		06-Apr-88	F18		<6.01	40.20		<0.37	<2.50			<5.32	<1.26					<8.17	
03U090		16-Aug-88	F19		<6.01	53.00		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03U090		19-Jul-90	F27	<0.50	<6.01	35.10		<0.37	2.70	<1.56	5.45	<5.32	<1.26	<25.50					
03U090	(4)	19-Jul-90	F27	<0.50		36.80			2.63	<1.56	3.84	<5.32	<1.26	<25.50					
03U092		23-Nov-87	F16	2.97	<4.81	220.00	<1.47	<0.10	<2.18	2.28	190.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U092		08-Apr-88	F18		<6.01	115.00		<0.37	<2.50			<5.32	<1.26					<8.17	
03U092		25-Aug-88	F19		<6.01	144.00		<0.37	<2.50			<5.32	<1.26				<0.74	16.70	

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
03U032		22-Aug-88	F19						<25.00									
03U032		18-Jul-90	F27															
03U032		09-Nov-93	M41						<20.00									
03U075		10-Nov-87	F16						<29.40									
03U075		18-Aug-88	F19						<25.00									
03U076		10-Nov-87	F16						<29.40									
03U076		18-Aug-88	F19						<25.00									
03U078		23-Nov-87	F16						<29.40									
03U078		18-Aug-88	F19															
03U079		04-Dec-87	F16						<29.40									
03U079		18-Aug-88	F19															
03U083		10-Aug-88	F19															
03U084		23-Nov-87	F16						<29.40									
03U087		20-Nov-87	F16						<29.40									
03U087		11-Apr-88	F18															
03U087		17-Nov-88	F20															
03U087		27-Mar-91	F30	27.90	57.30													
03U087		12-Mar-92	F34	<12.10	35.60													
03U087		04-Mar-93	F38	<10.30	16.20													
03U087	(4)	04-Mar-93	F38	<10.30	14.50													
03U087	53384	15-Mar-94	F42	<10.30	24.60													
03U087	(6)	15-Mar-94		IIS 004	ISB 004													
03U088		17-Nov-87	F16						<29.40									
03U088		05-Apr-88	F18															
03U089		20-Nov-87	F16						<29.40									
03U089		05-Apr-88	F18															
03U090		19-Nov-87	F16						<29.40									
03U090		06-Apr-88	F18															
03U090		16-Aug-88	F19						<25.00									
03U090		19-Jul-90	F27															
03U090	(4)	19-Jul-90	F27															
03U092		23-Nov-87	F16						<29.40									
03U092		08-Apr-88	F18															
03U092		25-Aug-88	F19						<25.00									

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
03U093		04-Dec-87	F16	<1.93	<4.81	220.00	<1.47	0.19	<2.18	1.29	1800.00	6.21	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U093		17-Aug-88	F19		<6.01	100.00		0.54	<2.50			<5.32	<1.26				<0.74	<8.17	
03U093		22-Feb-93	M38		<2.00		<0.20						3.00	<6.00		<2.00			
03U094		04-Dec-87	F16	<1.93	<4.81	240.00	<1.47	0.14	3.03	1.39	66.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U094		25-Aug-88	F19		<6.01	92.90		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	
03U094		24-Nov-92	M37		<2.00		<0.20							<6.00		<2.00			
03U094		09-Nov-93	M41							<10.00	<10.00		<2.00						
03U096		04-Dec-87	F16	<1.93	<4.81	41.20	<1.47	0.11	3.54	1.87	2.20	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U096		25-Aug-88	F19		<6.01	34.10		<0.37	3.21			<5.32	<1.26				<0.74	<8.17	
03U097		20-Nov-87	F16	<1.93	<4.81	290.00	<1.47	<0.10	<2.18	1.63	380.00	7.25	<2.65	<10.00	<3.06	<2.70	<0.70		
03U097		07-Apr-88	F18		<6.01	130.00		<0.37	<2.50			<5.32	<1.26					<8.17	
03U099		19-Nov-87	F16	3.32	<4.81	46.10	<1.47	<0.10	2.78	2.03	350.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U099		11-Apr-88	F18		<6.01	32.80		<0.37	<2.50			<5.32	<1.26						
03U111		20-Nov-87	F16	<1.93	10.80	470.00	<1.47	0.13	<2.18	3.66	850.00		<2.65	<10.00	<3.06	<2.70	<0.70		
03U111		07-Apr-88	F18		9.84	320.00		<0.37	<2.50			<5.32	<1.26					<8.17	
03U112		20-Nov-87	F16	2.48	<4.81	82.40	<1.47	<0.10	4.04	2.08	3.75	6.73	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U112		08-Apr-88	F18		<6.01	51.30		<0.37	<2.50			<5.32	<1.26					17.40	
03U112		16-Aug-88	F19		<6.01	61.20		<0.37	2.65			<5.32	<1.26				<0.74	<8.17	
03U112		18-Jul-90	F27	<0.50	<6.01	99.10		<0.37	3.45	<1.56	14.00	<5.32	<1.26	<25.50			<0.74	12.00	11000.00
03U112		17-Sep-90	F27					0.42											
03U112		20-Sep-90	F27		<6.01	83.60		0.65	4.02			<5.32	3.31					<8.17	11000.00
03U112		28-Mar-91	F30															<8.17	9600.00
03U112		12-Mar-92	F34															<8.35	30000.00
03U112		08-Mar-93	F38															<8.17	8700.00
03U112	NC	12-Sep-94	F44															<8.17	8400.00
03U112	(6)	12-Sep-94																IMJ 004	IWB 005
03U113		18-Nov-87	F16	<1.93	<4.81	53.90	<1.47	<0.10	<2.18	2.23	7.20	<5.94	2.76	<10.00	<3.06	<2.70	<0.70	<8.35	
03U113		06-Apr-88	F18		<6.01	36.40		<0.37	<2.50			<5.32	<1.26					<8.17	
03U113		09-Aug-88	F19		<6.01	25.90		<0.37	2.55			<5.32	<1.26				<0.74	<8.17	
03U113		18-Jul-90	F27	<0.50	<6.01	45.80		0.86	<2.50	<1.56	7.16	<5.32	<1.26	<25.50					
03U114		23-Nov-87	F16	<1.93	<4.81	52.90	<1.47	0.33	4.04	12.40	2.25	<5.94	5.10	<10.00	<3.06	<2.70	<0.70	<8.35	
03U114		11-Apr-88	F18		<6.01	25.20		<0.37	<2.50			22.90	<1.26					<8.17	
03U114		09-Aug-88	F19		<6.01	33.90		<0.37	2.93			<5.32	<1.26				<0.74	<8.17	
03U114		18-Jul-90	F27	<0.50	<6.01	46.20		<0.37	<2.50	<1.56	11.10	<5.32	<1.26	<25.50					
03U121		08-Dec-87	F16	<1.93	<4.81	33.30	<1.47	<0.10	<2.18	2.52	100.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U121		08-Apr-88	F18		<6.01	29.90		<0.37	<2.50			<5.32	<1.26					<8.17	
03U121		16-Aug-88	F19		<6.01	39.40		<0.37	<2.50			<5.32	<1.26				<0.74	<8.17	

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
03U093		04-Dec-87	F16						<29.40									
03U093		17-Aug-88	F19						<25.00									
03U093		22-Feb-93	M38									<1.00						
03U094		04-Dec-87	F16			<3.60	<2.20		<29.40									
03U094		25-Aug-88	F19						<25.00									
03U094		24-Nov-92	M37									1.00						
03U094		09-Nov-93	M41						<20.00									
03U096		04-Dec-87	F16						<29.40									
03U096		25-Aug-88	F19						<25.00									
03U097		20-Nov-87	F16						<29.40									
03U097		07-Apr-88	F18															
03U099		19-Nov-87	F16						<29.40									
03U099		11-Apr-88	F18															
03U111		20-Nov-87	F16						<29.40									
03U111		07-Apr-88	F18															
03U112		20-Nov-87	F16						<29.40									
03U112		08-Apr-88	F18															
03U112		16-Aug-88	F19						<25.00									
03U112		18-Jul-90	F27		75.30													
03U112		17-Sep-90	F27															
03U112		20-Sep-90	F27	33.70	110.00													
03U112		28-Mar-91	F30	22.10	37.40													
03U112		12-Mar-92	F34	<12.10	31.80													
03U112		08-Mar-93	F38	10.10	17.30													
03U112	NC	12-Sep-94	F44	26.20	14.00													
03U112	(6)	12-Sep-94		IXB 004	ISH 005													
03U113		18-Nov-87	F16			4.20	2.70		<29.40									
03U113		06-Apr-88	F18															
03U113		09-Aug-88	F19						<25.00									
03U113		18-Jul-90	F27															
03U114		23-Nov-87	F16						<29.40									
03U114		11-Apr-88	F18															
03U114		09-Aug-88	F19						<25.00									
03U114		18-Jul-90	F27															
03U121		08-Dec-87	F16						<29.40									
03U121		08-Apr-88	F18															
03U121		16-Aug-88	F19						<25.00									

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
03U121		18-Jul-90	F27	<0.50	<6.01	42.10		<0.37	2.96	<1.56	9.66	<5.32	<1.26	<25.50			<0.74	<8.17	470.00
03U121		17-Sep-90	F27		<6.01	36.30			3.22			<5.32	2.67					<8.17	320.00
03U121		28-Mar-91	F30															<8.17	161.00
03U121		12-Mar-92	F34															<8.35	1800.00
03U121		08-Mar-93	F38															<8.17	840.00
03U121	NC	12-Sep-94	F44															<8.17	770.00
03U121 (6)		12-Sep-94																IMJ 005	IWB 006
03U124		08-Apr-88	F18		<6.01	25.80		<0.37	<2.50			<5.32	<1.26				<0.74		
03U124		18-Aug-88	F19		<6.01	38.00		<0.37	4.88			<5.32	<1.26				<0.74	<8.17	
03U129		08-Dec-87	F16	<1.93	9.28	370.00	<1.47	0.17	<2.18	4.95	380.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
03U129		07-Apr-88	F18		<6.01	160.00		<0.37	<2.50			<5.32	<1.26					<8.17	
03U301		20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	<10.00		<50.00	<1.00				<0.20	60.00	
03U301		19-Jul-89	A23		<2.00	<200.00		<0.10	<1.00	30.00		<50.00	3.00				<0.20	10.00	
03U301		24-Oct-89	A24		<5.00	35.00		<8.00	<9.00	26.00		<16.00	2.00				<0.20	10.00	
03U301		18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	
03U314		20-Apr-89	A22		8.00	200.00		<0.10	<1.00	<10.00		<50.00	<1.00				<0.20	<10.00	
03U314		19-Jul-89	A23		11.00	<200.00		0.10	<1.00	<10.00		<50.00	2.00				<0.20	<10.00	
03U314		24-Oct-89	A24		11.00	230.00		<8.00	<9.00	<4.00		<16.00	1.00				<0.20	<10.00	
03U314		19-Jan-90	A25		12.00	300.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	
03U315		20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	50.00		<50.00	9.00				<0.20	<10.00	
03U315		19-Jul-89	A23		<2.00	<200.00		<0.10	<1.00	30.00		<50.00	3.00				<0.20	<10.00	
03U315		24-Oct-89	A24		<5.00	100.00		<8.00	<9.00	<4.00		<16.00	3.00				<0.20	<10.00	
03U315		19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	4.00				<0.20	<10.00	
03U316		20-Apr-89	A22		<3.00	<200.00		0.20	2.00	300.00		<50.00	66.00				<0.20	<10.00	
03U316		19-Jul-89	A23		<2.00	<200.00		0.10	<1.00	70.00		<50.00	22.00				<0.20	<10.00	
03U316		24-Oct-89	A24		<5.00	90.00		<8.00	<9.00	<4.00		<16.00	4.00				<0.20	<10.00	
03U316		19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	2.00				<0.20	<10.00	
03U317		20-Apr-89	A22		<3.00	<200.00		<0.10	1.00	50.00		<50.00	30.00				<0.20	10.00	
03U317		19-Jul-89	A23		<2.00	<200.00		<0.10	<1.00	30.00		<50.00	15.00				<0.20	<10.00	
03U317		25-Oct-89	A24		<5.00	110.00		<8.00	<9.00				2.00				<0.20	<10.00	
03U317		19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	5.00				<0.20	20.00	
03U521		20-Nov-87	F16	1.98	<4.81	33.30	<1.47	<0.10	2.53	2.97	4.45	6.21	4.59	<10.00	<3.06	<2.70	<0.70		
03U521		11-Apr-88	F18		<6.01	19.40		<0.37	<2.50			<5.32	<1.26						
03U521		18-Nov-88	F20		<6.01	16.80		<0.37	<2.50			<5.32	<1.26						
03U521		25-Apr-90	F26															<8.17	
03U521		19-Jul-90	F27															<8.17	1500.00
03U521 (4)		19-Jul-90	F27															<8.17	1400.00

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
03U121		18-Jul-90	F27		67.20													
03U121		17-Sep-90	F27	<10.30	23.20													
03U121		28-Mar-91	F30	20.30	21.70													
03U121		12-Mar-92	F34	<12.10	45.10													
03U121		08-Mar-93	F38	<10.30	15.60													
03U121	NC	12-Sep-94	F44	15.20	20.10													
03U121	(6)	12-Sep-94		IXB 007	ISH 006													
03U124		08-Apr-88	F18			<0.70	2.20		<25.00									
03U124		18-Aug-88	F19						<25.00									
03U129		08-Dec-87	F16						<29.40									
03U129		07-Apr-88	F18															
03U301		20-Apr-89	A22						10.00									
03U301		19-Jul-89	A23	20.00	90.00				20.00									
03U301		24-Oct-89	A24	20.00	<50.00				30.00									
03U301		18-Jan-90	A25	30.00	<50.00				<4.00									
03U314		20-Apr-89	A22						80.00									
03U314		19-Jul-89	A23	160.00	230.00				80.00									
03U314		24-Oct-89	A24	140.00	260.00				15.00									
03U314		19-Jan-90	A25	260.00	320.00				<41.00									
03U315		20-Apr-89	A22						80.00									
03U315		19-Jul-89	A23	140.00	150.00				60.00									
03U315		24-Oct-89	A24	150.00	160.00				53.00									
03U315		19-Jan-90	A25	170.00	210.00				<4.00									
03U316		20-Apr-89	A22						1700.00									
03U316		19-Jul-89	A23	20.00	70.00				180.00									
03U316		24-Oct-89	A24	20.00	<50.00				22.00									
03U316		19-Jan-90	A25	40.00	50.00				<4.00									
03U317		20-Apr-89	A22						110.00									
03U317		19-Jul-89	A23	30.00	50.00				400.00									
03U317		25-Oct-89	A24	30.00	80.00				<4.00									
03U317		19-Jan-90	A25	40.00	60.00				<4.00									
03U521		20-Nov-87	F16						<29.40									
03U521		11-Apr-88	F18															
03U521		18-Nov-88	F20															
03U521		25-Apr-90	F26															
03U521		19-Jul-90	F27	27.70	59.40													
03U521	(4)	19-Jul-90	F27	21.50	53.00													

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
03U671		04-Dec-87	F16	<1.93	<4.81	95.10	<1.47	<0.10	3.54	2.03	14.80	<5.94	<2.65	<10.00	<3.06	<2.70			
03U671		22-Aug-88	F19		<6.01	42.10		<0.37	<2.50			<5.32	<1.26						
03U704		10-Nov-87	F16	<1.93	<4.81	45.10	<1.47	1.46	<2.18	1.93	140.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70	<8.35	
03U704		05-Apr-88	F18		<6.01	30.10		<0.37	<2.50			<5.32	<1.26					<8.17	
03U801		03-Dec-87	F16														<0.70		
03U803		01-Dec-87	F16														<0.70		
03U804		01-Dec-87	F16														<0.70		
03U805		01-Dec-87	F16														<0.70		
03U806		02-Dec-87	F16														<0.70		
03U811		25-Nov-87	F16														<0.70		
03U821		30-Nov-87	F16														<0.70		
03U822		01-Dec-87	F16														<0.70		
03U824		01-Dec-87	F16														<0.70		
03U831		25-Nov-87	F16														<0.70		
03U832		24-Nov-87	F16														<0.70		
04U001		16-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	<0.10	<2.18	1.19	280.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
04U002		17-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	<0.10	<2.18	0.79	360.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
04U003		19-Nov-87	F16	<1.93	<4.81	130.00	<1.47	<0.10	<2.18	0.99	210.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
04U007		09-Nov-87	F16	<1.93	<4.81	186.00	<1.47	<0.10	<2.18	1.68	400.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
04U012		09-Nov-87	F16	<1.93	<4.81	490.00	<1.47	<0.10	2.33	1.24	520.00	<5.94	<2.65	<10.00	<3.06	5.22	<0.70		
04U020		07-Dec-87	F16	<1.93	21.10	910.00	<1.47	<0.10	<2.18	1.53	1100.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
04U020		17-Aug-88	F19		21.20	570.00		<0.37	<2.50			<5.32	1.84						
04U077		04-Dec-87	F16	<1.93	<4.81	240.00	<1.47	<0.10	<2.18	1.34	200.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
04U510		18-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	<0.10	<2.18	2.28	270.00	<5.94	3.78	<10.00	<3.06	<2.70	<0.70		
04U806		02-Dec-87	F16														<0.70		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
03U671		04-Dec-87	F16						<29.40									
03U671		22-Aug-88	F19															
03U704		10-Nov-87	F16						<29.40									
03U704		05-Apr-88	F18															
03U801		03-Dec-87	F16															
03U803		01-Dec-87	F16															
03U804		01-Dec-87	F16															
03U805		01-Dec-87	F16															
03U806		02-Dec-87	F16															
03U811		25-Nov-87	F16															
03U821		30-Nov-87	F16															
03U822		01-Dec-87	F16															
03U824		01-Dec-87	F16															
03U831		25-Nov-87	F16															
03U832		24-Nov-87	F16															
04U001		16-Nov-87	F16						<29.40									
04U002		17-Nov-87	F16						<29.40									
04U003		19-Nov-87	F16						<29.40									
04U007		09-Nov-87	F16						<29.40									
04U012		09-Nov-87	F16						<29.40									
04U020		07-Dec-87	F16			<1.60	<1.00	<10.00	<29.40									
04U020		17-Aug-88	F19															
04U077		04-Dec-87	F16						<29.40									
04U510		18-Nov-87	F16						71.10									
04U806		02-Dec-87	F16															

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
04U821		30-Nov-87	F16														<0.70		
04U821		19-Apr-90	F26															<8.17	
04U821		23-Jul-90	F27															<8.17	550.00
04U821	(4)	23-Jul-90	F27															<8.17	540.00
04U821		18-Sep-90	F27																
04U821		20-Sep-90	F27															<8.17	420.00
04U832		24-Nov-87	F16														<0.70		
04U850		02-May-89	F22																
04U850		19-Jul-89	F23																
04U850		19-Oct-89	F24																
04U871		23-Aug-88	F19																
04U871		08-May-89	F22																
04U871		19-Jul-89	F23																
04U871		23-Oct-89	F24																
04U872		24-Aug-88	F19																
04U872		08-May-89	F22																
04U872		19-Jul-89	F23																
04U872		23-Oct-89	F24																
04U875		23-Aug-88	F19																
04U875		19-Jul-89	F23																
04U875		19-Oct-89	F24																
04U877		23-Aug-88	F19																
04U877		02-May-89	F22																
04U877		18-Jul-89	F23																
04U877		19-Oct-89	F24																
04U879		19-Jul-89	F23																
04U879		17-Oct-89	F24																
04U880		18-Jul-89	F23																
04U880		19-Oct-89	F24																
04U881		18-Jul-89	F23																
04U881		18-Oct-89	F24																
04U882		17-Jul-89	F23																
04U882		18-Oct-89	F24																
04U883		14-Oct-88	F20																

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
04U821		30-Nov-87	F16															
04U821		19-Apr-90	F26															
04U821		23-Jul-90	F27	<10.30	21.50													
04U821	(4)	23-Jul-90	F27	<10.30	20.00													
04U821		18-Sep-90	F27		<9.36													
04U821		20-Sep-90	F27	10.50	31.40													
04U832		24-Nov-87	F16															
04U850		02-May-89	F22	<10.30	23.80													
04U850		19-Jul-89	F23	<12.10	79.80													
04U850		19-Oct-89	F24	<12.10	35.10													
04U871		23-Aug-88	F19	28.50														
04U871		08-May-89	F22	17.40	19.70													
04U871		19-Jul-89	F23	<12.10	42.60													
04U871		23-Oct-89	F24	<12.10	45.30													
04U872		24-Aug-88	F19	<10.30														
04U872		08-May-89	F22	<10.30	13.90													
04U872		19-Jul-89	F23	<12.10	35.00													
04U872		23-Oct-89	F24	<12.10	24.60													
04U875		23-Aug-88	F19	10.20														
04U875		19-Jul-89	F23	<12.10	44.40													
04U875		19-Oct-89	F24	<12.10	53.90													
04U877		23-Aug-88	F19	34.70														
04U877		02-May-89	F22	<10.30	15.60													
04U877		18-Jul-89	F23	<12.10	61.10													
04U877		19-Oct-89	F24	<12.10	50.20													
04U879		19-Jul-89	F23	<12.10	36.90													
04U879		17-Oct-89	F24	<12.10	16.30													
04U880		18-Jul-89	F23	<12.10	61.10													
04U880		19-Oct-89	F24	<12.10	52.00													
04U881		18-Jul-89	F23	<12.10	46.30													
04U881		18-Oct-89	F24	<12.10	38.90													
04U882		17-Jul-89	F23	<12.10	63.10													
04U882		18-Oct-89	F24	<12.10	29.40													
04U883		14-Oct-88	F20		82.40													

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
04U883		17-Jul-89	F23																
04U883		18-Oct-89	F24																
191942		30-Nov-87	F16														<0.70		
206688		23-Oct-89	F24																
234301		16-Nov-93	M41		<2.00		<0.10	0.20	<10.00	10.00	430.00	<20.00	<2.00	<6.00		<2.00	<0.20		
234317		16-Nov-93	M41		<2.00		<0.10	0.20	<10.00	<10.00	550.00	<20.00	<2.00	<6.00		<2.00	<0.20		
234332		17-Nov-93	M41		<2.00		<0.10	<0.20	<10.00	20.00	50.00	<20.00	<2.00	<6.00		<2.00	<0.20		
234356		16-Nov-93	M41		<2.00		<0.10	0.20	<10.00	<10.00	290.00	<20.00	<2.00	<6.00		<2.00	<0.20		
234356		06-Apr-94	M43								310.00								
234356		06-Apr-94	M43								580.00								
234357		28-Oct-93	M41		<2.00		<0.20	0.30	1.00	10.00	610.00	<20.00	7.00	<6.00		<2.00	<0.20		
409595		30-Nov-87	F16														<0.70		
409596		30-Nov-87	F16														<0.70		
409597		30-Nov-87	F16														<0.70		
409598		30-Nov-87	F16														<0.70		
500691		17-Oct-89	F24																
508115		18-Oct-89	F24																
Big 10 Supper Club		14-Sep-93	M40		4.00		<0.20	<0.02	<10.00	10.00	560.00	<20.00	<2.00	<6.00		4.00	<0.20		
Dewitt		20-Sep-93	M40		2.00		<0.20	3.80	<10.00	<10.00	480.00	<20.00	<2.00	<6.00		<2.00	<0.20		
Indy K.		22-Sep-93	M40		2.00		<0.20	<0.20	<10.00	30.00	50.00	<20.00	3.00	<6.00		<2.00	<0.20		
K01MW		01-Mar-94	M42	<1.00			<0.20				570.00	<20.00		<6.00	<5.00	<2.00	<0.20		
K02MW		01-Mar-94	M42	<1.00			<0.20				<10.00	<20.00		<6.00	<5.00	<2.00	<0.20		
K04MW		01-Mar-94	M42	<1.00			<0.20				100.00	170.00		<6.00	<5.00	<2.00	<0.20		
PJ#003		19-Nov-87	F16	<1.93	<4.81	130.00	<1.47	<0.10	<2.18	0.94	330.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
PJ#027		20-Nov-87	F16	<1.93	<4.81	190.00	<1.47	<0.10	<2.18	1.49	250.00	6.21	<2.65	<10.00	<3.06	<2.70	<0.70		

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
04U883		17-Jul-89	F23	<12.10	29.40													
04U883		18-Oct-89	F24	<12.10	21.90													
191942		30-Nov-87	F16															
206688		23-Oct-89	F24	<12.10	45.30													
234301		16-Nov-93	M41						50.00				400.00					<2.00
234317		16-Nov-93	M41						<20.00				120.00					<2.00
234332		17-Nov-93	M41						110.00				1300.00					<2.00
234356		16-Nov-93	M41						<410.00				270.00					<2.00
234356		06-Apr-94	M43															
234356		06-Apr-94	M43															
234357		28-Oct-93	M41						570.00				70.00					<2.00
409595		30-Nov-87	F16															
409596		30-Nov-87	F16															
409597		30-Nov-87	F16															
409598		30-Nov-87	F16															
500691		17-Oct-89	F24	<12.10	52.00													
508115		18-Oct-89	F24	<12.10	65.20													
Big 10 Supper Club		14-Sep-93	M40						30.00			2.00	120.00					11.00
Dewitt		20-Sep-93	M40						30.00			<1.00	340.00					5.00
Indy K.		22-Sep-93	M40						110.00			1.00	1200.00					20.00
K01MW		01-Mar-94	M42						<20.00									
K02MW		01-Mar-94	M42						<20.00									
K04MW		01-Mar-94	M42						<20.00									
PJ#003		19-Nov-87	F16						<29.40									
PJ#027		20-Nov-87	F16						<29.40									

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
PJ#074		03-Dec-87	F16	<1.93	<4.81	220.00	<1.47	0.15	<2.18	1.10	410.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
PJ#074		19-Aug-88	F19		<6.01	134.00		<0.37	<2.50			<5.32	<1.26						
PJ#309		20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	20.00		<50.00	8.00				<0.20	<10.00	
PJ#309		19-Jul-89	A23		<2.00	<200.00		0.20	<1.00	100.00		<50.00	42.00				<0.20	<10.00	
PJ#309		23-Oct-89	A24		<5.00	140.00		<8.00	<9.00	7.00		<16.00	7.00				<0.20	<10.00	
PJ#309		18-Jan-90	A25		<5.00	200.00		<8.00	<9.00	<4.00		<16.00	16.00				<0.20	<10.00	
PJ#310		20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	<10.00		<50.00	24.00				<0.20	<10.00	
PJ#310		19-Jul-89	A23		<2.00	200.00		0.20	<1.00	80.00		<50.00	26.00				<0.20	<10.00	
PJ#310		11-Oct-89	A24		<5.00	140.00		<8.00	<9.00	<4.00		<16.00	1.00				<0.20	<10.00	
PJ#310		19-Jan-90	A25		<5.00	300.00		<8.00	<9.00	39.00		<16.00	87.00				<0.20	<10.00	
PJ#311		20-Apr-89	A22		<3.00	<200.00		<0.10	2.00	20.00		<50.00	50.00				<0.20	<10.00	
PJ#311		19-Jul-89	A23		<2.00	<200.00		<0.10	<1.00	<10.00		<50.00	2.00				<0.20	<10.00	
PJ#311		24-Oct-89	A24		<5.00	120.00		<8.00	<9.00	<4.00		<16.00	2.00				<0.20	<10.00	
PJ#311		19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	
PJ#313		20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	<10.00		<50.00	<1.00				<0.20	<10.00	
PJ#313		19-Jul-89	A23		<2.00	<200.00		<0.10	<1.00	50.00		<50.00	4.00				<0.20	<10.00	
PJ#313		23-Oct-89	A24		<5.00	64.00		<8.00	<9.00	19.00		<16.00	2.00				<0.20	<10.00	
PJ#313		19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00	
PJ#318		24-Aug-88	F19																
PJ#318		02-May-89	F22																
PJ#318		19-Jul-89	F23																
PJ#318		18-Oct-89	F24																
PJ#502		18-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	<0.10	<2.18	1.73	240.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
PJ#503		18-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	<0.10	<2.18	1.53	360.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
PJ#506		19-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	<0.10	<2.18	0.89	560.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
PJ#507		18-Nov-87	F16	<1.93	<4.81	<220.00	<1.47	<0.10	<2.18	1.39	680.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
PJ#508		23-Aug-88	F19		8.53	360.00		<0.37	<2.50			<5.32	<1.26						
PJ#806		02-Dec-87	F16														<0.70		
PJ#806		23-Apr-90	A26																

TABLE IV - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	Aluminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
PJ#074		03-Dec-87	F16			3.50	5.30		<29.40									
PJ#074		19-Aug-88	F19															
PJ#309		20-Apr-89	A22						40.00									
PJ#309		19-Jul-89	A23	20.00	90.00				340.00									
PJ#309		23-Oct-89	A24	30.00	<50.00				53.00									
PJ#309		18-Jan-90	A25	30.00	50.00				<4.00									
PJ#310		20-Apr-89	A22						20.00									
PJ#310		19-Jul-89	A23	20.00	70.00				270.00									
PJ#310		11-Oct-89	A24	<20.00	1100.00				28.00									
PJ#310		19-Jan-90	A25	30.00	<50.00				<1200.00									
PJ#311		20-Apr-89	A22						180.00									
PJ#311		19-Jul-89	A23	20.00	<50.00				50.00									
PJ#311		24-Oct-89	A24	20.00	<50.00				37.00									
PJ#311		19-Jan-90	A25	30.00	160.00				<4.00									
PJ#313		20-Apr-89	A22						<0.01									
PJ#313		19-Jul-89	A23	<20.00	80.00				60.00									
PJ#313		23-Oct-89	A24	20.00	50.00				36.00									
PJ#313		19-Jan-90	A25	30.00	<50.00				<4.00									
PJ#318		24-Aug-88	F19	<10.30														
PJ#318		02-May-89	F22	<10.30	32.80													
PJ#318		19-Jul-89	F23	<12.10	33.10													
PJ#318		18-Oct-89	F24	<12.10	12.60													
PJ#502		18-Nov-87	F16						<29.40									
PJ#503		18-Nov-87	F16						<29.40									
PJ#506		19-Nov-87	F16						<29.40									
PJ#507		18-Nov-87	F16						<29.40									
PJ#508		23-Aug-88	F19															
PJ#806		02-Dec-87	F16															
PJ#806		23-Apr-90	A26															

Table IV-4

TCAAP Surface Water Quality Data (PCBs)

Notes:

(1) Sites refer to monitoring locations illustrated on Figure VIII-1 of this report.

(2) Qtr = Quarter. Under this heading, F = FCC.

TABLE IV - 4
TCAAP Surface Water Quality Data (PCBs)

Location (1)	Sample Lab #	Field Blank Lab #	Date	Qtr (2)	Lot #	PCB 1016	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260
20100	2900-05		12-May-94	F43	CLZ 016	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
20200	2900-09		12-May-94	F43	CLZ 020	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
20300	2900-10	2900-11	12-May-94	F43	CLZ 021	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
20400	2872-02		09-May-94	F43	CLY 008	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
20500	2872-05		09-May-94	F43	CLY 012	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
20700	2900-02		12-May-94	F43	CLZ 011	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
20800	2872-03		09-May-94	F43	CLY 009	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
20900	2872-06		09-May-94	F43	CLY 013	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
21000	2872-04		09-May-94	F43	CLY 010	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
21100	2900-07		12-May-94	F43	CLZ 017	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
21200	2900-04		12-May-94	F43	CLZ 015	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
21300	2900-03		12-May-94	F43	CLZ 012	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
21400	2900-04		12-May-94	F43	CLZ 013	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10
21600	2900-08		12-May-94	F43	CLZ 019	<1.00	<0.10	<0.10	<0.10	<0.10	<0.10

Table IV-5

TCAAP Surface Water Quality Data (Organics)

Notes:

(1) This table represents monitoring performed for FCC during FY 93 in accordance with the TCAAP National Pollutant Discharge Elimination System (NPDES) permit.

(2) Sites refer to monitoring locations illustrated on Figure VIII-1 of this report.

(3) Qtr = Quarter. Under this heading, F = FCC.

(4) TCAAP SW Action Criteria = surface water action criteria set forth in Table 3.7B of the Federal Facilities Agreement.

(5) Field blank collected at this location. See Appendix I for field blank data.

NC Trip blank not collected.

Shading denotes exceedances or potential exceedances of TCAAP action criteria. Exceedances are concentrations greater than the TCAAP action criteria. Potential exceedances are values reported as "less than the method detection limit," where the method detection limit is greater than the TCAAP action criteria.

Data in parentheses is raw laboratory data submitted to IRDMIS, but not yet processed.

TABLE IV - 5
TCAAP Surface Water Quality Data (Organics) - ug/l (1)

Location (2)	Sample Lab #	Trip Blank Lab #	Date	Qtr (3)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (4)						15	0.33	18000	9.4			
20100	1325-06 (5)	NC	07-Oct-93	F41	BYR 008						<1000.00	
20100	1699-07	1699-01	11-Nov-93	F41	CCQ 010	<1.04	<1.01	<1.16	<0.97	<1.41	2000.00	<5000.00
20100	1900-04	NC	08-Dec-93	F41	CDR 006						<1000.00	
20100	2129-01	NC	13-Jan-94	F42	CIY 003						<1000.00	
20100	2291-01	NC	10-Feb-94	F42	CJP 009						<1000.00	14000.00
20100	2464-04	NC	10-Mar-94	F42	CKG 006						<1000.00	
20100	2465-04	NC	10-Mar-94	F42	CKK 007	<1.04	<1.01	<1.16	<0.97	<1.41		
20100	2663-04	NC	11-Apr-94	F43	CKP 006						<1000.00	
20100	2900-06	2900-01	12-May-94	F43	CLC 006	<1.04	<1.01	<1.16	<0.97	<1.41	1000.00	29.00
20100	3066-04	NC	01-Jun-94	F43	CPR 006						<1000.00	
20100	3480-04	NC	22-Jul-94	F44	CZB 006						<1000.00	
20100	3750-07	3750-01	25-Aug-94	F44	DEO 010	<1.04	<1.01	<1.16	<0.97	<1.41		
20100	3750-07	3750-01	25-Aug-94	F44	DEE 009						<1000.00	21000.00
20100	4026-04	NC	28-Sep-94	F44	DIW 006						2000.00	
20200	1325-01	NC	07-Oct-93	F41	BYR 003						<1000.00	
20200	1699-10	1699-01	11-Nov-93	F41	CCQ 013	32.00	<1.01	<1.16	<0.97	<1.41	3000.00	5100.00
20200	1900-05	NC	08-Dec-93	F41	CDR 007						<1000.00	
20200	2129-02	NC	13-Jan-94	F42	CIY 004						<1000.00	
20200	2291-04	NC	10-Feb-94	F42	CJP 012						<1000.00	<5000.00
20200	2464-05	NC	10-Mar-94	F42	CKG 007						<1000.00	
20200	2465-05	NC	10-Mar-94	F42	CKK 008	3.26	<1.01	<1.16	<0.97	<1.41		
20200	2663-05	NC	11-Apr-94	F43	CKP 007						<1000.00	
20200	2900-09	2900-01	12-May-94	F43	CLC 008	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	30.00
20200	3066-05	NC	01-Jun-94	F43	CPR 007						<1000.00	
20200	3480-05	NC	22-Jul-94	F44	CZB 007						<1000.00	
20200	3750-10	3750-01	25-Aug-94	F44	DEO 013	5.57	<1.01	<1.16	<0.97	4.82		
20200	3750-10	3750-01	25-Aug-94	F44	DEE 012						<1000.00	<5000.00
20200	4026-05	NC	28-Sep-94	F44	DIW 007						<1000.00	

TABLE IV - 5
TCAAP Surface Water Quality Data (Organics) - ug/l (1)

Location (2)	Sample Lab #	Trip Blank Lab #	Date	Qtr (3)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (4)						15	0.33	18000	9.4			
20300	1325-02	NC	07-Oct-93	F41	BYR 004						<1000.00	
20300	1699-11	1699-01	11-Nov-93	F41	CCQ 014	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	5000.00
20300	1900-06 (5)	NC	08-Dec-93	F41	CDR 008						<1000.00	
20300	2129-03	NC	13-Jan-94	F42	CIY 005						<1000.00	
20300	2291-05 (5)	NC	10-Feb-94	F42	CJP 013						<1000.00	21000.00
20300	2464-06 (5)	NC	10-Mar-94	F42	CKG 008						<1000.00	
20300	2465-06	NC	10-Mar-94	F42	CKK 010	<1.04	<1.01	<1.16	<0.97	<1.41		
20300	2663-06 (5)	NC	11-Apr-94	F43	CKP 008						<1000.00	
20300	2900-10 (5)	2900-01	12-May-94	F43	CLC 010	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	1.30
20300	3066-06 (5)	NC	01-Jun-94	F43	CPR 008						<1000.00	
20300	3480-06 (5)	NC	22-Jul-94	F44	CZB 008						<1000.00	
20300	3750-11	3750-01	25-Aug-94	F44	DEO 014	<1.04	<1.01	<1.16	<0.97	10.00		
20300	3750-11 (5)	3750-01	25-Aug-94	F44	DEE 013						<1000.00	<5000.00
20300	4026-06 (5)	NC	28-Sep-94	F44	DIW 008						<1000.00	
20400	1325-03	NC	07-Oct-93	F41	BYR 005						<1000.00	
20400	1699-06	1699-01	11-Nov-93	F41	CCQ 008	<1.04	<1.01	<1.16	<0.97	<1.41	1000.00	5900.00
20400	1900-03	NC	08-Dec-93	F41	CDR 005						<1000.00	
20400	2129-05 (5)	NC	13-Jan-94	F42	CIY 007						<1000.00	
20400	2288-06	2288-01	09-Feb-94	F42	CJP 008						1000.00	7500.00
20400	2464-02	NC	10-Mar-94	F42	CKG 004						<1000.00	
20400	2465-02	NC	10-Mar-94	F42	CKK 005	<1.04	<1.01	<1.16	<0.97	<1.41		
20400	2663-02	NC	11-Apr-94	F43	CKP 004						<1000.00	
20400	2872-02	2872-01	09-May-94	F43	CLB 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	7.40
20400	3066-02	NC	01-Jun-94	F43	CPR 004						<1000.00	
20400	3480-02	NC	22-Jul-94	F44	CZB 004						<1000.00	
20400	3750-06	3750-01	25-Aug-94	F44	DEO 008	<1.04	<1.01	<1.16	<0.97	22.70		
20400	3750-06	3750-01	25-Aug-94	F44	DEE 008						<1000.00	<5000.00
20400	4026-02	NC	28-Sep-94	F44	DIW 004						<1000.00	

TABLE IV - 5
TCAAP Surface Water Quality Data (Organics) - ug/l (1)

Location (2)	Sample Lab #	Trip Blank Lab #	Date	Qtr (3)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (4)						15	0.33	18000	9.4			
20500	1325-04	NC	07-Oct-93	F41	BYR 006						<1000.00	
20500	1699-03	1699-01	11-Nov-93	F41	CCQ 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	<5000.00
20500	1900-01	NC	08-Dec-93	F41	CDR 003						<1000.00	
20500	2129-05	NC	13-Jan-94	F42	CIY 008						<1000.00	
20500	2288-03	2288-01	09-Feb-94	F42	CJP 005						<1000.00	8000.00
20500	2464-03	NC	10-Mar-94	F42	CKG 005						<1000.00	
20500	2465-03	NC	10-Mar-94	F42	CKK 006	<1.04	<1.01	<1.16	<0.97	<1.41		
20500	2663-03	NC	11-Apr-94	F43	CKP 005						<1000.00	
20500	2872-05	2872-01	09-May-94	F43	CLB 008	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	1.40
20500	3066-03	NC	01-Jun-94	F43	CPR 005						<1000.00	
20500	3480-03	NC	22-Jul-94	F44	CZB 005						1000.00	
20500	3750-03	3750-01	25-Aug-94	F44	DEO 005	<1.04	<1.01	<1.16	<0.97	<1.41		
20500	3750-03	3750-01	25-Aug-94	F44	DEE 005						<1000.00	<5000.00
20500	4026-03	NC	28-Sep-94	F44	DIW 005						<1000.00	
20700	1699-08	1699-01	11-Nov-93	F41	CCQ 011	<1.04	<1.01	<1.16	<0.97	<1.41	1000.00	16000.00
20700	2291-02	NC	10-Feb-94	F42	CJP 010						<1000.00	27000.00
20700	2465-10 (5)	NC	10-Mar-94	F42	CKK 014	<1.04	<1.01	<1.16	<0.97	<1.41		
20700	2850-01	NA	03-May-94	F43	CKT 004	<1.04	<1.01	<1.16	<0.97	<1.41		
20700	2900-02	2900-01	12-May-94	F43	CLC 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	32.00
20700	3750-08	3750-01	25-Aug-94	F44	DEO 011	<1.04	<1.01	<1.16	<0.97	21.00		
20700	3750-08	3750-01	25-Aug-94	F44	DEE 010						<1000.00	25000.00
20800	1325-05	NC	07-Oct-93	F41	BYR 007						<1000.00	
20800	1699-05	1699-01	11-Nov-93	F41	CCQ 007	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	13000.00
20800	1900-02	NC	08-Dec-93	F41	CDR 004						<1000.00	
20800	2129-05	NC	13-Jan-94	F42	CIY 006						1000.00	
20800	2288-05	2288-01	09-Feb-94	F42	CJP 007						1000.00	23000.00
20800	2464-01	NC	10-Mar-94	F42	CKG 003						<1000.00	
20800	2465-01	NC	10-Mar-94	F42	CKK 004	<1.04	<1.01	<1.16	<0.97	<1.41		
20800	2663-01	NC	11-Apr-94	F43	CKP 003						<1000.00	

TABLE IV - 5
TCAAP Surface Water Quality Data (Organics) - ug/l (1)

Location (2)	Sample Lab #	Trip Blank Lab #	Date	Qtr (3)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (4)						15	0.33	18000	9.4			
20800	2872-03	2872-01	09-May-94	F43	CLB 006	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	29.00
20800	3066-01	NC	01-Jun-94	F43	CPR 003						<1000.00	
20800	3480-01	NC	22-Jul-94	F44	CZB 003						<1000.00	
20800	3750-05		25-Aug-94	F44	DEO 007	<1.04	<1.01	<1.16	<0.97	6.50		
20800	3750-05	3750-01	25-Aug-94	F44	DEE 007						<1000.00	22000.00
20800	4026-01	NC	28-Sep-94	F44	DIW 003						<1000.00	
20900	1699-02	1699-01	11-Nov-93	F41	CCQ 004	<1.04	<1.01	<1.16	<0.97	3.38	<1000.00	14000.00
20900	2288-02	2288-01	09-Feb-94	F42	CJP 004						<1000.00	29000.00
20900	2465-07	NC	10-Mar-94	F42	CKK 011	<1.04	<1.01	<1.16	<0.97	<1.41		
20900	2872-06	2872-01	09-May-94	F43	CLB 009	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	30.00
20900	3750-02	3750-01	25-Aug-94	F44	DEO 004	<1.04	<1.01	<1.16	<0.97	5.60		
20900	3750-02	3750-01	25-Aug-94	F44	DEE 004						<1000.00	28000.00
21000	1699-04	1699-01	11-Nov-93	F41	CCQ 006	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	93000.00
21000	2288-04	2288-01	09-Feb-94	F42	CJP 006						<1000.00	21000.00
21000	2465-08	NC	10-Mar-94	F42	CKK 012	<1.04	<1.01	<1.16	<0.97	<1.41		
21000	2872-04	2872-01	09-May-94	F43	CLB 007	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	32.00
21000	3750-04	3750-01	25-Aug-94	F44	DEO 006	<1.04	<1.01	<1.16	<0.97	28.40		
21000	3750-04	3750-01	25-Aug-94	F44	DEE 006						<1000.00	22000.00
21100	1699-09	1699-01	11-Nov-93	F41	CCQ 012	<1.04	<1.01	<1.16	<0.97	<1.41	1000.00	12000.00
21100	2291-03	NC	10-Feb-94	F42	CJP 011						<1000.00	11000.00
21100	2465-09	NC	10-Mar-94	F42	CKK 013	<1.04	<1.01	<1.16	<0.97	<1.41		
21100	2900-07	2900-01	12-May-94	F43	CLC 007	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	18.00
21100	3750-09	3750-01	25-Aug-94	F44	DEO 012	<1.04	<1.01	<1.16	<0.97	20.40		
21100	3750-09	3750-01	25-Aug-94	F44	DEE 011						<1000.00	7700.00

TABLE IV - 5
TCAAP Surface Water Quality Data (Organics) - ug/l (1)

Location (2)	Sample Lab #	Trip Blank Lab #	Date	Qtr (3)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (4)						15	0.33	18000	9.4			
21200	2900-05	2900-01	12-May-94	F43	CLC 013	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	21.00
21300	2900-03	2900-01	12-May-94	F43	CLC 011	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	33.00
21400	2900-04	2900-01	12-May-94	F43	CLC 012	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	21.00
21600	2900-08	2900-01	12-May-94	F43	CLC 014	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	5.70

Table IV-6

TCAAP Surface Water Quality Data (Inorganics)

Notes:

(1) This table represents monitoring performed for FCC during FY 93 in accordance with the TCAAP National Pollutant Discharge Elimination System (NPDES) permit. All concentration units are indicated below the respective parameters.

(2) Sites refer to monitoring locations illustrated on Figure VIII-1 of this report.

(3) Qtr = Quarter. Under this heading, F = FCC.

(4) TCAAP SW Action Criteria = surface water action criteria set forth in Table 3.7B of the Federal Facilities Agreement. Criteria also exist for cadmium, chromium, and lead, but these are not shown since they involve a calculation using hardness. Refer to Table 3.7B (above) for these calculations.

(5) Field blank collected at this location. See Appendix I for field blank data.

(6) These entries are the lot and sample numbers for the corresponding data points.

Shading denotes exceedances or potential exceedances of TCAAP action criteria. Exceedances are concentrations greater than the TCAAP action criteria. Potential exceedances are values reported as "less than the method detection limit," where the method detection limit is greater than the TCAAP action criteria.

Data in parentheses is raw laboratory data submitted to IRDMIS, but not yet processed.

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TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (4)						11.00		13.40		0.14	5.20			47.00			
20100 (5)	NC	07-Oct-93	F41									<12.10	28.10				
20100 (6)	NC	07-Oct-93	F41									BYN 009	BYO 009				
20100	1699-01	11-Nov-93	F41		<0.10	<2.18	<0.50	<5.94			<8.35	<12.10	17.10	31.10	<3.70	6.70	<8.80
20100 (6)	1699-01	11-Nov-93	F41		CCR 009	CCS 009	CCT 009	CCU 009			CCX 009	CCV 008	CCW 009	CCY 009	CDK 003	CDK 003	CDL 003
20100	NC	08-Dec-93	F41									<12.10	15.10				
20100 (6)	NC	08-Dec-93	F41									CDN 006	CDO 007				
20100		18-Dec-93	F41														
20100 (6)		18-Dec-93	F41														
20100	NC	13-Jan-94	F42									49.50	30.10				
20100 (6)	NC	13-Jan-94	F42									CIU 003	CIV 004				
20100		09-Feb-94	F42														
20100 (6)		09-Feb-94	F42														
20100	NC	10-Feb-94	F42		0.68	<2.18	2.50	<5.94			<8.35	<12.10	23.10	40.10	6.90	17.90	<21.20
20100 (6)	NC	10-Feb-94	F42		CJI 009	CJJ 009	CJK 009	CJL 010			CJM 009	CJD 009	CJE 009	CJN 009	CJX 003	CJX 003	CJY 003
20100	NC	10-Mar-94	F42									<12.10	20.90				
20100 (6)	NC	10-Mar-94	F42									CKC 007	CKD 007				
20100	NC	11-Apr-94	F43									<12.10	22.10				
20100 (6)	NC	11-Apr-94	F43									CKL 006	CKM 007				
20100	2900-01	12-May-94	F43	<1.93	<0.10	<2.18	1.09	<5.94	<2.65	<0.70	<5.00	68.10	65.30	45.10	<2.00	10.90	<21.50
20100 (6)	2900-01	12-May-94	F43	CLI 016	CLD 017	CLE 017	CLF 016	CLG 016	CLH 017	CLJ 013	CLN 014	CLL 008	CLM 013	CLO 013	CMA 010	CMA 010	CMB 010
20100	NC	01-Jun-94	F43									17.50	47.90				
20100 (6)	NC	01-Jun-94	F43									CPN 007	CPO 007				
20100	NC	22-Jul-94	F44									<12.10	98.40				
20100 (6)	NC	22-Jul-94	F44									CYX 007	CYY 007				
20100	3750-01	25-Aug-94	F44		<0.10	2.95	7.85	<5.94			<8.35	<12.10	140.00	114.00	<2.40	<5.00	310.00
20100 (6)	3750-01	25-Aug-94	F44		DDX 009	DDY 009	DDZ 021	DEA 009			DEB 009	DDS 009	DDT 009	DEC 009	DEL 003	DEL 003	DEL 003
20100	NC	28-Sep-94	F44									<12.10	59.20				
20100 (6)	NC	28-Sep-94	F44									DIS 007	DIT 007				
20200	NC	07-Oct-93	F41									51.1	50.20				
20200 (6)	NC	07-Oct-93	F41									BYN 003	BYO 004				
20200	1699-01	11-Nov-93	F41		<0.10	<2.18	2.75	<5.94			<8.35	<12.10	110.00	<29.40			
20200 (6)	1699-01	11-Nov-93	F41		CCR 012	CCS 012	CCT 012	CCU 012			CCX 012	CCV 012	CCW 012	CCY 012			
20200	NC	08-Dec-93	F41									<12.10	45.20				
20200 (6)	NC	08-Dec-93	F41									CDN 008	CDO 008				
20200		18-Dec-93	F41														
20200 (6)		18-Dec-93	F41														
20200	NC	13-Jan-94	F42									93.50	141.00				
20200 (6)	NC	13-Jan-94	F42									CIU 004	CIV 005				
20200		09-Feb-94	F42														
20200 (6)		09-Feb-94	F42														

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab Conductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	CO60 (pC/l)	CS137 (pC/l)	U234 (pC/l)	U235 (pC/l)	U238 (pC/l)
TCAAP SW Action Criteria (4)																	
20100 (5)	NC	07-Oct-93	F41			2240.00		20100	6.72	292.00	3000.00						
20100 (6)	NC	07-Oct-93	F41			BYT 006		BYQ 009	BYS 006	BYU 006	BYP 008						
20100	1699-01	11-Nov-93	F41	<4000.00	20.00	2140.00	140.00	23000	8.54	290.00	1000.00	10.00	<3.80	<5.00	<0.30	<0.30	<0.30
20100 (6)	1699-01	11-Nov-93	F41	CDE 008	CDB 010	CDI 006	CDF 008	CDC 008	CDH 006	CDJ 006	CCZ 008	CDG 002	CDL 003	CDL 003	CDM 003	CDM 003	CDM 003
20100	NC	08-Dec-93	F41					22000			7000.00						
20100 (6)	NC	08-Dec-93	F41					CDQ 007			CDP 006						
20100		18-Dec-93	F41			1790.00			7.70	289.00							
20100 (6)		18-Dec-93	F41			CDT 004			CDS 004	CDU 004							
20100	NC	13-Jan-94	F42			2430.00		28000	6.33	392.00	<1000.00						
20100 (6)	NC	13-Jan-94	F42			CJA 001		CIX 003	CIZ 001	CJB 001	CIW 002						
20100		09-Feb-94	F42			1100.00			6.85	454.00							
20100 (6)		09-Feb-94	F42			CJV 006			CJU 006	CJW 006							
20100	NC	10-Feb-94	F42	<4000.00	29.00		0.30	35000			6000.00	<10.00	<10.00	<11.20	0.10	<0.10	<0.10
20100 (6)	NC	10-Feb-94	F42	CJQ 008	CJO 010		CJR 008	CJG 009			CJF 008	CJT 002	CJY 003	CJY 003	CJZ 003	CJZ 003	CJZ 003
20100	NC	10-Mar-94	F42			980.00		38000	7.78	449.00	3000.00						
20100 (6)	NC	10-Mar-94	F42			CKI 004		CKF 007	CKH 004	CKJ 004	CKE 006						
20100	NC	11-Apr-94	F43			3030.00		37000	7.25	369.00	<1000.00						
20100 (6)	NC	11-Apr-94	F43			CKR 004		CKO 006	CKQ 004	CKS 004	CKN 006						
20100	2900-01	12-May-94	F43	<4.00	36.00	0.002	0.11	28400	7.13	286.00	24000.00	<10.00	<9.50	<12.00	0.90	0.20	0.30
20100 (6)	2900-01	12-May-94	F43	CMG 007	CLS 012	CME 010	CLX 012	CLR 011	CMD 010	CMF 010	CLP 012	CLW 006	CMB 010	CMB 010	CMC 010	CMC 010	CMC 010
20100	NC	01-Jun-94	F43			0.001		25900	7.06	305.00	5000.00						
20100 (6)	NC	01-Jun-94	F43			CPT 004		CPQ 006	CPS 004	CPU 004	CPP 006						
20100	NC	22-Jul-94	F44			450.00		16500	6.64	304.00	4000.00						
20100 (6)	NC	22-Jul-94	F44			CZD 004		CZA 007	CZC 004	CZE 004	CYZ 006						
20100	3750-01	25-Aug-94	F44	10000.00	69.00	1220.00	380.00	16400	6.68	306.00	11000.00	230.00	<5.00	<4.30	1.00	<0.20	<0.40
20100 (6)	3750-01	25-Aug-94	F44	DEF 008	DED 009	DEJ 006	DEG 008	DDV 009	DEI 006	DEK 006	DDU 008	DEH 007	DEL 003	DEL 003	DEL 003	DEL 003	DEL 003
20100	NC	28-Sep-94	F44			730.00		31000	6.55	285.00	6000.00						
20100 (6)	NC	28-Sep-94	F44			DIY 004		DIV 007	DIX 004	DIZ 004	DIU 006						
20200	NC	07-Oct-93	F41			9000.00		140000	7.89	858.00	6000.00						
20200 (6)	NC	07-Oct-93	F41			BYT 001		BYQ 003	BYS 001	BYU 001	BYP 003						
20200	1699-01	11-Nov-93	F41	<4000.00	12.00	6500.00	400.00	79000	8.21	804.00	5000.00	<10.00					
20200 (6)	1699-01	11-Nov-93	F41	CDE 011	CDB 013	CDI 009	CDF 011	CDC 012	CDH 009	CDJ 009	CCZ 011	CDG 003					
20200	NC	08-Dec-93	F41					98000			2000.00						
20200 (6)	NC	08-Dec-93	F41					CDQ 008			CDP 007						
20200		18-Dec-93	F41			8500.00			7.98	890.00							
20200 (6)		18-Dec-93	F41			CDT 005			CDS 005	CDU 005							
20200	NC	13-Jan-94	F42			10200.00		110000	6.88	839.00	1000.00						
20200 (6)	NC	13-Jan-94	F42			CJA 002		CIX 004	CIZ 002	CJB 002	CIW 003						
20200		09-Feb-94	F42			2210.00			8.65	900.00							
20200 (6)		09-Feb-94	F42			CJV 009			CJU 009	CJW 009							

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (4)						11.00		13.40		0.14	5.20			47.00			
20200	NC	10-Feb-94	F42		0.39	<2.18	3.21	<5.94			<8.35	<12.10	321.00	30.10			
20200 (6)	NC	10-Feb-94	F42		CJI 012	CJJ 012	CJK 012	CJL 011			CJM 012	CJD 012	CJE 012	CJN 012			
20200	NC	10-Mar-94	F42									26.80	70.00				
20200 (6)	NC	10-Mar-94	F42									CKC 008	CKD 008				
20200	NC	11-Apr-94	F43									<12.10	55.20				
20200 (6)	NC	11-Apr-94	F43									CKL 008	CKM 008				
20200	2900-01	12-May-94	F43	<1.93	<0.10	<2.18	1.98	<5.94	<2.65	<0.70	<5.00	39.00	72.30	40.10	2.60	6.30	<6.90
20200 (6)	2900-01	12-May-94	F43	CLI 019	CLD 020	CLE 020	CLF 019	CLG 019	CLH 020	CLJ 016	CLN 017	CLL 011	CLM 016	CLO 016	CMA 013	CMA 013	CMB 013
20200	NC	01-Jun-94	F43									23.40	45.10				
20200 (6)	NC	01-Jun-94	F43									CPN 008	CPO 008				
20200	NC	22-Jul-94	F44									<12.10	48.20				
20200 (6)	NC	22-Jul-94	F44									CYX 008	CYY 008				
20200	3750-01	25-Aug-94	F44		<0.10	<2.18	11.10	7.02			<8.35	<12.10	74.40	211.00			
20200 (6)	3750-01	25-Aug-94	F44		DDX 012	DDY 012	DDZ 024	DEA 012			DEB 013	DDS 012	DDT 012	DEC 012			
20200	NC	28-Sep-94	F44									<12.10	79.30				
20200 (6)	NC	28-Sep-94	F44									DIS 008	DIT 008				
20300	NC	07-Oct-93	F41									34.60	98.40				
20300 (6)	NC	07-Oct-93	F41									BYN 004	BYO 005				
20300	1699-01	11-Nov-93	F41		<0.10	4.58	<0.50	<5.94			<8.35	<12.10	78.30	<29.40	<8.00	<6.40	<6.90
20300 (6)	1699-01	11-Nov-93	F41		CCR 013	CCS 013	CCT 013	CCU 013			CCX 013	CCV 013	CCW 013	CCY 013	CDK 005	CDK 005	CDL 005
20300 (5)	NC	08-Dec-93	F41									<12.10	70.30				
20300 (6)	NC	08-Dec-93	F41									CDN 009	CDO 009				
20300		18-Dec-93	F41														
20300 (6)		18-Dec-93	F41														
20300	NC	13-Jan-94	F42									65.00	84.30				
20300 (6)	NC	13-Jan-94	F42									CIU 005	CIV 006				
20300		09-Feb-94	F42														
20300 (6)		09-Feb-94	F42														
20300 (5)	NC	10-Feb-94	F42		0.29	<2.18	9.57	<5.94			<8.35	<12.10	201.00	100.00	7.40	10.30	<18.30
20300 (6)	NC	10-Feb-94	F42		CJI 013	CJJ 013	CJK 013	CJL 012			CJM 013	CJD 013	CJE 013	CJN 013	CJX 005	CJX 005	CJY 005
20300 (5)	NC	10-Mar-94	F42									<12.10	17.20				
20300 (6)	NC	10-Mar-94	F42									CKC 009	CKD 009				
20300 (5)	NC	11-Apr-94	F43									<12.10	33.10				
20300 (6)	NC	11-Apr-94	F43									CKL 009	CKM 009				
20300 (5)	2900-01	12-May-94	F43	<1.93	<0.10	<2.18	1.88	<5.94	<2.65	<0.70	<5.00	51.80	74.30	40.10	6.00	<7.20	<14.40
20300 (6)	2900-01	12-May-94	F43	CLI 020	CLD 021	CLE 021	CLF 020	CLG 020	CLH 021	CLJ 017	CLN 018	CLL 012	CLM 017	CLO 017	CMA 014	CMA 014	CMB 014
20300 (5)	NC	01-Jun-94	F43									33.50	80.60				
20300 (6)	NC	01-Jun-94	F43									CPN 009	CPO 009				
20300 (5)	NC	22-Jul-94	F44									<12.10	70.30				
20300 (6)	NC	22-Jul-94	F44									]	CYY 009				

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	Lab pH	Conductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	CO60 (pC/l)	CS137 (pC/l)	U234 (pC/l)	U235 (pC/l)	U238 (pC/l)
TCAAP SW Action Criteria (4)																	
20200	NC	10-Feb-94	F42	7000.00	15.00		0.59	97000			16000.00	<10.00					
20200 (6)	NC	10-Feb-94	F42	CJQ 011	CJO 013		CJR 011	CJG 012			CJF 011	CJT 005					
20200	NC	10-Mar-94	F42			9030.00		100000	8.41	872.00	3000.00						
20200 (6)	NC	10-Mar-94	F42			CKI 005		CKF 008	CKH 005	CKJ 005	CKE 007						
20200	NC	11-Apr-94	F43			8140.00		310000	8.14	1030.00	9000.00						
20200 (6)	NC	11-Apr-94	F43			CKR 005		CKO 008	CKQ 005	CKS 005	CKN 007						
20200	2900-01	12-May-94	F43	<4.00	42.00	0.01	<0.05	36800	7.50	408.00	6000.00	10.00	<4.40	<2.50	1.40	0.30	0.60
20200 (6)	2900-01	12-May-94	F43	CMG 010	CLS 015	CME 013	CLX 015	CLR 014	CMD 013	CMF 013	CLP 015	CLW 009	CMB 013	CMB 013	CMC 013	CMC 013	CMC 013
20200	NC	01-Jun-94	F43			0.01		96000	7.46	768.00	<1000.00						
20200 (6)	NC	01-Jun-94	F43			CPT 005		CPQ 009	CPS 005	CPU 005	CPP 007						
20200	NC	22-Jul-94	F44			3320.00		102000	8.09	744.00	<1000.00						
20200 (6)	NC	22-Jul-94	F44			CZD 005		CZA 008	CZC 005	CZE 005	CYZ 007						
20200	3750-01	25-Aug-94	F44	<4000.00	14.00	7790.00	400.00	135000	8.25	667.00	<1000.00	90.00					
20200 (6)	3750-01	25-Aug-94	F44	DEF 011	DED 012	DEJ 009	DEG 011	DDV 012	DEI 009	DEK 009	DDU 011	DEH 010					
20200	NC	28-Sep-94	F44			7300.00		210000	7.30	597.00	<1000.00						
20200 (6)	NC	28-Sep-94	F44			DIY 005		DIV 008	DIX 005	DIZ 005	DIU 007						
20300	NC	07-Oct-93	F41			8440.00		118000	7.76	937.00	7000.00						
20300 (6)	NC	07-Oct-93	F41			BYT 002		BYQ 004	BYS 002	BYU 002	BYP 004						
20300	1699-01	11-Nov-93	F41	<4000.00	10.00	7390.00	2900.00	98000	8.30	880.00	<1000.00	<10.00	<2.90	<4.00	<0.40	<0.50	<0.90
20300 (6)	1699-01	11-Nov-93	F41	CDE 012	CDB 014	CDI 010	CDF 012	CDC 013	CDH 010	CDJ 010	CCZ 012	CDG 004	CDL 005	CDL 005	CDM 005	CDM 005	CDM 005
20300 (5)	NC	08-Dec-93	F41					86000			5000.00						
20300 (6)	NC	08-Dec-93	F41					CDQ 009			CDP 008						
20300		18-Dec-93	F41			10200.00			8.08	856.00							
20300 (6)		18-Dec-93	F41			CDT 006			CDS 006	CDU 006							
20300	NC	13-Jan-94	F42			9310.00		69000	8.07	894.00	9000.00						
20300 (6)	NC	13-Jan-94	F42			CJA 003		CIX 005	CIZ 003	CJB 003	CIW 004						
20300		09-Feb-94	F42			800.00			7.81	725.00							
20300 (6)		09-Feb-94	F42			CJV 010			CJU 010	CJW 010							
20300 (5)	NC	10-Feb-94	F42	<4000.00	42.00		1.10	51000			10000.00	<10.00	<9.40	<8.90	0.30	<0.10	0.30
20300 (6)	NC	10-Feb-94	F42	CJQ 012	CJO 014		CJR 012	CJG 013			CJF 012	CJT 006	CJY 005	CJY 005	CJZ 005	CJZ 005	CJZ 005
20300 (5)	NC	10-Mar-94	F42			9500.00		65000	8.72	773.00	2000.00						
20300 (6)	NC	10-Mar-94	F42			CKI 006		CKF 009	CKH 006	CKJ 006	CKE 008						
20300 (5)	NC	11-Apr-94	F43			10500.00		63000	8.31	815.00	<1000.00						
20300 (6)	NC	11-Apr-94	F43			CKR 006		CKO 009	CKQ 006	CKS 006	CKN 008						
20300 (5)	2900-01	12-May-94	F43	<4.00	12.00	0.01	0.24	106000	7.63	797.00	3000.00	<10.00	<6.30	<8.10	1.80	0.40	1.30
20300 (6)	2900-01	12-May-94	F43	CMG 011	CLS 016	CME 014	CLX 016	CLR 019	CMD 014	CMF 014	CLP 016	CLW 010	CMB 014	CMB 014	CMC 014	CMC 014	CMC 014
20300 (5)	NC	01-Jun-94	F43			0.01		125000	7.85	873.00	<1000.00						
20300 (6)	NC	01-Jun-94	F43			CPT 006		CPQ 010	CPS 006	CPU 006	CPP 008						
20300 (5)	NC	22-Jul-94	F44			3640.00		102000	8.09	869.00	3000.00						
20300 (6)	NC	22-Jul-94	F44			CZD 006		CZA 009	CZC 006	CZE 006	CYZ 008						

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (4)						11.00		13.40		0.14	5.20			47.00			
20300 (5)	3750-01	25-Aug-94	F44		<0.10	<2.18	8.56	7.01			<8.35	<12.10	98.40	142.00	<2.90	<6.20	19.50
20300 (6)	3750-01	25-Aug-94	F44		DDX 013	DDY 013	DDZ 025	DEA 013			DEB 014	DDS 013	DDT 013	DEC 013	DEL 005	DEL 005	DEL 005
20300 (5)	NC	28-Sep-94	F44									<12.10	68.30				
20300 (6)	NC	28-Sep-94	F44									DIS 009	DIT 009				
20400	NC	07-Oct-93	F41									36.00	48.20				
20400 (6)	NC	07-Oct-93	F41									BYN 005	BYO 006				
20400	1699-01	11-Nov-93	F41		0.18	130.00	<0.50	<5.94			<8.35	16.50	36.10	<29.40			
20400 (6)	1699-01	11-Nov-93	F41		CCR 008	CCS 008	CCT 008	CCU 008			CCX 007	CCV 007	CCW 008	CCY 008			
20400	NC	08-Dec-93	F41									<12.10	30.10				
20400 (6)	NC	08-Dec-93	F41									CDN 005	CDO 006				
20400		18-Dec-93	F41														
20400 (6)		18-Dec-93	F41														
20400	NC	13-Jan-94	F42									12.30	40.20				
20400 (6)	NC	13-Jan-94	F42									CIU 008	CIV 008				
20400	2288-01	09-Feb-94	F42		0.19	5.41	2.12	<5.94			<8.35	<12.10	47.20	40.10			
20400 (6)	2288-01	09-Feb-94	F42		CJI 008	CJJ 008	CJK 008	CJL 008			CJM 007	CJD 007	CJE 008	CJN 008			
20400	NC	10-Mar-94	F42									<12.10	47.30				
20400 (6)	NC	10-Mar-94	F42									CKC 005	CKD 005				
20400	NC	11-Apr-94	F43									<12.10	39.20				
20400 (6)	NC	11-Apr-94	F43									CKL 004	CKM 005				
20400	2872-01	09-May-94	F43	<1.93	0.19	<2.18	8.51	<5.94	<2.65	<0.70	<5.00	37.40	37.10	44.10	<4.70	9.40	<15.30
20400 (6)	2872-01	09-May-94	F43	CLI 007	CLD 008	CLE 008	CLF 007	CLG 007	CLH 008	CLJ 004	CLN 003	CLK 006	CLM 004	CLO 004	CMA 001	CMA 001	CMB 001
20400	NC	01-Jun-94	F43									17.80	50.70				
20400 (6)	NC	01-Jun-94	F43									CPN 004	CPO 005				
20400	NC	22-Jul-94	F44									<12.10	42.20				
20400 (6)	NC	22-Jul-94	F44									CYX 005	CYY 005				
20400	3750-01	25-Aug-94	F44		<0.10	3.66	7.07	9.03			<8.35	<12.10	35.70	63.10			
20400 (6)	3750-01	25-Aug-94	F44		DDX 008	DDY 008	DDZ 020	DEA 008			DEB 008	DDS 008	DDT 008	DEC 008			
20400	NC	28-Sep-94	F44									<12.10	38.20				
20400 (6)	NC	28-Sep-94	F44									DIS 005	DIT 005				
20500	NC	07-Oct-93	F41									<12.10	55.20				
20500 (6)	NC	07-Oct-93	F41									BYN 006	BYO 007				
20500	1699-01	11-Nov-93	F41		0.14	<2.18	5.41	<5.94			<8.35	<12.10	392.00	35.10	11.50	10.20	8.50
20500 (6)	1699-01	11-Nov-93	F41		CCR 005	CCS 005	CCT 005	CCU 005			CCX 004	CCV 004	CCW 005	CCY 005	CDK 001	CDK 001	CDL 001
20500	NC	08-Dec-93	F41									<12.10	93.40				
20500 (6)	NC	08-Dec-93	F41									CDN 003	CDO 004				
20500		18-Dec-93	F41														
20500 (6)		18-Dec-93	F41														
20500 (5)	NC	13-Jan-94	F42									49.20	89.40				
20500 (6)	NC	13-Jan-94	F42									CIU 009	CIV 009				

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab Conductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	CO60 (pC/l)	CS137 (pC/l)	U234 (pC/l)	U235 (pC/l)	U238 (pC/l)
TCAAP SW Action Criteria (4)																	
20300 (5)	3750-01	25-Aug-94	F44	5000.00	10.00	6910.00	230.00	123000	8.29	653.00	<1000.00	3000.00	<9.50	<8.00	1.60	<0.50	0.60
20300 (6)	3750-01	25-Aug-94	F44	DEF 012	DED 013	DEJ 010	DEG 012	DDV 013	DEI 010	DEK 010	DDU 012	DEH 011	DEL 005	DEL 005	DEL 005	DEL 005	DEL 005
20300 (5)	NC	28-Sep-94	F44			6640.00		94000	8.21	607.00	<1000.00						
20300 (6)	NC	28-Sep-94	F44			DIY 006		DIV 009	DIX 006	DIZ 006	DIU 008						
20400	NC	07-Oct-93	F41			7880.00		61600	7.61	861.00	5000.00						
20400 (6)	NC	07-Oct-93	F41			BYT 003		BYQ 005	BYS 003	BYU 003	BYP 005						
20400	1699-01	11-Nov-93	F41	<4000.00	14.00	5260.00	220.00	42000	8.33	804.00	3000.00	<10.00					
20400 (6)	1699-01	11-Nov-93	F41	CDE 007	CDB 009	CDI 005	CDF 007	CDC 007	CDH 005	CDJ 005	CCZ 007	CDG 005					
20400	NC	08-Dec-93	F41					46000			3000.00						
20400 (6)	NC	08-Dec-93	F41					CDQ 005			CDP 005						
20400		18-Dec-93	F41			9500.00			8.06	823.00							
20400 (6)		18-Dec-93	F41			CDT 003			CDS 003	CDU 003							
20400	NC	13-Jan-94	F42			10200.00		52000	8.27	861.00	1000.00						
20400 (6)	NC	13-Jan-94	F42			CJA 005		CIX 008	CIZ 005	CJB 005	CIW 006						
20400	2288-01	09-Feb-94	F42	<4000.00	17.00	10200.00	0.50	58000	8.05	991.00	5000.00	10.00					
20400 (6)	2288-01	09-Feb-94	F42	CJQ 007	CJO 009	CJV 005	CJR 007	CJG 007	CJU 005	CJW 005	CJF 007	CJS 006					
20400	NC	10-Mar-94	F42			7570.00		57000	7.25	960.00	5000.00						
20400 (6)	NC	10-Mar-94	F42			CKI 002		CKF 004	CKH 002	CKJ 002	CKE 004						
20400	NC	11-Apr-94	F43			7500.00		64000	7.69	870.00	1000.00						
20400 (6)	NC	11-Apr-94	F43			CKR 002		CKO 004	CKQ 002	CKS 002	CKN 004						
20400	2872-01	09-May-94	F43	<4.00	14.00	0.01	0.29	54400	7.49	739.00	4000.00	<10.00	<3.90	<11.40	1.30	0.10	1.10
20400 (6)	2872-01	09-May-94	F43	CLU 003	CLS 003	CME 001	CLX 003	CLR 003	CMD 001	CMF 001	CLP 007	CLV 003	CMB 001	CMB 001	CMC 001	CMC 001	CMC 001
20400	NC	01-Jun-94	F43			0.01		59500	7.23	761.00	4000.00						
20400 (6)	NC	01-Jun-94	F43			CPT 002		CPQ 004	CPS 002	CPU 002	CPP 004						
20400	NC	22-Jul-94	F44			3700.00		41300	7.84	689.00	2000.00						
20400 (6)	NC	22-Jul-94	F44			CZD 002		CZA 004	CZC 002	CZE 002	CYZ 004						
20400	3750-01	25-Aug-94	F44	8000.00	12.00	9240.00	290.00	53200	7.81	615.00	2000.00	220.00					
20400 (6)	3750-01	25-Aug-94	F44	DEF 007	DED 008	DEJ 005	DEG 007	DDV 008	DEI 005	DEK 005	DDU 007	DEH 006					
20400	NC	28-Sep-94	F44			5500.00		74000	7.80	597.00	<1000.00						
20400 (6)	NC	28-Sep-94	F44			DIY 002		DIV 005	DIX 002	DIZ 002	DIU 004						
20500	NC	07-Oct-93	F41			8250.00		91600	8.02	791.00	3000.00						
20500 (6)	NC	07-Oct-93	F41			BYT 004		BYQ 007	BYS 004	BYU 004	BYP 006						
20500	1699-01	11-Nov-93	F41	<4000.00	8.00	6420.00	220.00	37000	8.30	591.00	1000.00	1300.00	8.50	<5.40	0.70	<0.10	0.30
20500 (6)	1699-01	11-Nov-93	F41	CDE 004	CDB 006	CDI 002	CDF 004	CDC 004	CDH 002	CDJ 002	CCZ 004	CDG 006	CDL 001	CDL 001	CDM 001	CDM 001	CDM 001
20500	NC	08-Dec-93	F41					180000			4000.00						
20500 (6)	NC	08-Dec-93	F41					CDQ 003			CDP 003						
20500		18-Dec-93	F41			89.00			7.75	1140.00							
20500 (6)		18-Dec-93	F41			CDT 001			CDS 001	CDU 001							
20500 (5)	NC	13-Jan-94	F42			8420.00		210000	8.15	1270.00	3000.00						
20500 (6)	NC	13-Jan-94	F42			CJA 006		CIX 009	CIZ 006	CJB 006	CIW 007						

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (4)						11.00		13.40		0.14	5.20			47.00			
20500	2288-01	09-Feb-94	F42		0.10	7.42	8.23	<5.94			<8.35	71.40	72.30	100.00	27.30	<21.00	<18.30
20500 (6)	2288-01	09-Feb-94	F42		CJI 005	CJJ 005	CJK 005	CJL 005			CJM 004	CJD 004	CJE 005	CJN 005	CJX 001	CJX 001	CJY 001
20500	NC	10-Mar-94	F42									<12.10	75.60				
20500 (6)	NC	10-Mar-94	F42									CKC 006	CKD 006				
20500	NC	11-Apr-94	F43									<12.10	51.20				
20500 (6)	NC	11-Apr-94	F43									CKL 005	CKM 006				
20500	2872-01	09-May-94	F43	<1.93	0.29	<2.18	4.26	<5.94	<2.65	<0.70	<5.00	30.30	50.20	114.00	<6.40	<10.60	<20.30
20500 (6)	2872-01	09-May-94	F43	CLI 010	CLD 011	CLE 011	CLF 010	CLG 010	CLH 011	CLJ 007	CLN 006	CLK 007	CLM 007	CLO 007	CMA 004	CMA 004	CMB 004
20500	NC	01-Jun-94	F43									28.90	48.80				
20500 (6)	NC	01-Jun-94	F43									CPN 005	CPO 006				
20500	NC	22-Jul-94	F44									<12.10	55.20				
20500 (6)	NC	22-Jul-94	F44									CYX 006	CYY 006				
20500	3750-01	25-Aug-94	F44		<0.10	3.62	31.00	13.40			<8.35	<12.10	54.20	88.20	<3.40	<6.30	21.80
20500 (6)	3750-01	25-Aug-94	F44		DDX 005	DDY 005	DDZ 017	DEA 005			DEB 004	DDS 005	DDT 005	DEC 005	DEL 001	DEL 001	DEL 001
20500	NC	28-Sep-94	F44									<12.10	351.00				
20500 (6)	NC	28-Sep-94	F44									DIS 006	DIT 006				
20700	1699-01	11-Nov-93	F41		<0.10	<2.18	<0.50	<5.94			<8.35	<12.10	67.30	<29.40	<4.60	4.30	<15.00
20700 (6)	1699-01	11-Nov-93	F41		CCR 010	CCS 010	CCT 010	CCU 010			CCX 010	CCV 010	CCW 010	CCY 010	CDK 004	CDK 004	CDL 004
20700		09-Feb-94	F42														
20700 (6)		09-Feb-94	F42														
20700	NC	10-Feb-94	F42		0.10	<2.18	3.81	<5.94			<8.35	<12.10	61.20	<29.40	<4.80	19.20	<16.10
20700 (6)	NC	10-Feb-94	F42		CJI 010	CJJ 010	CJK 010	CJL 009			CJM 010	CJD 010	CJE 010	CJN 010	CJX 004	CJX 004	CJY 004
20700	2900-01	12-May-94	F43	<1.93	<0.10	<2.18	<0.50	<5.94	<2.65	<0.70	<5.00	54.40	87.30	33.10	5.30	10.90	<22.30
20700 (6)	2900-01	12-May-94	F43	CLI 012	CLD 013	CLE 013	CLF 012	CLG 012	CLH 013	CLJ 009	CLN 009	CLL 003	CLM 009	CLO 009	CMA 006	CMA 006	CMB 006
20700	3750-01	25-Aug-94	F44		<0.10	2.37	6.17	<5.94			<8.35	<12.10	264.00	70.10	<2.60	<5.50	22.20
20700 (6)	3750-01	25-Aug-94	F44		DDX 010	DDY 010	DDZ 022	DEA 010			DEB 011	DDS 010	DDT 010	DEC 010	DEL 004	DEL 004	DEL 004
20800	NC	07-Oct-93	F41									13.30	100.00				
20800 (6)	NC	07-Oct-93	F41									BYN 008	BYO 008				
20800	1699-01	11-Nov-93	F41		0.20	<2.18	<0.50	<5.94			<8.35	<12.10	67.30	<29.40	<4.80	7.50	<10.00
20800 (6)	1699-01	11-Nov-93	F41		CCR 007	CCS 007	CCT 007	CCU 007			CCX 006	CCV 006	CCW 007	CCY 007	CDK 002	CDK 002	CDL 002
20800	NC	08-Dec-93	F41									<12.10	42.20				
20800 (6)	NC	08-Dec-93	F41									CDN 004	CDO 005				
20800		18-Dec-93	F41														
20800 (6)		18-Dec-93	F41														
20800	NC	13-Jan-94	F42									14.10	50.20				
20800 (6)	NC	13-Jan-94	F42									CIU 006	CIV 007				
20800	2288-01	09-Feb-94	F42		0.29	<2.18	2.96	<5.94			<8.35	<12.10	10.00	50.10	<4.40	10.60	<14.60
20800 (6)	2288-01	09-Feb-94	F42		CJI 007	CJJ 007	CJK 007	CJL 007			CJM 006	CJD 006	CJE 007	CJN 007	CJX 002	CJX 002	CJY 002
20800	NC	10-Mar-94	F42									63.40	68.10				
20800 (6)	NC	10-Mar-94	F42									CKC 004	CKD 004				

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	Lab pH	Conductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	CO60 (pC/l)	CS137 (pC/l)	U234 (pC/l)	U235 (pC/l)	U238 (pC/l)
TCAAP SW Action Criteria (4)																	
20500	2288-01	09-Feb-94	F42	8000.00	28.00	8510.00	0.75	410000	8.01	2290.00	6000.00	<10.00	<10.70	<7.60	0.60	<0.20	0.40
20500 (6)	2288-01	09-Feb-94	F42	CJQ 004	CJO 006	CJV 002	CJR 004	CJG 004	CJU 002	CJW 002	CJF 004	CJS 003	CJY 001	CJY 001	CJZ 001	CJZ 001	CJZ 001
20500	NC	10-Mar-94	F42			9180.00		120000	7.95	1080.00	2000.00						
20500 (6)	NC	10-Mar-94	F42			CKI 003		CKF 005	CKH 003	CKJ 003	CKE 005						
20500	NC	11-Apr-94	F43			7810.00		290000	7.71	1410.00	1000.00						
20500 (6)	NC	11-Apr-94	F43			CKR 003		CKO 005	CKQ 003	CKS 003	CKN 005						
20500	2872-01	09-May-94	F43	<4.00	10.00	0.01	0.07	283000	7.56	1090.00	2000.00	<10.00	<5.30	<15.00	2.50	0.40	1.20
20500 (6)	2872-01	09-May-94	F43	CLU 006	CLS 006	CME 004	CLX 006	CLR 017	CMD 004	CMF 004	CLP 005	CLV 006	CMB 004	CMB 004	CMC 004	CMC 004	CMC 004
20500	NC	01-Jun-94	F43			0.01		45100	7.46	612.00	<1000.00						
20500 (6)	NC	01-Jun-94	F43			CPT 003		CPQ 005	CPS 003	CPU 003	CPP 005						
20500	NC	22-Jul-94	F44			3220.00		82600	7.76	620.00	<1000.00						
20500 (6)	NC	22-Jul-94	F44			CZD 003		CZA 005	CZC 003	CZE 003	CYZ 005						
20500	3750-01	25-Aug-94	F44	5000.00	8.00	8500.00	200.00	79000	7.99	634.00	<1000.00	400.00	<5.20	<5.70	1.30	0.20	0.50
20500 (6)	3750-01	25-Aug-94	F44	DEF 004	DED 005	DEJ 002	DEG 004	DDV 005	DEI 002	DEK 002	DDU 004	DEH 003	DEL 001	DEL 001	DEL 001	DEL 001	DEL 001
20500	NC	28-Sep-94	F44			6640.00		1120000	7.80	801.00	7000.00						
20500 (6)	NC	28-Sep-94	F44			DIY 003		DIV 006	DIX 003	DIZ 003	DIU 005						
20700	1699-01	11-Nov-93	F41	6000.00	46.00	10100.00	170.00	24000	8.60	429.00	10000.00	30.00	<7.60	<7.20	<0.60	<0.40	0.10
20700 (6)	1699-01	11-Nov-93	F41	CDE 009	CDB 011	CDI 007	CDF 009	CDC 010	CDH 007	CDJ 007	CCZ 009	CDG 007	CDL 004	CDL 004	CDM 004	CDM 004	CDM 004
20700		09-Feb-94	F42			2260.00			7.91	636.00							
20700 (6)		09-Feb-94	F42			CJV 007			CJU 007	CJW 007							
20700	NC	10-Feb-94	F42	<4000.00	42.00		1.10	29000			<1000.00	<10.00	<7.20	<8.90	0.30	<0.20	0.30
20700 (6)	NC	10-Feb-94	F42	CJQ 009	CJO 011		CJR 009	CJG 010			CJF 009	CJT 003	CJY 004	CJY 004	CJZ 004	CJZ 004	CJZ 004
20700	2900-01	12-May-94	F43	<4.00	44.00	0.01	<0.05	25000	6.81	345.00	14000.00	<10.00	<12.50	<9.80	0.20	<0.20	0.20
20700 (6)	2900-01	12-May-94	F43	CMG 003	CLS 008	CME 006	CLX 008	CLR 008	CMD 006	CMF 006	CLP 008	CLW 002	CMB 006	CMB 006	CMC 006	CMC 006	CMC 006
20700	3750-01	25-Aug-94	F44	13000.00	85.00	7220.00	340.00	29800	8.42	324.00	45000.00	220.00	<12.30	<3.00	<0.60	<0.50	<0.70
20700 (6)	3750-01	25-Aug-94	F44	DEF 009	DED 010	DEJ 007	DEG 009	DDV 010	DEI 007	DEK 007	DDU 009	DEH 008	DEL 004	DEL 004	DEL 004	DEL 004	DEL 004
20800	NC	07-Oct-93	F41			6450.00		18900	8.08	412.00	19000.00						
20800 (6)	NC	07-Oct-93	F41			BYT 005		BYQ 008	BYS 005	BYU 005	BYP 007						
20800	1699-01	11-Nov-93	F41	5000.00	46.00	8710.00	160.00	25000	8.85	443.00	10000.00	20.00	<5.60	<4.40	<0.60	<0.20	0.40
20800 (6)	1699-01	11-Nov-93	F41	CDE 006	CDB 008	CDI 004	CDF 006	CDC 006	CDH 004	CDJ 004	CCZ 006	CDG 008	CDL 002	CDL 002	CDM 002	CDM 002	CDM 002
20800	NC	08-Dec-93	F41					26000			3000.00						
20800 (6)	NC	08-Dec-93	F41					CDQ 004			CDP 004						
20800		18-Dec-93	F41			12700.00			8.32	467.00							
20800 (6)		18-Dec-93	F41			CDT 002			CDS 002	CDU 002							
20800	NC	13-Jan-94	F42			4300.00		26000	8.57	566.00	<1000.00						
20800 (6)	NC	13-Jan-94	F42			CJA 004		CIX 006	CIZ 004	CJB 004	CIW 005						
20800	2288-01	09-Feb-94	F42	<4000.00	42.00	2200.00	1.00	34000	7.58	668.00	1000.00	<10.00	<7.70	<6.90	0.30	<0.10	0.40
20800 (6)	2288-01	09-Feb-94	F42	CJQ 006	CJO 008	CJV 004	CJR 006	CJG 006	CJU 004	CJW 004	CJF 006	CJS 005	CJY 002	CJY 002	CJZ 002	CJZ 002	CJZ 002
20800	NC	10-Mar-94	F42			11000.00		31000	6.77	590.00	4000.00						
20800 (6)	NC	10-Mar-94	F42			CKI 001		CKF 003	CKH 001	CKJ 001	CKE 003						

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (4)						11.00		13.40		0.14	5.20			47.00			
20800	NC	11-Apr-94	F43									<12.10	88.40				
20800 (6)	NC	11-Apr-94	F43									CKL 003	CKM 004				
20800	2872-01	09-May-94	F43	<1.93	<0.10	<2.18	1.68	<5.94	<2.65	<0.70	<5.00	17.50	63.30	58.10	9.30	7.60	<20.40
20800 (6)	2872-01	09-May-94	F43	CLI 008	CLD 009	CLE 009	CLF 008	CLG 008	CLH 009	CLJ 005	CLN 004	CLK 004	CLM 005	CLO 005	CMA 002	CMA 002	CMB 002
20800	NC	01-Jun-94	F43									12.90	169.00				
20800 (6)	NC	01-Jun-94	F43									CPN 003	CPO 004				
20800	NC	22-Jul-94	F44									<12.10	241.00				
20800 (6)	NC	22-Jul-94	F44									CYX 004	CYY 004				
20800	3750-01	25-Aug-94	F44		<0.10	2.26	6.00	<5.94			<8.35	<12.10	239.00	48.10	<2.50	<4.80	345.00
20800 (6)	3750-01	25-Aug-94	F44		DDX 007	DDY 007	DDZ 019	DEA 007			DEB 007	DDS 007	DDT 007	DEC 007	DEL 002	DEL 002	DEL 002
20800	NC	28-Sep-94	F44									<12.10	100.00				
20800 (6)	NC	28-Sep-94	F44									DIS 004	DIT 004				
20900	1699-01	11-Nov-93	F41		<0.10	15.20	<0.50	<5.94			<8.35	<12.10	76.30	<29.40			
20900 (6)	1699-01	11-Nov-93	F41		CCR 004	CCS 004	CCT 004	CCU 004			CCX 003	CCV 003	CCW 004	CCY 004			
20900	2288-01	09-Feb-94	F42		<0.10	3.88	3.24	<5.94			<8.35	<12.10	67.30	<29.40			
20900 (6)	2288-01	09-Feb-94	F42		CJI 004	CJJ 004	CJK 004	CJL 004			CJM 003	CJD 003	CJE 004	CJN 004			
20900	2872-01	09-May-94	F43	<1.93	<0.10	9.91	<0.50	9.21	<2.65	<0.70	<5.00	<12.10	83.30	114.00	5.20	14.70	<25.70
20900 (6)	2872-01	09-May-94	F43	CLI 011	CLD 012	CLE 012	CLF 011	CLG 011	CLH 012	CLJ 008	CLN 008	CLK 008	CLM 008	CLO 008	CMA 005	CMA 005	CMB 005
20900	3750-01	25-Aug-94	F44		<0.10	2.77	7.50	<5.94			<8.35	<12.10	244.00	50.10			
20900 (6)	3750-01	25-Aug-94	F44		DDX 004	DDY 004	DDZ 016	DEA 004			DEB 003	DDS 004	DDT 004	DEC 004			
21000	1699-01	11-Nov-93	F41		<0.10	<2.18	<0.50	<5.94			<8.35	<12.10	78.30	<29.40			
21000 (6)	1699-01	11-Nov-93	F41		CCR 006	CCS 006	CCT 006	CCU 006			CCX 005	CCV 005	CCW 006	CCY 006			
21000	2288-01	09-Feb-94	F42		0.10	<2.18	3.47	<5.94			<8.35	<12.10	6.73	<29.40			
21000 (6)	2288-01	09-Feb-94	F42		CJI 006	CJJ 006	CJK 006	CJL 006			CJM 005	CJD 005	CJE 006	CJN 006			
21000	2872-01	09-May-94	F43	<1.93	<0.10	<2.18	1.39	<5.94	<2.65	<0.70	<5.00	15.20	68.30	<29.40	4.90	23.20	<15.10
21000 (6)	2872-01	09-May-94	F43	CLI 009	CLD 010	CLE 010	CLF 009	CLG 009	CLH 010	CLJ 006	CLN 005	CLK 005	CLM 006	CLO 006	CMA 003	CMA 003	CMB 003
21000	3750-01	25-Aug-94	F44		<0.10	2.70	10.80	<5.94			<8.35	<12.10	217.00	53.10			
21000 (6)	3750-01	25-Aug-94	F44		DDX 006	DDY 006	DDZ 018	DEA 006			DEB 005	DDS 006	DDT 006	DEC 006			
21100	1699-01	11-Nov-93	F41		<0.10	<2.18	2.51	<5.94			<8.35	<12.10	15.10	<29.40			
21100 (6)	1699-01	11-Nov-93	F41		CCR 011	CCS 011	CCT 011	CCU 011			CCX 011	CCV 011	CCW 011	CCY 011			
21100		09-Feb-94	F42														
21100 (6)		09-Feb-94	F42														
21100	NC	10-Feb-94	F42		0.58	<2.18	8.22	<5.94			<8.35	<12.10	540.00	100.00			
21100 (6)	NC	10-Feb-94	F42		CJI 011	CJJ 011	CJK 011	CJL 010			CJM 011	CJD 011	CJE 011	CJN 011			
21100	2900-01	12-May-94	F43	<1.93	<0.10	<2.18	<0.50	<5.94	<2.65	<0.70	<5.00	33.90	19.10	37.10	<3.50	7.40	<18.90
21100 (6)	2900-01	12-May-94	F43	CLI 017	CLD 018	CLE 018	CLF 017	CLG 017	CLH 018	CLJ 014	CLN 015	CLL 009	CLM 014	CLO 014	CMA 011	CMA 011	CMB 011
21100	3750-01	25-Aug-94	F44		<0.10	2.86	9.90	<5.94			<8.35	<12.10	43.10	62.10			
21100 (6)	3750-01	25-Aug-94	F44		DDX 011	DDY 011	DDZ 023	DEA 011			DEB 012	DDS 011	DDT 011	DEC 011			

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab Conductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	CO60 (pC/l)	CS137 (pC/l)	U234 (pC/l)	U235 (pC/l)	U238 (pC/l)
TCAAP SW Action Criteria (4)																	
20800	NC	11-Apr-94	F43			7800.00		25000	8.13	379.00	9000.00						
20800 (6)	NC	11-Apr-94	F43			CKR 001		CKO 003	CKQ 001	CKS 001	CKN 003						
20800	2872-01	09-May-94	F43	<4.00	42.00	0.01	<0.05	24300	7.78	361.00	12000.00	<10.00	<12.80	<7.60	0.60	<0.20	0.40
20800 (6)	2872-01	09-May-94	F43	CLU 004	CLS 004	CME 002	CLX 004	CLR 004	CMD 002	CMF 002	CLP 003	CLV 004	CMB 002	CMB 002	CMC 002	CMC 002	CMC 002
20800	NC	01-Jun-94	F43			0.01		25100	7.14	311.00	37000.00						
20800 (6)	NC	01-Jun-94	F43			CPT 001		CPQ 003	CPS 001	CPU 001	CPP 003						
20800	NC	22-Jul-94	F44			2860.00		38500	8.62	387.00	6000.00						
20800 (6)	NC	22-Jul-94	F44			CZD 001		CZA 003	CZC 001	CZE 001	CYZ 003						
20800	3750-01	25-Aug-94	F44	14000.00	80.00	5140.00	340.00	32000	8.04	329.00	61000.00	220.00	<9.30	<6.20	<0.60	<0.40	<0.50
20800 (6)	3750-01	25-Aug-94	F44	DEF 006	DED 007	DEJ 004	DEG 006	DDV 007	DEI 004	DEK 004	DDU 006	DEH 005	DEL 002	DEL 002	DEL 002	DEL 002	DEL 002
20800	NC	28-Sep-94	F44			8900.00		29000	8.62	288.00	38000.00						
20800 (6)	NC	28-Sep-94	F44			DIY 001		DIV 004	DIX 001	DIZ 001	DIU 003						
20900	1699-01	11-Nov-93	F41	10000.00	47.00	10600.00	200.00	22000	8.25	431.00	10000.00	10.00					
20900 (6)	1699-01	11-Nov-93	F41	CDE 003	CDB 005	CDI 001	CDF 003	CDC 003	CDH 001	CDJ 001	CCZ 003	CDG 009					
20900	2288-01	09-Feb-94	F42	<4000.00	43.00	2310.00	1.20	26000	7.65	627.00	1000.00	<10.00					
20900 (6)	2288-01	09-Feb-94	F42	CJQ 003	CJO 005	CJV 001	CJR 003	CJG 003	CJU 001	CJW 001	CJF 003	CJS 002					
20900	2872-01	09-May-94	F43	6.00	46.00	0.01	<0.05	26900	7.79	348.00	11000.00	<10.00	<16.10	<9.60	0.80	0.20	0.60
20900 (6)	2872-01	09-May-94	F43	CLU 007	CLS 007	CME 005	CLX 007	CLR 006	CMD 005	CMF 005	CLP 006	CLV 007	CMB 005	CMB 005	CMC 005	CMC 005	CMC 005
20900	3750-01	25-Aug-94	F44	10000.00	96.00	5540.00	350.00	22800	8.65	282.00	36000.00	90.00					
20900 (6)	3750-01	25-Aug-94	F44	DEF 003	DED 004	DEJ 001	DEG 003	DDV 004	DEI 001	DEK 001	DDU 003	DEH 002					
21000	1699-01	11-Nov-93	F41	6000.00	39.00	8700.00	210.00	28000	8.64	450.00	12000.00	10.00					
21000 (6)	1699-01	11-Nov-93	F41	CDE 005	CDB 007	CDI 003	CDF 005	CDC 005	CDH 003	CDJ 003	CCZ 005	CDG 010					
21000	2288-01	09-Feb-94	F42	<4000.00	43.00	2300.00	0.97	31000	7.65	763.00	6000.00	<10.00					
21000 (6)	2288-01	09-Feb-94	F42	CJQ 005	CJO 007	CJV 003	CJR 005	CJG 005	CJU 003	CJW 003	CJF 005	CJS 004					
21000	2872-01	09-May-94	F43	7.00	44.00	0.01	<0.05	23400	7.61	354.00	9000.00	<10.00	<5.70	<9.40	0.40	<0.20	0.30
21000 (6)	2872-01	09-May-94	F43	CLU 005	CLS 005	CME 003	CLX 005	CLR 005	CMD 003	CMF 003	CLP 004	CLV 005	CMB 003	CMB 003	CMC 003	CMC 003	CMC 003
21000	3750-01	25-Aug-94	F44	14000.00	71.00	3740.00	480.00	32800	7.80	332.00	27000.00	310.00					
21000 (6)	3750-01	25-Aug-94	F44	DEF 005	DED 006	DEJ 003	DEG 005	DDV 006	DEI 003	DEK 003	DDU 005	DEH 004					
21100	1699-01	11-Nov-93	F41	<4000.00	23.00	6600.00	210.00	45000	8.20	805.00	1000.00	10.00					
21100 (6)	1699-01	11-Nov-93	F41	CDE 010	CDB 012	CDI 008	CDF 010	CDC 011	CDH 008	CDJ 008	CCZ 010	CDG 011					
21100		09-Feb-94	F42			1170.00			7.91	638.00							
21100 (6)		09-Feb-94	F42			CJV 008			CJU 008	CJW 008							
21100	NC	10-Feb-94	F42	4000.00	46.00		0.56	21000			46000.00	<10.00					
21100 (6)	NC	10-Feb-94	F42	CJQ 010	CJO 012		CJR 010	CJG 011			CJF 010	CJT 004					
21100	2900-01	12-May-94	F43	<4.00	30.00	0.01	0.18	45900	7.40	662.00	3000.00	<10.00	<13.10	<5.80	0.40	<0.20	<0.20
21100 (6)	2900-01	12-May-94	F43	CMG 008	CLS 013	CME 012	CLX 013	CLR 012	CMD 012	CMF 012	CLP 013	CLW 007	CMB 011	CMB 011	CMC 011	CMC 011	CMC 011
21100	3750-01	25-Aug-94	F44	7000.00	26.00	7040.00	220.00	67600	7.66	545.00	<1000.00	280.00					
21100 (6)	3750-01	25-Aug-94	F44	DEF 010	DED 011	DEJ 008	DEG 010	DDV 011	DEI 008	DEK 008	DDU 010	DEH 009					

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (4)						11.00		13.40		0.14	5.20			47.00			
21200	2900-01	12-May-94	F43	<1.93	0.10	<2.18	1.78	<5.94	<2.65	<0.70	<5.00	56.10	120.00	49.10	<2.30	<4.60	<15.50
21200 (6)	2900-01	12-May-94	F43	CLI 015	CLD 016	CLE 016	CLF 015	CLG 015	CLH 016	CLJ 012	CLN 012	CLL 006	CLM 012	CLO 012	CMA 009	CMA 009	CMB 009
21300	2900-01	12-May-94	F43	<1.93	0.19	<2.18	3.17	<5.94	<2.65	<0.70	<5.00	71.60	131.00	50.10	4.70	<7.60	<9.00
21300 (6)	2900-01	12-May-94	F43	CLI 013	CLD 014	CLE 014	CLF 013	CLG 013	CLH 014	CLJ 010	CLN 010	CLL 004	CLM 010	CLO 010	CMA 007	CMA 007	CMB 007
21400	2900-01	12-May-94	F43	<1.93	0.10	<2.18	2.08	<5.94	<2.65	<0.70	<5.00	77.90	21.10	55.10	2.50	<4.00	<16.60
21400 (6)	2900-01	12-May-94	F43	CLI 014	CLD 015	CLE 015	CLF 014	CLG 014	CLH 015	CLJ 011	CLN 011	CLL 005	CLM 011	CLO 011	CMA 008	CMA 008	CMB 008
21600	2900-01	12-May-94	F43	<1.93	0.19	<2.18	1.68	<5.94	<2.65	<0.70	<5.00	37.70	120.00	40.10	2.10	<3.30	<10.20
21600 (6)	2900-01	12-May-94	F43	CLI 018	CLD 019	CLE 019	CLF 018	CLG 018	CLH 019	CLJ 015	CLN 016	CLL 010	CLM 015	CLO 015	CMA 012	CMA 012	CMB 012

TABLE IV - 6
TCAAP Surface Water Quality Data (Inorganics) - (1)

Location (2)	Trip Blank Lab #	Date	Qtr (3)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab Conductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	CO60 (pC/l)	CS137 (pC/l)	U234 (pC/l)	U235 (pC/l)	U238 (pC/l)
TCAAP SW Action Criteria (4)																	
21200	2900-01	12-May-94	F43	<4.00	41.00	0.01	0.08	24800	7.65	302.00	7000.00	80.00	<7.10	<8.40	0.20	0.20	0.20
21200 (6)	2900-01	12-May-94	F43	CMG 006	CLS 011	CME 009	CLX 011	CLR 010	CMD 009	CMF 009	CLP 011	CLW 005	CMB 009	CMB 009	CMC 009	CMC 009	CMC 009
21300	2900-01	12-May-94	F43	<4.00	46.00	0.002	0.18	322000	6.55	910.00	8000.00	1400.00	<4.40	<4.60	0.30	0.10	<0.30
21300 (6)	2900-01	12-May-94	F43	CMG 004	CLS 009	CME 007	CLX 009	CLR 018	CMD 007	CMF 007	CLP 009	CLW 003	CMB 007	CMB 007	CMC 007	CMC 007	CMC 007
21400	2900-01	12-May-94	F43	<4.00	40.00	0.005	0.09	62000	7.11	447.00	23000.00	70.00	<12.00	<4.60	0.40	<0.20	<0.40
21400 (6)	2900-01	12-May-94	F43	CMG 005	CLS 010	CME 008	CLX 010	CLR 009	CMD 008	CMF 008	CLP 010	CLW 004	CMB 008	CMB 008	CMC 008	CMC 008	CMC 008
21600	2900-01	12-May-94	F43	<4.00	19.00	0.01	0.12	36200	7.60	222.00	23000.00	20.00	<4.40	<5.80	0.50	<0.20	<0.40
21600 (6)	2900-01	12-May-94	F43	CMG 009	CLS 014	CME 011	CLX 014	CLR 013	CMD 011	CMF 011	CLP 014	CLW 008	CMB 012	CMB 012	CMC 012	CMC 012	CMC 012

Table IV-7

TCAAP Groundwater Pumping Data

TABLE IV-7
TCAAP Groundwater Pumping Data

MN Unique Well No.	Permit No.	Applicant	Township	Range	Section	Quarter Sections	Permitted Appropriation (MMGal/yr)	Permitted Pumping Rate (GPM)	Pumping Volume 1991 (MMGal)	Pumping Volume 1992 (MMGal)	Pumping Volume 1993 (MMGal)	Pumping Volume 1994 (MMGal)
HIGH CAPACITY WELLS												
200814	690434	AMERICAN LINEN SUPPLY CO	29	23	18	DABC	156.0	850.0	159.186	133.331	109.900	NA
234407	876124	ARDEN MANOR MBLE PK	30	23	16	CDC	26.0	400.0	21.000	21.000	NA	NA
151568	876124	ARDEN MANOR MBLE PK	30	23	16	CDC	26.0	NA	0.000	0.000	21.000	NA
236512	766021	DARLING INTERNATIONAL, INC.	30	23	20	DDB	20.0	100.0	1.363	2.214	0.800	NA
234547	756231	HONEYWELL INC	29	23	18	BB	565.0	2000.0	286.900	183.400	147.700	NA
234546	756231	HONEYWELL INC	29	23	18	BB	565.0	2000.0	311.000	386.200	377.300	NA
233222	866254	LOWRY GROVE, INCORPORATED	29	23	7	BCB	6.0	140.0	3.550	3.052	0.000	NA
NA	756255	MENGELKOCH COMPANY	30	23	21	CACD	18.0	100.0	1.711	1.848	0.400	NA
231878	756255	MENGELKOCH COMPANY	30	23	21	CACD	18.0	60.0	5.619	3.483	1.900	NA
NA	886105	MIDLAND HILLS C C	29	23	17	NA	49.0	1000.0	25.303	20.660	9.900	22.100
NA	886105	MIDLAND HILLS C C	29	23	17	NA	49.0	1000.0	0.000	0.000	9.300	27.300
NA	886105	MIDLAND HILLS C C	29	23	17	NA	49.0	1000.0	NA	NA	0.000	0.000
200149	590760	MIDLAND HILLS C C	29	23	17	BDA	20.0	NA	2.952	3.227	413.000	NA
200812	866124	MINNEAPOLIS PARK/RC	29	23	7	DACA	26.0	500.0	23.070	19.582	1.200	NA
512761	936161	MINNEAPOLIS PARK/RC	29	23	7	DAC	41.0	700.0	NA	NA	18.700	8.300
206789	700157	CITY OF NEW BRIGHTON #1	30	23	29	BADD	1725.0	11425.0	NA	NA	NA	NA
206798	700157	CITY OF NEW BRIGHTON #2	30	23	29	BADD	1725.0	11425.0	NA	NA	NA	NA
206793	700157	CITY OF NEW BRIGHTON #3	30	23	29	BADD	1725.0	11425.0	64.900	164.757	467.400	168.800
206797	700157	CITY OF NEW BRIGHTON #6	30	23	30	CBAA	1725.0	11425.0	319.362	223.260	138.300	248.200
206796	700157	CITY OF NEW BRIGHTON #5	30	23	30	CBD	1725.0	11425.0	216.369	120.945	401.000	198.300
509083	700157	CITY OF NEW BRIGHTON #11	30	23	29	BCA	1725.0	11425.0	70.850	71.334	19.400	5.200
206792	700157	CITY OF NEW BRIGHTON #4	30	23	30	BADD	1725.0	11425.0	101.094	251.600	703.000	181.200
110485	700157	CITY OF NEW BRIGHTON #12	30	23	18	AC	1725.0	11425.0	65.693	69.183	34.600	19.400
161432	700157	CITY OF NEW BRIGHTON #10	30	23	32	DBC	1725.0	11425.0	67.342	51.841	34.600	19.600
206791	700157	CITY OF NEW BRIGHTON #7	30	23	29	CCDC	1725.0	11425.0	0.000	0.000	0.000	0.000
206795	700157	CITY OF NEW BRIGHTON #8	30	23	30	BDA	1725.0	11425.0	64.329	52.807	3.300	22.300
206794	700157	CITY OF NEW BRIGHTON #9	30	23	30	CABA	1725.0	11425.0	0.000	0.561	0.000	0.000
520931	700157	CITY OF NEW BRIGHTON #13	30	23	29	AC	1725.0	11425.0	NA	NA	NA	334.700
200148	856084	PAPER CALMENSON & CO	29	23	17	BBB	30.0	500.0	0.000	0.000	0.000	NA
200804	600907	ST ANTHONY, CITY OF	29	23	6	DA	NA	NA	0.000	0.000	116.800	99.800
200803	600907	ST ANTHONY, CITY OF	29	23	6	AC	NA	NA	139.300	170.700	153.800	151.600
200524	600907	ST ANTHONY, CITY OF	30	23	31	CA	NA	NA	191.200	168.100	70.200	62.900
206755	836056	TWIN CITIES ARMY	30	23	16	ACDA	450.0	1370.0	0.123	0.000	0.000	NA
206753	836056	TWIN CITIES ARMY	30	23	16	ACBD	450.0	1800.0	0.000	0.000	0.000	NA
206758	836056	TWIN CITIES ARMY	30	23	16	BDAA	450.0	1730.0	0.114	0.000	1.500	NA
206754	836056	TWIN CITIES ARMY	30	23	16	ABBB	450.0	2300.0	0.020	0.902	0.200	NA
206759	836056	TWIN CITIES ARMY	30	23	16	DABA	450.0	1300.0	0.546	0.000	0.000	NA
206756	836056	TWIN CITIES ARMY	30	23	16	BADA	450.0	1100.0	0.044	0.000	1.500	NA
149740	796041	U OF MN	29	23	16	BDB	60.0	700.0	5.667	6.054	3.100	4.300
200154	856178	U OF MN	29	23	17	DBC	27.0	675.0	15.706	21.519	13.400	16.900

TABLE IV-7
TCAAP Groundwater Pumping Data

MN Unique Well No.	Permit No.	Applicant	Township	Range	Section	Quarter Sections	Permitted Appropriation (MMGal/yr)	Permitted Pumping Rate (GPM)	Pumping Volume 1991 (MMGal)	Pumping Volume 1992 (MMGal)	Pumping Volume 1993 (MMGal)	Pumping Volume 1994 (MMGal)
OTHER WELLS												
462112	916084	ALLIANT TECHSYSTEMS INC	30	23	20	ADC	21.0	9.0	4.086	5.842	4.100	NA
462968	916084	ALLIANT TECHSYSTEMS INC	30	23	20	ADC	21.0	4.0	1.980	2.330	2.010	NA
NA	866104	BELL LUMBER AND POLE CO	30	23	29	DCC	26.3	0.0	NA	0.000	0.000	0.000
439723	866104	BELL LUMBER AND POLE CO	30	23	29	DCC	26.3	0.0	NA	0.000	0.000	0.000
NA	866104	BELL LUMBER AND POLE CO	30	23	29	DCC	26.3	0.0	NA	0.000	0.000	0.000
NA	866104	BELL LUMBER AND POLE CO	30	23	29	DCC	26.3	0.0	NA	0.000	0.000	0.000
NA	866104	BELL LUMBER AND POLE CO	30	23	29	DCC	26.3	0.0	NA	0.000	0.000	0.000
449194	866104	BELL LUMBER AND POLE CO	30	23	29	CDD	26.3	1.1	NA	0.595	0.300	0.200
449193	866104	BELL LUMBER AND POLE CO	30	23	29	DCC	26.3	1.2	NA	0.629	0.500	0.500
200262	756219	BROADWAY PROPERTIES PARTN	29	24	13	DABA	28.0	0.0	0.035	0.000	0.000	NA
200067	866053	INDIANHEAD TRUCK LINE	29	23	4	CCD	10.0	NA	11.876	0.075	0.000	0.000
NA	756223	MACGILLIS & GIBBS	30	23	29	D	1.1	48.0	2.004	2.917	3.000	NA
122253	846113	MINN METAL FINISH	29	24	13	CDBC	6.0	48.0	3.456	4.728	0.300	NA
200076	670637	OLD DUTCH FOODS INC	29	23	8	BDC	88.0	NA	41.265	38.637	34.500	40.400
236029	856218	REUBEN MEATS	29	24	13	DAB	60.0	NA	0.000	NA	0.000	NA
448759	896278	PEDERSON, CARLA	29	23	9	DCB	18.4	35.0	9.194	0.000	NA	NA

NA = Data Not Available

Table IX-1

Site A Interim Remedial Action Performance Data

TABLE IX - 1
Site A Interim Remedial Action Performance Data

Date	Volume of Water Treated	Trichloroethene			Tetrachloroethene			1,2-Dichloroethene		
		Influent Conc. (ug/l)	Effluent Conc. (ug/l)	Pounds (3) Removed	Influent Conc. (ug/l)	Effluent Conc. (ug/l)	Pounds (3) Removed	Influent Conc. (ug/l)	Effluent Conc. (ug/l)	Pounds (3) Removed
13-Sep-88	0	380		0	620		0	540		0
21-Sep-88	58,000	58		0.11	130		0.18	120		0.16
27-Sep-88	44,000	37		0.02	81		0.04	88		0.04
04-Oct-88	43,000	38		0.01	110		0.03	85		0.03
19-Oct-88	99,000	39		0.03	120		0.09	78		0.07
25-Oct-88	48,000	21		0.01	49		0.03	43		0.02
08-Nov-88	110,000	26		0.02	57		0.05	41		0.04
29-Nov-88	136,000	19		0.03	39		0.06	32		0.04
06-Dec-88	50,000	16		0.01	31		0.01	38		0.01
20-Dec-88	90,000	19		0.01	41		0.03	35		0.03
16-Jan-89	152,000	24		0.03	9		0.03	36		0.04
21-Feb-89	195,000	16		0.03	24		0.03	24		0.05
21-Mar-89	151,000	13		0.02	22		0.03	39		0.04
21-Apr-89	156,000	16		0.02	30		0.03	32		0.05
23-May-89	161,000	10		0.02	17		0.03	27		0.04
23-Jun-89	159,000	8		0.01	15		0.02	24		0.03
17-Jul-89	107,000	9		0.01	16		0.01	23		0.02
28-Aug-89	297,000	11		0.02	16		0.04	28		0.06
03-Oct-89	221,000	6		0.02	10		0.02	23		0.05
24-Oct-89	110,000	8	<1.0	0.01	15	<0.50	0.01	28	<0.50	0.02
22-Nov-89	157,000	11	<1.0	0.01	20	<0.50	0.02	34	<0.50	0.04
19-Dec-89	120,000	8	<1.0	0.01	14	<0.50	0.02	27	<0.50	0.03
23-Jan-90	120,830	11	<1.0	0.01	17	<0.50	0.02	33	<0.50	0.03
20-Feb-90	129,450	11	<1.0	0.01	18	<0.50	0.02	37	<0.50	0.04
20-Mar-90	120,330	11	<2.5	0.01	17	<0.50	0.02	32	<0.50	0.03
16-Apr-90	109,540	11	<1.0	0.01	17	<0.50	0.02	24	<0.50	0.03
15-May-90	104,020	9	<1.0	0.01	14	<0.50	0.01	19	<0.50	0.02
19-Jun-90	106,400	10	<1.0	0.01	18	<0.50	0.01	17	<0.50	0.02
17-Jul-90	82,380	10	<1.0	0.01	20	<0.50	0.01	13	<0.50	0.01
21-Aug-90	105,710	10	<1.0	0.01	19	<0.50	0.02	15	<0.50	0.01
18-Sep-90	129,200	10	<1.0	0.01	19	<0.50	0.02	15	<0.50	0.02
20-Oct-90	88,210	12	<1.0	0.01	28	<0.50	0.02	14	<0.50	0.01
20-Nov-90	41,470	13	<1.0	0.00	28	<0.50	0.01	17	<0.50	0.01
18-Dec-90	135,285	13	<1.0	0.01	22	<0.50	0.03	24	<0.50	0.01
22-Jan-91	127,985	12	<1.0	0.01	22	<0.50	0.02	18	<0.50	0.01
19-Feb-91	88,420	14	<1.0	0.01	25	<0.50	0.02	25	<0.50	0.01
19-Mar-91	93,610	13	<1.0	0.01	23	<0.50	0.02	19	<0.50	0.01
16-Apr-91	114,120	14	<1.0	0.01	26	<0.50	0.02	15	<0.50	0.01
21-May-91	173,580	14	<1.0	0.01	26	<0.50	0.04	15	<0.50	0.01
18-Jun-91	119,070	18	<1.0	0.01	25	<0.50	0.03	15	<0.50	0.01
23-Jul-91	159,550	13	<1.0	0.01	24	<0.50	0.04	24	<0.50	0.01
19-Aug-91	142,790	16	<1.0	0.01	34	<0.50	0.03	15	<0.50	0.01
17-Sep-91	145,410	15	<1.0	0.01	29	<0.50	0.04	14	<0.50	0.01
22-Oct-91	170,940	10	<0.50	0.01	20	<1.0	0.03	12	<0.50	0.01
19-Nov-91	98,210	12	<0.50	0.01	24	<1.0	0.02	12	<0.50	0.01
17-Dec-91	57,690	16	<0.50	0.01	30	<1.0	0.01	13	<0.50	0.01
21-Jan-92	192,180	17	<0.50	0.01	34	<1.0	0.05	15	<0.50	0.01
18-Feb-92	129,220	11	<0.50	0.01	20	<1.0	0.03	14	<0.50	0.01
17-Mar-92	114,400	13	<0.50	0.01	29	<1.0	0.02	15	<0.50	0.01
13-Apr-92	113,890	17	<0.50	0.01	38	<1.0	0.03	17	<0.50	0.01
18-May-92	183,180	14	<0.50	0.01	30	<1.0	0.05	17	0.686	0.01
16-Jun-92	158,500	23	<0.50	0.01	52	<1.0	0.05	21	1.20	0.01
21-Jul-92	164,110	18	<0.50	0.01	41	<1.0	0.06	21	0.642	0.01
18-Aug-92	61,600	17	<0.50	0.01	39	<1.0	0.02	20	<1.0	0.01
15-Sep-92	125,090	15	<0.50	0.01	34	<1.0	0.06	21	<0.50	0.01

TABLE IX - 1
Site A Interim Remedial Action Performance Data

Date	Volume of Water Treated	Trichloroethene			Tetrachloroethene			1,2-Dichloroethene		
		Influent Conc. (ug/l)	Effluent Conc. (ug/l)	Pounds (3) Removed	Influent Conc. (ug/l)	Effluent Conc. (ug/l)	Pounds (3) Removed	Influent Conc. (ug/l)	Effluent Conc. (ug/l)	Pounds (3) Removed
20-Oct-92	151,970	18	<0.50	0.01	36	<1.0	0.06	30	<0.50	0.01
03-Nov-92	76,600	22	<0.50	0.01	50	<1.0	0.03	38	0.519	0.01
10-Dec-92	160,255	22	<0.50	0.01	48	<1.0	0.06	46	<0.50	0.01
05-Jan-93	118,125	18	<0.50	0.01	32	<1.0	0.04	32	<0.50	0.01
02-Feb-93	155,010	18	<0.50	0.01	30	<1.0	0.05	32	<0.50	0.01
02-Mar-93	154,678	18	<0.50	0.01	30	<1.0	0.06	31	1.13	0.01
19-Apr-93	271,482	14	<0.50	0.01	22	<1.0	0.06	20	2.00	0.01
07-May-93	110,650	15	<0.50	0.01	26	<1.0	0.03	22	1.90	0.01
01-Jun-93	144,590	10	<0.50	0.01	18	<1.0	0.02	15	2.23	0.01
22-Jul-93	286,480	10	<0.50	0.01	22	<1.0	0.05	17	2.04	0.01
16-Aug-93	126,320	9	<0.50	0.01	18	<1.0	0.02	20	2.59	0.01
14-Sep-93	131,200	11	0.853	0.01	23	<1.0	0.03	24	2.89	0.01
27-Oct-93	120,610	10	0.655	0.009	24	1.03	0.023	22	5.08	0.017
(1)	150,360									
09-Dec-93	116,580	13	2.43	0.010	34	4.47	0.029	29	11.9	0.017
27-Jan-94	109,920	14	1.21	0.012	32	1.65	0.028	29	8.70	0.019
15-Feb-94	110,920	14	1.76	0.011	35	2.06	0.030	25	9.04	0.015
15-Mar-94	141,180	21	1.28	0.023	37	1.77	0.041	29	7.39	0.025
21-Apr-94	129,080	12	4.81	0.008	30	9.71	0.022	20	14.4	0.006
13-May-94	173,550	17	9.95	0.010	46	25.1	0.030	38	24.5	0.019
14-Jun-94	66,600 (2)									
SUBTOTALS	8,557,730			0.98			2.42			1.60

Notes:

(1) Sample not collected. See January 7, 1994 letter from George B. Sweesy, FCC Plant Manager to Contracting Officer's Representative, TCAAP, for further information. Letter is included in Appendix A.

(2) Site A Interim Remedial Action ceased operation June 14, 1994.

(3) Pounds removed from September 1988 through September 1993 provided by FCC. Pounds removed in FY94 calculated by Wenck Associates, Inc.

Minor discrepancies may exist between data presented in this table versus data retrieved from the IRDMIS, since the data in this table is unadjusted, raw laboratory data.

Table IX-2

Site A Removal Action Pumping Data

TABLE IX-2
Site A Removal Action Pumping Data

Measurement Date	Recovery Well 01U351 Flowrate (GPM)	Meter Reading	Gallons Pumped	Recovery Well 01U352 Flowrate (GPM)	Meter Reading	Gallons Pumped	Recovery Well 01U353 Flowrate (GPM)	Meter Reading	Gallons Pumped	Recovery Well 01U354 Flowrate (GPM)	Meter Reading	Gallons Pumped
31-May-94	0	0	0	0	0	0	0	0	0	0	0	0
28-Jun-94	5.4	208,442	208,442	7.7	322,026	322,026	6.1	272,075	272,075	9.1	400,831	400,831
26-Jul-94	6.1	440,689	232,247	2.8	549,270	227,244	5.5	515,943	243,868	7.1	730,625	329,794
03-Aug-94	6.2	521,864	81,175	9.7	642,289	93,019	5.2	584,816	68,873	7.7	823,853	93,228
06-Sep-94	6.8	862,615	340,751	4.3	1,013,960	371,671	9.4	794,241	209,425	6.6	1,212,536	388,683
06-Oct-94	6.5	1,120,300	257,685	(PO)	1,172,800	158,840	6.1	1,102,000	307,759	5.9	1,447,400	234,864
Cumulative Gallons Pumped			1,120,300			1,172,800			1,102,000			1,447,400

Measurement Date	Recovery Well 01U355 Flowrate (GPM)	Meter Reading	Gallons Pumped	Recovery Well 01U356 Flowrate (GPM)	Meter Reading	Gallons Pumped	Recovery Well 01U357 Flowrate (GPM)	Meter Reading	Gallons Pumped	Recovery Well 01U358 Flowrate (GPM)	Meter Reading	Gallons Pumped
31-May-94	0	0	0	0	0	0	0	0	0	0	0	0
28-Jun-94	8.8	368,579	368,579	8.5	247,748	247,748	5	199,556	199,556	7.8	356,395	356,395
26-Jul-94	(1)	500,017 (1)	131,438 (1)	9.7	622,020	374,272	4.5	396,472	196,916	6.6	675,200	318,805
03-Aug-94	(1)	537,571 (1)	37,554 (1)	7.7	728,806	106,786	4.2	454,027	57,555	6.2	757,531	82,331
06-Sep-94	(1)	697,174 (1)	159,603 (1)	4.3	1,007,975	279,169	3.6	619,081	165,054	5.0	1,055,753	298,222
06-Oct-94	4.2	838,000	140,826	1.3	1,137,900	129,925	1.7	733,400	114,319	4	1,235,900	180,147
Cumulative Gallons Pumped			838,000			1,137,900			733,400			1,235,900

Measurement Date	Total RA System Flowrate (GPM)	Gallons Pumped
31-May-94		
28-Jun-94	50.7	2,375,652
26-Jul-94	39.5	2,054,584
03-Aug-94	37.2	620,521
06-Sep-94	35.7	2,212,578
06-Oct-94	29.7	1,524,365
Cumulative Gallons Pumped		**8,787,700**

NOTE: (PO) = Pump off
(1) = Flowmeter fouling due to iron bacteria, no reading collected. Gallons Pumped estimated by extrapolation using June 28, 1994 and Oct. 6, 1994 meter readings and the total number of days between the two dates.

Table IX-3

Site A Removal Action VOC Recovery Data

TABLE IX-3
Site A Removal Action VOC Recovery Data

Measurement Date	Recovery Well 01U351 Meter Reading	Gallons Pumped	VOCs Detected (ppm)	VOCs Recovered (lbs)	Recovery Well 01U352 Meter Reading	Gallons Pumped	VOCs Detected (ppm)	VOCs Recovered (lbs)	Recovery Well 01U353 Meter Reading	Gallons Pumped	VOCs Detected (ppm)	VOCs Recovered (lbs)	Recovery Well 01U354 Meter Reading	Gallons Pumped	VOCs Detected (ppm)	VOCs Recovered (lbs)
31-May-94	0	0		0	0	0		0	0	0		0	0	0		0
28-Jun-94	208,442	208,442	42.17	0.073	322,026	322,026	543.2	1.452	272,075	272,075	447	1.009	400,831	400,831	3.59	0.012
26-Jul-94	440,689	232,247	24.17	0.047	549,270	227,244	205	0.387	515,943	243,868	258.8	0.524	730,625	329,794	7.76	0.021
03-Aug-94	521,864	81,175	15.23	0.010	642,289	93,019	114.35	0.088	584,816	68,873	197.88	0.113	823,853	93,228	14.64	0.011
06-Sep-94	862,615	340,751	13.58	0.038	1,013,960	371,671	145.9	0.450	794,241	209,425	243	0.422	1,212,536	388,683	29.16	0.094
06-Oct-94	1,120,300	257,685	13 *	0.028	1,172,800	158,840	146 *	0.192	1,102,000	307,759	243 *	0.621	1,447,400	234,864	29 *	0.057
				0.196				**2.570**				**2.690**				**0.195**
TOTAL		1,120,300				1,172,800				1,102,000				1,447,400		

Measurement Date	Recovery Well 01U355 Meter Reading	Gallons Pumped	VOCs Detected (ppm)	VOCs Recovered (lbs)	Recovery Well 01U356 Meter Reading	Gallons Pumped	VOCs Detected (ppm)	VOCs Recovered (lbs)	Recovery Well 01U357 Meter Reading	Gallons Pumped	VOCs Detected (ppm)	VOCs Recovered (lbs)	Recovery Well 01U358 Meter Reading	Gallons Pumped	VOCs Detected (ppm)	VOCs Recovered (lbs)
31-May-94	0	0		0	0	0		0	0	0		0	0	0		0
28-Jun-94	368,579	368,579	221.48	0.678	247,748	247,748	292.42	0.601	199,556	199,556	68.75	0.114	356,395	356,395	28.6	0.085
26-Jul-94	500,017 (1)	131,438 (1)	151.7	0.166 (1)	622,020	374,272	162	0.503	396,472	196,916	70.77	0.116	675,200	318,805	34.33	0.091
03-Aug-94	537,571 (1)	37,554 (1)	141.54	0.044 (1)	728,806	106,786	131.35	0.116	454,027	57,555	65.56	0.031	757,531	82,331	35.01	0.024
06-Sep-94	697,174 (1)	159,603 (1)	101.7	0.135 (1)	1,007,975	279,169	102.98	0.239	619,081	165,054	68.66	0.094	1,055,753	298,222	33.09	0.082
06-Oct-94	838,000	140,826	102 *	0.119	1,137,900	129,925	103 *	0.111	733,400	114,319	69 *	0.065	1,235,900	180,147	33 *	0.049
				1.141				**1.571**				**0.420**				**0.331**
TOTAL		838,000				1,137,900				733,400				1,235,900		

Measurement Date	Total RA System Gallons Pumped	VOCs Recovered (lbs)
31-May-94	0	0
28-Jun-94	2,375,652	4.024
26-Jul-94	2,054,584	1.854
03-Aug-94	620,521	0.439
06-Sep-94	2,212,578	1.554
06-Oct-94	1,524,365	1.243
TOTAL	8,787,700	**9.113**

NOTE: * = VOC levels estimated based on historical data. Current data not available. Table will be revised upon receipt of laboratory data.
(1) = Flowmeter fouling due to iron bacteria, no reading collected. Gallons pumped and VOCs recovered were estimated by extrapolation using June 28, 1994 and Oct. 6, 1994 meter readings and the total number of days between the two dates.

Table IX-4

Site A Removal Action Effluent Water Quality (Organics)

TABLE IX-4
Site A Removal Action Effluent Water Quality (Organics) - ug/l

Well		Date	Qtr	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE
Site A Effl	125229	09-Jun-94	F43	IVG 013	<2.00	2.40	<2.00	200.00	<3.80	<2.00	<2.00
Site A Effl	144894	06-Jul-94	F44	IVJ 008	<2.00	2.10	<2.00	110.00	<3.80	<2.00	<2.00
Site A Effl	172219	03-Aug-94	F44	IVM 010	<1.00	1.95	<1.00	93.00	<1.90	<1.00	<1.00
Site A Effl	207306	07-Sep-94	F44	IVP 016	<2.00	3.00	<2.00	81.00	<3.80	1.30	<2.00

Well		Date	Qtr	IRDMIS Lot #	1,1-Di chloro ethane 11DCLE	1,2-Di chloro ethane 12DCLE	Carbon Tetra chloride CCL4	Chloro form CHCL3	1,2-Di chloro propane 12DCLP	1,1,2-Trichloro 2,2,1-tri fluoroethane TCLTFE	Methylene Chloride CH2CL2
Site A Effl	125229	09-Jun-94	F43	IVG 013	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40
Site A Effl	144894	06-Jul-94	F44	IVJ 008	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40
Site A Effl	172219	03-Aug-94	F44	IVM 010	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20
Site A Effl	207306	07-Sep-94	F44	IVP 016	<1.60	0.71	<2.60	<1.40	<2.00	<2.00	<6.40

Table IX-5

Site A Removal Action Effluent Water Quality (Inorganics)

TABLE IX-5
Site A Removal Action Effluent Water Quality (Inorganics)

Well	Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)
Site A Effl	125229	09-Jun-94	F43	<13.00	<3.00	66.50	<2.50	<5.00	<15.00	<20.00	406.00	<5.00
Site A Effl	144894	06-Jul-94	F44									
Site A Effl	172219	03-Aug-94	F44	<12.50		71.60	<2.50	<5.00	<15.00	<20.00	400.00	<63.10
Site A Effl	207306	07-Sep-94	F44	<12.50	<62.90	62.50	<2.50	<5.00	<15.00	<20.00	359.00	<63.10

Well	Lab #	Date	Qtr (2)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Nitrate NIT (ug/l)	Ortho phosphates PO4ORT (ug/l)	Total phosphates TPO4 (ug/l)	Zinc ZN (ug/l)
Site A Effl	125229	09-Jun-94	F43	<4.00	<37.10	<75.00	<100.00		173.00	200.00	270.00	26.40
Site A Effl	144894	06-Jul-94	F44					<0.74	199.00	96.20	180.00	
Site A Effl	172219	03-Aug-94	F44	<100.00	<37.10	<75.00	<100.00					86.50
Site A Effl	207306	07-Sep-94	F44	<100.00	<37.10	<75.00	<100.00	<0.74	251.00		66.00	29.50

Table X-1

Groundwater Capture and Treatment Requirements
TGRS, TCAAP

TABLE X-1

GROUNDWATER CAPTURE AND TREATMENT REQUIREMENTS
TGRS, TCAAP

Substance	*Contaminant Specific Requirements (a) (ppb)*	*Acceptable Risk Level (b) 10^6 (ppb)*	*Expected Level in Discharge (ppb)*
Volatile Organic Compounds (VOCs)			
Benzene	5 (MCL)	0.67	ND
Toluene	2,000 (MCLGP)	--	ND
cis-1,2-Dichloroethene plus trans-1,2-Dichloroethene	70 (MCLGP)	--	<1
1,1-Dichloroethene	7 (MCL)	0.033	<1
1,1,1-Trichloroethane	200 (MCL)	22	<1
1,1,2-Trichloroethane	6.1 (RAL)	0.6	<1
1,2-Dichloroethane	5 (MCL)	0.38	--
1,1,2-Trichloroethene	5 (MCL)	2.8	<5
1,2-Dichloropropane	6 (MCLGP)	0.56	--
1,1,2,2-Tetrachloroethane	6.9 (RAL)	0.7	--
Carbon Tetrachloride	5 (MCL)	0.3	--
1,1,2-Trichlorotrifluoroethane	-- (GA)	--	--
Chloroform	5 (RAL)	0.19	<1
Vinyl Chloride	2 (MCL)	0.015	<2
Xylene	440 (MCLGP)	--	ND
1,1-Dichloroethane	-- (GA)	--	--
Metals			
Arsenic	50 (MCL)	0.25	NA
Barium	1,000 (MCL)	1,000 (MCL)	NA
Cyanide	200 (MCL)	200 (WQC)	NA
Cadmium	5 (MCLP)	10 (WQC)	NA
Lead	20 (MCLGP)	0.031	NA
Nickel	150 (HA)	15.4 (WQC)	NA
Mercury	2 (MCL)	2.0 (MCL)	NA

Notes:

(a) Applicable to all phases, capture and discharge

(b) Receptor based criteria for Phase 2. Laboratory detection limits may be substituted for criteria levels with USEPA approval. Values are based on 10-6 risk level for carcinogens and for non-carcinogens with stricter limit determined by MCL, AIC or Water Quality criteria adjusted for ingestion of drinking water only.

MCL - Maximum Contaminant Level
MCL - Maximum Contaminant Level Proposed
MCLG - Maximum Contaminant Level Goal
MCLGP - Maximum Contaminant Level Goal Proposed
HA - Lifetime Health Advisory
RAL - Recommended Allowable Level - State of Minnesota
SMCL - Secondary Maximum Contaminant Level
ND - None Detectable
NA - Not significantly affected by remedy - not expected to be migrating from sources and will remain at background levels
CAA - Clean Air Act
AIC - Chronic Acceptable Intake
WQC - Water Quality Criteria - adapted for ingestion of drinking water only - concentrations represent 1 x 10-6 risk levels
GA - Group Action Criteria of 10 ppb adopted
ATSOR - Agency for Toxic Substances and Disease Registry recommended action level for BGRS.

Table X-2

Summary of Pumping Test Results
BGRS, TCAAP

TABLE X-2

SUMMARY OF PUMPING TEST RESULTS
BGRS, TCAAP

Well	*Transmissivities (ft^2/day)*
B1	27,254
B2	38,417
B3	26,920
B4	26,226
B5	34,273
B6	30,300

Table X-3

FY 1994 Extraction Well
Practical Operating Pumping Rates
TGRS, TCAAP

TABLE X-3

FY 1994 EXTRACTION WELL PRACTICAL OPERATING PUMPING RATES TGRS, TCAAP

Well Name	*GPM*	*Well Name*	*GPM*
B1	200*	B10	250
B2	200*	B11	100
B3	200*	B12	190
B4	200	SC1	40
B5	200	SC2	45
B6	275	SC3	100
B7	300	SC4	45
B8	135	SC5	100
B9	150		
		TOTAL	2,730

Note:

* In February 1994, the flow rates were revised. The flow rate for B1 was increased to 235 GPM. The flow rate for B2 was decreased to 150 GPM and the flow rate for B3 was increased to 215 GPM.

Table X-4

Extraction Well Shut Down Sequence
TGRS, TCAAP

TABLE X-4

EXTRACTION WELL SHUT DOWN SEQUENCE TGRS, TCAAP

1st	B12
2nd	B7
3rd	B3, B11 and SC1
4th	B10 and SC4
5th	B8 and B2
6th	B9 and SC3
7th	B1 and B4
8th	B6 and B5
9th	SC2 and SC5

Note:

The SC1 well and associated treatment system is controlled by a run permissive switch. The switch is controlled by the TGRS PLC. When the PLC orders B11 to operate, SC1 is given permission to run. When the PLC orders B11 to shut down, permission is withdrawn for SC1 to operate. SC1 shuts down.

Table X-5

Fiscal Year 1994 Extraction Well Water Pumped
TGRS, TCAAP

TABLE X - 5

FISCAL YEAR 1994 EXTRACTION WELL WATER PUMPED
TGRS, TCAAP

	Volume of Water Pumped (Gallons)																
	B1	*B2*	*B3*	*B4*	*B5*	*B6*	*B7*	*B8*	*B9*	*B10*	*B11*	*B12*	*SC1*	*SC2*	*SC3*	*SC4*	*SC5*	*TOTAL*
October	7,873,100	6,503,400	6,955,700	7,546,000	7,913,200	10,642,400	14,453,300	5,862,100	6,396,500	10,905,600	4,486,800	7,877,500	1,486,640	1,453,100	3,488,700	1,977,700	4,475,200	110,296,940
November	3,376,800	3,660,600	3,495,500	3,546,500	3,832,600	5,217,000	5,732,100	2,633,400	2,850,300	4,663,600	1,728,300	3,686,700	670,810	814,700	2,094,800	1,001,700	2,599,300	51,604,710
December	8,510,100	7,046,500	9,720,500	7,240,700	7,865,400	10,784,600	9,537,400	5,476,200	6,317,100	9,722,900	3,804,400	7,089,900	1,454,300	1,751,000	3,698,000	1,638,700	3,837,200	105,494,900
January	8,673,800	7,337,300	8,131,100	8,115,900	8,786,400	11,821,700	12,896,100	5,993,000	6,687,200	10,933,700	3,983,500	7,954,500	1,639,870	2,142,500	4,283,300	2,208,400	4,655,700	116,243,970
February	7,835,600	4,726,200	7,522,200	7,944,900	7,801,400	10,654,200	12,290,800	5,493,300	6,125,100	10,147,200	3,879,700	7,087,900	1,511,960	2,056,300	3,793,600	2,073,600	3,870,100	104,814,060
March	8,916,600	7,839,300	8,996,800	8,586,300	8,559,100	11,780,400	12,565,600	5,691,300	6,519,026	10,752,500	4,006,200	7,195,823	1,657,700	1,732,100	4,087,400	1,518,800	4,043,400	114,448,349
April	8,257,400	7,687,900	9,630,100	8,157,500	8,281,800	11,209,400	12,643,600	5,514,500	6,341,074	10,072,900	5,159,600	7,631,977	1,501,540	1,623,100	4,013,400	2,717,500	3,892,800	114,336,091
May	9,578,000	7,172,600	9,662,400	8,484,900	8,563,200	11,296,400	12,961,500	5,699,400	6,520,700	10,458,600	5,072,200	9,974,400	1,697,500	1,885,300	4,208,900	1,870,600	3,991,500	119,098,100
June	9,208,700	6,562,800	9,150,900	8,231,700	8,373,600	11,311,200	12,591,900	5,415,100	6,221,300	9,938,200	4,540,700	6,604,800	1,476,100	1,602,300	4,030,400	1,691,200	3,653,100	110,604,000
July	7,179,900	4,987,600	6,350,200	6,483,900	6,103,700	8,354,400	8,815,000	3,971,400	4,610,100	7,530,000	3,342,800	6,282,200	960,150	1,196,600	3,050,700	1,142,500	3,174,300	83,535,450
August	10,435,100	5,294,600	9,411,000	8,698,500	8,660,100	11,694,700	13,100,000	5,920,900	6,375,300	10,510,700	4,828,400	8,331,000	1,673,860	1,579,700	4,304,600	1,490,700	4,366,600	116,675,760
September	10,149,000	6,264,300	9,130,500	8,571,000	8,930,900	11,672,700	12,626,600	5,732,800	6,166,500	10,083,800	4,024,800	8,151,600	1,621,320	1,407,400	4,071,600	1,383,600	4,139,100	114,127,520
TOTAL	99,994,100	75,083,100	98,156,900	91,607,800	93,671,400	126,439,100	140,213,900	63,403,400	71,130,200	115,719,700	48,857,400	87,868,300	17,351,750	19,244,100	45,125,400	20,715,000	46,698,300	1,261,279,850

TABLE X - 5

FISCAL YEAR 1994 EXTRACTION WELL WATER PUMPED
TGRS, TCAAP

	Volume of Water Pumped (Gallons)																	
	B1	*B2*	*B3*	*B4*	*B5*	*B6*	*B7*	*B8*	*B9*	*B10*	*B11*	*B12*	*SC1*	*SC2*	*SC3*	*SC4*	*SC5*	*TOTAL*
1989	67,563,900	69,364,850	72,257,490	75,237,700	76,328,500	100,611,510	138,278,100	42,329,200	60,613,300	54,516,600	93,534,437	60,210,340	13,867,660	20,078,880	36,660,309	12,593,300	39,307,600	1,033,353,676
1990	70,722,300	69,450,060	73,633,450	80,511,000	71,897,000	105,220,300	117,609,400	40,747,900	59,883,400	95,227,900	40,939,800	63,867,460	11,281,750	19,278,830	35,609,300	15,260,500	37,275,400	1,008,415,750
1991	99,482,900	102,399,960	98,521,050	104,674,800	105,191,900	137,181,500	153,080,700	63,386,100	77,083,200	130,044,100	54,094,000	95,329,240	17,111,600	23,724,440	46,611,600	20,228,000	54,182,500	1,382,327,590
1992	103,612,700	105,175,800	104,103,100	105,741,800	106,869,400	140,681,700	155,934,000	61,053,000	78,498,200	129,041,800	52,635,900	93,170,000	17,472,600	21,165,900	50,254,500	22,045,100	53,891,100	1,401,346,600
1993	104,610,228	97,362,300	102,039,200	102,785,395	105,885,800	140,275,000	153,555,300	60,334,400	78,395,400	129,093,800	49,765,700	90,094,600	16,887,368	24,623,700	51,413,200	25,104,180	55,980,600	1,388,206,172
1994	99,994,100	75,083,100	98,156,900	91,607,800	93,671,400	126,439,100	140,213,900	63,403,400	71,130,200	115,719,700	48,857,400	87,868,300	17,351,750	19,244,100	45,125,400	20,715,000	46,698,300	1,245,663,275

Table X-6

Fiscal Year 1994 Treatment Center Water Meter Totals
TGRS, TCAAP

TABLE X - 6

FISCAL YEAR 1994 TREATMENT CENTER WATER METER TOTALS
TGRS, TCAAP

	Volume of Water Pumped (Gallons)									
	Extraction Wells	*Meter No. 1*	*Meter No. 2*	*Total M1 & M2*	*Meter No. 3*	*Meter No. 4*	*Total M3 & M4*	*Meter No. 5*	*Meter No. 6*	*Total M5 & M6*
October	108,958,964	53,396,000	58,989,000	112,385,000	43,043,000	56,495,000	99,538,000	58,698,000	11,022,000	69,720,000
November	51,000,981	27,775,000	25,516,000	53,291,000	18,256,000	29,564,000	47,820,000	26,948,000	1,000	26,949,000
December	104,186,030	49,979,000	58,119,000	108,098,000	35,151,000	61,536,000	96,687,000	52,444,000	43,226,000	95,670,000
January	114,768,087	56,939,000	62,645,000	119,584,000	41,120,000	65,458,000	106,578,000	57,352,000	71,127,000	128,479,000
February	103,453,296	51,497,000	56,322,000	107,819,000	37,334,000	58,710,000	96,044,000	51,770,000	66,689,000	118,459,000
March	112,956,419	57,313,000	60,750,000	118,063,000	37,000,000	68,415,000	105,415,000	56,782,000	69,568,000	126,350,000
April	112,984,705	60,724,000	58,187,000	118,911,000	38,283,000	67,644,000	105,927,000	57,219,000	72,420,000	129,639,000
May	117,570,350	61,603,000	62,168,000	123,771,000	37,428,000	73,263,000	110,691,000	59,947,000	2,595,000	62,542,000
June	109,275,510	58,373,000	58,506,000	116,879,000	39,611,000	64,847,000	104,458,000	56,509,000	2,000	56,511,000
July	82,671,315	46,167,000	43,557,000	89,724,000	36,896,000	43,106,000	80,002,000	45,223,000	32,503,000	77,726,000
August	115,169,286	69,058,000	58,152,000	127,210,000	48,177,000	62,868,000	111,045,000	66,231,000	90,893,000	157,124,000
September	112,668,332	67,876,000	57,042,000	124,918,000	44,911,000	63,762,000	108,673,000	64,790,000	90,085,000	154,875,000
TOTAL	1,245,663,275	660,700,000	659,953,000	1,320,653,000	457,210,000	715,668,000	1,172,878,000	653,913,000	550,131,000	1,204,044,000

TABLE X - 6

FISCAL YEAR 1994 TREATMENT CENTER WATER METER TOTALS
TGRS, TCAAP

Volume of Water Pumped (Gallons)										
	Extraction Wells	*Meter No. 1*	*Meter No. 2*	*Total M1 & M2*	*Meter No. 3*	*Meter No. 4*	*Total M3 & M4*	*Meter No. 5*	*Meter No. 6*	*Total M5 & M6*
1989	1,033,353,676	501,826,000	560,836,000	1,062,662,000	383,736,000	587,596,000	971,332,000	493,681,000	582,955,000	1,076,636,000
1990	1,008,415,750	493,915,000	526,417,000	1,020,332,000	371,391,000	588,642,000	960,033,000	487,946,000	543,726,000	1,031,672,000
1991	1,382,327,590	666,166,000	708,313,000	1,374,479,000	523,702,000	789,947,000	1,313,649,000	601,307,000	649,621,000	1,250,928,000
1992	1,401,346,600	68,289,000	724,328,000	1,407,227,000	557,169,000	772,509,000	1,329,678,000	767,707,000	677,735,000	1,445,442,000
1993	1,388,206,172	666,814,000	725,341,000	1,392,155,000	504,027,000	651,149,000	1,155,176,000	729,078,000	762,791,000	1,491,869,000
1994	1,245,663,275	660,700,000	659,953,000	1,320,653,000	457,210,000	715,668,000	1,172,878,000	653,913,000	550,131,000	1,204,044,000

Table X-7

Down Time Days
TGRS, TCAAP

TABLE X-7

DOWN TIME DAYS
TGRS, TCAAP

Well Name	*1994 Days Down**	*1993 Days Down*	*1992 Days Down*	*1991 Days Down*	*1990 Days Down*	*Well Name*	*1994 Days Down**	*1993 Days Down*	*1992 Days Down*	*1991 Days Down*	*1990 Days Down*
B1	27	5	6	9	7	B9	27	5	5	8	8
B2	35	8	7	8	8	B10	27	5	5	7	4
B3	28	6	6	20	5	B11	29	6	7	8	6
B4	27	6	7	8	4	B12	30	10	5	7	4
						SC1	29	9	6	11	
B5	27	7	7	10	4	SC2	31	7	8	7	5
B6	30	7	6	8	4	SC3	28	5	7	7	4
B7	28	6	5	7	4	SC4	27	6	7	7	4
B8	27	5	5	8	5	SC5	29	6	7	7	4

Notes:

* The down time for days for 1994 includes 26.7 days downtime for maintenance painting of the TGRS.

Table X-8

FY 1994 Down Time Days
By Category
TGRS, TCAAP

TABLE X-8

FY 1994 DOWN TIME DAYS
BY CATEGORY
TGRS, TCAAP

Problem	*Down Time Days*	*%*	*Affected Wells/System*
System Modifications	0	0	Extraction Wells
Trouble Shooting/Repairs	5.0	14.8	Treatment Center
Trouble Shooting/Repairs	1.8	5.3	Pumphouses
Preventive Maintenance	0.1	0.3	Entire System
TCAAP Power System Failures	0.1	0.3	Entire System Down
Maintenance Painting	26.7	79.3	Entire System Down
TOTAL DAYS DOWN	33.7	100	

Anticipated Down Time 1995

Preventive Maintenance	0.1	Wells
Preventive Maintenance	0.1	Treatment Center
Preventive Maintenance	0.1	Forcemain
TCAAP Electrical System Failures	1.5	Entire System
Trouble Shooting/Repairs	1	Wells
Trouble Shooting/Repairs	3	Treatment Center
System Modifications	2	Treatment Center, Wells and Foremain

Table X-9

Hydraulic Vertical Gradients
TGRS, TCAAP

TABLE X-9

HYDRAULIC VERTICAL GRADIENTS
TGRS, TCAAP

WELLS	*04/02/87*	*09/08/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*01/11/88*	*05/02/88*	*05/20/88*	*06/23/88*	*07/27/88*	*09/01/88*	*09/21/88*
03U001 <---> 03M001	0.016		0.002	0.001	0.001	0.001	0.004	0.001	0.002	0.005	0.009	0.006	0.002
03M001 <---> 03L001	0.002	0.001	-0.001	0.000	0.000	-0.001	-0.004	0.001	0.000	0.000	-0.006	-0.004	0.001
03L001 <---> 04U001	-0.018		-0.004	-0.004	-0.004	-0.004	-0.004	-0.005	-0.005	-0.005	-0.003	-0.003	-0.004
03U002 <---> 03M002	-0.004	-0.001	-0.008	-0.007		-0.005	-0.006	-0.007	-0.005	-0.009	-0.007	0.004	0.004
03M002 <---> 03L002	-0.001	-0.001	-0.001	-0.001		-0.001	-0.001	0.000	-0.001	-0.001	-0.001	-0.001	0.000
03L002 <---> 04U002	-0.005	-0.002	-0.001	-0.001	-0.002	-0.001	-0.001	-0.002	-0.001	-0.003	-0.005	-0.002	-0.002
03U003 <---> 03M003			-0.001	-0.082		0.001	0.004	-0.002	-0.001	-0.004	-0.001	-0.001	-0.002
03M003 <---> 03L003	-0.012	-0.015	-0.014	0.073		-0.012	-0.007	-0.018	-0.015	-0.020	-0.020	-0.017	-0.017
03L003 <---> 04U003	-0.066	-0.072	-0.060	-0.061	-0.059	-0.060	-0.054	-0.067	-0.066	-0.077	-0.063	-0.059	-0.063
04U003 <---> PJ#003						-0.009		-0.009	-0.010	-0.023	-0.015	-0.011	-0.011
03U004 <---> 03M004	-0.018	-0.008	-0.010	-0.010	-0.010	-0.010	-0.003	-0.011	-0.011	-0.012	-0.012	-0.011	-0.011
03M004 <---> 03L004	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
03U005 <---> 03M005								0.002	0.002	0.004	0.001	0.001	0.002
03M005 <---> 03L005								-0.018	-0.018	-0.024	-0.018	-0.018	-0.018
03U007 <---> 03M007				-0.001		-0.001	-0.001	-0.001	-0.001	0.000	0.000	-0.001	-0.001
03M007 <---> 03L007				-0.006		-0.006	-0.006	-0.007	-0.006	-0.007	-0.006	-0.003	-0.006
03L007 <---> 04U007				0.002		0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001
03U010 <---> 03M010				-0.002		-0.002	-0.002	-0.002	-0.001	-0.002	-0.001	0.000	0.000
03M010 <---> 03L010				-0.008		-0.010	-0.011	-0.013	-0.013	-0.013	-0.011	-0.012	-0.013
03U012 <---> 03M012			0.003	-0.001		-0.001	0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
03M012 <---> 03L012			-0.002	-0.001		0.000	-0.006	-0.001	-0.001	-0.001	-0.001	0.000	-0.001
03L012 <---> 04U012			-0.002	-0.002		-0.003	-0.001	-0.002	-0.002	-0.002	-0.002	-0.003	-0.002
03U013 <---> 03M013		-0.001	-0.001	-0.001		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
03M013 <---> 03L013		-0.001	-0.002	-0.002		-0.002	-0.009	-0.002	-0.001	-0.002	-0.001	-0.001	-0.002
03U014 <---> 03L014		0.000	0.001	0.001		0.001	0.001	0.001	0.011	-0.001	-0.001	0.000	0.000
03U017 <---> 03M017	-0.006	-0.001	-0.001	-0.002			-0.002	-0.002	-0.002	-0.002	-0.001	-0.001	-0.001
03M017 <---> 03L017	-0.001	-0.001	-0.001	0.002				-0.001	-0.001	-0.001	0.002	-0.001	-0.001
03U018 <---> 03L018	-0.005	-0.002		-0.002	-0.002	-0.003	-0.002	-0.002	-0.003	-0.004	-0.004	-0.002	-0.002

TABLE X-9

HYDRAULIC VERTICAL GRADIENTS
TGRS, TCAAP

WELLS	*10/14/88*	*12/02/88*	*01/13/89*	*03/31/89*	*07/07/89*	*10/05/89*	*12/21/89*	*01/11/90*	*05/16/90*	*07/16/90*	*02/28/91*	*06/03/91*	*09/03/91*
03U001 <---> 03M001	0.002	0.002	0.002	-0.002	-0.003	-0.005	-0.004	-0.005	-0.004	-0.002	-0.005	-0.005	-0.005
03M001 <---> 03L001	0.000	-0.001	0.000	-0.008	-0.004	-0.002	-0.004	-0.004	-0.004	-0.005	-0.004	-0.003	-0.004
03L001 <---> 04U001	-0.005	-0.003	-0.004	-0.003	0.051	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004
03U002 <---> 03M002	-0.001	0.001	-0.017	-0.009	-0.101	-0.010	-0.009	-0.008	-0.009	-0.008	-0.009	-0.008	-0.007
03M002 <---> 03L002	-0.001	-0.001	-0.001	-0.001	0.163	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.004
03L002 <---> 04U002	-0.002		-0.003	-0.016	-0.011	-0.013	-0.014	-0.014	-0.013	-0.013	-0.014	-0.014	-0.013
03U003 <---> 03M003	0.000	0.002	-0.002	-0.012	-0.016	-0.015	-0.004	-0.006	-0.007	-0.005	-0.005	-0.004	-0.004
03M003 <---> 03L003	-0.014	-0.011	-0.017	-0.033		-0.037	-0.019	-0.023	-0.021	-0.020	-0.021	-0.021	-0.021
03L003 <---> 04U003	-0.053	-0.057	-0.056	-0.018		-0.015	-0.039	-0.034	-0.031	-0.032	-0.030	-0.028	-0.030
04U003 <---> PJ#003	-0.009	-0.010	-0.009	-0.007		-0.009	-0.010	-0.014	-0.008	-0.008	-0.009	-0.009	-0.010
03U004 <---> 03M004	-0.009	-0.008	-0.008	-0.012		-0.014	-0.012	-0.012	-0.013		-0.012		
03M004 <---> 03L004	-0.001	0.000	-0.001	-0.001		-0.001	0.000	-0.001	-0.001		-0.001		
03U005 <---> 03M005	0.004	0.001	0.002	0.005		0.005	0.005	0.005	0.005		0.002		
03M005 <---> 03L005	-0.024	-0.018	-0.018	-0.025		-0.024	-0.024	-0.024	-0.024		-0.018		
03U007 <---> 03M007	-0.001	-0.001	-0.001	-0.001		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
03M007 <---> 03L007	-0.006	-0.004	-0.005	-0.006		-0.006	-0.006	-0.006	-0.007	-0.008	-0.005	-0.006	-0.005
03L007 <---> 04U007	0.002	0.002	0.002	0.002		0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002
03U010 <---> 03M010	0.001	0.000	0.000	-0.001		0.000	-0.001	0.000					
03M010 <---> 03L010	-0.012	-0.012	-0.013	-0.011		-0.014	-0.013	-0.013					
03U012 <---> 03M012	-0.001	-0.001	0.000	0.000		0.000	0.000	0.000	-0.001	-0.001	0.000	-0.001	0.000
03M012 <---> 03L012	-0.001	-0.005	0.000	-0.002		-0.001	0.000	-0.001	0.000	-0.001	-0.002	-0.001	-0.001
03L012 <---> 04U012	-0.002	0.000	-0.003	-0.003		-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
03U013 <---> 03M013	-0.001	-0.001	-0.001	-0.001		-0.001	0.000	0.000	0.000		0.000		
03M013 <---> 03L013	-0.002	-0.001	-0.001	-0.001		-0.002	-0.002	-0.001	-0.001		-0.001		
03U014 <---> 03L014	0.001	0.001	0.001	0.001		0.001	0.002	0.001	0.002		0.002	0.002	0.001
03U017 <---> 03M017	-0.001	-0.002	-0.001	-0.002		-0.001	-0.002	0.000	-0.002		-0.002		
03M017 <---> 03L017	-0.001	-0.001	0.000	-0.002		0.000	0.004	-0.001	-0.001		-0.001		
03U018 <---> 03L018	-0.002	-0.001	-0.001	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003		-0.002		

TABLE X-9

HYDRAULIC VERTICAL GRADIENTS
TGRS, TCAAP

WELLS	*09/27/91*	*12/06/91*	*03/24/92*	*9/01/92*	*10/08/92*	*03/02/93*	*09/10/93*	*03/01/94*	*09/02/94*
03U001 <---> 03M001	-0.005	-0.005	-0.006	-0.003	-0.004	-0.004	-0.005	-0.003	-0.003
03M001 <---> 03L001	-0.005	-0.005	-0.004	-0.005	-0.005	-0.006	-0.006	-0.005	-0.006
03L001 <---> 04U001	-0.003	-0.003	-0.004	-0.003	-0.003	-0.002	-0.003	-0.002	-0.003
03U002 <---> 03M002	-0.008	-0.008	-0.008	-0.009	-0.007	-0.008	-0.009	-0.009	-0.010
03M002 <---> 03L002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
03L002 <---> 04U002	-0.015	-0.014	-0.015	-0.015	-0.015	-0.015	-0.018	-0.018	-0.019
03U003 <---> 03M003	-0.004	-0.004	-0.003	-0.003	-0.003	-0.003	-0.004	-0.005	-0.002
03M003 <---> 03L003	-0.020	-0.022	-0.022	-0.011	-0.009	-0.009	-0.012	-0.016	-0.015
03L003 <---> 04U003	-0.029	-0.028	-0.028	-0.050	-0.045	-0.043	-0.034	-0.040	-0.050
04U003 <---> PJ#003	-0.009	-0.009	-0.009	-0.006	-0.006	-0.006	-0.007	-0.006	-0.008
03U004 <---> 03M004	-0.013		-0.013	0.000	-0.037	-0.037	-0.036	-0.036	-0.038
03M004 <---> 03L004	-0.001		0.000	0.000	-0.019	-0.019	-0.019	-0.019	-0.019
03U005 <---> 03M005	0.001		0.005	0.000	0.000	0.000	0.000	0.000	0.000
03M005 <---> 03L005	-0.018		-0.018	0.000	0.000	0.000	0.000	0.000	0.000
03U007 <---> 03M007	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
03M007 <---> 03L007	-0.009	-0.006	-0.008	-0.010	-0.009	-0.007	-0.008	-0.007	-0.010
03L007 <---> 04U007	0.003	0.002	0.003	0.003	0.002	0.002	0.002	0.003	0.002
03U010 <---> 03M010	0.000		-0.006	0.000	-0.001	-0.001	-0.001	0.000	-0.001
03M010 <---> 03L010	-0.008		-0.010	0.000	0.000	0.001	-0.002	-0.005	-0.005
03U012 <---> 03M012	-0.001	-0.001	-0.001	0.000	-0.001	0.000	-0.001	0.000	0.000
03M012 <---> 03L012	-0.002	-0.001	0.000	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002
03L012 <---> 04U012	-0.003	-0.003	-0.004	-0.002	-0.002	-0.003	-0.003	-0.003	-0.002
03U013 <---> 03M013	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000
03M013 <---> 03L013	-0.002		-0.002	0.000	-0.001	-0.002	-0.002	-0.002	-0.002
03U014 <---> 03L014	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.001
03U017 <---> 03M017	-0.002		-0.002	0.000	-0.001	-0.001	-0.001	0.000	-0.001
03M017 <---> 03L017	-0.002		-0.002	0.000	0.001	0.000	0.000	0.000	0.000
03U018 <---> 03L018	-0.003		-0.014	0.000	-0.003	-0.003	-0.003	-0.003	-0.004

TABLE X-9

HYDRAULIC VERTICAL GRADIENTS
TGRS, TCAAP

WELLS	*04/02/87*	*09/08/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*01/11/88*	*05/02/88*	*05/20/88*	*06/23/88*	*07/27/88*	*09/01/88*	*09/21/88*
03U020 <---> 03M020	-0.005	0.004	-0.002	-0.002	-0.002	-0.002	-0.004	-0.003	-0.003	-0.004	-0.003	-0.002	-0.002
03M020 <---> 03L020	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.000
03L020 <---> 04U020	-0.011	-0.016	-0.012	-0.013	-0.012	-0.011	-0.029	-0.016	-0.017	-0.040	0.005	-0.017	-0.016
03U021 <---> 03L021						-0.002		-0.003					
03U027 <---> 03L027		0.000	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	-0.001	0.000	0.000	0.000
03L027 <---> 04U027		-0.034	-0.035	-0.035	-0.035	-0.035		-0.040	-0.040	-0.047	-0.044	-0.037	-0.040
04U027 <---> PJ#027		-0.002	-0.002	-0.003	-0.004	-0.003		-0.003	-0.003	-0.003	-0.003	-0.002	-0.002
03U028 <---> 03L028	-0.001	-0.001	-0.001		-0.001	0.000	0.000	-0.001	-0.001	-0.002	-0.010	-0.001	-0.001
03U029 <---> 03L029	0.000				-0.003	0.012	0.013	-0.005	-0.004	-0.006	-0.006	0.001	-0.003
03U077 <---> 03L077	-0.001	0.000	-0.008	-0.007	0.000	-0.008	-0.008	-0.007	-0.007	-0.008	-0.001	0.001	0.001
03L077 <---> 04U077	0.029	0.018	0.031	0.025	-0.053	-0.134	0.032	0.018	0.018	0.035	0.010	0.003	-0.061
04U077 <---> 04J077													0.031
03U078 <---> 03L078	-0.010	-0.009	0.003	0.006	0.006	0.004	0.003	-0.004	0.000	-0.009	0.000	0.006	0.010
03U079 <---> 03L079	-0.004	-0.004	0.011	0.019	0.010	0.011	0.009	0.006	0.008	-0.001	0.008	0.001	0.009
03U084 <---> 03L084								-0.009	-0.009	-0.009	-0.013	-0.010	-0.011
03U113 <---> 03L113								-0.002	-0.002			-0.002	-0.002
03U701 <---> 04U701	0.000	0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	0.001	0.001	-0.001
03U702 <---> 04U702	0.005	0.005	0.001	0.002	0.001	0.001	0.002	0.001	0.001	0.002	0.004	0.003	0.001
04U702 <---> 04J702													
03U708 <---> 04U708	-0.007	-0.007	-0.007	-0.007	-0.006	-0.005	-0.006	-0.009	-0.007	-0.011	-0.010	-0.003	-0.002
04U708 <---> 04J708													
03U709 <---> 04U709	-0.002	0.000	-0.005	-0.004	-0.001	-0.004	-0.003	-0.005	-0.004	-0.005	-0.004	0.002	0.003
03U711 <---> 04U711		-0.006		-0.005	-0.004	-0.004	-0.002	-0.005	-0.005	-0.008	-0.003	-0.020	-0.006
03M713 <---> 04U713													
04U713 <---> 04J713													

TABLE X-9

HYDRAULIC VERTICAL GRADIENTS
TGRS, TCAAP

WELLS	*10/14/88*	*12/02/88*	*01/13/89*	*03/31/89*	*07/07/89*	*10/05/89*	*12/21/89*	*01/11/90*	*05/16/90*	*07/16/90*	*02/28/91*	*06/03/91*	*09/03/91*
03U020 <---> 03M020	-0.001	-0.003	0.003	-0.004	-0.026	-0.004	0.001	-0.002	-0.003	-0.003	-0.004	-0.003	-0.004
03M020 <---> 03L020	0.000	0.001	0.001	0.003		0.001	-0.002	0.003	0.001	0.002	0.003	0.002	0.003
03L020 <---> 04U020	-0.013	-0.012	-0.012	-0.013		-0.030	-0.013	-0.013	-0.010	-0.010	-0.011	-0.009	-0.011
03U021 <---> 03L021			-0.002	-0.003		-0.003	-0.003	-0.003	-0.003		-0.003		
03U027 <---> 03L027	0.000	0.000	0.000	0.000		0.005	0.000	0.000	-0.001		-0.001		
03L027 <---> 04U027	-0.035	-0.030	-0.030	-0.041		-0.046	-0.042	-0.041	-0.041		-0.041		
04U027 <---> PJ#027	-0.002	-0.002	-0.002	-0.001		-0.002	-0.002	-0.002	0.000		-0.001		
03U028 <---> 03L028	-0.001	0.000	-0.001	-0.001		-0.001	-0.001	-0.001	-0.001		-0.001		
03U029 <---> 03L029	0.011	0.000	-0.004	0.008		-0.001	0.008						
03U077 <---> 03L077	-0.005	0.000	0.000	0.011		-0.012	-0.017	-0.012	-0.012		-0.012		
03L077 <---> 04U077	0.016	0.011				0.015	0.003	0.000	0.001		0.001		
04U077 <---> 04J077		0.000				-0.043	-0.049	-0.048	-0.041		-0.037		
03U078 <---> 03L078	0.005	-0.004	-0.001	0.001		-0.003	-0.001	0.000	0.005		0.006		
03U079 <---> 03L079	0.010	-0.001	0.004	0.009		0.007	0.005	0.011	0.012		0.014		
03U084 <---> 03L084	-0.011	-0.011		-0.015		-0.013	-0.013	-0.014	-0.014		-0.015		
03U113 <---> 03L113			-0.001	-0.001		-0.002	-0.001	-0.001	-0.001		-0.001		
03U701 <---> 04U701	0.000	0.002	0.001	-0.003		-0.008	-0.010	-0.010	-0.009		-0.009		
03U702 <---> 04U702	0.002	0.004	0.003	-0.002		-0.002	0.002	-0.004	-0.004		-0.004		
04U702 <---> 04J702		0.003	0.002	-0.011		-0.010	-0.030	-0.015	-0.012		-0.011		
03U708 <---> 04U708	-0.005	-0.004	-0.007	-0.006		-0.010	-0.008	-0.008	-0.007		-0.007		
04U708 <---> 04J708				-0.030		-0.019	-0.021	-0.020	-0.023		-0.022		
03U709 <---> 04U709	-0.002	0.000	-0.003	-0.003	-0.008	-0.010	-0.003	-0.009	-0.009		-0.009		
03U711 <---> 04U711	-0.004	-0.003	-0.005	-0.006	0.012	-0.007	-0.006	-0.006	-0.005	0.005	-0.007	-0.006	0.006
03M713 <---> 04U713		0.027	0.027	0.027	0.011	0.035	0.032	0.031	0.030	0.031	0.032	0.033	0.036
04U713 <---> 04J713		-0.026	-0.027	-0.039	-0.134	-0.049	-0.049	-0.048	-0.045	-0.047	-0.051	-0.052	-0.055

TABLE X-9

HYDRAULIC VERTICAL GRADIENTS
TGRS, TCAAP

WELLS	*09/27/91*	*12/06/91*	*03/24/92*	*9/01/92*	*10/08/92*	*03/02/93*	*09/10/93*	*03/01/94*	*09/02/94*
03U020 <---> 03M020	-0.004	-0.004	-0.004	-0.002	-0.001	-0.002	-0.002	-0.003	-0.003
03M020 <---> 03L020	0.003	0.003	0.003	0.000	0.000	0.000	0.000	0.001	0.001
03L020 <---> 04U020	-0.008	-0.006	-0.009	-0.011	-0.008	-0.007	-0.004	-0.006	-0.010
03U021 <---> 03L021	-0.006		-0.003	0.000	-0.002	-0.003	-0.003	-0.003	-0.003
03U027 <---> 03L027	-0.001		0.000	0.000	-0.001	-0.001	-0.001	-0.001	-0.001
03L027 <---> 04U027	-0.040		-0.042	0.000	-0.043	-0.043	-0.044	-0.045	-0.048
04U027 <---> PJ#027	-0.002		-0.001	0.000	0.000	0.000	0.000	-0.002	-0.002
03U028 <---> 03L028	-0.001		-0.001	0.000	-0.001	-0.001	-0.001	-0.001	-0.001
03U029 <---> 03L029			0.010	0.000	0.010	0.010	0.008	0.006	0.005
03U077 <---> 03L077	-0.012		-0.011	0.000	-0.012	-0.012	-0.012	-0.013	-0.014
03L077 <---> 04U077	0.002		-0.001	0.000	0.006	0.004	0.003	0.002	0.005
04U077 <---> 04J077	-0.037		-0.041	0.000	-0.041	-0.043	-0.045	-0.044	-0.043
03U078 <---> 03L078	0.013		0.015	0.000	0.012	0.011	0.010	0.005	0.002
03U079 <---> 03L079	0.019		0.017	0.000	0.016	0.016	0.013	0.012	0.013
03U084 <---> 03L084	-0.014		-0.015	0.000	-0.279	-0.282	-0.284	-0.247	-0.528
03U113 <---> 03L113	-0.002		-0.002	0.000	-0.001	0.000	0.000	0.000	-0.001
03U701 <---> 04U701	-0.009		-0.010	-4.696	-0.010	-0.010	-0.010	-0.011	-0.011
03U702 <---> 04U702	-0.004		-0.004	0.000	-0.004	-0.004	-0.004	-0.004	-0.004
04U702 <---> 04J702	-0.010		-0.011	0.000	-0.016	-0.017	-0.017	-0.017	-0.018
03U708 <---> 04U708	-0.006		-0.005	0.000	-0.007	-0.006	-0.007	-0.008	-0.009
04U708 <---> 04J708	-0.023		-0.026	0.000	-0.026	-0.027	-0.033	-0.033	-0.034
03U709 <---> 04U709	-0.009		-0.009	0.000	-0.009	-0.009	-0.010	-0.011	-0.011
03U711 <---> 04U711	0.005	0.005	0.006	-0.007	-0.006	-0.006	-0.007	-0.007	-0.008
03M713 <---> 04U713	0.034	0.034	0.035	0.037	0.035	0.034	0.035	0.034	0.035
04U713 <---> 04J713	-0.053	-0.053	-0.055	-0.058	-0.055	-0.054	-0.048	-0.053	-0.052

TABLE X-9

HYDRAULIC VERTICAL GRADIENTS
TGRS, TCAAP

WELLS	*04/02/87*	*09/08/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*01/11/88*	*05/02/88*	*05/20/88*	*06/23/88*	*07/27/88*	*09/01/88*	*09/21/88*
04U714 <---> 04J714													
PD3U3 <---> PD3L3	-0.058	-0.070	-0.066	-0.057	-0.061	-0.085	-0.047	-0.055	-0.058	-0.073	-0.076	-0.072	-0.068
PD3L3 <---> PD3U4	0.007	0.007	-0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.007	0.007
T2M3 <---> T2L3	0.019	0.022	-0.002	0.003	-0.004	-0.044	0.029	-0.010	-0.006	-0.024	-0.001	-0.013	-0.016
T2L3 <---> T2U4	-0.051	-0.057	-0.033	-0.044	-0.034	-0.022	-0.038	-0.022	-0.021	-0.028	-0.033	0.138	-0.020
T2U4 <---> T2PJ	-0.006	-0.005	-0.001	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.004	-0.004	-0.070	-0.003
T6U3 <---> T6M3	0.004	0.005	-0.006	-0.002	-0.007	-0.006	0.004	-0.006	-0.005	-0.003	0.005	0.004	-0.005
T6M3 <---> T6L3	-0.001	-0.002	-0.001	0.002	-0.001	0.003	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	-0.001
T6L3 <---> T6U4	-0.007	-0.008	-0.002	-0.007	-0.001	-0.007	-0.005	-0.003	-0.002	-0.004	-0.008	-0.006	-0.003
T6U4 <---> T6PJ	0.000	0.000	0.014	-0.001	0.002	0.001	0.000	0.001	0.001	0.000	0.000	0.001	0.001

TABLE X-9

HYDRAULIC VERTICAL GRADIENTS
TGRS, TCAAP

WELLS	*10/14/88*	*12/02/88*	*01/13/89*	*03/31/89*	*07/07/89*	*10/05/89*	*12/21/89*	*01/11/90*	*05/16/90*	*07/16/90*	*02/28/91*	*06/03/91*	*09/03/91*
04U714 <---> 04J714		0.003	0.000	-0.148		-0.003	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.002
PD3U3 <---> PD3L3	-0.065	-0.049	-0.052	-0.057		-0.063	-0.050	-0.050	-0.043	-0.048	-0.043	-0.038	-0.043
PD3L3 <---> PD3U4	0.007	0.008	-0.050	0.007		0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
T2M3 <---> T2L3	0.007	-0.012	-0.007	0.039		-0.010	-0.005	-0.005	0.001	0.001	-0.003	0.004	0.003
T2L3 <---> T2U4	-0.026	-0.033	-0.014	-0.020		-0.007	-0.015	-0.007	-0.002	-0.002	-0.004	-0.001	-0.003
T2U4 <---> T2PJ	-0.003	-0.003	-0.003	-0.002		-0.001	-0.002	-0.002	-0.002	-0.002	-0.003	-0.003	-0.003
T6U3 <---> T6M3	0.002	0.004	-0.003	-0.010	-0.004	-0.010	-0.011	-0.011	-0.011	-0.011	-0.012	-0.012	-0.011
T6M3 <---> T6L3	-0.001	-0.001	-0.001	-0.001		-0.001	-0.001	-0.001	0.000	-0.001	-0.001	0.000	-0.001
T6L3 <---> T6U4	-0.006	-0.006	-0.003	-0.004		-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.005	-0.004
T6U4 <---> T6PJ	0.001	0.001	0.001	0.001		0.001	0.000	0.000	0.000	0.001	0.001	0.001	0.001

TABLE X-9

HYDRAULIC VERTICAL GRADIENTS
TGRS, TCAAP

WELLS	*09/27/91*	*12/06/91*	*03/24/92*	*9/01/92*	*10/08/92*	*03/02/93*	*09/10/93*	*03/01/94*	*09/02/94*
04U714 <---> 04J714	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.001	-0.003
PD3U3 <---> PD3L3	-0.040	-0.035	-0.051	-0.042	-0.041	-0.039	-0.039	-0.034	-0.071
PD3L3 <---> PD3U4	0.009	0.009	0.023	0.002	0.002	0.002	0.002	0.002	0.002
T2M3 <---> T2L3	0.005	0.005	0.006	0.001	0.005	0.005	0.001	-0.002	-0.003
T2L3 <---> T2U4	-0.001	-0.002	-0.002	-0.011	-0.009	-0.007	-0.009	-0.009	-0.011
T2U4 <---> T2PJ	-0.003	-0.003	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.006
T6U3 <---> T6M3	-0.011	-0.011	-0.010	-0.011	-0.011	-0.012	-0.011	-0.012	-0.012
T6M3 <---> T6L3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
T6L3 <---> T6U4	-0.004	-0.004	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.005
T6U4 <---> T6PJ	0.001	0.001	0.000	-0.001	-0.001	-0.001	0.000	-0.001	-0.001

Table X-10

VOC Mass Loading Summary
TGRS, TCAAP

TABLE X-10

VOC MASS LOADING SUMMARY
TGRS, TCAAP

Well	*% Contribution to VOC Mass Removal*	*FY 1994 Total Pounds VOC Mass Removed*
B1	2.3	347
B2	0.9	142
B3	0.4	53
B4	16.4	2,475
B5	27.0	4,074
B6	10.1	1,525
B7	0.04	6
B8	0.30	45
B9	1.9	280
B10	0.13	21
B11	0.04	5
B12	0.02	3
SC1	0.16	24
SC2	1.6	241
SC3	0.27	42
SC4	0.04	6
SC5	38.4	5,781
	FY 1994 Total	15,070
	Daily Average	41 lbs/day

Fiscal Year	*Pounds VOC Mass Removed*
1993	20,165
1882	24,527
1991	26,760
1990	18,005
1989	19,510
1988	4,800
1987	2,100
Total	130,937

Table X-11

Historical VOC Concentrations in Extraction Wells
TGRS, TCAAP

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C12DCE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
03F302 (B1)	11/17/87	9.700	0.300	3.800	5.000		< 0.020	51.400	< 0.200	11.300	< 0.200	0.600	1040.000
03F302 (B1)	12/15/87	23.200	0.260	12.300	12.800		< 0.200	177.000	< 0.200	20.800	1.100	1.500	2120.000
03F302 (B1)	01/12/88	23.000	< 4.000	12.000	20.000		< 4.000	182.000	< 4.000	18.000	< 4.000	< 4.000	2580.000
03F302 (B1)	04/28/88	41.000	< 10.000	12.000	14.000		< 10.000	124.000	< 10.000	22.000	< 10.000	< 10.000	2900.000
03F302 (B1)	07/19/88	24.000	0.490	7.500	18.000		< 0.200	234.000	< 0.200	< 0.200	1.200	2.700	4300.000
03F302 (B1)	10/21/88	24.000	< 0.500	10.000	14.000		< 1.000	135.000	< 0.500	0.500	0.660	2.200	4800.000
03F302 (B1)	03/16/89	31.000	< 10.000	< 10.000	11.000		< 10.000	130.000	< 10.000	< 10.000	< 10.000	< 10.000	5800.000
03F302 (B1)	04/20/89	27.000	0.600	14.000	13.000		< 0.200	100.000	< 1.000	0.700	0.700	1.600	4500.000
03F302 (B1)	07/19/89	44.000	< 20.000	22.000	< 20.000		< 20.000	120.000	< 100.000	< 20.000	< 20.000	< 20.000	2700.000
03F302 (B1)	10/24/89	62.000	< 20.000	< 20.000	< 20.000		< 20.000	67.000	< 100.000	< 20.000	< 20.000	< 20.000	2300.000
03F302 (B1)	01/18/90	43.000	< 20.000	< 20.000	< 20.000		< 20.000	91.000	< 100.000	< 20.000	< 20.000	< 20.000	2100.000
03F302 (B1)	01/18/90	56.000	< 20.000	< 20.000	< 20.000		< 20.000	110.000	< 100.000	< 20.000	< 20.000	< 20.000	2700.000
03F302 (B1)	05/08/90	3.600	< 0.500	2.200	2.400		< 0.500	28.000	< 0.500	< 0.500	< 0.500	< 0.500	1300.000
03F302 (B1)	07/13/90	83.000	< 25.000	23.000	18.000		< 5.000	120.000	< 38.000	< 12.000	< 7.500	< 25.000	1900.000
03F302 (B1)	07/13/90	85.000	< 25.000	22.000	18.000		< 5.000	120.000	< 38.000	< 12.000	< 7.500	< 25.000	1900.000
03F302 (B1)	12/19/90	< 1.000	< 1.000	< 1.000	< 0.780	73.000	< 0.500		< 1.900	< 0.720		< 1.000	1800.000
03F302 (B1)	03/19/91	< 50.000	< 50.000	< 50.000	< 39.000	42.000	< 25.000		< 95.000	< 36.000	< 15.000 T	< 50.000	1300.000
03F302 (B1)	06/05/91	< 50.000	< 50.000	< 50.000	< 39.000	42.000	< 25.000		< 95.000	< 36.000	< 15.000 T	< 50.000	1400.000
03F302 (B1)	09/05/91	< 50.000	< 50.000	< 50.000	< 39.000	44.000	< 25.000		< 95.000	< 36.000	< 15.000 R	< 50.000	1300.000
03F302 (B1)	12/04/91	57.000	< 25.000	< 25.000	< 20.000	44.000	< 12.000		< 48.000	< 18.000	< 7.500 R	< 25.000	1200.000
03F302 (B1)	03/06/92	62.000	< 50.000	< 50.000	< 39.000	76.000	< 25.000		< 95.000	< 36.000	< 25.000 R	< 50.000	1200.000
03F302 (B1)	06/05/92	31.000	< 25.000	< 25.000	< 20.000	30.000	< 12.000		< 48.000	< 18.000	< 7.500 T	< 25.000	890.000
03F302 (B1)	09/01/92	90.000	< 50.000	< 50.000	< 39.000	< 25.000	< 25.000		< 95.000	< 36.000		< 50.000	1000.000
03F302 (B1)	03/03/93	45.000	< 20.000	< 20.000	< 16.000	28.000	< 10.000		< 38.000	< 14.000	< 6.000 R	< 20.000	840.000
03F302 (B1)	09/15/93	35.000	< 10.000	< 10.000	9.400	26.000	< 5.000		< 19.000	< 7.200	< 3.000 R	< 10.000	860.000
03F302 (B1)	03/03/94	< 20.000	< 20.000	< 20.000	< 16.000	< 10.000	< 10.000		< 38.000	< 14.000	ND T	< 20.000	430.000
03F302 (B1)	09/07/94	16.000	< 10.000	< 10.000	5.800 1	16.000	< 5.000		< 19.000	< 7.200	ND T	< 10.000	520.000
03F303 (B2)	11/17/87	18.100	< 0.200	9.900	9.000		< 0.200	31.500	< 0.200	9.200	< 0.200	6.700	190.000
03F303 (B2)	12/15/87	19.100	< 0.200	8.100	10.200		< 0.200	28.900	< 0.200	8.900	0.300	8.900	282.000
03F303 (B2)	01/12/88	27.000	< 0.200	11.000	17.000		< 0.200	60.000	< 0.200	11.000	< 0.200	15.000	375.000
03F303 (B2)	04/28/88	18.500	< 0.200	8.200	10.300		< 0.200	41.900	< 0.200	< 0.200	< 0.200	10.700	274.000
03F303 (B2)	07/19/88	28.000	< 0.200	5.000	13.000		< 0.200	48.000	< 0.200	< 0.200	< 0.200	18.000	700.000
03F303 (B2)	10/21/88	22.000	< 0.500	5.200	7.600		< 1.000	32.000	< 0.500	< 0.500	< 0.500	14.000	1000.000
03F303 (B2)	03/16/89	< 10.000	< 10.000	< 10.000	< 10.000		< 10.000	< 10.000	< 10.000	61.000	< 10.000	11.000	1200.000
03F303 (B2)	04/20/89	14.000	< 0.200	6.900	5.700		< 0.200	38.000	< 1.000	0.800	0.300	11.000	1100.000
03F303 (B2)	07/19/89	20.000	< 4.000	9.000	6.800		< 4.000	48.000	< 20.000	< 4.000	< 4.000	17.000	860.000

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C12DCE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
03F303 (B2)	10/24/89	19.000	< 5.000	< 5.000	< 5.000		< 5.000	28.000	< 25.000	< 5.000	< 5.000	12.000	850.000
03F303 (B2)	01/18/90	24.000	< 5.000	6.200	< 5.000		< 5.000	33.000	< 25.000	< 5.000	< 5.000	8.600	650.000
03F303 (B2)	05/08/90	15.000	< 0.500	5.500	4.500		< 0.500	20.000	< 0.500	< 0.500	< 0.500	8.600	700.000
03F303 (B2)	07/13/90	24.000	< 5.000	6.900	5.900		< 1.000	29.000	< 7.500	< 2.500	< 1.500	11.000	510.000
03F303 (B2)	12/19/90	12.000	< 1.000	< 1.000	< 0.780	18.000	< 0.500		< 1.900	< 0.720		< 1.000	320.000
03F303 (B2)	03/19/91	16.000	< 10.000	< 10.000	< 7.800	17.000	< 5.000		< 19.000	< 7.200	< 3.000 T	< 10.000	380.000
03F303 (B2)	06/05/91	13.000	< 10.000	< 10.000	< 7.800	15.000	< 5.000		< 19.000	< 7.200	< 15.000 T	< 10.000	350.000
03F303 (B2)	09/05/91	< 20.000	< 20.000	< 20.000	< 16.000	14.000	< 10.000		< 38.000	< 14.000	< 6.000 R	< 20.000	360.000
03F303 (B2)	12/04/91	14.000	< 5.000	< 5.000	< 3.900	15.000	< 2.500		< 9.500	< 3.600	< 1.500 R	< 5.000	360.000
03F303 (B2)	03/06/92	18.000	< 10.000	< 10.000	< 7.800	15.000	< 5.000		< 19.000	< 7.200	< 5.000 R	< 10.000	400.000
03F303 (B2)	06/05/92	15.000	< 10.000	< 10.000	< 7.800	13.000	< 5.000		< 19.000	< 7.200	< 3.000 T	< 10.000	390.000
03F303 (B2)	09/01/92	32.000	< 20.000	< 20.000	< 15.600	11.000	< 10.000		< 38.000	< 14.400		< 20.000	400.000
03F303 (B2)	03/03/93	21.000	< 5.000	5.900	< 3.900	10.000	< 2.500		< 9.500	< 3.600	< 1.500 R	6.100	340.000
03F303 (B2)	09/15/93	33.000	< 5.000	< 5.000	< 3.900	7.600	< 2.500		< 9.500	< 3.600	< 1.500 R	6.100	350.000
03F303 (B2)	09/15/93	41.000 D	< 10.000 D	< 10.000 D	< 7.800 D	9.800 D	< 5.000 D		< 19.000 D	< 7.200 D	< 3.000 RD	< 10.000 D	390.000 D
03F303 (B2)	03/03/94	48.000	< 10.000	< 10.000	< 7.800	< 5.000	< 5.000		< 19.000	< 7.200	ND T	< 10.000	250.000
03F303 (B2)	09/07/94	41.000	2.500	9.300	4.600	4.600	1.300		< 3.800	0.780 1	ND T	5.100	160.000
03F303 (B2)	09/07/94	41.000 D	2.500 D	8.600 D	4.600 D	4.600 D	1.200 D		< 3.800 D	< 1.400 D	ND DT	4.900 D	180.000 D
03F304 (B3)	11/17/87	< 0.200	< 0.200	< 0.200	< 0.200		< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	5.100
03F304 (B3)	12/15/87	< 0.200	< 0.200	< 0.200	< 0.200		< 0.200	1.110	< 0.200	0.390	< 0.200	< 0.200	8.330
03F304 (B3)	01/12/88	< 0.200	< 0.200	< 0.200	< 0.200		< 0.200	1.100	< 0.200	< 0.200	< 0.200	< 0.200	8.200
03F304 (B3)	04/28/88	0.860	< 0.200	< 0.200	< 0.200		< 0.200	1.160	< 0.200	< 0.200	< 0.200	< 0.200	6.620
03F304 (B3)	07/19/88	< 0.200	< 0.200	< 0.200	< 0.200		< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	9.500
03F304 (B3)	03/16/89	< 1.000	< 1.000	< 1.000	< 1.000		< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	6.000
03F304 (B3)	04/20/89	0.200	< 0.200	< 0.300	0.200		< 0.200	0.500	< 1.000	< 0.200	< 0.200	< 0.200	11.000
03F304 (B3)	07/19/89	< 0.200	< 0.200	0.200	< 0.200		< 1.000	0.400	< 5.000	< 1.000	< 0.200	< 0.200	4.600
03F304 (B3)	10/24/89	0.500	< 0.200	< 0.200	< 0.200		< 0.200	< 0.200	< 1.000	< 0.200	< 0.200	< 0.200	5.400
03F304 (B3)	01/18/90	0.700	0.400	< 0.200	< 0.200		< 0.200	0.400	< 1.000	< 0.200	< 0.200	< 0.200	5.100
03F304 (B3)	05/08/90	1.800	1.300	< 0.500	< 0.500		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	6.700
03F304 (B3)	07/13/90	5.900	1.100	0.400	0.200		< 0.200	< 0.500	< 1.500	< 0.500	< 0.300	< 1.000	7.300
03F304 (B3)	12/19/90	6.440	1.530	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	5.410
03F304 (B3)	03/19/91	9.820	1.620	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	8.340
03F304 (B3)	06/05/91	8.800	1.960	1.780	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	9.420
03F304 (B3)	06/05/91	8.210	2.030	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	8.000
03F304 (B3)	09/05/91	8.320	1.820	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	7.830
03F304 (B3)	12/04/90	12.400	1.710	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	7.280

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C12DCE*	*C2H3CL*	*CHCL3*	*TI2DCE*	*TCLEE*	*TRCLE*
03F304 (B3)	03/06/92	17.300	1.610	1.090	0.918	< 0.500	< 0.500		< 1.900	< 0.720	< 0.500 R	< 1.000	7.300
03F304 (B3)	06/05/92	24.300	1.530 D	2.410	1.050 D	< 0.500 D	< 0.500 D		< 1.900	< 0.720 D	< 0.300 R	< 1.000	7.520 D
03F304 (B3)	06/05/92	22.300 D	1.430	2.400 D	1.120	< 0.500	1.050		< 1.900 D	< 0.720	< 0.300 T	< 1.000 D	8.280
03F304 (B3)	09/01/92	21.900	1.740	2.840	1.190	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	6.220
03F304 (B3)	09/01/92	23.100 D	1.510 D	2.900 D	1.100 D	< 0.500 D	< 0.500 D		< 1.900 D	< 0.720 D		< 1.000 D	6.830 D
03F304 (B3)	03/03/93	25.800	1.270	3.500	1.870	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	7.480
03F304 (B3)	03/03/93	28.400 D	1.300 D	3.430 D	1.940 D	< 0.500 D	< 0.500 D		< 1.900 D	< 0.720 D	< 0.300 RD	< 1.000 D	8.840 D
03F304 (B3)	09/15/93	40.100	1.190	4.780	2.510	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	12.100
03F304 (B3)	03/03/94	39.200	< 1.000	5.470	2.740	< 0.500	0.715		< 1.900	< 0.720	ND T	< 1.000	17.600
03F304 (B3)	09/07/94	38.200	1.050	8.940	3.980	0.466 1	0.965		< 1.900	< 0.720	ND T	< 1.000	31.500
03F305 (B4)	11/17/87	17.600	2.400	2.200	2.000		< 0.200	0.800	< 0.200	0.400	< 0.200	0.800	22.900
03F305 (B4)	12/15/87	31.000	3.100	4.100	6.140		< 0.200	1.550	< 0.200	0.470	< 0.200	1.100	54.000
03F305 (B4)	01/12/88	39.000	2.300	3.600	5.500		< 0.200	1.600	< 0.200	0.750	< 0.200	0.860	61.000
03F305 (B4)	04/28/88	34.900	1.860	4.190	2.490		< 0.200	1.380	< 0.200	< 0.200	< 0.200	0.820	26.300
03F305 (B4)	07/19/88	85.000	8.600	2.400	1.800		< 0.200	0.730	< 0.200	< 0.200	< 0.200	6.500	38.000
03F305 (B4)	03/16/89	68.000	1.800	8.200	14.000		1.300	< 1.000	< 1.000	1.900	11.000	2.000	68.000
03F305 (B4)	04/20/89	58.000	1.600	15.000	19.000		< 0.200	3.300	< 1.000	0.400	< 0.200	1.400	100.000
03F305 (B4)	07/19/89	110.000	2.600	49.000	34.000		< 1.000	7.800	< 5.000	< 1.000	< 1.000	1.300	140.000
03F305 (B4)	10/23/89	240.000	< 2.000	77.000	67.000		< 2.000	13.000	< 10.000	< 2.000	< 2.000	< 2.000	430.000
03F305 (B4)	01/18/90	330.000	< 4.000	79.000	110.000		< 4.000	26.000	< 20.000	< 4.000	< 4.000	< 4.000	590.000
03F305 (B4)	05/08/90	460.000	2.300	130.000	100.000		1.500	22.000	< 0.500	1.200	< 0.500	0.600	1200.000
03F305 (B4)	05/08/90	500.000	2.300	140.000	90.000		1.600	23.000	< 0.500	1.200	< 0.500	0.600	1100.000
03F305 (B4)	07/13/90	770.000	< 20.000	210.000	170.000		< 4.000	46.000	< 30.000	< 10.000	< 6.000	< 20.000	1600.000
03F305 (B4)	12/19/90	750.000	< 1.000	120.000	150.000	52.000	< 0.500		< 1.900	< 0.720		< 1.000	1800.000
03F305 (B4)	03/19/91	980.000	< 50.000	170.000	160.000	44.000	< 25.000		< 95.000	< 36.000	< 15.000 T	< 50.000	2100.000
03F305 (B4)	03/19/91	980.000	< 50.000	170.000	160.000	42.000	< 25.000		< 95.000	< 36.000	< 15.000 T	< 50.000	2100.000
03F305 (B4)	06/05/91	930.000	< 50.000	150.000	160.000	49.000	< 25.000		< 95.000	< 36.000	< 15.000 T	< 50.000	2100.000
03F305 (B4)	09/05/91	970.000	< 100.000	120.000	170.000	62.000	< 50.000		< 190.000	< 72.000	< 30.000 R	< 100.000	2400.000
03F305 (B4)	09/05/91	880.000	< 100.000	110.000	160.000	< 50.000	< 50.000		< 190.000	< 72.000	< 30.000 R	< 100.000	2900.000
03F305 (B4)	12/04/91	1100.000	< 50.000	140.000	170.000	60.000	< 25.000		< 95.000	< 36.000	< 15.000 R	< 50.000	2800.000
03F305 (B4)	03/06/92	950.000	< 100.000	120.000	170.000	60.000	< 50.000		< 190.000	< 72.000	< 50.000 R	< 100.000	2600.000
03F305 (B4)	06/05/92	910.000	< 100.000	160.000	170.000	< 50.000	< 50.000		< 190.000	< 72.000	< 30.000 T	< 100.000	2700.000
03F305 (B4)	09/01/92	1300.000	4.380	200.000	210.000	62.000	6.000		< 1.900	2.830		8.520	2800.000
03F305 (B4)	03/03/93	1100.000	< 50.000	140.000	170.000	65.000	< 25.000		< 95.000	< 36.000	< 15.000 R	< 50.000	2600.000
03F305 (B4)	09/15/93	940.000	< 100.000	140.000	150.000	58.000	< 50.000		< 190.000	< 72.000	< 30.000 R	< 100.000	2700.000
03F305 (B4)	03/03/94	910.000	< 100.000	< 100.000	130.000	< 50.000	< 50.000		< 190.000	< 72.000	ND T	< 100.000	2800.000

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C12DCE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
03F305 (B4)	09/07/94	820.000	< 50.000	160.000	160.000	65.000	< 25.000		< 95.000	< 36.000	ND T	< 50.000	2600.000
03F306 (B5)	11/17/87	845.000	1.300	130.000	90.000		2.500	17.000	0.200	15.800	< 0.200	0.400	1500.000
03F306 (B5)	12/15/87	1150.000	1.460	48.800	143.000		4.400	27.400	< 0.200	15.300	0.600	0.360	2130.000
03F306 (B5)	01/12/88	1220.000	< 4.000	171.000	185.000		< 4.000	5.700	< 4.000	9.200	< 4.000	< 4.000	2420.000
03F306 (B5)	04/28/88	100.000	< 0.200	160.000	120.000		< 0.200	38.000	< 0.200	< 0.200	< 0.200	< 0.200	530.000
03F306 (B5)	07/19/88	1500.000	3.800	135.000	236.000		8.000	34.000	< 0.200	< 0.200	< 0.200	< 0.200	2920.000
03F306 (B5)	10/21/88	475.000	2.000	90.000	55.000		< 1.000	25.000	< 0.500	2.000	< 0.500	1.100	1400.000
03F306 (B5)	03/16/89	1200.000	< 10.000	170.000	150.000		< 10.000	33.000	< 10.000	< 10.000	< 10.000	< 10.000	2800.000
03F306 (B5)	04/20/89	1400.000	1.000	330.000	200.000		3.100	100.000	1.300	0.900	0.400	0.800	2700.000
03F306 (B5)	07/19/89	800.000	< 5.000	300.000	130.000		< 5.000	30.000	< 25.000	< 5.000	< 5.000	< 5.000	2200.000
03F306 (B5)	10/23/89	940.000	< 20.000	290.000	130.000		< 20.000	< 20.000	< 100.000	< 20.000	< 20.000	< 20.000	2700.000
03F306 (B5)	01/18/90	1200.000	< 40.000	220.000	170.000		< 40.000	< 40.000	< 200.000	< 40.000	< 40.000	< 40.000	3300.000
03F306 (B5)	05/08/90	1100.000	2.400	250.000	120.000		3.300	33.000	< 0.500	2.200	< 0.500	1.400	4200.000
03F306 (B5)	07/13/90	1400.000	< 50.000	350.000	200.000		< 10.000	32.000	< 75.000	< 25.000	< 15.000	< 50.000	4900.000
03F306 (B5)	07/13/90	1500.000	< 50.000	340.000	190.000		< 10.000	33.000	< 75.000	< 25.000	< 15.000	< 50.000	4700.000
03F306 (B5)	12/19/90	1400.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	6400.000
03F306 (B5)	03/19/91	1600.000	< 250.000	< 250.000	< 200.000	< 120.000	< 120.000		< 480.000	< 180.000	< 75.000 T	< 250.000	7000.000
03F306 (B5)	06/05/91	1600.000	< 200.000	< 200.000	< 160.000	< 100.000	< 100.000		< 380.000	< 140.000	< 60.000 T	< 200.000	6400.000
03F306 (B5)	09/05/91	1500.000	< 250.000	< 250.000	< 200.000	< 120.000	< 120.000		< 480.000	< 180.000	< 75.000 R	< 250.000	7200.000
03F306 (B5)	12/04/91	1900.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000		< 950.000	< 360.000	< 150.000 R	< 500.000	7500.000
03F306 (B5)	03/06/92	1400.000	< 200.000	< 200.000	< 160.000	< 100.000	< 100.000		< 380.000	< 140.000	< 100.000 R	< 200.000	6900.000
03F306 (B5)	06/05/92	1300.000	< 200.000	< 200.000	< 160.000	< 100.000	< 100.000		< 380.000	< 140.000	< 60.000 T	< 200.000	6400.000
03F306 (B5)	09/01/92	1900.000	10.200	200.000	95.000	28.400	< 0.500		< 1.900	3.280		17.200	7500.000
03F306 (B5)	03/03/93	1800.000	< 100.000	170.000	95.000	< 50.000	< 50.000		< 190.000	< 72.000	< 30.000 R	< 100.000	7300.000
03F306 (B5)	09/15/93	1400.000	< 100.000	130.000	< 78.000	< 50.000	< 50.000		< 190.000	< 72.000	< 30.000 R	< 100.000	7500.000
03F306 (B5)	03/03/94	1100.000	< 200.000	< 200.000	< 160.000	< 100.000	< 100.000		< 380.000	< 140.000	ND T	< 200.000	4900.000
03F306 (B5)	03/03/94	1200.000 D	< 200.000 D	< 200.000 D	< 160.000 D	< 100.000 D	< 100.000 D		< 380.000 D	< 140.000 D	ND DT	< 200.000 D	5600.000 D
03F306 (B5)	09/07/94	820.000	< 100.000	140.000	71.000	< 50.000	< 50.000		< 190.000	< 72.000	ND T	< 100.000	4900.000
03F307 (B6)	11/17/87	480.000	3.000	60.000	48.000		< 0.200	18.000	< 0.200	< 0.200	< 0.200	3.000	2370.000
03F307 (B6)	12/15/87	90.800	1.800	110.000	45.000		4.100	16.300	< 0.200	13.100	0.400	1.700	3270.000
03F307 (B6)	01/12/88	786.000	< 4.000	61.400	103.000		< 4.000	27.000	< 4.000	131.000	< 4.000	< 4.000	3300.000
03F307 (B6)	04/28/88	550.000	< 4.000	100.000	75.000		< 4.000	31.000	< 4.000	< 4.000	< 4.000	< 4.000	3400.000
03F307 (B6)	07/19/88	887.000	2.000	76.000	66.000		5.000	22.000	< 0.200	< 0.200	< 0.200	2.300	2860.000
03F307 (B6)	10/21/88	400.000	1.200	55.000	70.000		3.200	18.000	< 0.500	2.000	< 0.500	1.500	3200.000
03F307 (B6)	03/16/89	900.000	< 10.000	64.000	98.000		< 10.000	59.000	< 10.000	< 10.000	< 10.000	< 10.000	4170.000

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C12DCE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
03F307 (B6)	04/20/89	530.000	2.000	150.000	83.000		3.900	23.000	1.000	0.600	0.200	2.200	3600.000
03F307 (B6)	07/19/89	620.000	< 4.000	210.000	100.000		< 4.000	25.000	< 20.000	< 4.000	< 4.000	< 4.000	2400.000
03F307 (B6)	07/19/89	640.000	< 4.000	200.000	100.000		< 4.000	25.000	< 20.000	< 4.000	< 4.000	< 4.000	2400.000
03F307 (B6)	10/23/89	590.000	< 20.000	170.000	82.000		< 20.000	< 20.000	< 100.000	< 20.000	< 20.000	< 20.000	3300.000
03F307 (B6)	01/19/90	570.000	< 20.000	91.000	110.000		< 20.000	20.000	< 100.000	< 20.000	< 20.000	< 20.000	2700.000
03F307 (B6)	05/08/90	550.000	2.300	130.000	80.000		3.400	22.000	< 0.500	1.200	< 0.500	1.500	3200.000
03F307 (B6)	07/13/90	570.000	< 50.000	160.000	130.000		< 10.000	< 25.000	< 75.000	< 25.000	< 15.000	< 50.000	2800.000
03F307 (B6)	12/19/90	1400.000	1000.000	900.000	110.000	< 0.500	480.000		< 1.900	< 0.720		< 1.000	2900.000
03F307 (B6)	12/19/90	410.000	1100.000	< 1.000	120.000	550.000	480.000		< 1.900	< 0.720		1100.000	3400.000
03F307 (B6)	12/19/90	1500.000	< 1.000	910.000	110.000	580.000	< 0.500		< 1.900	< 0.720		1100.000	3500.000
03F307 (B6)	03/19/91	470.000	< 100.000	< 100.000	91.000	< 50.000	< 50.000		< 190.000	< 72.000	< 30.000 T	< 100.000	2900.000
03F307 (B6)	06/06/91	340.000	< 100.000	< 100.000	94.000	< 50.000	< 50.000		< 190.000	< 72.000	< 30.000 T	< 100.000	2500.000
03F307 (B6)	09/05/91	360.000	< 100.000	< 100.000	86.000	< 50.000	< 50.000		< 190.000	< 72.000	< 30.000 R	< 100.000	2700.000
03F307 (B6)	12/04/91	400.000	< 100.000	< 100.000	84.000	< 50.000	< 50.000		< 190.000	< 72.000	< 30.000 R	< 100.000	2700.000
03F307 (B6)	03/06/92	310.000	< 100.000 D	< 50.000	79.000	< 25.000	< 25.000		< 190.000 D	< 36.000	< 50.000 R	< 50.000	2700.000 D
03F307 (B6)	03/06/92	360.000 D	< 50.000	< 100.000 D	86.000 D	< 50.000 D	< 50.000 D		< 95.000	< 72.000 D	< 25.000 R	< 100.000 D	2500.000
03F307 (B6)	06/05/92	290.000	< 50.000	70.000	84.000	< 25.000	< 25.000		< 95.000	< 36.000	< 15.000 T	< 50.000	2400.000
03F307 (B6)	09/01/92	410.000	< 50.000	65.000	80.000	< 25.000	< 25.000		< 95.000	< 36.000		< 50.000	2400.000
03F307 (B6)	03/03/93	360.000	< 50.000	81.000	84.000	< 25.000	< 25.000		< 95.000	< 36.000	< 15.000 R	< 50.000	2100.000
03F307 (B6)	09/15/94	350.000	< 50.000	< 50.000	53.000	< 25.000	< 25.000		< 95.000	< 36.000	< 15.000 R	< 50.000	2400.000
03F307 (B6)	03/03/94	210.000	< 50.000	< 50.000	< 39.000	< 25.000	< 25.000		< 95.000	< 36.000	ND T	< 50.000	1600.000
03F307 (B6)	09/07/94	120.000	< 20.000	39.000	42.000	7.600 1	< 10.000		< 38.000	< 14.000	ND T	< 20.000	1400.000
03F308 (B7)	03/16/89	15.000	< 5.000	< 5.000	< 5.000		< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	75.000
03F308 (B7)	04/20/89	5.000	< 0.200	< 1.700	1.300		< 0.200	0.300	< 1.000	< 0.200	< 0.200	< 0.200	44.000
03F308 (B7)	07/19/89	4.500	< 0.200	1.400	0.800		< 0.200	0.300	< 1.000	< 0.200	< 0.200	< 0.200	29.000
03F308 (B7)	10/23/89	5.300	< 0.200	1.100	0.800		< 0.200	< 0.200	< 1.000	< 0.200	< 0.200	< 0.200	32.000
03F308 (B7)	01/19/90	4.000	< 0.200	0.500	0.700		< 0.200	< 0.200	< 1.000	< 0.200	< 0.200	< 0.200	22.000
03F308 (B7)	05/08/90	2.400	< 0.500	< 0.500	< 0.500		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	23.000
03F308 (B7)	07/13/90	2.900	< 1.000	0.300	0.400		< 0.200	< 0.500	< 1.500	< 0.500	< 0.300	< 1.000	20.000
03F308 (B7)	12/19/90	1.380	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	16.300
03F308 (B7)	12/19/90	1.390	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	17.400
03F308 (B7)	03/19/91	1.370	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	13.200
03F308 (B7)	06/06/91	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	8.220
03F308 (B7)	09/05/91	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	12.700
03F308 (B7)	12/04/91	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	10.700
03F308 (B7)	03/06/92	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.500 R	< 1.000	11.000

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C12DCE*	*C2H3CL*	*CHCL3*	*T12DCE*		*TCLEE*	*TRCLE*	
03F308 (B7)	06/05/92	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300	T	< 1.000	8.520	
03F308 (B7)	09/01/92	1.790	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720			< 1.000	8.570	
03F308 (B7)	03/03/93	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300	R	< 1.000	9.730	
03F308 (B7)	09/15/93	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300	R	< 1.000	7.780	
03F308 (B7)	03/03/94	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	ND	T	< 1.000	5.410	
03F308 (B7)	09/07/94	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	0.948		< 1.900	< 0.720	ND	T	< 1.000	5.210	
PJ#309 (B8)	11/18/88	0.000	< 0.000	0.000	0.000		0.000	0.000	< 0.000	< 0.000	< 0.000		< 0.000	0.000	
PJ#309 (B8)	03/16/89	63.000	< 1.000	13.000	22.000		< 1.000	6.300	< 1.000	< 1.000	< 1.000		< 1.000	200.000	
PJ#309 (B8)	04/20/89	45.000	< 0.200	13.000	19.000		< 0.200	4.000	< 1.000	0.500	< 0.200		< 0.200	320.000	
PJ#309 (B8)	07/19/89	48.000	< 1.000	22.000	20.000		< 1.000	5.300	< 5.000	< 1.000	< 1.000		< 1.000	190.000	
PJ#309 (B8)	10/23/89	68.000	< 2.000	21.000	28.000		< 2.000	4.100	< 10.000	< 2.000	< 2.000		< 2.000	270.000	
PJ#309 (B8)	01/18/90	68.000	< 2.000	21.000	37.000		< 2.000	7.700	< 10.000	< 2.000	< 2.000		< 2.000	260.000	
PJ#309 (B8)	05/08/90	52.000	< 0.500	15.000	18.000		< 0.500	5.300	< 0.500	< 0.500	< 0.500		< 0.500	280.000	
PJ#309 (B8)	07/13/90	57.000	< 2.500	23.000	30.000		< 0.500	8.400	< 3.800	< 1.200	< 0.800		< 2.500	250.000	
PJ#309 (B8)	12/19/90	36.000	< 1.000	< 1.000	18.000	< 0.500	< 0.500		< 1.900	< 0.720			< 1.000	220.000	
PJ#309 (B8)	03/19/91	51.000	< 5.000	12.000	19.000	4.200	< 2.500		< 9.500	< 3.600	< 1.500	T	< 5.000	260.000	
PJ#309 (B8)	06/05/91	61.000	< 10.000	18.000	22.000	5.400	< 5.000		< 19.000	< 7.200	< 3.000	T	< 10.000	300.000	
PJ#309 (B8)	09/05/91	47.000	< 10.000	< 10.000	15.000	< 5.000	< 5.000		< 19.000	< 7.200	< 3.000	R	< 10.000	260.000	
PJ#309 (B8)	12/04/91	48.000	< 10.000	< 10.000	14.000	< 5.000	< 5.000		< 19.000	< 7.200	< 3.000	R	< 10.000	210.000	
PJ#309 (B8)	03/06/92	28.000	< 5.000	< 5.000	10.000	< 2.500	< 2.500		< 9.500	< 3.600	< 2.500	R	< 5.000	160.000	
PJ#309 (B8)	06/05/92	24.000	< 5.000	5.900	8.400	< 2.500	< 2.500		< 9.500	< 3.600	< 1.500	T	< 5.000	140.000	
PJ#309 (B8)	09/01/92	27.300	< 1.000	5.690	9.730	2.040	< 0.500		< 1.900	< 0.720			< 1.000	150.000	
PJ#309 (B8)	03/03/93	18.000	< 2.000	4.300	7.400	2.100	< 1.000		< 3.800	< 1.400	< 0.600	R	< 2.000	130.000	
PJ#309 (B8)	09/15/93	17.000	< 2.000	3.000	6.300	1.400	< 1.000		< 3.800	< 1.400	< 0.600	R	< 2.000	110.000	X
PJ#309 (B8)	03/03/94	11.200	< 1.000	2.500	4.780	0.841	< 0.500		< 1.900	< 0.720	ND	T	< 1.000	92.000	
PJ#309 (B8)	09/07/94	8.160	< 1.000	2.630	3.690	0.969	0.864		< 1.900	< 0.720	ND	T	< 1.000	73.000	
PJ#310 (B9)	03/19/89	180.000	< 1.000	38.000	48.000		5.400	10.000	< 1.000	< 1.000	< 1.000		< 1.000	470.000	
PJ#310 (B9)	04/20/89	150.000	0.200	47.000	30.000		0.600	8.200	< 1.000	0.400	< 0.200		< 0.200	700.000	
PJ#310 (B9)	07/19/89	240.000	< 2.000	74.000	46.000		< 2.000	11.000	< 10.000	< 2.000	< 2.000		< 2.000	480.000	
PJ#310 (B9)	10/11/89	220.000	< 2.000	63.000	35.000		< 2.000	5.600	< 10.000	< 2.000	< 2.000		< 2.000	560.000	
PJ#310 (B9)	01/19/90	230.000	< 0.200	46.000	47.000		< 0.200	9.800	< 1.000	< 0.200	< 0.200		< 0.200	630.000	
PJ#310 (B9)	05/08/90	140.000	< 0.500	36.000	24.000		0.600	6.700	< 0.500	< 0.500	< 0.500		< 0.500	500.000	
PJ#310 (B9)	07/13/90	240.000	< 10.000	65.000	54.000		< 2.000	10.000	< 15.000	< 5.000	< 3.000		< 10.000	690.000	
PJ#310 (B9)	12/19/90	160.000	< 1.000	27.000	34.000	< 0.500	< 0.500		< 1.900	< 0.720			< 1.000	610.000	
PJ#310 (B9)	03/19/91	160.000	< 20.000	26.000	25.000	< 10.000	< 10.000		< 38.000	< 14.000	< 6.000	T	< 20.000	580.000	

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C12DCE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
PJ#310 (B9)	06/06/91	120.000	< 20.000	35.000	23.000	< 10.000	< 10.000		< 38.000	< 14.000	< 6.000 T	< 20.000	470.000
PJ#310 (B9)	09/05/91	140.000	< 25.000	< 25.000	21.000	< 12.000	< 12.000		< 48.000	< 18.000	< 7.500 R	< 25.000	590.000
PJ#310 (B9)	12/04/91	140.000	< 20.000	< 20.000	25.000	< 10.000	< 10.000		< 38.000	< 14.000	< 6.000 R	< 20.000	520.000
PJ#310 (B9)	03/06/92	120.000	< 20.000	< 20.000	25.000	< 10.000	< 10.000		< 38.000	< 14.000	< 10.000 R	< 20.000	520.000
PJ#310 (B9)	06/05/92	110.000	< 10.000	23.000	25.000	6.100	< 5.000		< 19.000	< 7.200	< 3.000 T	< 10.000	540.000
PJ#310 (B9)	09/01/92	220.000	< 50.000	< 50.000	< 39.000	< 25.000	< 25.000		< 95.000	< 36.000		< 50.000	650.000
PJ#310 (B9)	03/03/93	150.000	< 10.000	26.000	31.000	9.200	< 5.000		< 19.000	< 7.200	< 3.000 R	< 10.000	580.000
PJ#310 (B9)	09/15/93	130.000	< 10.000	21.000	22.000	6.000	< 5.000		< 19.000	< 7.200	< 3.000 R	< 10.000	480.000
PJ#310 (B9)	03/03/94	180.000	< 20.000	< 20.000	< 16.000	< 10.000	< 10.000		< 38.000	< 14.000	ND T	< 20.000	450.000
PJ#310 (B9)	09/07/94	71.000	< 10.000	15.000	15.000	4.200	< 5.000		< 19.000	< 7.200	ND T	< 10.000	380.000
PJ#311 (B10)	03/16/89	36.000	< 5.000	< 5.000	< 5.000		< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	150.000
PJ#311 (B10)	04/20/89	16.000	< 0.200	3.300	1.100		< 0.200	0.400	< 1.000	< 0.200	< 0.200	< 0.200	82.000
PJ#311 (B10)	07/19/89	21.000	< 0.400	5.000	1.100		< 0.400	0.600	< 2.000	< 0.400	< 0.400	< 0.400	67.000
PJ#311 (B10)	10/24/89	15.000	< 0.400	3.200	< 0.400		< 0.400	< 0.400	< 2.000	< 0.400	< 0.400	< 0.400	52.000
PJ#311 (B10)	01/19/90	13.000	< 0.400	1.400	0.900		< 0.400	< 0.400	< 2.000	< 0.400	< 0.400	< 0.400	47.000
PJ#311 (B10)	05/08/90	4.000	< 0.500	< 0.500	< 0.500		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	17.000
PJ#311 (B10)	07/13/90	8.400	< 1.000	1.900	0.600		< 0.200	< 0.500	< 1.500	< 0.500	< 0.300	< 1.000	30.000
PJ#311 (B10)	12/19/90	5.810	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	30.900
PJ#311 (B10)	03/19/91	58.700	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	24.800
PJ#311 (B10)	06/06/91	4.960	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	25.000
PJ#311 (B10)	06/06/91	4.880	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	24.800
PJ#311 (B10)	09/05/91	4.680	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	25.100
PJ#311 (B10)	12/04/91	6.690	< 1.000	< 1.000	< 0.780	1.020	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	25.400
PJ#311 (B10)	03/06/92	4.970	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.500 R	< 1.000	25.200
PJ#311 (B10)	06/05/92	4.140	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	23.600
PJ#311 (B10)	09/01/92	5.430	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	19.500
PJ#311 (B10)	03/03/93	4.240	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	19.600
PJ#311 (B10)	09/15/93	4.470	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	21.700
PJ#311 (B10)	03/03/94	4.020	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	ND T	< 1.000	19.200
PJ#311 (B10)	09/07/94	3.050	< 1.000	0.636	1 < 0.780	< 0.500	0.782		< 1.900	< 0.720	ND T	< 1.000	22.600
03F312 (B11)	12/19/88	< 0.000	< 0.000	< 0.000	< 0.000		< 0.000	< 0.000	< 0.000	< 0.000	< 0.000	< 0.000	< 0.000
03F312 (B11)	03/16/89	< 1.000	< 1.000	< 1.000	< 1.000		< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	1.300
03F312 (B11)	04/20/89	1.700	< 0.200	< 0.600	0.800		< 0.200	0.300	< 1.000	< 0.200	< 0.200	< 0.200	5.000
03F312 (B11)	07/19/89	3.600	< 0.200	1.900	2.800		< 0.200	0.800	< 1.000	< 0.200	< 0.200	< 0.200	10.000
03F312 (B11)	10/24/89	3.700	< 0.200	2.100	3.700		< 0.200	1.700	< 1.000	< 0.200	< 0.200	< 0.200	31.000

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C12DCE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
03F312 (B11)	01/18/90	3.200	< 0.200	2.100	4.300		< 0.200	2.300	< 1.000	< 0.200	< 0.200	< 0.200	26.000
03F312 (B11)	05/08/90	1.200	< 0.500	1.200	2.400		< 0.500	1.100	< 0.500	< 0.500	< 0.500	< 0.500	22.000
03F312 (B11)	07/13/90	2.200	< 1.000	2.700	4.500		< 0.200	2.500	< 1.500	< 0.500	< 0.300	< 1.000	20.000
03F312 (B11)	12/19/90	< 1.000	< 1.000	1.190	2.590	1.540	< 0.500		< 1.900	< 0.720		< 1.000	17.900
03F312 (B11)	03/19/91	< 1.000	< 1.000	1.210	2.540	1.310	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	17.000
03F312 (B11)	06/05/91	< 1.000	< 1.000	< 1.000	2.130	1.470	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	18.400
03F312 (B11)	09/05/91	< 1.000	< 1.000	< 1.000	2.320	1.450	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	21.800
03F312 (B11)	09/05/91	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	< 0.500
03F312 (B11)	12/04/91	< 1.000	< 1.000	< 1.000	2.020	1.050	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	18.100
03F312 (B11)	03/06/92	< 1.000	< 1.000	< 1.000	1.930	1.130 D	< 0.500		< 1.900	< 0.720	< 0.500 R	< 1.000	16.800 D
03F312 (B11)	03/06/92	< 1.000 D	< 1.000 D	< 1.000 D	1.890 D	1.160	< 0.500 D		< 1.900 D	< 0.720 D	< 0.500 R	< 1.000 D	17.600
03F312 (B11)	06/05/92	< 1.000	< 1.000	< 1.000	1.700	0.961	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	19.300
03F312 (B11)	09/01/92	1.080	< 1.000	< 1.000	1.570	0.863	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	20.600
03F312 (B11)	03/03/93	< 1.000	< 1.000	< 1.000	1.310	0.820	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	16.700
03F312 (B11)	09/15/93	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	14.900
03F312 (B11)	03/03/94	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	ND T	< 1.000	16.100
03F312 (B11)	09/07/94	< 1.000	< 1.000	< 1.000	0.585 1	0.363 1	0.855		< 1.900	< 0.720	ND T	< 1.000	13.600
PJ#313 (B12)	03/16/89	3.300	< 1.000	< 1.000	< 1.000		< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	18.000
PJ#313 (B12)	04/20/89	2.900	< 0.200	< 1.000	0.900		< 0.200	< 0.200	< 1.000	< 0.200	< 0.200	< 0.200	27.000
PJ#313 (B12)	07/19/89	7.700	< 0.200	2.100	0.500		< 0.200	< 0.200	< 1.000	0.400	< 0.200	< 0.200	25.000
PJ#313 (B12)	10/23/89	3.000	< 0.200	0.600	0.400		< 0.200	< 0.200	< 1.000	< 0.200	< 0.200	< 0.200	15.000
PJ#313 (B12)	01/19/90	2.500	< 0.200	0.300	0.400		< 0.200	< 0.200	< 1.000	< 0.200	< 0.200	< 0.200	14.000
PJ#313 (B12)	05/08/90	1.200	< 0.500	< 0.500	< 0.500		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	17.000
PJ#313 (B12)	07/13/90	1.900	< 1.000	< 0.300	< 0.200		< 0.200	< 0.500	< 1.500	< 0.500	< 0.300	< 1.000	12.000
PJ#313 (B12)	12/19/90	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	10.300
PJ#313 (B12)	03/19/91	1.180	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	9.120
PJ#313 (B12)	06/05/91	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	6.970
PJ#313 (B12)	12/04/91	< 1.000	< 1.000	< 1.000	< 0.780	D < 0.500 D	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	7.550 D
PJ#313 (B12)	12/04/91	< 1.000 D	< 1.000 D	< 1.000 D	< 0.780 D	< 0.500	< 0.500 D		< 1.900 D	< 0.720 D	< 0.300 R	< 1.000 D	7.640
PJ#313 (B12)	03/06/92	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.500 R	< 1.000	5.760
PJ#313 (B12)	06/05/92	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	5.780
PJ#313 (B12)	09/01/92	1.860	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	5.690
PJ#313 (B12)	03/03/93	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	4.950
PJ#313 (B12)	09/15/93	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	4.170
PJ#313 (B12)	03/03/94	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	ND T	< 1.000	4.470
PJ#313 (B12)	09/07/94	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	0.908		< 1.900	< 0.720	ND T	< 1.000	3.840

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
03U301 (SC1)	03/16/89	88.000	< 1.000	11.000	7.600		< 1.000	225.000	< 1.000	< 5.000	4.700	< 1.000	2750.000
03U301 (SC1)	04/20/89	25.000	0.300	18.000	4.000		< 0.200	160.000	< 1.000	0.400	1.100	0.600	1100.000
03U301 (SC1)	07/19/89	61.000	< 5.000	18.000	< 5.000		< 5.000	160.000	< 25.000	< 5.000	< 5.000	< 5.000	1100.000
03U301 (SC1)	10/24/89	120.000	< 40.000	< 40.000	< 40.000		< 40.000	200.000	< 200.000	< 40.000	< 40.000	< 40.000	3000.000
03U301 (SC1)	01/18/90	99.000	< 10.000	< 10.000	< 10.000		< 10.000	160.000	< 50.000	< 10.000	< 10.000	< 10.000	1700.000
03U301 (SC1)	05/08/90	2.200	< 0.500	< 0.500	< 0.500		< 0.500	4.600	< 0.500	< 0.500	< 0.500	< 0.500	57.000
03U301 (SC1)	07/13/90	62.000	< 20.000	8.200	< 4.000		< 4.000	99.000	< 30.000	< 10.000	< 6.000	< 20.000	1200.000
03U301 (SC1)	12/19/90	< 1.000	< 1.000	< 1.000	< 0.780	86.000	< 0.500		< 1.900	< 0.720		< 1.000	1300.000
03U301 (SC1)	03/19/91	72.000	< 50.000	< 50.000	< 39.000	82.000	< 25.000		< 95.000	< 36.000	< 15.000 T	< 50.000	1100.000
03U301 (SC1)	06/04/91	57.000	< 5.000	< 5.000	< 3.900	93.000	< 2.500		< 9.500	< 3.600	< 1.500 T	< 5.000	1000.000
03U301 (SC1)	09/05/91	< 1.000	< 1.000	< 50.000	< 0.780	71.000	< 0.500		< 95.000	< 36.000	< 0.300 R	< 1.000	9.140
03U301 (SC1)	09/05/91	< 50.000	< 50.000	< 1.000	< 39.000	< 0.500	< 25.000		< 1.900	< 0.720	< 15.000 R	< 50.000	1200.000
03U301 (SC1)	12/04/91	76.000	< 20.000	< 20.000	< 16.000	85.000	< 10.000		< 38.000	< 14.000	< 6.000 R	< 20.000	1200.000
03U301 (SC1)	03/06/92	72.000	< 50.000	< 50.000	< 39.000	71.000	< 25.000		< 95.000	< 36.000	< 25.000 R	< 50.000	1200.000
03U301 (SC1)	03/06/92									< 36.000			
03U301 (SC1)	06/05/92	< 50.000	< 50.000	< 50.000	< 39.000	71.000	< 25.000		< 95.000	< 36.000	< 15.000 T	< 50.000	1200.000
03U301 (SC1)	09/01/92	190.000	< 100.000	< 100.000	< 78.000	69.000	< 50.000		< 190.000	< 72.000	< 30.000 T	< 100.000	1400.000
03U301 (SC1)	03/03/93	< 100.000	< 100.000	< 100.000	< 78.000	88.000	< 50.000		< 190.000	< 72.000	< 30.000 R	< 100.000	1500.000
03U301 (SC1)	03/03/93	64.000 D	< 20.000 D	< 20.000 D	< 16.000 D	89.000 D	< 10.000 D		< 38.000 D	< 14.000 D	< 6.000 RD	< 20.000 D	1600.000 D
03U301 (SC1)	09/15/93	72.000	< 50.000	< 50.000	< 39.000	76.000	< 25.000		< 95.000	< 36.000	< 15.000 R	< 50.000	1400.000
03U301 (SC1)	03/03/94	< 50.000	< 50.000	< 50.000	< 39.000	60.000	< 25.000		< 95.000	< 36.000	ND T	< 50.000	1800.000
03U301 (SC1)	03/03/94	< 50.000 D	< 50.000 D	< 50.000 D	< 39.000 D	49.000 D	< 25.000 D		< 95.000 D	< 36.000 D	ND DT	< 50.000 D	1800.000 D
03U301 (SC1)	09/07/94	51.000	< 50.000	< 50.000	< 39.000	100.000	< 25.000		< 95.000	24.000	ND T	< 50.000	1800.000
03U314 (SC2)	01/05/89	10500.000	19.000	850.000	3600.000		59.000	4700.000	16.000	10.000	12.000	< 1.000	37000.000
03U314 (SC2)	03/16/89	5000.000	< 10.000	370.000	950.000		< 10.000	1000.000	< 10.000	< 10.000	< 100.000	< 10.000	12000.000
03U314 (SC2)	04/20/89	3400.000	8.300	630.000	530.000		19.000	610.000	3.500	1.700	2.400	3.000	11000.000
03U314 (SC2)	07/19/89	3500.000	< 40.000	870.000	510.000		< 40.000	730.000	< 200.000	< 40.000	< 40.000	< 40.000	8900.000
03U314 (SC2)	10/24/89	3500.000	< 100.000	< 100.000	< 100.000		< 100.000	< 100.000	< 500.000	< 100.000	< 100.000	< 100.000	8600.000
03U314 (SC2)	01/19/90	2700.000	< 50.000	190.000	410.000		< 50.000	540.000	< 250.000	< 50.000	< 50.000	< 50.000	6500.000
03U314 (SC2)	05/08/90	2200.000	4.800	350.000	300.000		8.400	340.000	< 0.500	3.300	1.400	1.600	6500.000
03U314 (SC2)	07/19/90	2500.000	< 100.000	300.000	360.000		< 20.000	460.000	< 150.000	< 50.000	< 30.000	< 100.000	6300.000
03U314 (SC2)	12/19/90	2100.000	< 1.000	< 1.000	270.000	310.000	< 0.500		< 1.900	< 0.720		< 1.000	6200.000
03U314 (SC2)	03/19/91	2300.000	< 200.000	< 200.000	190.000	200.000	< 100.000		< 380.000	< 140.000	< 60.000 T	< 200.000	5800.000
03U314 (SC2)	03/19/91	2300.000	< 200.000	< 200.000	190.000	210.000	< 100.000		< 380.000	< 140.000	< 60.000 T	< 200.000	5800.000
03U314 (SC2)	06/05/91	2300.000	< 200.000	< 200.000	190.000	200.000	< 100.000		< 380.000	< 140.000	< 60.000 T	< 200.000	6000.000

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		111TCE		112TCE		11DCE		11DCLE		12DCE		12DCLE		C12DCE		C2H3CL		CHCL3		T12DCE		TCLEE		TRCLE	
03U314 (SC2)	09/05/91	1900.000	<	250.000	<	250.000	<	200.000		170.000	<	120.000			<	480.000	<	180.000	<	75.000	R <	250.000		5400.000	
03U314 (SC2)	12/04/91	2600.000	<	100.000		130.000		180.000		170.000	<	50.000			<	190.000	<	72.000	<	30.000	R <	100.000		7100.000	
03U314 (SC2)	12/04/91	2300.000	<	100.000		140.000		200.000		200.000	<	50.000			<	190.000	<	72.000	<	30.000	R <	100.000		7300.000	
03U314 (SC2)	03/06/92	1700.000	<	200.000	<	200.000	<	160.000	<	100.000	<	100.000			<	380.000	<	140.000	<	100.000	R <	200.000		4700.000	
03U314 (SC2)	06/05/92	1400.000	<	200.000	<	200.000	<	160.000	<	100.000	<	100.000			<	380.000	<	140.000	<	60.000	T <	200.000		4300.000	
03U314 (SC2)	09/01/92	2000.000	<	200.000	<	200.000	<	160.000	<	100.000	<	100.000			<	380.000	<	140.000	<	60.000	T <	200.000		4900.000	
03U314 (SC2)	03/03/93	1200.000	<	50.000		86.000		95.000		54.000	<	25.000			<	95.000	<	36.000	<	15.000	R <	50.000		2600.000	
03U314 (SC2)	09/15/93	670.000	<	50.000	<	50.000	<	39.000	<	25.000	<	25.000			<	95.000	<	36.000	<	15.000	R <	50.000		1600.000	
03U314 (SC2)	09/15/93	670.000	D <	50.000	D <	50.000	D <	39.000	D <	25.000	D <	25.000	D		<	95.000	D <	36.000	D <	15.000	RD <	50.000	D	1500.000	D
03U314 (SC2)	03/03/94	570.000	<	50.000	<	50.000	<	39.000	<	25.000	<	25.000			<	95.000	<	36.000		ND	T <	50.000		1300.000	
03U314 (SC2)	09/07/94	450.000	<	1.000		70.000		36.000		13.900		1.860			<	1.900		0.507	1	ND	T <	1.000		1100.000	
03U315 (SC3)	01/05/89	65.000	<	1.000		5.600		5.600			<	1.000	<	1.000	<	1.000	<	1.000	<	1.000	<	1.000		58.000	
03U315 (SC3)	03/16/89	610.000	<	10.000		58.000		44.000				32.000	<	10.000	<	10.000		11.000	<	10.000	<	10.000		870.000	
03U315 (SC3)	04/20/89	490.000	<	0.200		100.000		45.000			<	0.200	<	0.200	<	1.000		0.900	<	0.200	<	0.200		1300.000	
03U315 (SC3)	07/19/89	620.000	<	4.000		150.000		51.000			<	4.000		15.000	<	20.000	<	4.000	<	4.000	<	4.000		940.000	
03U315 (SC3)	10/24/89	890.000	<	10.000		160.000		58.000			<	10.000	<	10.000	<	50.000	<	10.000	<	10.000	<	10.000		1700.000	
03U315 (SC3)	01/19/90	1000.000	<	20.000		75.000		95.000			<	20.000		37.000	<	100.000	<	20.000	<	20.000	<	20.000		2100.000	
03U315 (SC3)	05/08/90	850.000	<	0.500		60.000		57.000			<	0.500		29.000	<	0.500		0.800	<	0.500	<	0.500		2000.000	
03U315 (SC3)	05/08/90	850.000	<	0.500		65.000		64.000			<	0.500		30.000	<	0.500		0.800	<	0.500	<	0.500		2100.000	
03U315 (SC3)	07/13/90	1100.000	<	20.000		130.000		94.000			<	4.000		39.000	<	30.000	<	10.000	<	6.000	<	20.000		2100.000	
03U315 (SC3)	12/19/90	490.000	<	1.000	<	1.000		51.000	<	0.500	<	0.500			<	1.900	<	0.720			<	1.000		1300.000	
03U315 (SC3)	03/19/91	390.000	<	25.000		30.000		29.000	<	12.000	<	12.000			<	48.000	<	18.000	<	7.500	T <	25.000		940.000	
03U315 (SC3)	06/05/91	330.000	<	25.000		43.000		24.000	<	12.000	<	12.000			<	48.000	<	18.000	<	7.500	T <	25.000		830.000	
03U315 (SC3)	09/05/91	250.000	<	25.000	<	25.000	<	20.000	<	12.000	<	12.000			<	48.000	<	18.000	<	7.500	R <	25.000		700.000	
03U315 (SC3)	12/04/91	220.000	<	10.000		15.000		13.000	<	5.000	<	5.000			<	19.000	<	7.200	<	3.000	R <	10.000		440.000	
03U315 (SC3)	02/06/92	130.000	<	10.000	<	10.000		10.000	<	5.000	<	5.000			<	19.000	<	7.200	<	5.000	R <	10.000		330.000	
03U315 (SC3)	06/05/92	110.000	<	10.000		13.000	<	7.800	<	5.000	<	5.000			<	19.000	<	7.200	<	3.000	T <	10.000		310.000	
03U315 (SC3)	09/01/92	110.000	D <	10.000		11.000	<	7.800	D <	5.000	<	5.000	D		<	19.000	D <	7.200	D <	3.000	T <	10.000		210.000	D
03U315 (SC3)	09/01/92	120.000	<	10.000	D <	10.000	D <	7.800	<	5.000	D <	5.000			<	19.000	<	7.200	<	3.000	T <	10.000	D	250.000	
03U315 (SC3)	03/03/93	56.000	<	2.000		5.200		3.800	<	1.000	<	1.000			<	3.800	<	1.400	<	0.600	R <	2.000		150.000	
03U315 (SC3)	09/15/93	35.000	<	2.000		3.500		1.900	<	1.000	<	1.000			<	3.800	<	1.400	<	0.600	R <	2.000		88.000	
03U315 (SC3)	03/03/94	45.000	<	5.000	<	5.000	<	3.900	<	2.500	<	2.500			<	9.500	<	3.600		ND	T <	5.000		110.000	
03U315 (SC3)	09/07/94	33.200	<	1.000		3.200		1.610	<	0.500		0.790			<	1.900	<	0.720		ND	T <	1.000		69.000	
03U316 (SC4)	01/05/89	14.000	<	1.000		1.600		3.500			<	1.000	<	1.000	<	1.000		1.300	<	1.000	<	1.000	<	1.000	
03U316 (SC4)	03/16/89	31.000	<	1.000		3.200		1.700			<	1.000	<	1.000	<	1.000	<	1.000	<	1.000	<	1.000		2.900	

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
03U316 (SC4)	04/20/89	28.000	< 0.200	4.900	2.500		< 0.200	< 0.200	< 1.000	1.700	< 0.200	< 0.200	4.900
03U316 (SC4)	07/19/89	29.000	< 0.200	9.200	2.100		< 0.200	< 0.200	< 1.000	2.000	< 0.200	< 0.200	4.200
03U316 (SC4)	10/24/89	35.000	< 0.400	8.700	3.000		< 0.400	< 0.400	< 2.000	0.900	< 0.400	< 0.400	5.500
03U316 (SC4)	01/19/90	27.000	< 0.200	4.800	5.000		< 0.200	< 0.200	< 1.000	2.600	< 0.200	< 0.200	9.000
03U316 (SC4)	01/19/90	29.000	< 0.200	6.100	4.200		< 0.200	< 0.200	< 1.000	2.800	< 0.200	< 0.200	10.000
03U316 (SC4)	05/08/90	32.000	< 0.500	4.200	2.700		< 0.500	< 0.500	< 0.500	2.600	< 0.500	< 0.500	12.000
03U316 (SC4)	07/13/90	38.000	< 1.000	7.400	4.400		< 0.200	< 0.500	< 1.500	4.200	< 0.300	< 1.000	14.000
03U316 (SC4)	12/19/90	30.200	< 1.000	3.260	3.020	< 0.500	< 0.500		< 1.900	3.460		< 1.000	14.900
03U316 (SC4)	03/19/91	25.800	< 1.000	3.540	2.480	< 0.500	< 0.500		< 1.900	32.400	< 0.300 T	< 1.000	14.300
03U316 (SC4)	06/04/91	29.400	< 1.000	3.510	2.630	< 0.500	< 0.500		< 1.900	3.960	< 0.300 T	< 1.000	18.100
03U316 (SC4)	09/05/91	23.400	< 1.000	2.460	2.260	< 0.500	< 0.500		< 1.900	3.240	< 0.300 R	< 1.000	16.600
03U316 (SC4)	12/04/91	22.100	< 1.000	2.130	1.920	< 0.500	< 0.500		< 1.900	3.270	< 0.300 R	< 1.000	16.700
03U316 (SC4)	03/06/92	20.900	< 1.000	2.170	2.630	< 0.500	< 0.500		< 1.900	2.970	< 0.500 R	< 1.000	17.600
03U316 (SC4)	06/05/92	20.200	< 1.000	2.850 D	2.660	< 0.500 D	< 0.500		< 1.900	3.610 D	< 0.300 T	< 1.000	17.700
03U316 (SC4)	06/05/92	20.800 D	< 1.000 D	2.760	2.780 D	< 0.500	< 0.500 D		< 1.900 D	3.530	< 0.300 T	< 1.000 D	18.100 D
03U316 (SC4)	09/01/92	22.900	< 1.000	3.970	3.120	< 0.500	< 0.500		< 1.900	4.470	< 0.300 T	< 1.000	20.800
03U316 (SC4)	03/03/93	16.600	< 1.000	2.270	2.990	< 0.500	< 0.500		< 1.900	3.840	< 0.300 R	< 1.000	17.800
03U316 (SC4)	09/15/93	14.000	< 1.000	1.660	2.310	< 0.500	< 0.500		< 1.900	3.770	< 0.300 R	< 1.000	22.700
03U316 (SC4)	03/03/94	14.100	< 1.000	1.260	1.290	< 0.500	< 0.500		< 1.900	3.020	ND T	< 1.000	23.200
03U316 (SC4)	09/07/94	10.200	< 1.000	2.160	2.000	0.343 1	0.985		< 1.900	3.120	ND T	< 1.000	24.200
03U316 (SC4)	09/07/94	9.610 D	< 1.000 D	2.050 D	1.880 D	0.336 D1	0.480 D1		< 1.900 D	2.880 D	ND DT	< 1.000 D	23.000 D
03U317 (SC5)	01/05/89	< 1.000	< 1.000	< 1.000	< 1.000		< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
03U317 (SC5)	03/16/89	1100.000	< 10.000	66.000	19.000		24.000	19.000	< 10.000	< 10.000	< 10.000	< 10.000	3200.000
03U317 (SC5)	04/20/89	2800.000	< 0.200	660.000	27.000		4.200	27.000	< 1.000	1.300	< 0.200	13.000	13000.000
03U317 (SC5)	07/19/89	5800.000	< 20.000	1200.000	47.000		< 20.000	66.000	< 100.000	< 20.000	< 20.000	< 20.000	12000.000
03U317 (SC5)	10/23/89	6800.000	< 200.000	760.000	< 200.000		< 200.000	< 200.000	< 1000.000	< 200.000	< 200.000	< 200.000	19000.000
03U317 (SC5)	10/23/89	7000.000	< 200.000	750.000	< 200.000		< 200.000	< 200.000	< 1000.000	< 200.000	< 200.000	< 200.000	18000.000
03U317 (SC5)	01/19/90	7300.000	< 200.000	< 200.000	< 200.000		< 200.000	< 200.000	< 1000.000	< 200.000	< 200.000	< 200.000	21000.000
03U317 (SC5)	05/08/90	5200.000	9.800	210.000	53.000		10.000	60.000	< 0.500	5.900	< 0.500	18.000	18000.000
03U317 (SC5)	07/13/90	7500.000	< 200.000	720.000	70.000		< 40.000	100.000	< 300.000	< 100.000	< 60.000	< 200.000	15000.000
03U317 (SC5)	12/19/90	5000.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	17000.000
03U317 (SC5)	12/19/90	5300.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	18000.000
03U317 (SC5)	03/19/91	5700.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000		< 950.000	< 360.000	< 150.000 T	< 500.000	16000.000
03U317 (SC5)	06/04/91	6200.000	< 100.000	280.000	< 78.000	< 50.000	< 50.000		< 190.000	< 72.000	< 30.000 T	< 100.000	16000.000
03U317 (SC5)	09/05/91	5700.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000		< 950.000	< 360.000	< 150.000 R	< 500.000	23000.000
03U317 (SC5)	12/04/91	5700.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000		< 950.000	< 360.000	< 150.000 R	< 500.000	18000.000

TABLE X-11

HISTORICAL VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well		*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C12DCE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
03U317 (SC5)	03/06/92	4400.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000		< 950.000	< 360.000	< 250.000 R	< 500.000	14000.000
03U317 (SC5)	06/05/92	4000.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000		< 950.000	< 360.000	< 150.000 T	< 500.000	15000.000
03U317 (SC5)	09/01/92	6700.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000		< 950.000	< 360.000	< 150.000 T	< 500.000	19000.000
03U317 (SC5)	03/03/93	4600.000	< 250.000	< 250.000	< 200.000	< 130.000	< 130.000		< 480.000	< 180.000	< 75.000 R	< 250.000	12000.000
03U317 (SC5)	09/15/93	4700.000	< 200.000	240.000	< 160.000	< 100.000	< 100.000		< 380.000	< 140.000	< 60.000 R	< 200.000	14000.000
03U317 (SC5)	03/03/94	4900.000	< 250.000	< 250.000	< 200.000	< 130.000	< 130.000		< 480.000	< 180.000	ND T	< 250.000	15000.000 8
03U317 (SC5)	09/07/94	3100.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000		< 950.000	< 360.000	ND T	< 500.000	12000.000

Note:

D- Duplicate sample or Test Name

T- Analyzed for but not detected

R- Analyte required for reporting purposes but not currently certified

1 - Result les than Certified Reporting Limit but greater than9 eh Criteria of Detection

8 - Analyte recovery outside of certified range but within acceptable limits

Table X-12

1994 Treatment System
Sampling Summary (μg/L/l)
TGRS, TCAAP

TABLE X-12

1994 TREATMENT SYSTEM SAMPLING SUMMARY (µg/L/l) TGRS, TCAAP

Compound	*Average Influent*	*Range Influent*	*Average Effluent*	*Range Effluent*
Trichloroethene	1083.82	25.8 - 1800	0.583	BD - 1.47
1,1,1-Trichloroethane	226.28	15.4 - 330	0.053	BD - 1.27
1,1-Dichloroethene	15.27	BD - 41	BD	BD
1,2-Dichloroethylene	3.66	BD - 14	BD	BD
Trans-1,2-dichloroethene	BD	BD	0.03	BD - .697
1,1-Dichloroethane	12.14	BD - 32	BD	BD
Chloroform	0.05	BD - 0.625	BD	BD
1,2-Dichloropropane	BD	BD	BD	BD
1,2-Dichloroethane	0.24	BD - 1.5	0.085	BD - .452
1,1,2-Trichloroethane	0.12	BD - 1.41	BD	BD
Tetrachloroethene	0.18	BD - 2.1	BD	BD
Vinyl chloride	BD	BD	BD	BD
1,1,2-Trichloro-1,2,2-trifluoroethane	0.17	BD - 2.07	0.045	BD - 1.08
Carbon tetrachloride	BD	BD	BD	BD
Methylene chloride	BD	BD	BD	BD

Notes:

BD - Below Detection Limits. BD assumed zero for averaging purposes.
See Appendix G for method detection limits and complete analytical data for TGRS influent and effluent.

Concentration Units: µg/L

Table X-13

Historical Metals and Cyanide Concentrations
Treatment System
TGRS, TCAAP

TABLE X-13

HISTORICAL METALS AND CYANIDE CONCENTRATIONS
TREATMENT SYSTEM
TGRS, TCAAP

CONCENTRATION: UG/L

Well		*AS*	*BA*	*CD*	*CR*	*CU*	*CYN*	*HG*	*NI*	*PB*	*ZN*
TGRSE	11/11/87	< 1.000	69.000	< 5.000	< 10.000	< 25.000		< 0.400	< 40.000	4.000	33.000
TGRSE	12/01/87	1.000	297.000	< 5.000	< 10.000	< 25.000		< 0.400	< 40.000	11.000	17.100
TGRSE	12/29/87	< 1.000	72.000	< 5.000	< 10.000	< 25.000	< 5.000	2.800	< 40.000	< 3.000	39.000
TGRSE	01/19/88	1.000	250.000	< 5.000	< 10.000	105.000	< 5.000	< 0.400	< 40.000	13.000	170.000
TGRSE	04/28/88	7.600	310.000	< 5.000	< 10.000	54.000	< 5.000	< 0.400	139.000	14.000	200.000
TGRSE	05/24/88	0.110	364.000	< 5.000	< 10.000	35.000	< 23.000	< 0.400	< 40.000	15.000	291.000
TGRSE	06/22/88	11.000	466.000	12.000	28.000	97.000	< 5.000	< 0.400	42.000	26.000	339.000
TGRSE	07/19/88	2.000	63.000	< 5.000	< 10.000	25.000	< 5.000	< 0.400	< 40.000	4.000	58.000
TGRSE	08/25/88	4.000	123.000	< 5.000	< 10.000	117.000	< 5.000	< 0.400	40.000	8.000	88.000
TGRSE	09/21/88	2.000	138.000	< 5.000	< 10.000	124.000	< 5.000	< 0.400	< 40.000	13.000	80.000
TGRSE	10/24/88	1.000	89.000	< 5.000	< 10.000	< 25.000	< 5.000	< 0.400	< 40.000	5.000	26.000
TGRSE	04/20/89	3.000	300.000	0.300	1.000	80.000	< 10.000	< 0.200	< 50.000	2.000	130.000
TGRSE	07/19/89	< 2.000	500.000	0.200	2.000	10.000	< 10.000	< 0.200	< 50.000	1.000	190.000
TGRSE	07/19/89	< 2.000	200.000	0.200	8.000	20.000		< 0.200	< 50.000	< 1.000	140.000
TGRSE	10/12/89	< 50.000	570.000	< 8.000	< 9.000	140.000	< 10.000	< 0.200	< 16.000	2.000	390.000
TGRSE	01/19/90	< 5.000	600.000	< 8.000	< 9.000	47.000	< 10.000	< 0.200	< 16.000	3.000	< 360.000
TGRSE	04/10/90	< 2.000	300.000	< 10.000	< 100.000	50.000	< 17.000	< 0.200	< 50.000	1.000	< 130.000
TGRSE	05/08/90	< 0.000	70.000	< 10.000	< 10.000	< 10.000	< 10.000	< 0.000	< 20.000	< 0.000	< 10.000
TGRSE	07/13/90	< 0.000	< 200.000	< 10.000	< 100.000	40.000	20.000	< 0.000	< 50.000	< 100.000	720.000
TGRSE	08/14/90	< 0.000	600.000	0.300	< 0.000	180.000	< 10.000	< 0.000	< 50.000	20.000	390.000
TGRSE	09/12/90	< 2.000	530.000	0.100	2.000	89.000	< 10.000	< 0.200	< 21.000	< 1.000	< 320.000
TGRSE	10/15/90	< 6.010	1800.000	< 0.370	< 2.500	12.400		< 0.740	< 5.320	< 1.260	68.000
TGRSE	11/13/90	< 6.010	150.000	< 0.370	< 2.500	< 1.560		< 0.740	< 5.320	< 1.260	< 25.000
TGRSE	12/11/90	< 6.010	130.000	< 0.370	< 2.500	< 1.560		< 0.740	< 5.320	< 1.260	< 25.000
TGRSE	01/11/91	< 6.010	105.000	< 0.370	< 15.000	5.230		< 0.740	< 5.320	< 1.260	31.500
TGRSE	01/11/91		120.000	< 5.000	< 2.500	< 20.000			< 63.100	< 100.000	
TGRSE	02/13/91		157.000	< 5.000	< 15.000	37.100		< 0.740	< 5.320	< 1.260	53.900
TGRSE	02/19/91	< 6.010									

TABLE X-13

HISTORICAL METALS AND CYANIDE CONCENTRATIONS
TREATMENT SYSTEM
TGRS, TCAAP

CONCENTRATION: UG/L

Well		*AS*	*BA*	*CD*	*CR*	*CU*	*CYN*	*HG*	*NI*	*PB*	*ZN*
TGRSE	03/19/91	< 6.010	415.000	< 5.000	< 15.000	113.000	< 8.170	< 0.740	< 5.320	< 100.000	164.000
TGRSE	03/19/91								< 63.100	< 1.260	
TGRSE	04/10/91	< 6.010	141.000	< 5.000	< 15.000	29.100	< 8.170		< 5.320	1.510	311.000
TGRSE	05/07/91	< 6.010	103.000	< 5.000	< 15.000	< 20.000	< 8.170		< 5.320	< 1.260	21.400
TGRSE	06/04/91	< 6.010	92.700	< 5.000	< 15.000	< 20.000	< 8.170	< 0.740	< 63.100	< 100.000	13.200
TGRSE	06/04/91								< 5.320	< 1.260	
TGRSE	07/02/91	< 6.010	215.000	< 5.000	< 15.000	35.100	< 8.170	< 0.740	< 63.100	< 100.000	381.000
TGRSE	07/02/91								< 5.320	< 1.260	
TGRSE	08/06/91	< 6.010	109.000	< 5.000	< 15.000	< 20.000	< 8.170	< 0.740	< 63.100	< 100.000	856.000
TGRSE	08/06/91						< 8.170 D			< 1.260	
TGRSE	09/05/91	< 6.010	101.000	< 5.000	< 15.000	< 20.000	< 8.170	< 0.740	< 63.100	< 100.000	31.500
TGRSE	09/05/91								< 5.320	< 1.260	
TGRSE	10/01/91	< 6.010	116.000	< 5.000	< 15.000	< 20.000	< 8.170	< 0.740	< 63.100	< 1.260	124.000
TGRSE	10/01/91								< 5.320	< 100.000	
TGRSE	11/04/91								< 5.320		
TGRSE	11/05/91	< 6.010		< 5.000	< 15.000	65.300	< 8.170	< 0.740		< 1.260	144.000
TGRSE	11/05/91						< 8.170 D				
TGRSE	12/04/91	< 6.010		< 5.000	< 15.000	35.100	10.300	< 0.740	< 5.320	< 1.260	111.000
TGRSE	01/07/92	< 6.010						< 0.740	< 5.320	< 1.260	
TGRSE	01/09/92			< 5.000	< 15.000	< 20.000					19.300
TGRSE	02/04/92	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740	< 5.320	< 1.260	19.300
TGRSE	03/03/92	< 6.010	96.800	< 5.000	< 15.000	< 20.000	< 8.170	< 0.740	< 63.100	< 100.000	29.500
TGRSE	03/03/92								< 5.320	< 1.260	
TGRSE	04/07/92	< 6.010		< 3.380	< 142.000	< 138.000		< 0.740	< 5.320	< 1.260	19.400
TGRSE	05/05/92	< 6.010		< 5.000	< 15.000	25.100		< 0.740	< 5.320	1.540	63.100
TGRSE	06/02/92	< 6.010		< 5.000	< 15.000	32.100		< 0.740	< 5.320	< 1.260	101.000
TGRSE	07/07/92			< 5.000	< 15.000	< 20.000			< 5.320	< 1.260	33.600
TGRSE	07/16/92									< 1.260	

TABLE X-13

HISTORICAL METALS AND CYANIDE CONCENTRATIONS
TREATMENT SYSTEM
TGRS, TCAAP

CONCENTRATION: UG/L

Well		*AS*	*BA*	*CD*	*CR*	*CU*	*CYN*	*HG*	*NI*	*PB*	*ZN*
TGRSE	07/16/92									< 1.260 D	
TGRSE	07/21/92									< 1.260	
TGRSE	08/04/92	< 6.010						< 0.740		< 1.260	
TGRSE	09/01/92	< 6.010						< 0.740		< 1.260	
TGRSE	10/06/92	< 6.010							< 5.320	< 1.260	
TGRSE	11/03/92			< 5.000	< 15.000	< 20.000		< 0.740	< 5.320	< 1.260	< 13.000
TGRSE	12/01/92	< 6.010						< 0.740	< 5.320	< 1.260	
TGRSE	12/04/92			< 5.000	< 15.000	< 20.000					< 13.000
TGRSE	01/05/93	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740	< 5.320	< 1.260	30.500
TGRSE	02/02/93	< 6.010		< 5.000	< 15.000	24.100		< 0.740	< 5.320	< 1.260	40.700
TGRSE	03/02/93	< 6.010	373.000	< 5.000	< 15.000	95.400	< 8.170	< 0.740	< 63.100	< 1.260	192.000
TGRSE	04/07/93	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740	< 5.320	< 1.260	15.300
TGRSE	05/05/93	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740	< 5.320	< 1.260	23.400
TGRSE	06/01/93	< 6.010		< 5.000	< 15.000	36.100		< 0.740	< 63.100	< 1.260	91.600
TGRSE	07/06/93	< 6.010		< 5.000	< 15.000	123.000		< 0.740	6.490	< 1.260	205.000
TGRSE	08/03/93	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740	< 63.100	< 1.260	15.300
TGRSE	09/15/93	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740	< 5.320	< 1.260	40.700
TGRSE	10/05/93	< 6.01		< 5.00	< 15.00	72.30		< 0.74	8.21	< 1.26	137.00
TGRSE	11/30/93	< 6.01		< 5.00	< 15.00	< 20.00		< 0.74	< 5.32	< 1.26	19.30
TGRSE	12/07/93	< 6.01		< 5.00	< 15.00	< 20.00		< 0.74	< 5.32	< 1.26	13.20
TGRSE	01/04/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74	< 7.30	< 4.00	15.30
TGRSE	02/01/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74	< 5.00	< 4.00	16.30
TGRSE	03/01/94									< 4.00	
TGRSE	03/08/94	< 3.00	78.60	< 5.00	< 15.00	< 20.00		< 0.74	< 5.00	< 4.00	13.20
TGRSE	04/05/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74	< 5.00	< 4.00	13.20
TGRSE	05/03/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74	< 5.00	< 4.00	< 13.00
TGRSE	06/07/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74	< 5.00	< 4.00	21.40
TGRSE	07/07/94	< 3.00		< 5.00 V	< 15.00 V	< 20.00 V		< 0.74	< 5.00	< 4.00	< 13.00

TABLE X-13

HISTORICAL METALS AND CYANIDE CONCENTRATIONS
TREATMENT SYSTEM
TGRS, TCAAP

CONCENTRATION: UG/L

Well		*AS*	*BA*	*CD*	*CR*	*CU*	*CYN*	*HG*	*NI*	*PB*	*ZN*
TGRSE	08/02/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74	< 5.00	< 4.00	65.10
TGRSE	09/06/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74	< 5.00	< 2.00	34.60

Note:

D - Duplicate sample or Test Name

V - Sample was subjected to unusual storage/preservation condition

B - Analyte found in the method blank or QC blank as well as the sample

Table X-14

Total Phosphorus and Ortho Phosphate Concentrations
Treatment System
TGRS, TCAAP

TABLE X-14

TOTAL PHOSPHORUS AND ORTHO PHOSPHATE CONCENTRATIONS
TREATMENT SYSTEM
TGRS, TCAAP

Location	*Date*	*Ortho Phosphate (µg/L)*	*Total Phosphorus (µg/L)*
TGRSE	01/12/87	48.000	107.000
TGRSE	01/12/87	45.000	106.000
TGRSE	11/17/87	37.000	60.000
TGRSE	12/08/87	34.000	
TGRSE	12/09/87		47.000
TGRSE	04/28/88		1560.000
TGRSE	05/03/88	38.000	
TGRSE	05/24/88	38.000	624.000
TGRSE	06/22/88	30.000	1840.000
TGRSE	07/19/88	47.000	67.000
TGRSE	08/25/88	41.000	338.000
TGRSE	09/21/88	29.000	70.000
TGRSE	10/24/88	32.000	54.000
TGRSE	04/20/89	40.000	510.000
TGRSE	05/23/89	20.000	110.000
TGRSE	06/13/89	50.000	190.000
TGRSE	07/19/89	40.000	50.000
TGRSE	07/19/89	40.000	210.000
TGRSE	08/15/89	40.000	220.000
TGRSE	09/12/89	< 20.000	290.000
TGRSE	10/12/89	50.000	120.000
TGRSE	11/14/89	50.000	90.000
TGRSE	12/12/89	880.000	960.000
TGRSE	01/19/90	50.000	140.000
TGRSE	02/13/90	0.080	0.070
TGRSE	03/13/90	0.080	0.170
TGRSE	04/10/90	100.000	190.000
TGRSE	05/08/90	50.000	50.000
TGRSE	05/08/90	90.000	80.000
TGRSE	06/12/90	120.000	120.000
TGRSE	07/13/90	40.000	220.000
TGRSE	08/14/90	40.000	120.000
TGRSE	09/12/90	70.000	120.000
TGRSE	11/13/90		76.600

TABLE X-14

TOTAL PHOSPHORUS AND ORTHO PHOSPHATE CONCENTRATIONS
TREATMENT SYSTEM
TGRS, TCAAP

Location	*Date*	*Ortho Phosphate (µg/L)*		*Total Phosphorus (µg/L)*	
TGRSE	12/11/90	180.000			
TGRSE	12/14/90			180.000	
TGRSE	01/11/91	34.700		75.800	
TGRSE	02/13/91	26.800		43.500	
TGRSE	03/19/91			530.000	
TGRSE	03/26/91	33.800			
TGRSE	04/10/91	26.000		78.600	
TGRSE	05/07/91	32.800		74.500	
TGRSE	06/04/91	26.700		35.100	
TGRSE	07/02/91			61.400	
TGRSE	08/06/91	< 10.300		56.900	
TGRSE	08/08/91	68.400			
TGRSE	09/05/91	35.200		36.500	
TGRSE	10/01/91	36.000		68.600	
TGRSE	11/04/91	29.500		1500.000	
TGRSE	11/04/91			1000.000	
TGRSE	12/04/91	29.600		42.800	
TGRSE	01/07/92	34.400		53.200	
TGRSE	02/04/92	41.200		63.400	
TGRSE	03/03/92	37.400		33.600	
TGRSE	04/07/92	41.800	L	240.000	
TGRSE	05/05/92	31.400		50.700	
TGRSE	06/02/92	35.200		190.000	
TGRSE	07/07/92	33.500		83.600	
TGRSE	08/04/92	54.400		110.000	L
TGRSE	09/01/92	31.100		58.000	L
TGRSE	10/06/92	38.500		57.600	
TGRSE	11/03/92	28.500		41.200	
TGRSE	05/05/93	< 10.300		750.000	

Notes:

(1) L Missed holding time for analysis

(2) There were no sampling requirements in FY94 for Ortho Phosphate or Total Phosphorus

Table XI-1

Target Volatile Organic Compounds
Site K VOC Remediation
Building 103, TCAAP

TABLE XI-1

TARGET VOLATILE ORGANIC COMPOUNDS
SITE K VOC REMEDIATION
BUILDING 103, TCAAP

1.	trichloroethylene
2.	1,1,1-trichloroethane
3.	1,1-dichloroethylene
4.	cis-1,2-dichloroethylene
5.	trans-1,2-dichloroethylene
6.	1,2-dichloroethene
7.	1,1-dichloroethane
8.	chloroform
9.	1,2-dichloropropane
10.	1,2-dichloroethane
11.	1,1,2-trichloroethane
12.	tetrachloroethylene
13.	vinyl chloride
14.	1,2,2-trichlorotrifluoroethane
15.	carbon tetrachloride
16.	methylene chloride

Table XI-2

Effluent Target Compounds
Site K VOC Remediation
Building 103, TCAAP

TABLE XI-2

EFFLUENT TARGET COMPOUNDS
SITE K VOC REMEDIATION
BUILDING 103, TCAAP

Monthly

Total Phosphorus
Ortho Phosphate

Quarterly

Total Phosphorus
Ortho Phosphorus

VOCs:

- Trichloroethylene
- 1,1,1-Trichloroethane
- 1,1-Dichloroethylene
- cis 1,2-Dichloroethylene
- trans 1,2-Dichloroethylene
- 1,1-Dichloroethane
- Chloroform
- 1,2-Dichloropropane
- 1,2-Dichloroethane
- 1,1,2-Trichloroethane
- Tetrachloroethylene
- Vinyl Chloride
- 1,1,2-Trechlorotrifluoroethane
- Carbon Tetrachloride
- Methylene Chloride

Metals:

- Chromium
- Copper
- Lead
- Mercury
- Zinc

Table XI-3

Groundwater Elevations for Site K
Building 103, TCAAP

TABLE XI-3

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

WELL	ELEVATION FT. AMSL	08/25/86	09/30/86	10/01/86	10/02/86	10/07/86	10/09/86	10/13/86	10/24/86	05/11/87	07/23/87	08/04/87	08/13/87
01U047	880.31												
01U048	885.32												
01U052	886.51												
01U065	883.90												
01U128	883.69												
01U601	892.68	883.93	884.63	884.58	884.53	884.33	884.23	884.33		882.75		884.53	
01U602	889.35												
01U603	887.31	879.86	878.65	878.58	878.49	878.16	877.81	878.54		877.36	879.36	879.13	
01U604	888.98	879.23	877.38	877.18	877.06	876.78	876.58	876.68		877.51	877.11	878.57	877.20
01U605	887.76	877.96	878.35	878.35	878.31	878.18	877.94	878.05		887.76		878.41	
01U607	891.01	883.95	885.80	885.71	885.61	885.24	885.00	885.33		884.31	887.88	885.84	
01U608	889.30												
01U609	889.33										882.83	881.38	
01U611	889.29												
01U612	886.91	879.34	877.36	877.37	877.31	877.06	877.01	876.89		878.06	877.14	877.90	
01U613	892.07	883.88	884.51	884.46	884.42	884.17	884.07	884.49		882.52	885.70	884.49	
01U615	888.66	879.44	876.96	876.49	876.33	876.12	876.01	876.19		877.86	876.15	879.01	875.42
01U616	890.37	878.98	879.83	879.71	879.60	879.49	879.37	879.35	879.14	878.98	880.58	880.69	879.52
01U617	887.72	879.32	877.56	877.26	877.12	876.96	876.70	876.92		877.50	876.80	878.83	876.52
01U618	891.52	877.95	877.49	877.31	877.19	876.85	876.69	876.65		876.22	877.55	878.50	
01U619	891.75	883.05	882.91	882.75	883.79	883.52	883.36	883.28	883.52	882.70	884.69	884.10	883.83
01U620	888.65	883.17	882.02	881.77	881.63	878.62	878.46	878.51		878.66	879.34	880.60	
01U621	886.57	879.71	878.68	878.44	878.33	878.12	877.90	878.02		877.79	878.30	879.78	
01U622	889.43												
01U623	889.44	883.43	878.38	878.37	878.34	878.17	878.12	878.06			877.54	877.78	
01U624A	889.88	880.15	878.75	878.46	878.32	878.03	877.89	877.96	877.90	878.41	879.17	880.10	877.81
01U624B	889.88	880.15	878.71	878.43	878.29	878.00	877.88	877.92	877.90	878.41	878.91	880.08	877.78
01U624C	889.91	880.15	878.73	878.45	878.31	878.02	877.89	877.96	877.91	878.41	878.89	880.09	877.78
01U624D	889.89	880.16	878.72	878.45	878.30	878.01	877.89	877.95	877.91	878.42	878.88	880.09	877.79
01U625A	886.92	878.28	877.63	877.20	877.03	877.73	877.58	877.74	877.87	878.98	878.00	880.36	877.08
01U625B	886.91	878.27	877.64	877.21	877.06	876.96	876.84	876.99	877.16	878.21	877.19	879.71	876.24
01U625C	886.91	878.28	877.66	877.20	877.04	876.86	876.84	876.98	877.15	878.25	877.21	879.71	876.23
01U625D	886.92	878.29	877.64	877.20	877.05	876.87	876.85	876.99	877.16	878.22	877.18	879.69	876.25
01U626A	886.87	877.12	881.69	881.73	881.94	876.82	876.57	876.77	876.80	878.04	876.92	879.21	876.31

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE XI-3

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

WELL	ELEVATION FT. AMSL	08/24/87	09/01/87	10/06/87	11/03/87	01/05/88	02/29/88	04/05/88	05/27/88	07/08/88	09/07/88	10/04/88	12/06/88
01U047	880.31												
01U048	885.32												
01U052	886.51												
01U065	883.90												
01U128	883.69												
01U601	892.68			883.26	883.24	883.13	883.09	883.73	883.38	883.08	883.39	883.48	883.72
01U602	889.35												
01U603	887.31		877.23	876.02	875.87	877.29	875.74	875.64	875.91	875.44	875.93	876.56	875.93
01U604	888.98		875.83	875.07	875.49	877.38		874.73	875.03	874.78	874.99	875.68	875.03
01U605	887.76		877.58	876.43	875.97	875.47	Dry		876.53	875.54	875.80	875.61	875.86
01U607	891.01		884.56	883.56	883.22	883.53	882.64	885.81	884.75	886.32	885.14	885.21	885.06
01U608	889.30												
01U609	889.33			882.94	882.76	882.55	882.38	882.88	882.80	882.65	882.84	882.81	882.82
01U611	889.29								883.18		883.21	883.21	883.36
01U612	886.91		876.42	Dry	Dry	878.08		876.48	876.91	876.39	Dry	877.01	876.94
01U613	892.07		883.67	883.04	882.75	882.69	881.82	884.42	883.82	884.20	884.57	884.17	N/M
01U615	888.66		874.81	874.47	874.46	877.71	874.06	874.11	874.32	874.27	874.46	874.86	874.38
01U616	890.37	878.62	878.30	877.47	877.28	878.89	876.74	876.74	877.09	877.20	877.51	878.04	876.83
01U617	887.72		875.78	875.18	875.21	877.33	874.52	874.70	875.06	874.87	875.05	875.32	874.97
01U618	891.52		875.72	874.76	874.50	875.98	873.80	874.00	874.42	874.47	875.45	875.20	874.30
01U619	891.75		883.08	882.13	881.95	881.82	891.75	882.23	882.20	882.22	883.05	882.40	882.39
01U620	888.65		877.39	876.64	876.43	878.51	875.79	875.91	876.29	876.30	876.64	877.09	878.95
01U621	886.57		876.97	876.20	875.99	877.72	875.24	875.50	875.91	875.74	875.98	876.30	875.83
01U622	889.43												
01U623	889.44			876.34	876.39	877.94	876.06	875.79	875.76	875.76	875.89	876.76	875.70
01U624A	889.88		879.78	Dry	Dry	878.25	889.88	889.88	DRY	DRY	DRY	DRY	DRY
01U624B	889.88	877.00	876.73	876.08	875.92	878.25	875.35	875.38	875.74	875.73	876.59	876.63	875.73
01U624C	889.91	877.02	876.76	876.11	875.93	878.28	875.37	875.41	875.77	875.75	876.11	876.63	875.75
01U624D	889.89	877.04	876.75	876.10	875.94	878.25	875.36	875.39	875.76	875.74	876.10	876.64	875.74
01U625A	886.92	876.61	876.43	875.95	875.91	878.78	875.39	875.45	875.75	875.69	875.95	876.29	874.92
01U625B	886.91	875.84	875.63	875.21	875.13	878.08	874.62	874.68	874.97	874.90	875.20	875.49	874.89
01U625C	886.91	875.83	875.62	875.20	875.13	878.07	874.62	874.67	874.96	874.89	875.20	875.50	874.89
01U625D	886.92	875.82	875.66	875.24	875.14	878.07	874.62	874.68	874.97	874.90	875.20	875.50	874.91
01U626A	886.87	875.63	875.41	874.78	874.84	877.81	874.17	874.25	874.54	874.73	874.72	875.07	874.29

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE XI-3

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

WELL	ELEVATION FT. AMSL	03/29/89	06/07/89	09/08/89	11/21/89	01/03/90	05/07/90	07/03/90	10/02/90	03/06/91	06/04/91	9/03/91	12/06/91
01U047	880.31									873.12	875.51	873.97	875.34
01U048	885.32									873.13	875.89	874.38	875.45
01U052	886.51									873.11	876.04	874.91	875.65
01U065	883.90									872.83	874.60	873.84	874.25
01U128	883.69									872.80	876.35	874.17	875.56
01U601	892.68	884.01	883.78	883.78		882.77	883.62	884.09	883.73	883.13	884.95	883.89	884.65
01U602	889.35									883.31	883.91	883.42	883.83
01U603	887.31	875.74	877.24	878.05		876.22	877.47	878.48	877.78	876.28	878.99	877.34	878.27
01U604	888.98	874.38	876.00	876.98		876.04	876.24	877.12	876.88	876.14	877.90	876.38	877.58
01U605	887.76	DRY	877.32	876.91		DRY	876.32	878.51	877.54	DRY	878.95	877.68	878.02
01U607	891.01	886.88	884.58	885.79		882.19	885.13	885.21	883.96	883.47	886.22	884.65	885.69
01U608	889.30									883.20	884.06	883.35	884.21
01U609	889.33	882.50	882.98	883.00		882.27	N/A	883.26	883.21	882.37	883.77	883.42	883.97
01U611	889.29	882.45	N/M	N/M		889.29	883.20	883.81	883.47	882.92	884.47	883.65	884.34
01U612	886.91	DRY	N/M	877.16		DRY	877.16	877.62	877.12	DRY	878.20	877.19	878.00
01U613	892.07	885.31	N/M	884.48		881.86	883.68	884.22	883.24	882.55	884.76	884.50	884.33
01U615	888.66	874.13	874.90	876.48		874.47	874.65	876.05	876.45	874.58	877.31	875.82	877.36
01U616	890.37	876.68	878.20	879.23		876.71	876.93	878.60	879.19	876.65	879.69	878.52	879.71
01U617	887.72	874.46	875.79	876.88		874.95	875.44	877.00	877.04	875.24	878.00	876.57	877.72
01U618	891.52	874.01	875.55	876.66		874.02	874.33	876.38	876.66	873.97	877.76	877.81	879.08
01U619	891.75	882.33	883.00	882.90		881.28	881.99	883.17	882.99	881.30	884.41	882.89	883.84
01U620	888.65	875.84	877.27	878.61		878.82	879.09	880.99	881.36	878.79	882.31	878.87	880.07
01U621	886.57	875.18	876.82	876.83		875.61	876.14	877.99	878.00	875.76	879.09	877.57	878.58
01U622	889.43									DRY	882.50	882.51	8[illegible]0
01U623	889.44	875.48	876.13	876.96		875.83	875.73	876.60	877.44	875.76	876.72	877.08	877.96
01U624A	889.88	DRY	DRY	878.17	DRY	DRY	DRY	877.67	878.09	DRY	878.96	877.43	878.76
01U624B	889.88	875.38	876.68	878.08	876.30	875.67	875.88	877.66	878.07	875.65	878.90	877.42	878.74
01U624C	889.91	875.39	876.70	878.10	876.32	875.68	875.90	877.66	878.08	875.67	878.91	877.42	878.75
01U624D	889.89	875.39	876.71	878.09	876.32	875.69	875.90	877.65	878.08	875.66	878.89	877.40	878.75
01U625A	886.92	875.49	876.48	878.01	875.61	875.00	875.20	876.77	877.15	875.01	878.03	876.55	877.94
01U625B	886.91	874.75	875.71	877.28	875.64	874.94	875.14	876.74	877.11	875.02	878.06	876.54	877.95
01U625C	886.91	874.74	875.70	877.28	875.64	874.94	875.14	876.76	877.11	875.02	878.06	876.54	877.95
01U625D	886.92	874.76	875.71	877.28	875.66	874.94	875.13	876.77	877.10	875.02	878.07	876.55	877.96
01U626A	886.87	874.15	875.56	876.99	875.73	875.49	875.96	876.73	876.80	875.81	877.73	876.32	877.68

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE XI-3

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

WELL	ELEVATION FT. AMSL	03/02/92	06/01/92	09/09/92	12/01/92	03/02/93	06/01/93	09/08/93	03/01/94	09/06/94
01U047	880.31	874.24	873.82	873.02	873.67	873.54	874.63	874.87	874.13	873.36
01U048	885.32	874.54	874.32	873.51	874.07	873.45	875.00	875.25	873.96	873.61
01U052	886.51	874.95	874.64	873.61	874.47	873.55	875.52	875.49	874.26	873.75
01U065	883.90	873.81	873.71	873.25	873.80	873.23	874.27	874.43	873.33	873.47
01U128	883.69	874.41	874.01	872.93	873.87	873.09	875.35	875.18	873.81	873.16
01U601	892.68	884.46	886.48	883.94	883.91	883.27	884.34	884.43	883.54	883.52
01U602	889.35	883.40	883.15	883.13	883.31	882.71	883.20	883.86	883.23	883.11
01U603	887.31	877.54	877.49	878.01	877.11	876.38	878.19	879.17	876.14	876.64
01U604	888.98	876.50	876.67	876.50	876.35	876.12	877.01	878.65	876.70	875.86
01U605	887.76	877.52	877.72	877.34	877.34	875.64	878.38	878.43	876.32	876.70
01U607	891.01	886.17	884.25	883.63	884.94	882.84	885.86	884.82	883.74	881.86
01U608	889.30	883.53	883.27	883.19	883.46	882.62	883.49	884.18	882.80	882.81
01U609	889.33	883.37	883.22	883.12	883.41	882.72	883.35	883.91	882.77	882.75
01U611	889.29	883.92	883.48	883.58	N/A	883.13	883.92	884.18	883.25	883.22
01U612	886.91	876.62	877.31	877.11	877.19	DRY	878.21	878.65	DRY	876.89
01U613	892.07	884.67	883.30	884.13	883.62	882.77	884.65	884.13	883.41	883.00
01U615	888.66	876.10	876.30	875.66	876.16	875.70	876.29	878.67	874.92	875.35
01U616	890.37	878.55	878.83	878.33	878.60	877.34	878.82	880.81	877.39	877.89
01U617	887.72	876.52	876.92	876.39	876.72	875.91	877.09	878.99	875.41	875.98
01U618	891.52	877.74	878.06	877.55	877.96	877.53	879.25	881.12	877.53	878.13
01U619	891.75	883.25	882.87	882.72	883.08	881.61	883.38	884.01	882.15	882.49
01U620	888.65	878.70	879.07	878.55	878.96	876.78	878.21	880.27	876.52	877.15
01U621	886.57	877.36	877.81	877.29	877.64	876.45	878.05	879.84	876.18	876.93
01U622	889.43	DRY	DRY	DRY	DRY	DRY	DRY	N/A	OBSTRUCTED	OBSTRUCTED
01U623	889.44	877.23	877.48	876.88	877.03	876.33	876.97	879.09	OBSTRUCTED	OBSTRUCTED
01U624A	889.88	877.45	877.75	877.14	877.63	DRY	877.80	879.96	DRY	DRY
01U624B	889.88	877.45	877.75	877.13	877.61	876.53	877.78	879.96	876.21	876.78
01U624C	889.91	877.46	877.76	877.15	877.64	876.56	877.80	879.96	876.24	876.79
01U624D	889.89	877.46	877.76	877.14	877.63	876.56	877.79	879.97	876.23	876.79
01U625A	886.92	876.69	876.94	876.31	876.85	876.18	876.96	879.27	875.40	875.96
01U625B	886.91	876.71	876.93	876.29	876.84	876.17	876.95	879.26	875.39	875.95
01U625C	886.91	876.71	876.93	876.29	876.84	876.18	876.95	879.26	875.40	875.95
01U625D	886.92	876.72	876.94	876.30	876.85	876.16	876.96	879.27	875.41	875.96
01U626A	886.87	876.62	876.79	876.23	876.63	876.62	876.94	878.89	875.39	875.95

Note:
Elevations reported in feet above mean sea level
NM - Not measured

CRA 5530 (2)

TABLE XI-3

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

WELL	ELEVATION FT. AMSL	08/25/86	09/30/86	10/01/86	10/02/86	10/07/86	10/09/86	10/13/86	10/24/86	05/11/87	07/23/87	08/04/87	08/13/87
01U626B	886.88	879.31	877.26	876.78	876.61	882.02	882.02	881.91	876.77	878.05	876.49	879.42	876.59
01U626C	886.88	878.69	877.18	876.70	876.53	876.54	876.40	876.59	876.84	878.07	876.58	879.45	876.68
01U626D	886.88	879.82	877.18	876.96	876.85	876.61	876.46	876.66	876.89	878.08	876.64	879.48	876.77
01U627A	886.46	877.97	878.16	877.96	877.98	877.80	877.51	877.62	877.41	878.03	877.76	879.21	878.04
01U627B	886.47	878.00	877.48	877.08	876.93	876.93	876.76	876.96	877.08	878.03	876.99	879.44	876.25
01U627C	886.47	878.07	877.42	876.99	876.85	876.84	876.67	876.86	877.02	878.05	876.87	879.45	876.12
01U627D	886.48	878.06	877.49	877.04	876.88	876.86	876.70	876.89	877.05	878.05	876.95	879.47	876.11
01U628A	887.82	879.60	878.22	878.10	878.02	877.87	877.47	877.77	877.49	877.42	877.65	878.83	877.68
01U628B	887.83	879.88	878.03	877.84	877.74	877.60	877.26	877.51	877.34	877.51	877.40	878.91	877.28
01U628C	887.82	879.89	877.77	877.47	877.34	877.16	876.92	877.13	877.11	877.52	877.08	879.03	876.67
01U628D	887.84	879.91	877.79	877.48	877.36	877.17	876.92	877.14	877.12	877.61	877.17	879.02	876.69
K01MW	891.24												
K02MW	891.35												
K04MW	887.66												

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE XI-3

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

WELL	*ELEVATION FT. AMSL*	*08/24/87*	*09/01/87*	*10/06/87*	*11/03/87*	*01/05/88*	*02/29/88*	*04/05/88*	*05/27/88*	*07/08/88*	*09/07/88*	*10/04/88*	*12/06/88*
01U626B	886.88	875.22	875.13	874.79	874.73	877.89	874.19	874.25	874.52	874.45	874.68	874.85	874.43
01U626C	886.88	875.23	875.22	874.88	874.81	877.92	874.28	874.36	874.62	874.53	874.79	874.97	874.53
01U626D	886.88	875.34	875.31	874.96	874.86	877.91	874.34	874.41	874.71	874.61	874.87	875.04	874.60
01U627A	886.46	876.86	876.56	873.81	875.64	877.86	875.16	875.40	875.66	875.76	875.71	876.55	875.31
01U627B	886.47	875.81	875.66	875.21	875.19	877.88	874.56	874.68	875.01	874.88	875.12	875.34	874.82
01U627C	886.47	875.70	875.55	875.15	875.10	877.89	874.51	874.63	874.91	874.75	875.05	875.29	874.77
01U627D	886.48	875.75	875.57	875.15	875.06	877.89	874.53	874.63	874.95	874.80	875.08	875.25	874.82
01U628A	887.82	877.01	876.81	875.97	875.87	877.18	875.06	875.35	875.89	875.60	875.77	876.06	875.66
01U628B	887.83	876.67	876.48	875.74	875.65	877.29	874.90	875.13	875.63	875.35	875.56	875.84	875.45
01U628C	887.82	876.15	876.44	875.42	875.34	877.42	874.67	874.83	875.22	875.02	875.24	875.50	875.14
01U628D	887.84	876.19	876.02	875.39	875.30	877.44	874.67	874.84	875.19	875.03	875.24	875.52	875.16
K01MW	891.24												
K02MW	891.35												
K04MW	887.66												

Note:
Elevations reported in feet above mean sea level
NM - Not measured

CRA 5530 (2)

TABLE XI-3

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

WELL	ELEVATION FT. AMSL	03/29/89	06/07/89	09/08/89	11/21/89	01/03/90	05/07/90	07/03/90	10/02/90	03/06/91	06/04/91	9/03/91	12/06/91
01U626B	886.88	874.41	875.28	876.87	875.38	874.63	874.88	876.40	876.68	874.82	877.71	876.18	877.59
01U626C	886.88	874.47	875.37	876.95	875.41	874.66	874.88	876.44	876.74	874.82	877.78	876.23	877.65
01U626D	886.88	874.51	875.42	876.99	875.46	874.72	874.94	876.51	876.80	874.86	877.82	876.28	877.69
01U627A	886.46	874.70	876.78	877.83	876.79	877.14	877.43	877.69	877.58	877.52	878.47	877.36	878.22
01U627B	886.47	874.66	875.73	877.16	875.75	874.96	875.22	876.79	877.00	875.17	878.02	876.50	877.82
01U627C	886.47	874.65	875.64	877.10	875.62	874.83	875.11	876.71	876.95	875.00	877.93	876.43	877.77
01U627D	886.48	874.63	875.67	877.13	875.57	874.90	875.14	876.73	876.95	875.03	877.97	876.45	877.78
01U628A	887.82	874.84	876.73	877.43	875.86	875.49	876.32	877.94		875.59	878.63	877.33	878.14
01U628B	887.83	874.76	876.43	877.28	875.80	875.32	875.98	877.63		875.46	878.45	877.10	878.03
01U628C	887.82	874.63	876.00	877.07	875.72	875.09	875.55	877.18		875.28	878.19	876.75	877.89
01U628D	887.84	874.63	875.99	877.09	875.68	875.10	875.56	877.20		875.29	878.22	876.77	877.89
K01MW	891.24												
K02MW	891.35												
K04MW	887.66												

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE XI-3

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

WELL	ELEVATION FT. AMSL	03/02/92	06/01/92	09/09/92	12/01/92	03/02/93	06/01/93	09/08/93	03/01/94	09/06/94
01U626B	886.88	876.42	876.60	875.94	876.52	876.03	876.63	878.93	875.09	875.60
01U626C	886.88	876.47	876.66	875.98	876.57	876.02	876.68	878.98	875.13	875.66
01U626D	886.88	876.51	876.70	875.93	876.61	876.03	876.73	879.01	875.18	875.71
01U627A	886.46	877.26	877.63	877.19	877.27	877.30	877.86	879.31	876.41	877.09
01U627B	886.47	876.64	876.88	876.25	876.77	876.12	876.95	879.12	875.43	875.91
01U627C	886.47	876.59	876.82	876.17	876.71	876.07	876.87	879.08	875.33	875.84
01U627D	886.48	876.60	876.83	876.18	876.73	876.08	876.89	879.09	875.33	875.85
01U628A	887.82	877.06	877.63	877.11	877.40	876.19	877.89	879.40	875.85	876.76
01U628B	887.83	876.92	877.43	876.87	877.21	876.14	877.63	879.30	875.73	876.45
01U628C	887.82	876.72	877.12	876.52	876.94	876.06	877.26	879.17	875.57	876.15
01U628D	887.84	876.74	877.13	876.53	876.95	876.06	877.26	879.17	875.56	876.16
K01MW	891.24								884.07	886.33
K02MW	891.35								885.00	884.48
K04MW	887.66								878.73	879.46

Note:
Elevations reported in feet above mean sea level
NM - Not measured

Table XI-4

FY 1994 Groundwater Quality Data for Site K Building 103, TCAAP

TABLE XI - 4

FY 1994 GROUNDWATER QUALITY DATA FOR SITE K
BUILDING 103, TCAAP

Concentration Units: µg/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	12DCLP	C12DCE	C2H3CL	CCL4	CH2CL2	CHCL3	T12DCE	TCLEE	TCLTFE	TRCLE
OW104	08/13/87	ND	ND	ND	ND	NA	ND		ND	ND	NA	NA	ND	ND	ND		ND
(01U604)	12/01/87	ND	NA	ND	ND	NA	ND		ND	ND	ND	1.00	ND	ND	ND		ND
	02/29/88	ND	NA	ND	1.50	NA	ND		1.00	ND	ND	ND	ND	ND	ND		0.60
	05/26/88	ND	ND	ND	2.00	NA	ND		1.80	ND	ND	ND	ND	ND	ND		1.50
	05/08/90	ND	ND	ND	ND	NA	ND		ND	ND	ND	ND	ND	ND	ND		ND
	05/08/90 D	ND	ND	ND	ND	NA	ND		ND	ND	ND	ND	ND	ND	ND		ND
	03/05/91	ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	ND		ND
	03/05/92	ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	ND		ND
	03/27/93	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	03/01/94	ND	ND	ND	ND	0.586	ND	ND	ND	ND	ND	ND	ND	ND T	ND	ND	ND
OW111	08/13/87	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS		NS
(01U611)	12/01/87	ND	NA	ND	74	NA	ND		3900	120	ND	ND	ND	ND	ND		110000
	03/01/88	33	NA	ND	ND	NA	ND		1800	ND	ND	ND	ND	ND	ND		38000
	05/26/88	ND	ND	ND	ND	NA	ND		1500	ND	ND	77	ND	ND	ND		60000
	05/08/90	ND	ND	ND	ND	NA	ND		3300	ND	ND	ND	ND	ND	ND		35000
	03/05/91	ND	ND	ND	ND	3900	ND		NA	ND	ND	ND	ND	ND	ND		40000
	03/03/92	ND	ND	ND	ND	1300	ND		NA	ND	ND	ND	ND	ND	ND		200000
	03/27/93	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	81000
	03/01/94	ND	ND	ND	ND	3900	ND	ND	ND	ND	ND	ND	ND	ND T	ND	ND	180000
OW115	05/08/90	ND	ND	ND	ND	NA	ND		1200	ND	ND	ND	ND	270	ND		6500
(01U615)	03/05/91	ND	ND	ND	ND	950	ND		NA	ND	ND	ND	ND	160	ND		8800
	03/03/92	ND	ND	ND	ND	1300	ND		NA	ND	ND	ND	ND	ND	ND		14000
	03/24/93	ND	ND	ND	ND	930	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	17000
	03/01/94	ND	ND	ND	ND	920	ND	ND	ND	ND	ND	ND	ND	80 Z	ND	ND	17000
OW117	08/13/87	ND	ND	0.50	1.90	NA	ND		6.20	ND	NA	NA	ND	ND	ND		1.40
(01U617)	12/01/87	ND	NA	ND	3.20	NA	ND		6.50	ND	ND	ND	ND	ND	ND		1.40

TABLE XI - 4

FY 1994 GROUNDWATER QUALITY DATA FOR SITE K
BUILDING 103, TCAAP

Concentration Units: µg/L

WELL	DATE		111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	12DCLP	C12DCE	C2H3CL	CCL4	CH2CL2	CHCL3	T12DCE	TCLEE	TCLTFE	TRCLE
	02/29/88		ND	NA	0.30	1.40	NA	ND		3.40	ND	ND	ND	ND	ND	ND		1.10
	05/26/88		ND	ND	ND	1.70	NA	ND		4.00	ND	ND	ND	ND	ND	ND		1.90
	05/26/88	D	ND	ND	0.40	2.00	NA	ND		4.00	ND	ND	ND	ND	ND	ND		2.00
	05/08/90		ND	ND	0.40	0.80	NA	ND		4.90	ND	ND	ND	ND	0.40	ND		2.00
	07/03/90		ND	ND	ND	ND	NA	ND		ND	ND	ND	ND	ND	ND	ND		ND
	10/02/90		ND	ND	ND	0.50	NA	ND		4.80	ND	ND	NA	ND	0.50	ND		2.10
	03/05/91		ND	ND	ND	ND	3.33	ND		NA	ND	ND	ND	ND	ND	ND		1.17
	06/10/91		ND	ND	ND	ND	3.68	0.68		NA	ND	ND	ND	ND	ND	ND		1.08
	09/03/91		ND	ND	ND	ND	4.32	ND		NA	ND	ND	ND	ND	NA	ND		1.71
	09/03/91	D	ND	ND	ND	ND	4.35	ND		NA	ND	ND	ND	ND	NA	ND		1.80
	12/03/91		ND	ND	ND	ND	3.09	ND		NA	ND	ND	ND	ND	NA	ND		1.68
	03/03/92		ND	ND	ND	ND	2.98	ND		NA	ND	ND	ND	ND	ND	ND		1.27
	03/03/92		ND	ND	ND	ND	2.90	ND		NA	ND	ND	ND	ND	ND	ND		1.29
	06/02/92		ND	ND	ND	ND	3.54	ND		NA	ND	ND	ND	ND	0.528	ND		1.13
	06/02/92		ND	ND	ND	ND	3.67	ND		NA	ND	ND	ND	ND	0.454	ND		1.28
	09/10/92		ND	ND	ND	ND	1.69	ND		NA	ND	ND	ND	ND	NA	ND		0.923
	09/10/92		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	NA	ND		ND
	03/24/93		ND	ND	ND	ND	2.66	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	1.31
	09/16/93		ND	ND	ND	ND	1.75	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	.985
	09/16/93	D	ND	ND	ND	ND	1.84	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	1.14
	03/01/94	D	ND	ND	ND	ND	2.27	0.754	ND	ND	ND	ND	ND	ND T	ND	ND	ND	1.38
	03/01/94		ND	ND	ND	ND	1.85	ND	ND	ND	ND	ND	ND	ND T	ND	ND	ND	1.3
	09/06/94		ND	ND	ND	ND	2	0.483	ND	ND	ND	ND	ND	ND T	ND	ND	ND	0.928
OW118	08/13/87		ND	ND	0.60	2.40	NA	ND		2.50	ND	NA	NA	ND	ND	ND		7.70
(01U618)	11/30/87		ND	NA	ND	ND	NA	ND		2.30	ND	ND	ND	ND	2.30	ND		8.60
	11/30/87		ND	NA	ND	ND	NA	ND		2.40	ND	ND	ND	ND	2.40	ND		8.80
	02/29/88		0.60	NA	ND	ND	NA	ND		1.50	ND	ND	ND	ND	ND	ND		8.90
	02/29/88	D	ND	NA	ND	ND	NA	ND		1.40	ND	ND	ND	ND	ND	ND		4.50

TABLE XI - 4

FY 1994 GROUNDWATER QUALITY DATA FOR SITE K
BUILDING 103, TCAAP

Concentration Units: µg/L

WELL	*DATE*		*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*12DCLP*	*C12DCE*	*C2H3CL*	*CCL4*	*CH2CL2*	*CHCL3*	*T12DCE*	*TCLEE*	*TCLTFE*	*TRCLE*
	05/26/88		ND	ND	ND	ND	NA	ND		2.40	ND	ND	ND	ND	ND	ND		7.00
	05/08/90		ND	ND	ND	0.30	NA	ND		1.30	ND	ND	ND	ND	ND	ND		6.00
	03/05/91		ND	ND	ND	ND	0.79	ND		NA	ND	ND	ND	ND	ND	ND		4.97
	03/03/92		ND	ND	ND	ND	2.09	ND		NA	ND	ND	ND	ND	ND	ND		3.77
	03/27/93		ND	ND	ND	.854	1.13	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	5.3
	03/01/94		ND	ND	ND	1.72	1.01	ND	ND	ND	ND	ND	ND	ND T	ND	ND	5.83	3.43
OW119	05/08/90		ND	ND	ND	ND	NA	ND		ND	ND	ND	ND	ND	ND	ND		2.50
(01U619)	03/05/91		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	ND		2.76
	03/03/92		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	ND		0.975
	03/24/93		ND	ND	ND	2.23	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	2
	03/01/94		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND T	ND	ND	26.7	1.85
OW121	05/08/90		ND	ND	ND	ND	NA	ND		ND	ND	ND	1.20	ND	ND	ND		ND
(01U621)	07/03/90		ND	ND	ND	ND	NA	ND		ND	ND	ND	ND	ND	ND	ND		ND
	10/02/90		ND	ND	ND	ND	NA	ND		ND	ND	ND	NA	ND	ND	ND		1.17
	03/05/91		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	9.35		ND
	03/05/91	D	ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	ND		ND
	06/10/91		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	ND		ND
	09/03/91		ND	ND	ND	ND	ND	NA		NA	ND	ND	ND	ND	ND	ND		ND
	12/03/91		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	NA	ND		ND
	03/03/92		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	ND		ND
	06/02/92		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	ND		ND
	12/03/91		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	NA	ND		ND
	03/03/92		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	ND		ND
	06/02/92		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	ND	ND		ND
	06/02/92		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	NA	ND		ND
	06/02/92		ND	ND	ND	ND	ND	ND		NA	ND	ND	ND	ND	NA	ND		ND
	03/24/93		ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

TABLE XI - 4

FY 1994 GROUNDWATER QUALITY DATA FOR SITE K
BUILDING 103, TCAAP

Concentration Units: µg/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	12DCLP	C12DCE	C2H3CL	CCl4	CH2CL2	CHCL3	T12DCE	TCLEE	TCLTFE	TRCLE
	09/16/93	ND	ND	ND	ND	3.21	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	03/01/94	ND	ND	ND	ND	5.21	ND	ND	ND	ND	ND	ND	ND	ND T	ND	ND	ND
	09/06/94	ND	ND	ND	ND	12	0.274 1	ND	ND	ND	ND	ND	ND	ND T	ND	ND	ND
	09/06/94 D	ND	ND	ND	ND	12.1	0.26 1	ND	ND	ND	ND	ND	ND		ND	ND	ND
01U128	03/01/94	ND	ND	ND	1.15	26.8	ND	ND		ND	ND	ND	ND	2.6 Z	ND	ND	ND
K01MW	03/01/94	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND T	ND	ND	ND
K02MW	03/01/94	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND T	ND	ND	ND
K03MW	03/01/94	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND T	ND	ND	ND

Notes:

D - Duplicate sample or Test Name
T - Analyzed for but not detected
1 - Result less than the Certified Reporting Limit but greater than the Criteria of Detection
Z - Non target compound analyzed for and detected
ND - Not detected above method detection limit
* - Vinyl chloride & dichlorodiflоromethane co-elute. Compound calculated as dichlorodiflouromethane
NA - Not analyzed
NS - Not sampled (well cover corroded in place)

See Table 2 for abbreviation of chemicals

Table XI-5

Treatment Building Concentrations for Site K Building 103, TCAAP

TABLE XI-5

TREATMENT BUILDING CONCENTRATIONS FOR SITE K
BUILDING 103, TCAAP
Concentration Units: ug/L

WELL	*DATE*	*12DCLP*	*112TCE*	*C2H3CL*	*CCL3F*	*C12DCE*	*CH2CL2*	*11DCE*
INF	12/01/92	< 2.00	< 10.00	< 15.00		61.00	< 10.00	< 3.00
INF	03/02/93	< 0.40	< 2.00	< 3.00		13.00	< 2.00	< 0.60
INF	06/01/93	< 2.00	< 10.00	< 15.00		49.00	22.00	< 3.00
INF	09/16/93	< 2.00	< 10.00	< 15.00		54.00	< 10.00	< 3.00
INF	12/07/93	< 2.00	< 10.00	< 15.00	< 4.00	80.00	< 10.00	< 3.00
INF	03/01/94	< 0.20	< 1.00	< 1.50	< 0.4	36.00	< 1.00	< 0.30
IFF	06/07/94	< 4.00	< 20.00	< 30.00	< 8.00	47.00	< 20.00	< 6.00
IFF	09/06/94	< 4.00	< 20.00	< 30.00	< 8.00	36.00	< 20.00	< 6.00
EFF	10/02/92							
EFF	11/03/92							
EFF	12/01/92	< 0.20	< 1.00	< 1.50		< 0.50	< 1.00	< 0.30
EFF	12/01/92	< 0.20	< 1.00	< 1.50		< 0.50	< 1.00	< 0.30
EFF	01/05/93							
EFF	02/02/93							
EFF	03/02/93	< 1.00	< 1.00	< 1.90	< 1.00		< 3.20	< 1.00
EFF	04/07/93							
EFF	05/05/93							
EFF	06/01/93	< 0.20	< 1.00	< 1.50		< 0.50	< 1.00	< 0.30
EFF	06/01/93	< 0.20	< 1.00	< 1.50		< 0.50	< 1.00	< 0.30
EFF	07/06/93							
EFF	08/03/93							
EFF	09/16/93	< 0.20	< 1.00	< 1.50		10.00	< 1.00	< 0.30
EFF	09/16/93	< 0.20	< 1.00	< 1.50		9.20	< 1.00	< 0.30
EFF	10/05/93							
EFF	11/02/93							
EFF	12/07/93	< 0.2	< 1	< 1.5	< 0.4	< 0.5	< 1.00	< 0.30
EFF	12/07/93	< 0.2	< 1	< 1.5	< 0.4	< 0.5	< 1.00	< 0.30

TABLE XI-5

TREATMENT BUILDING CONCENTRATIONS FOR SITE K
BUILDING 103, TCAAP
Concentration Units: ug/L

WELL	*DATE*	*11DCLE*	*T12DCE*	*CHCL3*	*12DCLE*	*111TCE*	*CCL4*	*TRCLE*	*TCLEE*
INF	12/01/92	< 2.00	6.00	< 5.00	< 2.00	< 5.00	< 3.00	560.00	< 10.00
INF	03/02/93	< 0.40	1.30	< 1.00	< 0.40	< 1.00	< 0.60	110.00	< 2.00
INF	06/01/93	< 2.00	10.00	6.70	< 2.00	< 5.00	< 3.00	420.00	< 10.00
INF	09/16/93	< 2.00	8.20	< 5.00	< 2.00	< 5.00	< 3.00	390.00	< 10.00
INF	12/07/93	< 2.00	8.10	< 5.00	< 2.00	< 5.00	< 3.00	590.00	
INF	03/01/94	< 0.20	4.40	< 0.50	< 0.20	< 0.50	< 0.30	240.00	
IFF	06/07/94	< 4.00	6.30	< 10.00	< 4.00	< 10.00	< 6.00	390.00	
IFF	09/06/94	< 4.00	< 6.00	< 10.00	< 4.00	< 10.00	< 6.00	340.00	
EFF	10/02/92								
EFF	11/03/92								
EFF	12/01/92	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50	< 1.00
EFF	12/01/92	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50	< 1.00
EFF	01/05/93								
EFF	02/02/93								
EFF	03/02/93	< 0.78	< 0.30	< 0.72	< 0.50	< 1.00	< 1.30	< 0.50	< 1.00
EFF	04/07/93								
EFF	05/05/93								
EFF	06/01/93	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50	< 1.00
EFF	06/01/93	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	0.60	< 1.00
EFF	07/06/93								
EFF	08/03/93								
EFF	09/16/93	< 0.20	0.50	< 0.50	< 0.20	< 0.50	< 0.30	34.00	< 1.00
EFF	09/16/93	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	32.00	< 1.00
EFF	10/05/93								
EFF	11/02/93								
EFF	12/07/93	< 0.2	< 0.3	< 0.5	< 0.2	< 0.5	< 0.3	7	< 1
EFF	12/07/93	< 0.2	< 0.3	< 0.5	< 0.2	< 0.5	< 0.3	1.1	< 1

TABLE XI-5

TREATMENT BUILDING CONCENTRATIONS FOR SITE K
BUILDING 103, TCAAP
Concentration Units: ug/L

WELL	*DATE*	*TPO4*	*O-PO4*	*CHROMIUM*	*COPPER*	*LEAD*	*ZINC*
INF	12/01/92						
INF	03/02/93						
INF	06/01/93						
INF	09/16/93						
INF	12/07/93						
INF	03/01/94						
IFF	06/07/94						
IFF	09/06/94						
EFF	10/02/92	42.90	23.60				
EFF	11/03/92	84.30	21.50				
EFF	12/01/92	52.90	56.20	< 15.00	< 20.00	< 1.26	< 13.00
EFF	12/01/92						
EFF	01/05/93	15.30	26.10				
EFF	02/02/93	331.00	51.70				
EFF	03/02/93	280.00	58.90	< 15.00	< 20.00	0.74	30.00
EFF	04/07/93	50.00	40.00				
EFF	05/05/93	730.00	< 10.30				
EFF	06/01/93	53.10	27.30	< 15.00	< 20.00	< 1.26	15.00
EFF	06/01/93						
EFF	07/06/93	39.80	13.50				
EFF	08/03/93	23.80	49.50				
EFF	09/16/93	75.30	23.90	< 15.00	< 20.00	< 1.26	< 13.00
EFF	09/16/93						
EFF	10/05/93	53.70	19.40				
EFF	11/02/93	66.6	28				
EFF	12/07/93	150	21.5	< 15	< 20	< 1.26	17
EFF	12/07/93						

TABLE XI-5

TREATMENT BUILDING CONCENTRATIONS FOR SITE K
BUILDING 103, TCAAP
Concentration Units: ug/L

WELL	*DATE*	*12DCLP*	*112TCE*	*C2H3CL*	*CCL3F*	*C12DCE*	*CH2CL2*	*11DCE*
EFF	01/04/94							
EFF	02/01/94							
EFF	03/01/94	< 0.20	< 1.00	< 1.50	< 0.4	< 0.50	< 1.00	< 0.30
EFF	03/01/94	< 0.20	< 1.00	< 1.50	< 0.4	< 0.50	< 1.00	< 0.30
EFF	04/05/94							
EFF	05/03/94							
EFF	06/07/94	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30
EFF	06/07/94	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30
EFF	07/05/94							
EFF	08/02/94							
EFF	09/06/94	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30
EFF	09/06/94	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30

TABLE XI-5

TREATMENT BUILDING CONCENTRATIONS FOR SITE K
BUILDING 103, TCAAP
Concentration Units: ug/L

WELL	*DATE*	*11DCLE*	*T12DCE*	*CHCL3*	*12DCLE*	*111TCE*	*CCL4*	*TRCLE*	*TCLEE*
EFF	01/04/94								
EFF	02/01/94								
EFF	03/01/94	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	2.90	
EFF	03/01/94	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	1.60	
EFF	04/05/94								
EFF	05/03/94								
EFF	06/07/94	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	0.60	
EFF	06/07/94	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	0.50	
EFF	07/05/94								
EFF	08/02/94								
EFF	09/06/94	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50	
EFF	09/06/94	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50	

TABLE XI-5

TREATMENT BUILDING CONCENTRATIONS FOR SITE K
BUILDING 103, TCAAP
Concentration Units: ug/L

WELL	*DATE*	*TPO4*	*O-PO4*	*CHROMIUM*	*COPPER*	*LEAD*	*ZINC*
EFF	01/04/94	63.2	30.3				
EFF	02/01/94	130	95				
EFF	03/01/94	74.90	35.50	< 15.00	< 20.00	< 1.26	32.00
EFF	03/01/94						
EFF	04/05/94	92.80	31.20				
EFF	05/03/94	34.30	< 10.30				
EFF	06/07/94	77.80	32.60	< 15.00	< 20.00	< 4.00	16.00
EFF	06/07/94						
EFF	07/05/94	71.70	23.30				
EFF	08/02/94	35.10	15.60				
EFF	09/06/94	80.70	23.60	< 15.00	< 20.00	< 2.00	< 13.00
EFF	09/06/94						

The allowable concentration of VOCs contained the effluent are specified in the August 13, 1986 NPDES Permit Section entitled "Removal Efficiency of the Air Stripping Column" which states:

"The treatment system shall achieve an initial removal efficiency of 98 percent as a quarterly average, 95 percent daily minimum based on the ratio of total VOCs removed from the effluent versus the concentration of total VOCs in the influent. As influent VOC concentrations decrease, the removal efficiency may decrease. In this event, the Permittee shall demonstrate that optimum efficiency is being achieved for the level of influent being treated."

Table XI-6

FY 1994 Annual Results for Site K
Effluent Priority Pollutants
Building 103, TCAAP

TABLE XI-6

FY 1994 ANNUAL RESULTS FOR SITE K EFFLUENT PRIORITY POLLUTANTS BUILDING 103, TCCAP (03/08/94)

	Compound	*Concentration (µg/L)*
Metals	Chromium	< 15.0
	Copper	< 20.0
	Lead	< 1.26
	Zinc	32.0
Other Metals	Mercury	< 0.74
	o-PO4	35.5
	PO4	74.9
Volatiles	Trichloroethylene	2.9
	1,1,1-Trichloroethane	< 0.5
	1,1-Dichloroethylene	< 0.3
	cis-1,2-Dichloroethylene	< 0.5
	trans-1,2-Dichloroethylene	< 0.3
	1,1-Dichloroethane	< 0.2
	Chloroform	< 0.5
	1,2-Dichloropropane	< 0.2
	1,2-Dichloroethane	< 0.2
	1,1,2-Trichloroethane	< 1.0
	1,1,2,2-Tetrachloroethylene	< 1.0
	Vinyl chloride	< 1.5
	1,1,2-Trichlorotrifluoroethane	< 1.0
	Carbon tetrachloride	< 0.3
	Methylene chloride	< 1.0

The allowable concentration of VOC's contained the effluent are specified in the August 13, 1986 NPDES permit section entitled "Removal Efficiency of the Air Stripping Column" which states: "The treatment system shall achieve an initial removal efficiency of 98 percent as a quarterly average, 95 percent daily minimum based on the ratio of total VOCs removed from the effluent versus the concentration of total VOCs in the influent. As influent VOC concentrations decrease, the removal efficiency may decrease. In this event, the Permittee shall demonstrate that optimum efficiency is being achieved for the level of influent being treated."

Table XII-1

FY 1994 Monitoring Data for Site I
Building 502, TCAAP

TABLE XII-1

FY 1994 MONITORING DATA FOR SITE I
BUILDING 502, TCAAP
Concentration Units: µg/L

Compound	*Date*	*01U064*	*01U636* (Dry)*	*01U639*	*01U640* (Dry)*	*I01-MW*	*I02-MW (Dry)*	*I03-MW (Dry)*	*I04-MW (Dry)*	*I05-MW (Dry)*
Trichloroethene	03/11/94	4.23 / 4.37	-	1.58	-	ND	-	-	-	-
1,1,1-Trichloroethane	03/11/94	ND / ND	-	ND	-	3.55	-	-	-	-
1,1-Dichloroethylene	03/11/94	ND / ND		ND		ND				
1,2-Dichloroethene	03/11/94	320 / 350	-	1.25	-	ND	-	-	-	-
trans-1,2-dichloroethene	03/11/94	17 / 17	-	ND	-	ND	-	-	-	-
1,1-Dichloroethane	03/11/94	4.99 / 5.01	-	ND	-	ND	-	-	-	-
Chloroform	03/11/94	ND / ND	-	ND	-	ND	-	-	-	-
1,2-Dichloropropane	03/11/94	ND / ND	-	ND	-	ND	-	-	-	-
1,2-Dichloroethane	03/11/94	ND / ND	-	ND	-	ND	-	-	-	-
1,1,2-Trichloroethane	03/11/94	ND / ND	-	ND	-	ND	-	-	-	-
1,1,2,2-Tetrachloroethylene	03/11/94	ND / ND	-	ND	-	ND	-	-	-	-
Vinyl Chloride	03/11/94	10.08 / 9.76	-	ND	-	ND	-	-	-	-
1,1,2-Trichlorotrifluoroethane	03/11/94	ND / ND	-	ND	-	ND	-	-	-	-
Carbon Tetrachloride	03/11/94	ND / ND	-	ND	-	ND	-	-	-	-
Methlylene Chloride	03/11/94	ND / ND	-	ND	-	ND	-	-	-	-

Notes:

ND Not Detected
- Not Analyzed
* Wells were to be sampled for target PCBs

Table XIII-1

Historical VOC Concentrations in NB Well 13
PGRS, TCAAP

TABLE XIII-1

HISTORICAL VOC CONCENTRATIONS IN NB WELL 13
PGRS, TCAAP

Concentration units: ug/L

Well	Date	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE	12DCLP	CH2CL2	CCL4
NB13E	04/18/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	0.323 1	< 1.90	< 0.72	< 0.3 T	< 1.00	< 0.5	< 1.00	< 3.2	< 1.3
NB13E	05/03/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	0.494 1	< 1.90	< 0.72	< 0.3 T	< 1.00	0.325 1	< 1.00	< 3.2	< 1.3
NB13E	06/07/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	< 0.3 T	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	07/05/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	< 0.3 T	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	08/02/94	< 1.00	< 1.00	< 1.00 JR	< 0.78	< 0.50	< 0.50 J	< 1.90	< 0.72	< 0.3 T	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	09/06/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	0.936	< 1.90	< 0.72	< 0.3 T	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13I	04/18/94	5.50	< 1.00	< 1.00	< 0.78	0.349 1	0.532	< 1.90	< 0.72	< 0.3 T	< 1.00	6.83	< 1.00	< 3.2	< 1.3
NB13I	05/03/94	< 1.00	< 1.00	< 1.00	< 0.78	0.397 1	0.543	< 1.90	< 0.72	< 0.3 T	< 1.00	6.73	< 1.00	< 3.2	< 1.3
NB13I	06/07/94	< 1.00 D	< 1.00	< 1.00	< 0.78	0.460 1D	< 0.50 D	< 1.90 D	< 0.72	< 0.3 TD	< 1.00	9.11	< 1.00	1.64 1	< 1.3
NB13I	06/07/94	< 1.00	< 1.00 D	< 1.00 D	< 0.78 D	0.455 1	< 0.50	< 1.90	< 0.72 D	< 0.3 T	< 1.00 D	9.21 D	< 1.00 D	< 3.2 D	< 1.3 D
NB13I	07/05/94	< 1.00	< 1.00	< 1.00	< 0.78	0.508 1	< 0.50	< 1.90	< 0.72	< 0.3 T	< 1.00	13.40	< 1.00	< 3.2	< 1.3
NB13I	08/02/94	0.848 1	< 1.00	< 1.00 JR	< 0.78	0.529 1	< 0.50 J	< 1.90	< 0.72	< 0.3 T	< 1.00	15.10	< 1.00	< 3.2	< 1.3
NB13I	09/06/94	0.575 1	< 1.00	< 1.00	0.554 1	0.513 1	1.02	< 1.90	< 0.72	< 0.3 T	< 1.00	16.80	< 1.00	< 3.2	< 1.3
NB13I	09/06/94	0.679 D1	< 1.00 D	< 1.00 D	0.556 D1	0.497 D1	1.19 D	< 1.90 D	< 0.72 D	< 0.3 TD	< 1.00 D	16.10 D	< 1.00 D	< 3.2 D	< 1.3 D

Note: D - Duplicate analysis
T - Non target compound analyzed for but not detected (non GC / MS methods)
1 - Result less than the Certified Reporting Limit but greater than the Criteria of Detection
J - Value is estimated
R - Non target compound analyzed for but not detected (GC / MS methods)

Table XIII-2

FY 1994 Treatment System Analytical Summary (μg/L) PGRS, TCAAP

TABLE XIII-2

FY 1994 TREATMENT SYSTEM ANALYTICAL SUMMARY (µg/L)
PGRS, TCAAP

Compound	*Average Influent*	*Range Influent*	*Average Effluent*	*Range Effluent*
1,1-Dichloroethane	0.0925	BD - 0.556	BD	BD
1,2-Dichloroethylene	0.458	0.349 - 0.529	BD	BD
1,2-Dichloroethane	0.36	BD - 1.19	0.29	BD - 0.936
1,1,1-Trichloroethane	1.16	BD - 5.5	BD	BD
Trichloroethylene	11.28	6.73-16.80	0.054	BD - 0.325
1,1,2-Trichlorotrfluoroethane	BD	BD	0.10	BD - 0.621
Methylene Chloride	0.14	BD-1.64	BD	BD
Remaining UG03 Compounds	BD	BD	BD	BD
TOTAL	13.49	N/A	0.44	N/A

Notes:
BD - Below Detection Limits. BD assumed zero for averaging purposes.
N/A - Not Applicable

Table XIII-3

Historical Arsenic Concentration
NB Well 13 Influent
PGRS, TCAAP

TABLE XIII-3

HISTORICAL ARSENIC CONCENTRATION
NB WELL 13 INFLUENT
PGRS, TCAAP

Site ID	*Compound*	*Sample Date*	*Concentration*	*Units*
NB13I	AS	06/07/94	< 3.0	µg/L
NB13I	AS	09/06/94	< 3.0	µg/L

Table XIII-4

Hydraulic Vertical Gradients
PGRS, TCAAP

TABLE XIII-4

HYDRAULIC VERTICAL GRADIENTS
PGRS, TCAAP

	Mid-Screen Distance (feet)	*3/31/94*	*4/28/94*	*4/29/94*	*5/2/94*	*5/9/94*	*5/16/94*	*5/23/94*	*6/20/94*	*7/19/94*
03U673 <---> 03L673	28	-0.034	-0.034	-0.035	-0.035	-0.039	-0.038	-0.041	-0.043	-0.045
03L673 <---> 04U673	73	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010
03U832 <---> 03L832	66	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.003	-0.003	-0.003
03L832 <---> 04U832	66	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
03L841 <---> 04U841	79	0.011	0.011	0.011	0.011	0.011	0.010	0.010	0.010	0.010
03L846 <---> 04U846	92	--	-0.012	-0.006	-0.006	-0.008	-0.010	-0.011	-0.012	-0.011
03M848 <---> 03L848	42	0.011	0.010	0.011	0.010	0.010	0.010	0.010	0.009	0.012
03L848 <---> 04U848	70	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.004	0.009
03L854 <---> 04U854	103	-0.036	-0.036	-0.034	-0.033	-0.037	-0.039	-0.042	-0.045	-0.046
03L859 <---> 04U859	90	0.030	0.030	0.030	0.029	0.029	0.030	0.029	0.030	0.039
03L860 <---> 04U860	104	-0.039	-0.038	-0.037	-0.036	-0.040	-0.041	-0.046	-0.048	-0.049
03L861 <---> 04U861	102	-0.022	-0.021	-0.020	-0.019	-0.022	-0.022	-0.026	-0.027	-0.027
04U864 <---> 04J864	102	-0.046	-0.029	-0.033	-0.043	-0.034	-0.034	-0.042	-0.042	-0.035
04U866 <---> 04J866	97	-0.034	-0.014	-0.020	-0.030	-0.022	-0.023	-0.028	-0.027	-0.021
MPCA1L3 <---> MPCA1U4	96	-0.018	-0.018	-0.017	-0.017	-0.019	-0.019	-0.021	-0.022	-0.021
MPCA2L3 <---> MPCA2U4	77	-0.012	-0.013	-0.012	-0.011	-0.012	-0.013	-0.013	-0.013	-0.014

Table XV-1

FY 96 Annual Monitoring Plan

Site Designations

A	-	Site A	129-3	-	Site 129-3
B	-	Site B	129-5	-	Site 129-5
C	-	Site C	129-15	-	Site 129-5
D	-	Site D	SWB	-	Southwest Boundary
E	-	Site E	GP	-	Gravel Pit
F	-	Site F	BRV	-	Bedrock Valley
G	-	Site G	MISC	-	Miscellaneous Wells
H	-	Site H	OP	-	Off-Post
I	-	Site I			
J	-	Site J			
K	-	Site K			

Unit Designations

01U	-	Upper Fridley Formation	PC	-	Prairie du Chien
01L	-	Lower Fridley Formation	J	-	Jordan
03U	-	Upper Hillside Formation	SL	-	St. Lawrence
03M	-	Middle Hillside Formation	MS	-	Mt. Simon
03L	-	Lower Hillside Formation	H	-	Hinkley
SP	-	St. Peter	UNK	-	Unknown

Notes:

(1) "X" denotes a water level measurement during the month indicated in the heading (OND 96 = October, November, December 1996).
(2) The numbers represents analytical parameter categories. The parameters within each category are outlined in Appendix E.
(3) Only Total Phosphates from Category 4 will be analyzed.
(4) Monitoring for Category 1 will be conducted in the spring once every other year with the next sampling event scheduled for FY 96.
(5) Well to be used for performance monitoring of the OU3 groundwater recovery system which is scheduled to be in operation during FY 94. Water levels will be measured at these wells quarterly during the first two years of operation.
(6) Water level will be measured if the wellhead is accessible.
(7) Sample for Category 1 if in production at time of sample collection.
(8) Analytes will include those included in Category 1 with the addition of cis-1,2-dichloroethene and trans-1,2-dichloroethene and the omission of tetrachloroethene; 1,1,2-trichlorotrifluoroethane; and 1,2-dichloropropane.
(9) Proposed well.
(A) Indicate that the sampling will be conducted by Alliant Techsystems, Inc.
(P) Designates a piezometer.

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
Operable Unit 1												
	01L	01L811		---	---	---	---	---	---	---	---	
	01L	01L813		---	---	---	---	---	---	---	---	
	01L	01L816		---	---	---	---	---	---	---	---	
		01L821		---	---	---	---	---	---	---	---	
	01L	01L822		---	---	---	---	---	---	---	---	
	01L	01L823		---	---	---	---	---	---	---	---	
	01U	01U062		---	---	---	---	---	---	---	---	
	01U	01U803		---	---	---	---	---	---	---	---	
	01U	01U803		---	---	---	---	---	---	---	---	
	01U	01U805		---	---	---	---	---	---	---	---	
	01U	01U806		---	---	---	---	---	---	---	---	
	01U	01U807		---	---	---	---	---	---	---	---	
	01U	01U807		---	---	---	---	---	---	---	---	
	01U	01U813		---	---	---	---	---	---	---	---	
	03L	03L811		---	--X	---	--X	---	1	---	---	(8)
	03L	03L813		---	---	---	---	---	---	---	---	
	03L	03L822		---	--X	---	--X	---	1	---	---	(8)
	03L	03L853		---	--X	---	--X	---	1	---	---	(8)
	03L	03L856		---	--X	---	--X	---	1	---	---	(8)
	03L	03L858		---	---	---	---	---	---	---	---	
	03L	234425	Gerebi	Denied Access				Denied Access				
	03L	409556	PCA4L3	---	--X	---	--X	---	1	---	---	(8)
	03L	409597	BS118L3	---	---	---	---	---	---	---	---	
	03M	03M843		---	---	---	---	---	---	---	---	
	03U	03U805		---	--X(A)	---	--X(A)	---	1(A)	---	---	
	03U	03U806		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
	03U	03U811		---	--X	---	--X	---	1	---	---	(8)
	03U	03U815		---	--X	---	--X	---	1	---	---	(8)

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
	03U	03U821		---	--X	---	--X	---	1	---	---	(8)
	03U	03U822		---	---	---	---	---	---	---	---	
	03U	03U824		---	--X	---	--X	---	1	---	---	(8)
	03U	03U831		---	--X	---	--X	---	1	---	---	(8)
	03U	234352	1206 12th Av. NW	---	--X	---	--X	---	1	---	---	(8)
	03U	409596	BS118U3	---	---	---	---	---	---	---	---	
	J	04J834		---	--X	---	--X	---	1	---	1	(8)
	J	04J835		---	---	---	---	---	---	---	---	
	J	04J882		---	--X	---	--X	---	1	---	1	(8)
	J	200076	Old Dutch	---	---	---	---	---	---	---	---	(6)
	J	200524	St. Anthony #5	---	--X	---	--X	---	1	---	---	(8)
	J	200803	St. Anthony #4	---	--X	---	--X	---	1	---	---	(8)
	J	201082	NW Hospital	---	---	---	---	---	---	---	---	
	J	206791	New Brighton #7	---	--X	---	--X	---	1	---	---	(8)
	J	206797	New Brighton #6	---	--X	---	--X	---	1	---	---	(6,8)
	J	231845	MNDOT	Not Accessible				---	---	---	---	
	J		MW-2	--X	--X	--X	--X	1	1	1	1	(8,9)
	J		MW-4	--X	--X	--X	--X	1	1	1	1	(8,9)
	J		MW-6	--X	--X	--X	--X	1	1	1	1	(8,9)
	J		MW-8	--X	--X	--X	--X	1	1	1	1	(8,9)
	LH/PC	206787	MV High School	Not Accessible				---	---	---	---	
	MS/H	NB#10	New Brighton #10	---	---	---	---	---	---	---	---	(7)
	MS/H	NB#11	New Brighton #11	---	---	---	---	---	---	---	---	(7)
	MS/H	NB#8	New Brighton #8	---	---	---	---	---	---	---	---	(7)
	MS/H	NB#9	New Brighton #9	---	---	---	---	---	---	---	---	(7)
	PC	04U821		---	---	---	---	---	---	---	---	
	PC	04U834		---	--X	---	--X	---	1	---	1	(8)
	PC	04U843		---	--X	---	--X	---	1	---	---	(8)
	PC	04U847		---	---	---	---	---	---	---	---	
	PC	04U849		---	---	---	---	---	---	---	---	

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
	PC	04U850		--X	--X	--X	--X	---	---	---	---	
	PC	04U855		---	--X	---	--X	---	1	---	---	(8)
	PC	04U871		--X	--X	--X	--X	---	1	---	1	(8)
	PC	04U872		---	--X	---	--X	---	1	---	1	(8)
	PC	04U875		--X	--X	--X	--X	---	1	---	1	(8)
	PC	04U879		--X	--X	--X	--X	---	1	---	---	(8)
	PC	04U880		---	--X	---	--X	---	1	---	1	(8)
	PC	04U881		---	--X	---	--X	---	1	---	1	(8)
	PC	04U882		---	--X	---	--X	---	1	---	1	(8)
	PC	04U883		---	---	---	---	---	---	---	---	
	PC	200154	UM Golf Course	---	--X	---	--X	---	1	---	---	(8)
	PC	206688	Cloverpond	---	--X	---	--X	---	1	---	---	(8)
	PC	233533	Roselawn Cem.	---	---	---	---	---	---	---	---	
	PC	234319	Hide & Tallow #1	---	---	---	---	---	---	---	---	
	PC	234547	Hnywell Ridgway	---	--X	---	--X	---	1	---	---	(8)
	PC	409549	PCA3U4	--X	--X	--X	--X	---	1	---	---	(8)
	PC	409555	PCA5U4	--X	--X	--X	--X	---	1	---	---	(8)
	PC	512761	Gross Golf Course #2	---	--X	---	--X	---	1	---	---	(6,8)
	PC		MW-1	--X	--X	--X	--X	1	1	1	1	(8,9)
	PC		MW-3	--X	--X	--X	--X	1	1	1	1	(8,9)
	PC		MW-5	--X	--X	--X	--X	1	1	1	1	(8,9)
	PC		MW-7	--X	--X	--X	--X	1	1	1	1	(8,9)
	PC/J	200148	Paper Calmenson	Pump Decommissioned - No Access				Pump Decommissioned - No Access				
	PC/J	200804	St. Anthony #3	---	--X	---	--X	---	1	---	---	(8)
	PC/J	200812	Gross Golf	---	--X	---	--X	---	1	---	---	(8)
	PC/J	206793	New Brighton #3	--X	--X	--X	--X	---	---	---	---	
	PC/J	235539	Old Hotel	---	--X	---	--X	---	1	---	---	(8)
	PC/J	PJ#318		---	--X	---	--X	---	1	---	1	(8)
	PC/J/SL	233221	Reuben Meats	Not Accessible				---	---	---	---	
	SP	200814	Amer. Linen	---	---	---		---	---	---	---	

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
	SP/PC/J	233222	Lowry Gr. Trail.	Well Abandoned								
	UNK	134318	Seutter	---	---	---	---	---	---	---	---	
	UNK	191942	Model Stone	---	---	---	---	---	---	---	---	
	UNK	200264		---	---	---	---	---	---	---	---	
	UNK	234335	Mengelkoch #1	---	---	---	---	---	---	---	---	
	UNK	234337	Mengelkoch #3	---	---	---	---	---	---	---	---	
	UNK	234353	Lentsch Ice	---	---	---	---	---	---	---	---	
	03L	234356	Nordquist P43	---	--X	---	--X	---	1	---	---	(8)
	UNK	234357	Phillips Pet.	---	---	---	---	---	---	---	---	
	UNK	234430	Cmiel	---	---	---	---	---	---	---	---	
	UNK	234463	Solie	---	---	---	---	---	---	---	---	
	UNK	234546	Hnywell Ridgway	---	--X	---	--X	---	1	---	---	(8)
	PC/J	234549		---	--X	---	--X	---	1	---	---	(8)
	UNK	405651	Metal-Matic	Not Accessible				---	---	---	---	
	UNK	BOYLE		---	---	---	---	---	---	---	---	
	UNK	NB#12	New Brighton #12	---	---	---	---	---	---	---	---	(7)
	UNK	NB#4	New Brighton #4	--X	--X	--X	--X	---	---	---	---	(7)
	UNK	NB#5	New Brighton #5	---	--X	---	--X	---	1	---	---	(7,8)

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
Operable Unit 2												
A	01U	01U038		---	--X	---	--X	---	---	---	---	
A	01U	01U039		---	--X	---	--X	---	1	---	---	
A	01U	01U040		---	--X	---	--X	---	---	---	---	
A	01U	01U041		---	--X	---	--X	---	---	---	---	
A	01U	01U063		---	--X	---	--X	---	---	---	---	
A	01U	01U067		---	--X	---	--X	---	---	---	---	
A	01U	01U102		--X	--X	--X	--X	1	1,7	1	1	
A	01U	01U103		---	--X	---	--X	---	1	---	---	
A	01U	01U104		---	--X	---	--X	---	---	---	---	
A	01U	01U105		---	--X	---	--X	---	---	---	---	
A	01U	01U106		---	--X	---	--X	---	1	---	---	
A	01U	01U107		---	--X	---	--X	---	---	---	---	
A	01U	01U108		---	--X	---	--X	---	1	---	1	
A	01U	01U109		---	--X	---	--X	---	1	---	---	
A	01U	01U110		---	--X	---	--X	---	1	---	---	
A	01U	01U115		-X-	X-X	-X-	X-X	---	1,7	---	1	
A	01U	01U116		-X-	X-X	-X-	X-X	---	1	---	1	
A	01U	01U117		--X	--X	--X	--X	---	1,7	1	1	
A	01U	01U118		---	--X	---	--X	---	1	---	---	
A	01U	01U119		---	--X	---	--X	---	1	---	---	
A	01U	01U120		---	--X	---	--X	---	1	---	---	
A	01U	01U125		-X-	X-X	-X-	X-X	---	1	---	1	
A	01U	01U126		---	--X	---	--X	---	1	---	---	
A	01U	01U127		---	--X	---	--X	---	1	---	---	
A	01U	01U133		---	--X	---	--X	---	---	---	---	
A	01U	01U135		---	--X	---	--X	---	1	---	---	
A	01U	01U136		---	--X	---	--X	---	---	---	---	
A	01U	01U137		---	--X	---	--X	---	1	---	---	
A	01U	01U138		-X-	X-X	-X-	X-X	---	1	---	1	
A	01U	01U139		-X-	X-X	-X-	X-X	---	1	1	1	
A	01U	01U140		-X-	X-X	-X-	X-X	---	1	---	1	
A	01U	01U141		---	--X	---	--X	---	1	---	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
A	01U	01U142		---	--X	---	--X	---	---	---	---	P
A	01U	01U143		---	--X	---	--X	---	---	---	---	P
A	01U	01U144		---	--X	---	--X	---	---	---	---	P
A	01U	01U145		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U146		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U147		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U148		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U149		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U150		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U151		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U152		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U153		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U154		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U155		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U156		X X X	X X X	X X X	X X X	---	---	---	---	P
A	01U	01U157		-X-	X-X	-X-	X-X	1	1	1	1	
A	01U	01U158		-X-	X-X	-X-	X-X	1	1	1	1	
A	01U	01U350		---	---	---	---	---	1,7	---	1	
A	01U	01U351		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,7,9	1,2,3,9	1,2,3,9	
A	01U	01U352		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,7,9	1,2,3,9	1,2,3,9	
A	01U	01U353		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,7,9	1,2,3,9	1,2,3,9	
A	01U	01U354		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,7,9	1,2,3,9	1,2,3,9	
A	01U	01U355		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,7,9	1,2,3,9	1,2,3,9	
A	01U	01U356		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,7,9	1,2,3,9	1,2,3,9	
A	01U	01U357		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,7,9	1,2,3,9	1,2,3,9	
A	01U	01U358		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,7,9	1,2,3,9	1,2,3,9	
A	01U	01U901		X X X	X X X	X X X	X X X	1	1,7	1	1	
A	01U	01U902		X X X	X X X	X X X	X X X	1	1,7	1	1	
A	01U	01U903		X X X	X X X	X X X	X X X	1	1,7	1	1,7	
A	01U	01U904		X X X	X X X	X X X	X X X	1	1,7	1	1,7	
A	03U	03U023		---	--X(A)	---	---X(A)	---	1	---	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
B	01U	01U011		---	--X	---	--X	---	---	---	---	
B	01U	01U022		---	--X	---	---	---	---	---	---	
B	01U	01U033		---	--X	---	---	---	---	---	---	
B	01U	01U034		---	--X	---	---	---	---	---	---	
B	01U	01U035		---	--X	---	---	---	---	---	---	
B	01U	01U036		---	--X	---	---	---	1	---	---	
B	01U	01U037		---	--X	---	---	---	---	---	---	
B	01U	01U100		---	--X	---	---	---	---	---	---	
B	01U	01U101		---	--X	---	---	---	---	---	---	
B	01U	01U122		---	--X	---	---	---	1	---	---	
B	03U	03U011		---	--X(A)	---	--X(A)	---	---	---	---	
B	03U	03U022		---	--X(A)	---	--X(A)	---	---	---	---	
B	03U	03U082		---	--X(A)	---	--X(A)	---	---	---	---	(4)
C	01U	01U043		---	--X	---	---	---	---	---	---	
C	01U	01U045		---	--X	---	---	---	4	---	---	(3)
C	01U	01U046		---	--X	---	---	---	---	---	---	
C	01U	01U085		---	--X	---	---	---	1	---	---	
C	03U	03U024		---	--X(A)	---	--X(A)	---	---	---	---	
C	03U	03U025		---	--X(A)	---	--X(A)	---	---	---	---	
C	03U	03U083		---	--X(A)	---	--X(A)	---	1,7	---	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
D	03L	03L017		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	03L	03L018		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	03M	03M017		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	03U	03U017		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	03U	03U018		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	03U	03U093		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
D	03U	03U096		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	03U	03U316		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
D	03U	03U317		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
D	03U	03U716		---	--X(A)	---	--X(A)	---	---	---	---	
E	03U	03U015		---	--X(A)	---	--X(A)	---	1	---	---	
E	03U	03U088		---	--X(A)	---	--X(A)	---	---	---	---	
E	03U	03U089		---	--X(A)	---	--X(A)	---	1	---	---	
E	03U	519288	E101-MW	---	--X	---	--X	---	1	---	---	
E	03U	519289	E102-MW	---	--X	---	--X	---	1	---	---	
E	03U	519290	E103-MW	---	--X	---	--X	---	1	---	---	
F	03L	03L113		---	--X(A)	---	--X(A)	---	1	---	---	
F	03U	03U019		---	--X(A)	---	--X(A)	---	1	---	---	
F	03U	03U026		---	--X	---	---	---	1	---	---	
F	03U	03U092		---	--X(A)	---	--X(A)	---	1	---	---	
F	03U	03U112		---	--X(A)	---	--X(A)	---	1,4	---	---	
F	03U	03U113		---	--X(A)	---	--X(A)	---	1	---	---	
F	03U	03U114		---	--X	---	--X	---	1	---	---	
F	03U	03U121		---	--X	---	---	---	1,4	---	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
G	03L	03L014		---	--X(A)	---	--X(A)	---	---	---	---	
G	03L	03L020		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	03M	03M020		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	03U	03U014		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	03U	03U020		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	03U	03U094		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	03U	03U314		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
G	03U	03U315		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
G	03U	03U715		---	--X(A)	---	--X(A)	---	---	---	---	
G	04U	04U020		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	04U	PJ#074		---	---	---	---	---	---	---	---	
H	01U	01U060		---	--X	---	---	---	---	---	---	
H	01U	01U098		---	--X	---	---	---	1	---	---	
H	03U	03U099		---	--X	---	---	---	1	---	---	
I	01U	01U004		---	--X	---	--X	---	---	---	---	
I	01U	01U054		---	---	---	---	---	---	---	---	
I	01U	01U064		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	01U	01U132		---	---	---	---	---	---	---	---	
I	01U	01U631		---	---	---	---	---	---	---	---	
I	01U	01U632		---	---	---	---	---	---	---	---	
I	01U	01U634		---	---	---	---	---	---	---	---	
I	01U	01U635		---	---	---	---	---	---	---	---	
I	01U	01U636		---	--X(A)	---	--X(A)	---	1,5(A)	---	---	
I	01U	01U638		---	---	---	---	---	---	---	---	
I	01U	01U639		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	01U	01U640		---	--X(A)	---	--X(A)	---	1,5(A)	---	---	
I	01U	01U642		---	---	---	---	---	---	---	---	
I	01U	01U652		---	---	---	---	---	---	---	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
I	01U	01U666		---	---	---	---	---	---	---	---	
I	01U	01U667		---	---	---	---	---	---	---	---	
I	01U	01U668		---	---	---	---	---	---	---	---	
I	01U	01U675		---	---	---	---	---	---	---	---	
I	01U	482086	I01MW	---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	01U	482087	I05MW	---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	01U	482088	I02MW	---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	01U	482089	I04MW	---	--X(A)	---	--X(A)	---	---	---	---	
I	01U	482090	I03MW	---	--X(A)	---	--X(A)	---	---	---	---	
I	03F	03F312		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
I	03L	03L004		---	--X(A)	---	--X(A)	---	---	---	---	
I	03L	03L027		---	--X(A)	---	--X(A)	---	---	---	---	
I	03L	03L028		---	--X(A)	---	--X(A)	---	---	---	---	
I	03L	03L029		---	--X(A)	---	--X(A)	---	---	---	---	
I	03L	03L080		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	03M	03M004		---	--X(A)	---	--X(A)	---	---	---	---	
I	03U	03U004		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	03U	03U027		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	03U	03U028		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	03U	03U029		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	03U	03U030		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	03U	03U301		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
I	03U	03U647		---	--X(A)	---	--X(A)	---	---	---	---	
I	03U	03U648		---	--X(A)	---	--X(A)	---	---	---	---	
I	03U	03U658		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	03U	03U659		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	03U	03U674		---	--X(A)	---	--X(A)	---	---	---	---	
I	03U	03U675		---	---	---	---	---	---	---	---	
I	03U	03U676		---	---	---	---	---	---	---	---	
I	03U	OW543U3		---	--X(A)	---	--X(A)	---	---	---	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
I	04U	04U027		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	PJ#	PJ#027		---	--X(A)	---	--X(A)	---	---	---	---	
J	01U	01U003		---	--X	---	--X	---	---	---	---	
J	01U	01U050		---	--X	---	---	---	---	---	---	
J	01U	01U051		---	--X	---	---	---	---	---	---	
J	01U	01U053		---	--X	---	---	---	---	---	---	
J	01U	01U054		---	--X	---	---	---	---	---	---	
J	01U	01U062		---	--X	---	---	---	---	---	---	
J	01U	01U524		---	--X	---	---	---	---	---	---	
J	01U	01U525		---	--X	---	---	---	---	---	---	
J	01U	01U526		---	--X	---	---	---	---	---	---	
J	01U	01U527		---	--X	---	---	---	---	---	---	
K	01U	01U047		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U048		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U052		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U065		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U128		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	01U	01U601		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U602		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U603		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U604		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	01U	01U605		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U607		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U608		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U609		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U611		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	01U	01U612		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U613		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U615		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	01U	01U616		---	--X(A)	---	--X(A)	---	---	---	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
K	01U	01U617		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
K	01U	01U618		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	01U	01U619		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	01U	01U620		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U621		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
K	01U	01U622		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U623		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U624		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U625		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U626		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U627		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	01U628		---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	482083	K04-MW	---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	01U	482084	K02-MW	---	--X(A)	---	--X(A)	---	---	---	---	
K	01U	482085	K01-MW	---	--X(A)	---	--X(A)	---	---	---	---	
K	03L	03L013		---	--X(A)	---	--X(A)	---	---	---	---	
K	03M	03M013		---	--X(A)	---	--X(A)	---	---	---	---	
K	03U	03U013		---	--X(A)	---	--X(A)	---	---	---	---	
K	03U	03U075		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	03U	03U076		---	--X(A)	---	--X(A)	---	---	---	---	
129-15	03L	03L091		---	--X	---	---	---	1	---	---	
129-15	03U	03U016		---	--X(A)	---	--X(A)	---	1	---	---	
129-15	03U	03U032		---	--X(A)	---	--X(A)	---	1	---	---	
129-15	03U	03U090		---	--X(A)	---	--X(A)	---	1	---	---	
129-15	03U	03U124		---	--X	---	--X	---	1	---	---	
129-15	03U	519291	1291501-MW	---	--X	---	--X	---	1	---	---	
129-3	03U	03U087		---	--X(A)	---	--X(A)	---	1,4	---	---	
129-3	03U	03U521		---	--X	---	---	---	---	---	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
129-5	01U	01U072		---	--X	---	---	---	---	---	---	
129-5	03U	03U097		---	--X	---	---	---	1	---	---	
129-5	03U	03U111		---	--X(A)	---	--X(A)	---	---	---	---	
129-5	03U	03U129		---	--X	---	---	---	---	---	---	
GP	03U	03U704		---	--X(A)	---	--X(A)	---	1(A)	---	---	
GP	03U	03U705		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
GP	03U	03U706		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
GP	03U	03U707		---	--X(A)	---	--X(A)	---	1(A)	---	---	
GP	SG	Staff Gauge 1		---	--X(A)	---	--X(A)	---	---	---	---	
GP	SG	Staff Gauge 2		---	--X(A)	---	--X(A)	---	---	---	---	
GP	SG	Staff Gauge 3		---	--X(A)	---	--X(A)	---	---	---	---	
BRV	03L	03L005		---	--X(A)	---	--X(A)	---	1	---	---	
BRV	03L	03L081		---	--X(A)	---	--X(A)	---	1	---	---	
BRV	03L	03L137		---	--X	---	--X	---	---	---	---	
BRV	03L	03L138		---	--X	---	--X	---	1	---	---	
BRV	03M	03M005		---	--X(A)	---	--X(A)	---	1	---	---	
BRV	03U	03U005		---	--X(A)	---	--X(A)	---	1	---	---	
MISC	01U	01U012		---	--X	---	--X	---	---	---	---	
MISC	01U	01U044		---	--X	---	---	---	---	---	---	
MISC	01U	01U130		---	--X	---	---	---	---	---	---	
MISC	01U	01U131		---	---	---	---	---	---	---	---	
MISC	03L	03L007		---	--X(A)	---	--X(A)	---	1	---	---	(4)
MISC	03L	03L010		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	03L	03L012		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	03L	03L086		---	--X	---	---	---	---	---	---	

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
MISC	03M	03M007		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	03M	03M010		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	03M	03M012		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	03U	03U006		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	03U	03U007		---	--X(A)	---	--X(A)	---	1	---	---	(4)
MISC	03U	03U008		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	03U	03U009		---	--X(A)	---	--X(A)	---	1	---	---	(4)
MISC	03U	03U010		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	03U	03U012		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	03U	03U031		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
MISC	04U	04U007		---	--X(A)	---	--X(A)	---	1	---	---	(4)
MISC	04U	04U012		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	04U	04U510		---	--X(A)	---	--X(A)	---	1	---	---	(4)
MISC	PJ#	PJ#501		---	---	---	---	---	---	---	---	
MISC	PJ#	PJ#502		---	---	---	---	---	---	---	---	
MISC	PJ#	PJ#503		---	---	---	---	---	---	---	---	
OP	03L	03L809		---	--X(A)	---	--X(A)	---	1	---	---	
SWB	03F	03F302		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03F	03F303		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03F	03F304		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03F	03F305		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03F	03F306		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03F	03F307		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03F	03F308		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03F	03F312		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03L	03L001		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03L	03L002		---	--X(A)	---	--X(A)	---	1(A)	---	---	

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
SWB	03L	03L003		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	03L	03L021		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03L	03L077		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03L	03L078		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03L	03L079		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03L	03L084		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03L	03L802		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03L	03L806		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	(8)
SWB	03L	03L833		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03M	03M001		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	03M	03M002		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	03M	03M003		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	03M	03M713		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03M	03M802		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03M	03M806		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U001		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	03U	03U002		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	03U	03U003		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03U	03U021		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U077		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U078		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U079		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U084		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U671		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U672		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03U	03U701		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U702		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U703		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U708		---	--X(A)	---	--X(A)	---	1(A)	---	---	

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
SWB	03U	03U709		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U710		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U711		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	03U	03U801		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	03U803		---	--X(A)	---	--X(A)	---	1	---	---	
SWB	03U	03U804		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	03U	409550	PCA 6U3	---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	(8)
SWB	04J	04J077		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04J	04J702		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04J	04J708		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04J	04J713		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04J	04J714		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	04U	04U001		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	04U	04U002		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04U	04U003		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	04U	04U077		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04U	04U701		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04U	04U702		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04U	04U708		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04U	04U709		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04U	04U711		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	04U	04U713		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04U	04U714		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	04U	04U802		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	04U	04U806		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	04U	04U833		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
SWB	PJ#	PJ#003		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	PJ#	PJ#309		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	PJ#	PJ#310		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	PJ#	PJ#311		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	PJ#	PJ#313		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	PJ#	PJ#802		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	PJ#	PJ#806		---	--X(A)	---	--X(A)	---	1(A)	---	---	

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
Operable Unit 3												
	03L	03L673		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	03L	03L832		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5,8)
	03L	03L841		--X(A)	--X(A)	---	---	---	1	---	---	(5,8)
	03L	03L846		--X(A)	--X(A)	---	---	---	1	---	---	(8)
	03L	03L848		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	03L	03L854		--X(A)	--X(A)	---	---	---	1	---	---	(5)
	03L	03L859		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	03L	03L860		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5,8)
	03L	03L861		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	03L	409546	PCA2L3	--X(A)	--X(A)	---	---	---	1	---	---	(5,8)
	03L	409557	PCA1L3	--X(A)	--X(A)	---	---	---	1(A)	---	---	(5,8)
	03L	MW15H	MW15H	--X(A)	--X(A)	---	---	---	1(A)	---	1(A)	(5)
	03M	03M848		--X(A)	--X(A)	---	---	---	1	---	---	(5)
	03U	03U673		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	03U	03U832		--X(A)	--X(A)	---	---	---	1	---	---	(5)
	04U	04U673		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	J	04J864	324 J	--X(A)	--X(A)	---	---	---	1(A)	---	1(A)	
	J	04J866	326 J	--X(A)	--X(A)	---	---	---	1(A)	---	1(A)	
	PC	04U832		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	PC	04U841		--X(A)	--X(A)	---	---	---	1	---	---	(5,8)
	PC	04U844		--X(A)	--X(A)	---	---	---	1	---	---	(5,8)
	PC	04U845		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	PC	04U846		--X(A)	--X(A)	---	---	---	1	---	---	(5,8)
	PC	04U848		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	PC	04U851		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	PC	04U852		--X(A)	--X(A)	---	---	---	1	---	---	(5,8)
	PC	04U854		--X(A)	--X(A)	---	---	---	1(A)	---	---	

TABLE XV - 1
FY 96 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q49 OND 95	Q50 JFM 96	Q51 AMJ 96	Q52 JAS 96	Q49 Dec 95	Q50 Mar 96	Q51 Jun 96	Q52 Sep 96	Notes
	PC	04U859		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	PC	04U860		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	PC	04U861		--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	PC	04U863	323U4	--X(A)	--X(A)	---	---	---	1(A)	---	1(A)	(5)
	PC	04U864	324U4	--X(A)	--X(A)	---	---	---	1(A)	---	1(A)	(5)
	PC	04U865	325U4	--X(A)	--X(A)	---	---	---	1(A)	---	1(A)	(5)
	PC	04U866	326U4	--X(A)	--X(A)	---	---	---	1(A)	---	1(A)	(5)
	PC	04U877		--X(A)	--X(A)	---	---	---	1	---	---	(5)
	PC	409547	PCA1U4	--X(A)	--X(A)	---	---	---	1(A)	---	---	(5)
	PC	409548	PCA2U4	--X(A)	--X(A)	---	---	---	1(A)	---	---	(5,8)
	PC	500691	414U4	--X(A)	--X(A)	---	---	---	1(A)	---	1(A)	(5)
	PC/J	520931	NBM #13	--X(A)	--X(A)	---	---	1(A)	1(A)	1(A)	1(A)	

Table XV-2

Remedial Action Treatment System Monitoring

TABLE XV - 2
Remedial Action Treatment System Monitoring

INTERIM TGRS

Location	Sampling Frequency	Parameters
Treatment System Influent	Monthly	Cat. 1
Treatment System Effluent	Quarterly	Antimony, Cobalt, Manganese
	Monthly	Cat. 1, Arsenic, Lead, Mercury, Cadmium, Chromium, Nickel, Zinc and pH
	Annually	Priority Pollutants

SITE A REMOVAL ACTION

Location	Sampling Frequency	Parameters
Treatment System Effluent (1)	Monthly	12DCE, TRCLE, TCLEE, and Total Mercury
	Quarterly	pH, COD, and TSS

INTERIM SITE K

Location	Sampling Frequency	Parameters
Treatment System Influent	Quarterly	CH2CL2, 111TCE, 11DCLE, T12DCE, TRCLE, CCL4
Treatment System Effluent	Monthly	Ortho and Total Phosphorous
	Quarterly	Lead, Mercury, Zinc, Chromium, Copper, CH2CL2, 111TCE, 11DCLE, T12DCE, TRCLE, CCL4
	One-time (Spring 1996)	Arsenic, Cadmium, Nickel

0U3

Location	Sampling Frequency	Parameters
Treatment System Influent	Monthly	Cat. 1
Treatment System Effluent	Monthly	Cat. 1

NOTE: The parameter list for Category 1 is presented in Appendix E.

(1) USEPA and not USAEC analytical protocol required by Metropolitan Waste Control Commision on waters discharged to the sanitary sewer.

Table XV-3

Surface Water Monitoring Plan

Notes:

Sample locations 20100, 20200, 20300, 20400, and 20500 are monitored as required by the TCAAP NPDES permit.

M = Analysis required once a month.
- At least two of the monthly samples are to be collected after/during rainfall of at least 0.5 inches.

Q = Analysis required once a quarter.

Y = Analysis required once a year.

C = Continuous flow measurement.

(1) = Sites refer to monitoring locations illustrated on Figure VIII-1.

(2) = These values are to be estimated.

(3) = Sample location 20201 is monitored separately from the other locations and, therefore, has different monitored parameters and frequencies.

TABLE XV - 3
Surface Water Monitoring Plan

Analysis	Units	Sample Locations (1) 20100 Marsden Lk Out	20200 Bldg 103/114 Outfall	20201 (3) Bldg 103 Effluent	20300 Bldg 113/115 Outfall	20400 Bldg 104/116 Outfall	20500 Round Lk Outfall	20700 Rice Crk In	20800 Rice Crk Out	20900 Rice Crk & Lex	21000 Rice Crk & Long Lk	21100 Culvert Area Runoff	21200 N Inlet Lex Runoff	21300 Mid Inlet Lex Runoff	21400 S Inlet Lex Runoff	21600 Hamline Runoff	Field Water Blank	D.I. Water Blank
Volume	gal/day	M	M	C	M	M	M	M	M	Q (2)	Q (2)	Q (2)	Q (2)	Q (2)	Q (2)	Q (2)	--	--
pH		M	M	M	M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Suspended Solids	mg/l	M	M		M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Chemical Oxygen Demand	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Total Organic Carbon	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Biological Oxygen Demand	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Dissolved Oxygen	mg/l	M	M		M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Fecal Coliform Bacteria	#/100ml	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Oil	mg/l	M	M		M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Ammonia	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Cyanide	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Cadmium	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Chloride	mg/l	M	M		M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Chromium (Total)	mg/l	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Q	Q	Q
Copper	mg/l	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Lead	mg/l	Q	Y	Q	Y	Y	Q	Y	Y	Y	Y	Y	Q	Q	Q	Q	Q	Q
Mercury	mg/l	Y	Q		Q	Y	Q	Q	Q	Y	Y	Y	Y	Y	Y	Y	Q	Q
Nickel	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Phosphorus (Total)	mg/l	M	M	M	M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Phosphorus (Ortho)	mg/l	M	M	M	M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Silver	mg/l	Y	Q		Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Q	Q	Q
Zinc	mg/l	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Q	Q	Q
Trichloroethene	ug/l	Y	Q	Q	Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Q	Q	Q
1,1,1-Trichloroethane	ug/l	Y	Q	Q	Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Methylene Chloride	ug/l	Y	Q	Q	Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
1,1-Dichloroethene	ug/l	Y	Q		Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
1,1-Dichloroethane	ug/l	Y	Q	Q	Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
trans 1,2-Dichloroethene	ug/l			Q														
Carbon Tetrachloride	ug/l			Q														
Polychlorinated Biphenyls	ug/l	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Gross Alpha	pC/l	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Gross Beta	pC/l	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Gamma Spectranalysis	pC/l	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
24-hr pH Meter/Recorder		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	--	--

TABLE XV - 3
Surface Water Monitoring Plan

Notes:

- Monitoring points 20100, 20200, 20300, 20400 and 20500 are required by NPDES permit.
- Monitoring point 20201 collected by Alliant Techsystems.

M = Analysis required once a month

- At least two of the monthly samples are to be collected after/during rainfall of at least 0.5 inches.

Q = Analysis required once a quarter

Y = Analysis required once a year

(1) ..... See Figure VIII - 1

(2) These values are to be estimated.

(3) Location 20201 is monitored separately from IRDMIS and, therefore, has different parameters.

(C) Continuous flow measurement

FIGURES

TWIN CITIES
ARMY AMMUNITION PLANT

N

HWY 10

HWY 694

HWY 10, 694

HWY 94

MISSISSIPPI RIVER

UNIVERSITY AVE

CENTRAL AVE

SILVER LAKE RD

HWY 35W

HWY 8

LEXINGTON AVE

COUNTY RD C

HWY 36

CLEVELAND AVE

LARPENTEUR AVE.

1 0 1/2 1

GRAPHIC SCALE IN MILES

FILE	TCLOCMP.DWG
DATE	9-1-95 M:DLM

TWIN CITIES ARMY AMMUNITION PLANT

Site Location Map

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Maple Plain, MN 55359-0428

SEPT. 1995

Fig. II-1

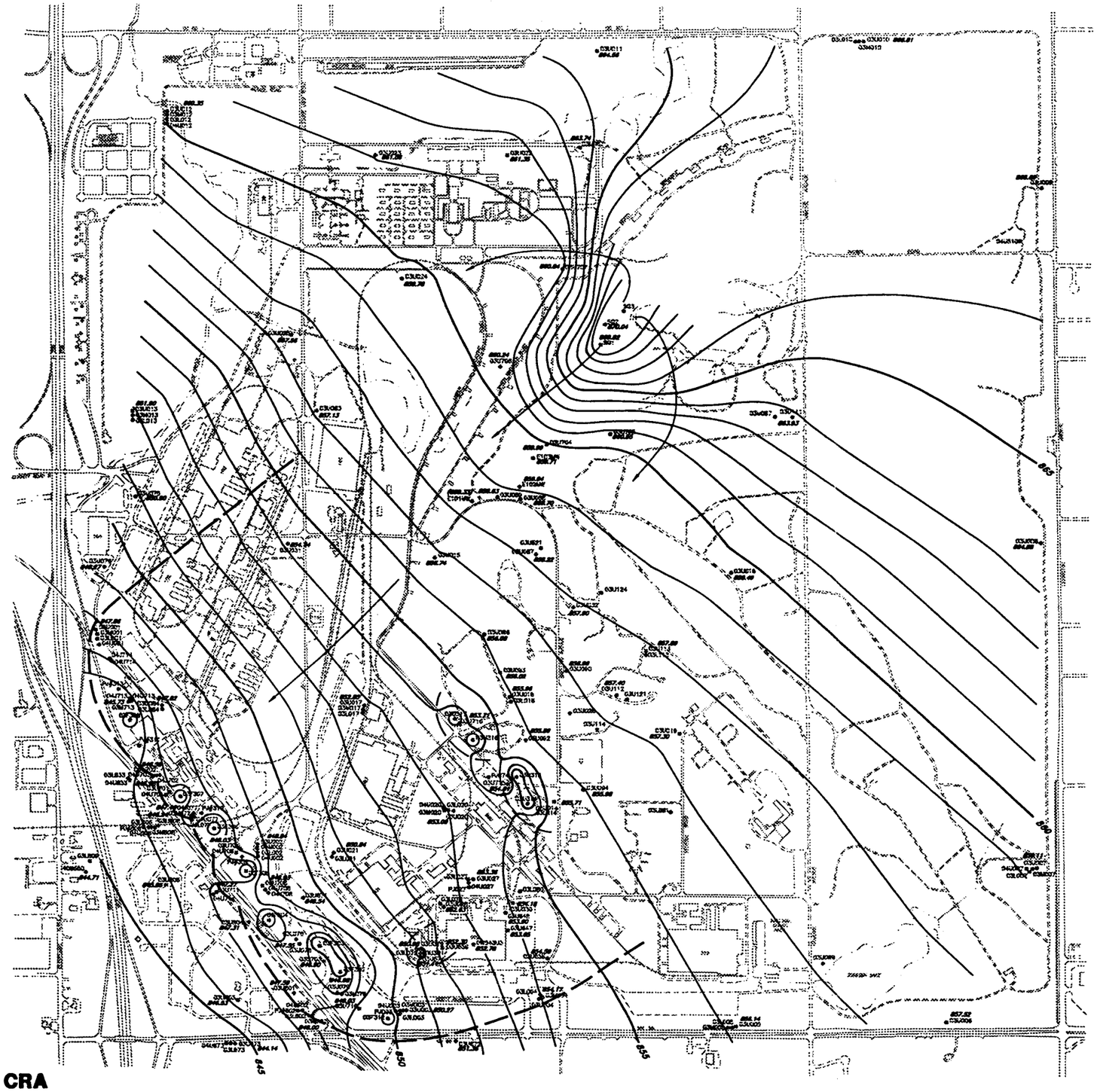
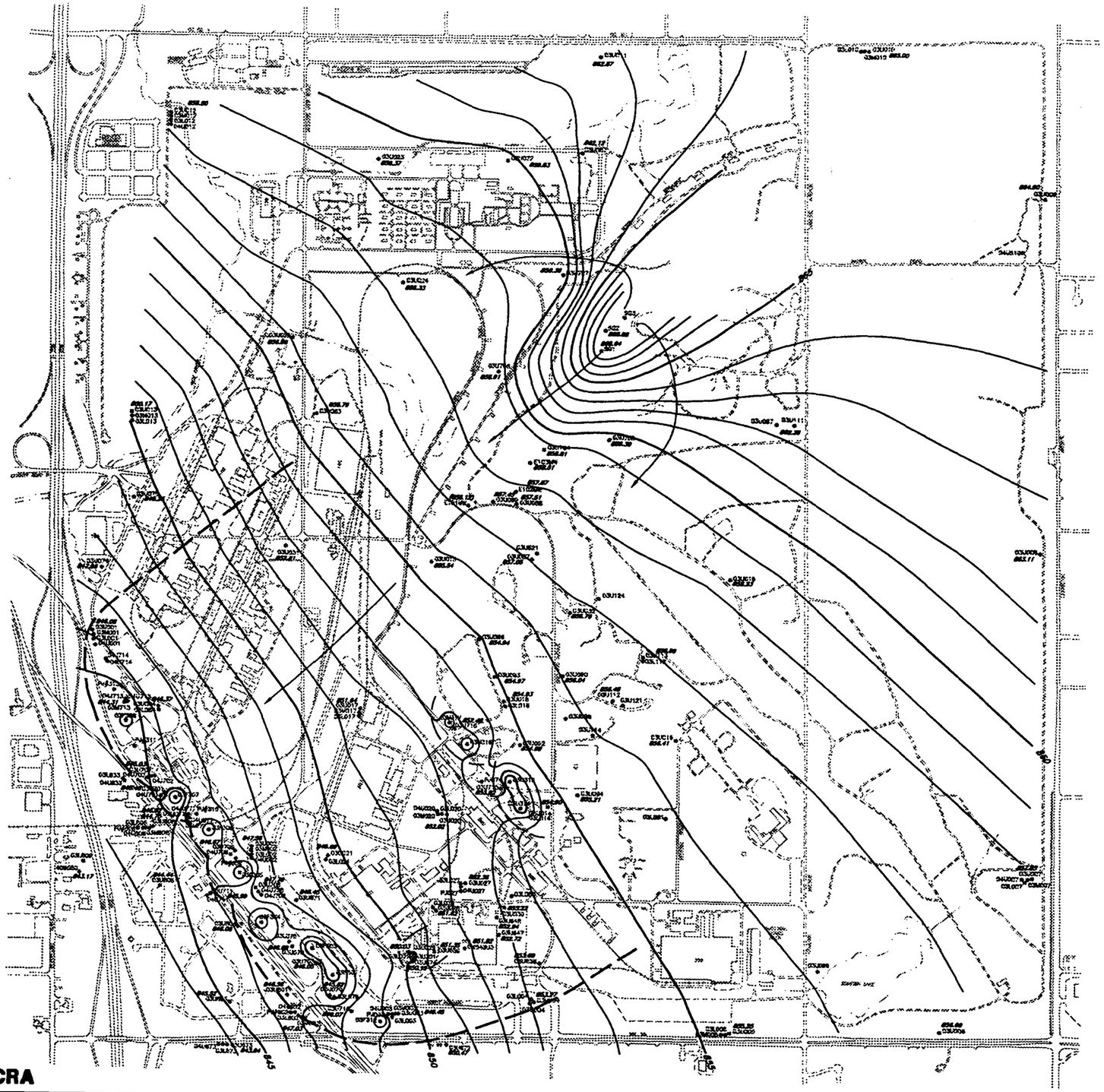


figure V-1
ON-POST, GROUNDWATER ELEVATIONS,
UPPER UNIT 3, SPRING 1994 (Q42)
Twin Cities Army Ammunition Plant

CRA

5530( )-DEC. 19/94-REV.0 (MN)



0 400 1200ft

LEGEND

857.54 GROUNDWATER ELEVATION IN FEET AMSL (9-2-94)

GROUNDWATER CONTOUR

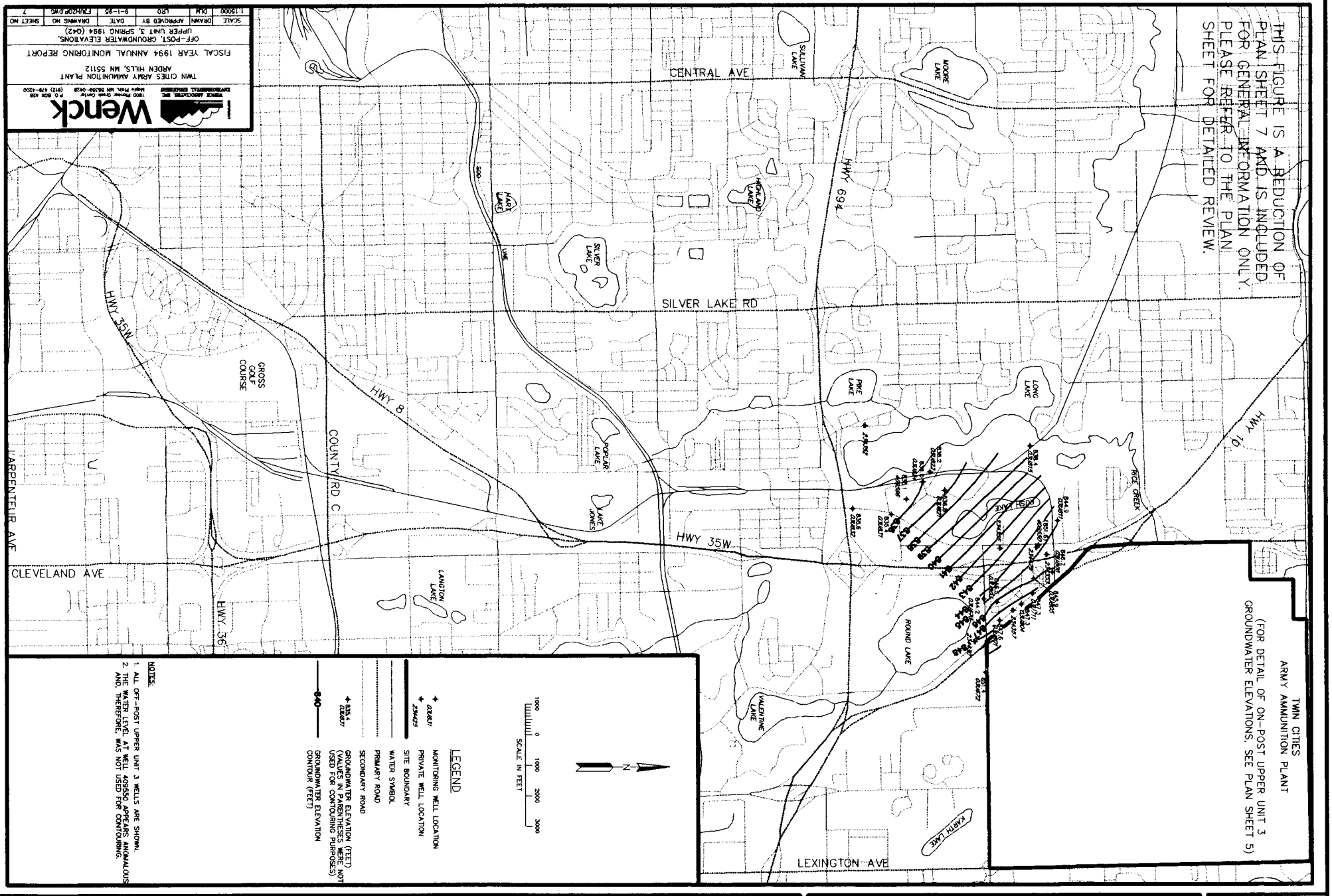
DIRECTION OF GROUNDWATER FLOW

LIMIT OF CAPTURE

figure V-2
ON-POST, GROUNDWATER ELEVATIONS,
UPPER UNIT 3, FALL 1994 (Q44)
Twin Cities Army Ammunition Plant

CRA

5530( )-DEC. 19/94-REV.0 (MN)



TWIN CITIES ARMY AMMUNITION PLANT

Off-Post, Groundwater Elevations, Upper Unit 3, Spring 1994 (Q42)

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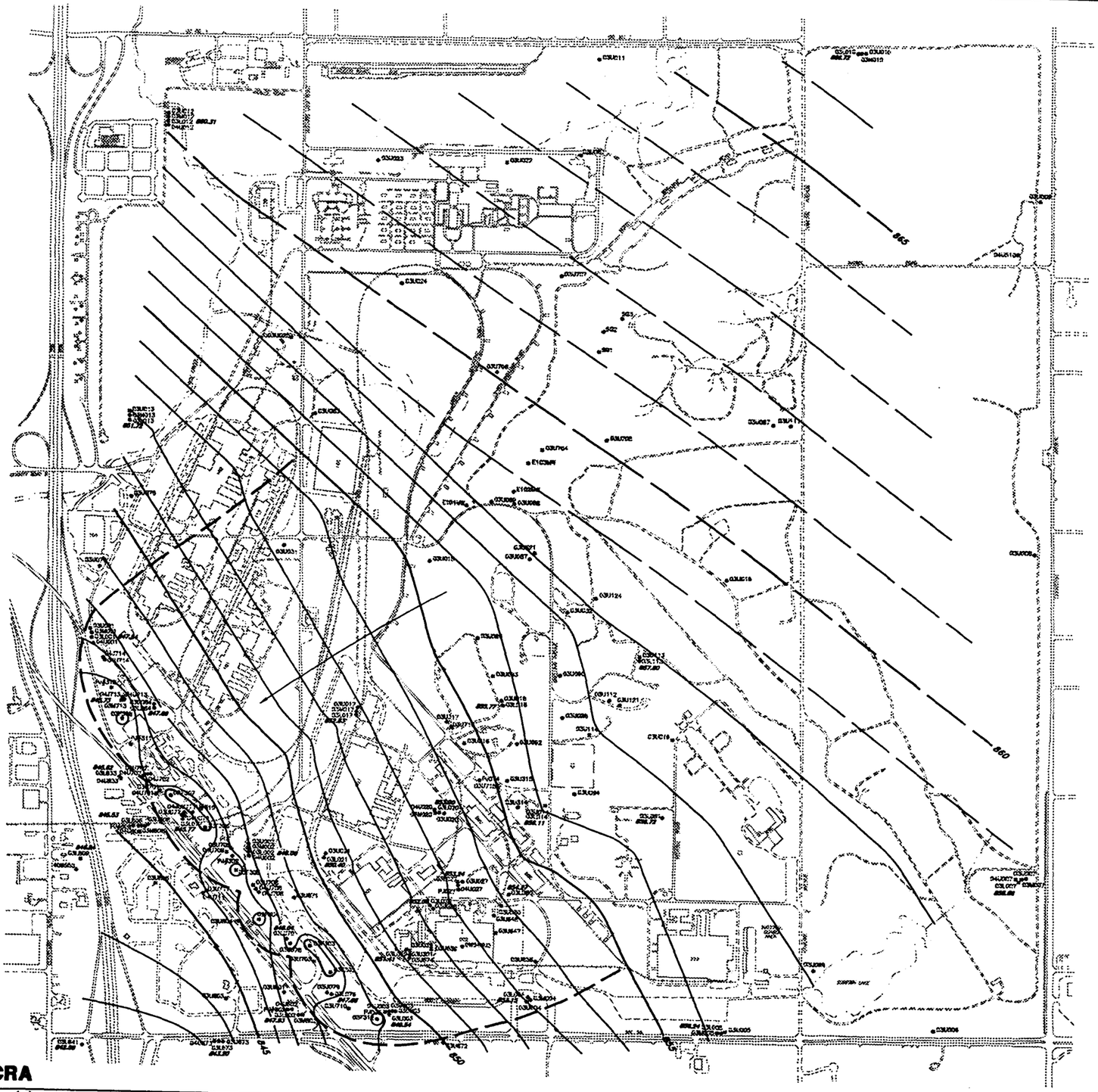
Fig. V-3



0 400 1200ft

LEGEND

857.54 GROUNDWATER ELEVATION IN FEET AMSL (3-1-94)

GROUNDWATER CONTOUR

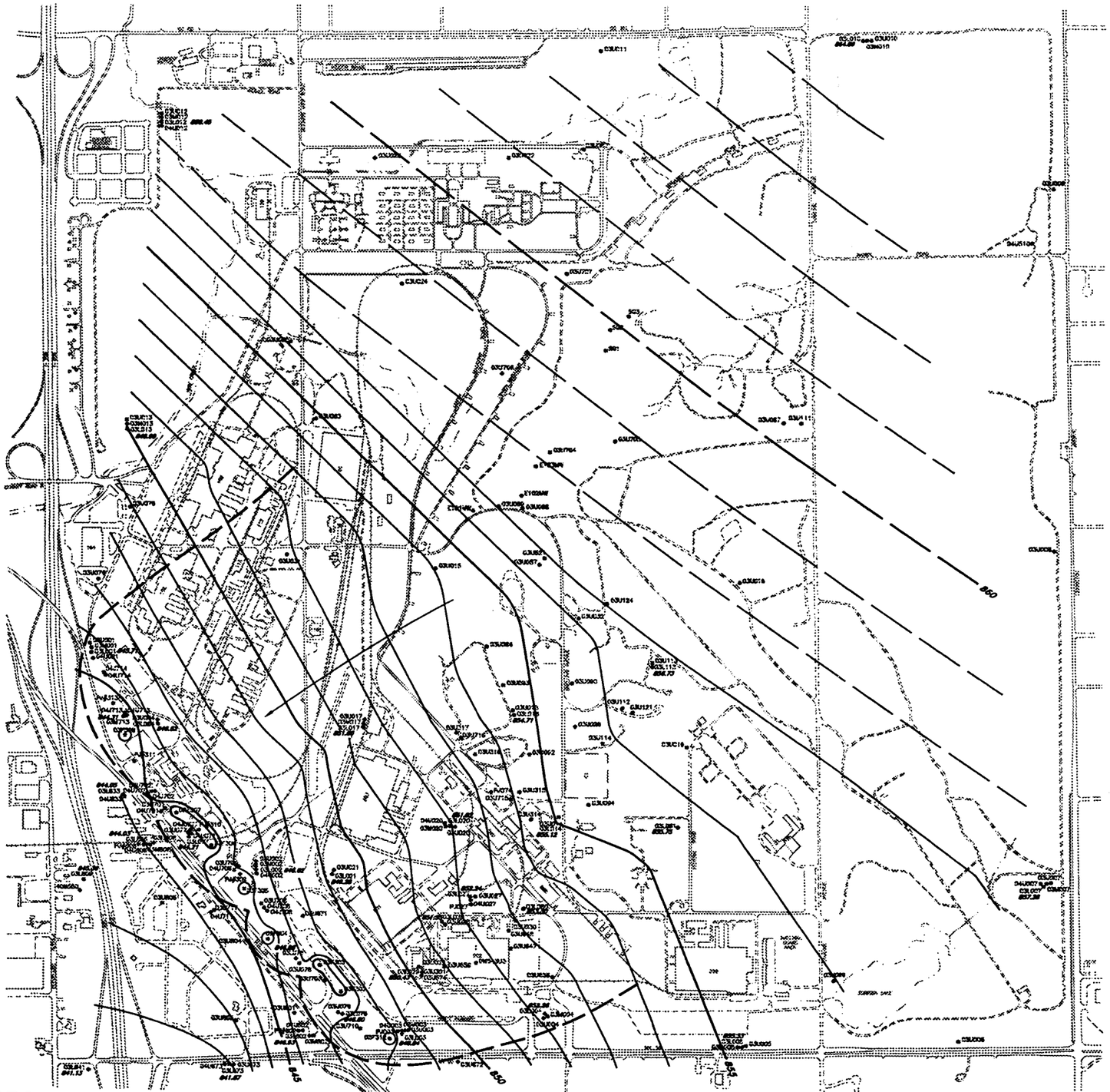
DIRECTION OF GROUNDWATER FLOW

LIMIT OF CAPTURE

CRA

5530( )-DEC. 19/94-REV.0 (MN)

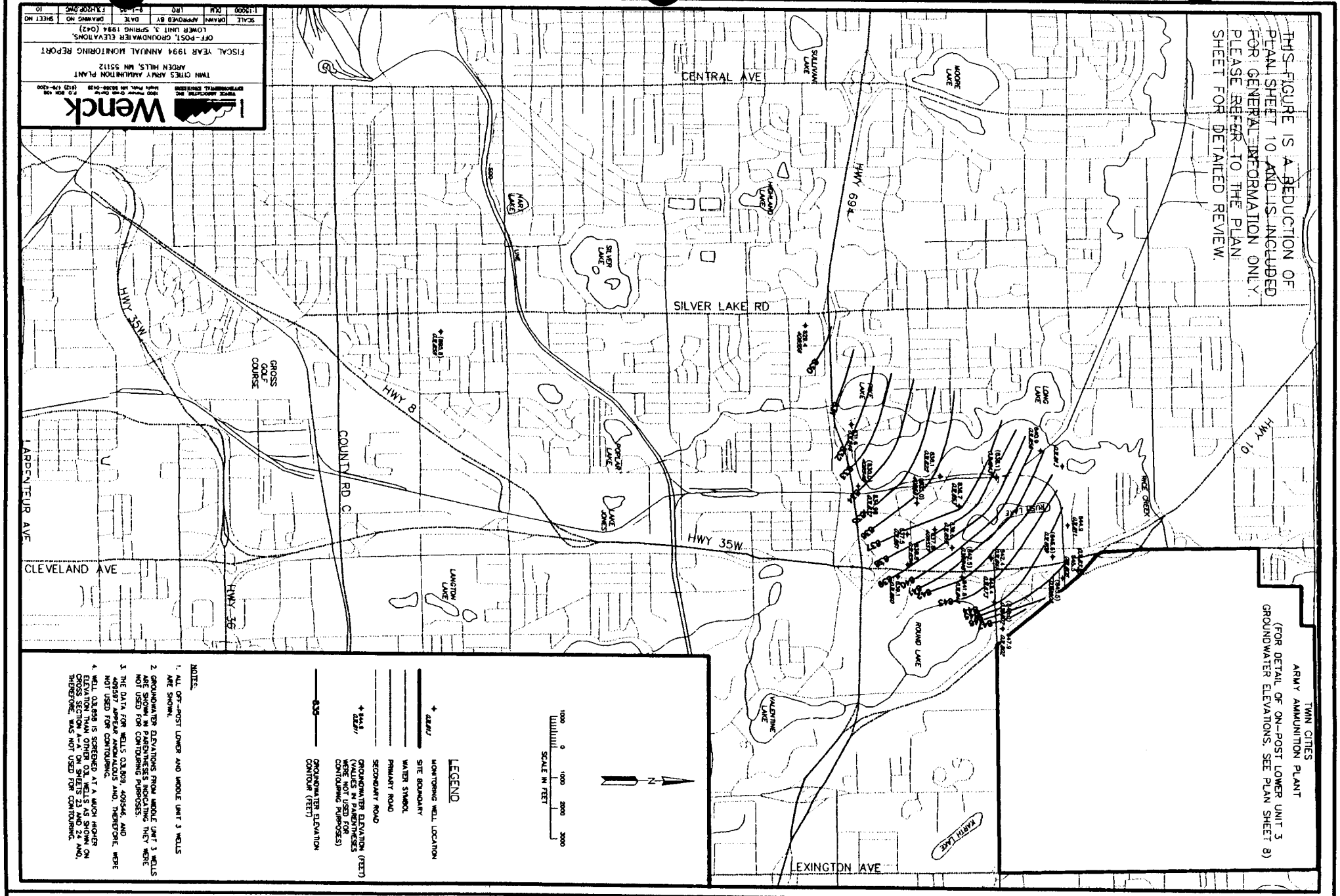
figure V-4
ON-POST, GROUNDWATER ELEVATIONS,
LOWER UNIT 3, SPRING 1994 (Q42)
Twin Cities Army Ammunition Plant



CRA

figure V-5
ON-POST, GROUNDWATER ELEVATIONS, LOWER UNIT 3, FALL 1994 (Q44)
Twin Cities Army Ammunition Plant

5530( )-DEC. 19/94-REV.0 (MN)



TWIN CITIES ARMY AMMUNITION PLANT

Off-Post, Groundwater Elevations, Lower Unit 3, Spring 1994 (Q42)

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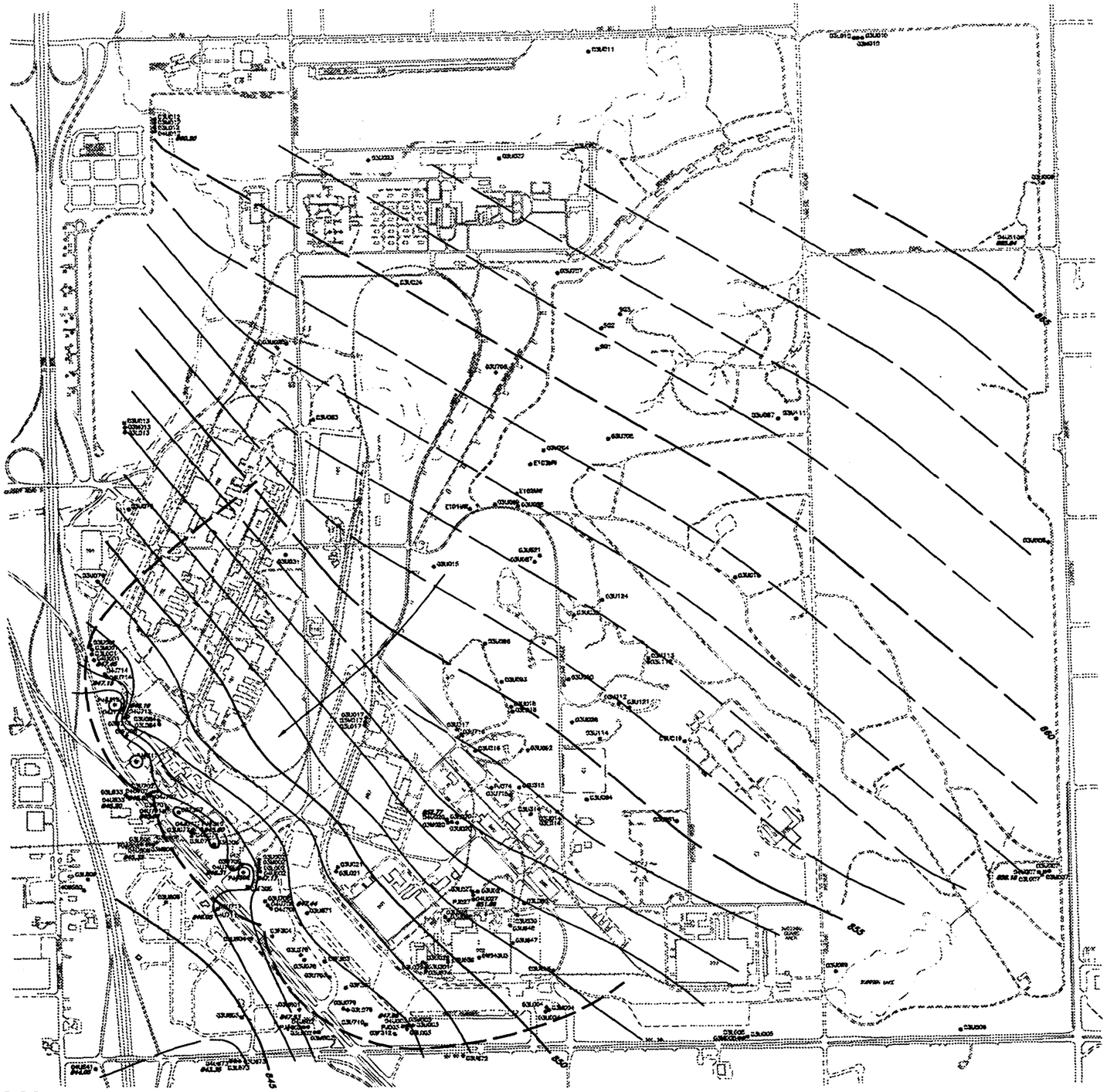
Fig. V-6



LEGEND

857.54 GROUNDWATER ELEVATION IN FEET AMSL (3-1-94)

GROUNDWATER CONTOUR

DIRECTION OF GROUNDWATER FLOW

LIMIT OF CAPTURE

figure V-7
ON-POST, GROUNDWATER ELEVATIONS,
UPPER UNIT 4, SPRING 1994 (Q42)
Twin Cities Army Ammunition Plant

CRA

5530( )-DEC. 19/94-REV.0 (MN)

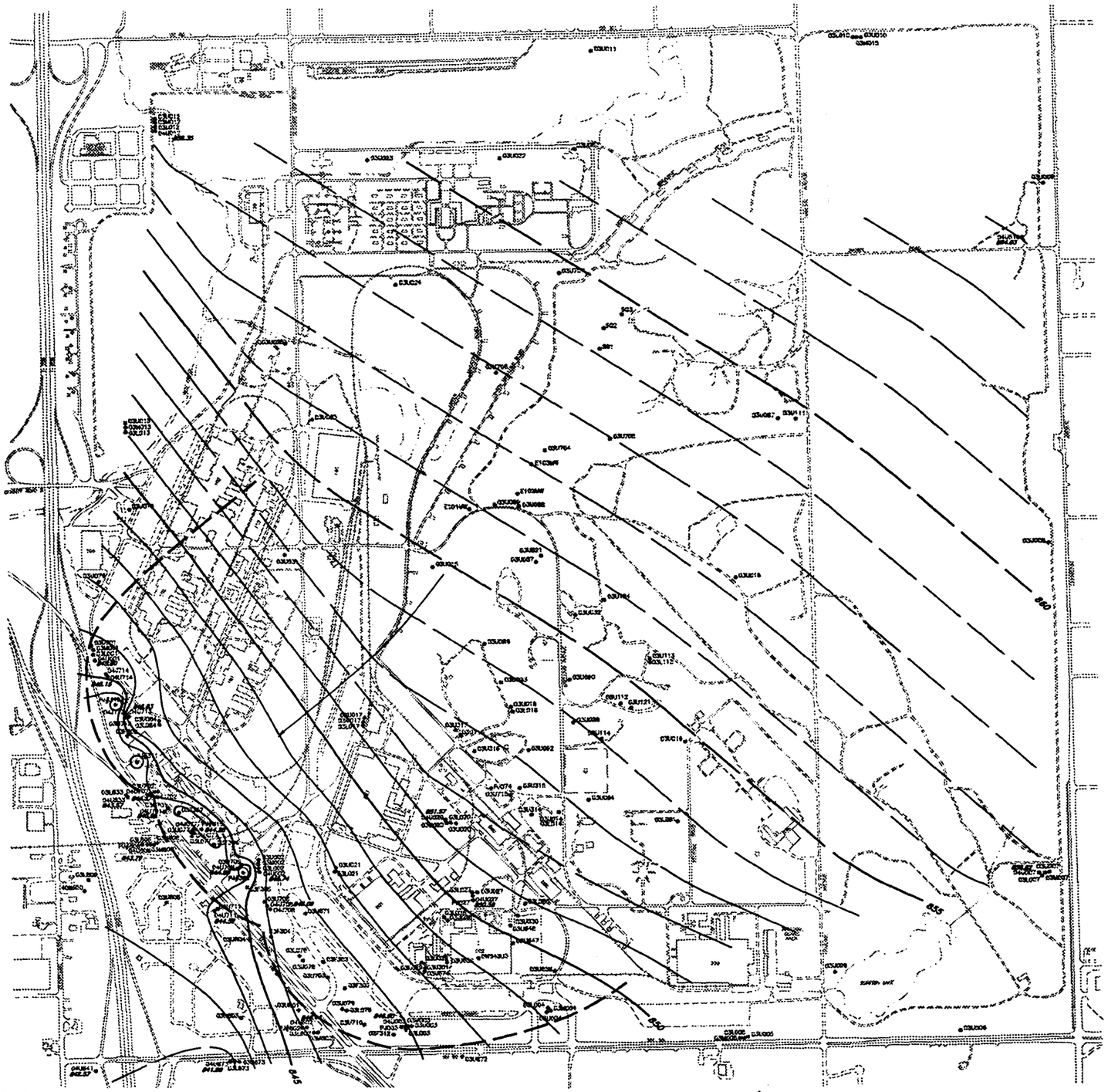
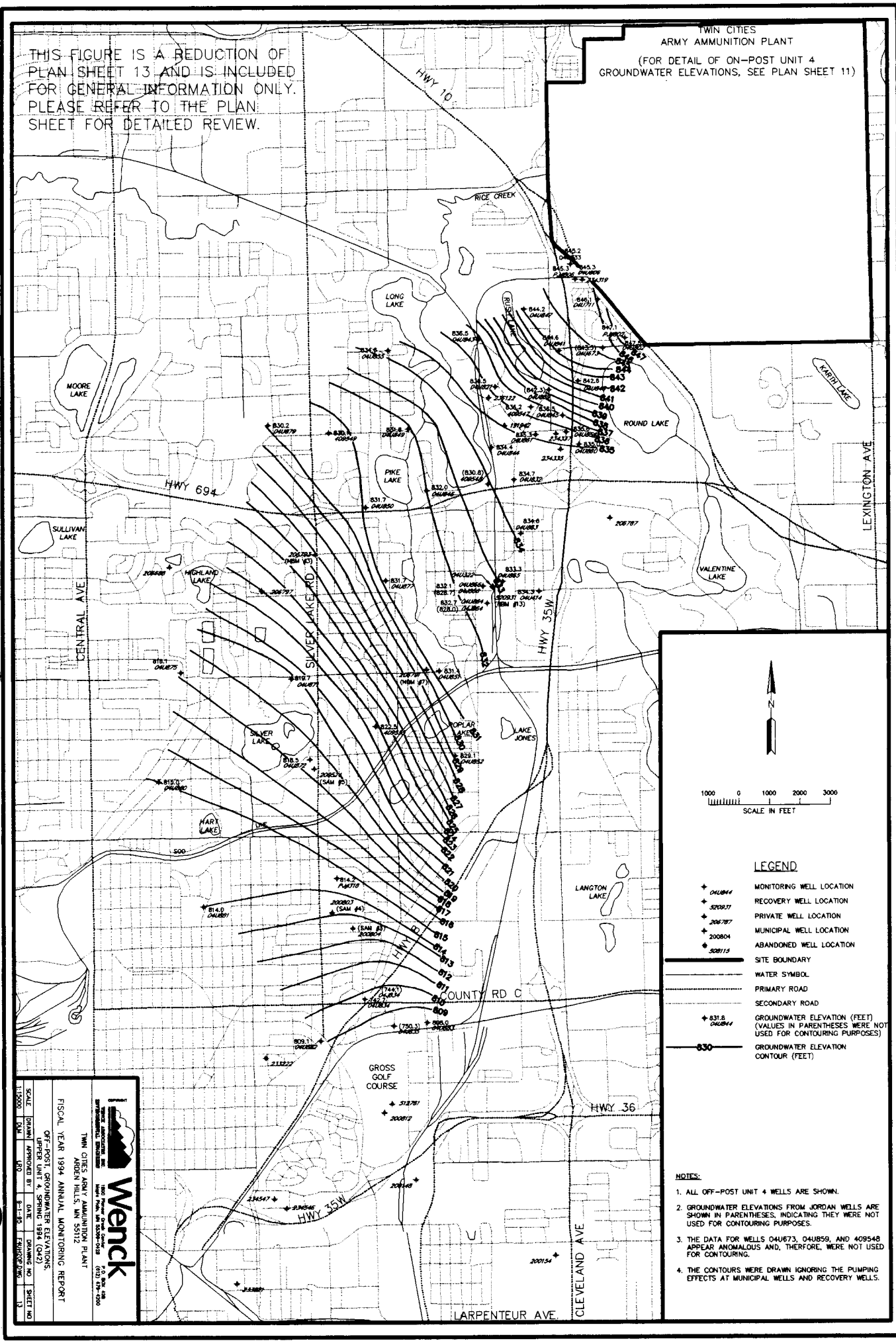


figure V-8
ON-POST, GROUNDWATER ELEVATIONS,
UPPER UNIT 4, FALL 1994 (Q44)
Twin Cities Army Ammunition Plant

5530( )-DEC. 19/94-REV.0 (MN)


THIS FIGURE IS A REDUCTION OF PLAN SHEET 13 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.
TWIN CITIES ARMY AMMUNITION PLANT
(FOR DETAIL OF ON-POST UNIT 4 GROUNDWATER ELEVATIONS, SEE PLAN SHEET 11)
HWY 10
RICE CREEK
LONG LAKE
MOORE LAKE
PIKE LAKE
ROUND LAKE
KARITH LAKE
LEXINGTON AVE
HWY 694
SULLIVAN LAKE
HIGHLAND LAKE
CENTRAL AVE
SILVER LAKE RD
HWY 35W
VALENTINE LAKE
SILVER LAKE
POPLAR LAKE
LAKE JONES
HARY LAKE
LANGTON LAKE
COUNTY RD C
HWY 96
GROSS GOLF COURSE
HWY 36
CLEVELAND AVE
LARPENTEUR AVE
1000 0 1000 2000 3000
SCALE IN FEET
LEGEND
MONITORING WELL LOCATION
RECOVERY WELL LOCATION
PRIVATE WELL LOCATION
MUNICIPAL WELL LOCATION
ABANDONED WELL LOCATION
SITE BOUNDARY
WATER SYMBOL
PRIMARY ROAD
SECONDARY ROAD
GROUNDWATER ELEVATION (FEET) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
GROUNDWATER ELEVATION CONTOUR (FEET)
NOTES:
1. ALL OFF-POST UNIT 4 WELLS ARE SHOWN.
2. GROUNDWATER ELEVATIONS FROM JORDAN WELLS ARE SHOWN IN PARENTHESES, INDICATING THEY WERE NOT USED FOR CONTOURING PURPOSES.
3. THE DATA FOR WELLS 04U673, 04U859, AND 409548 APPEAR ANOMALOUS AND, THERFORE, WERE NOT USED FOR CONTOURING.
4. THE CONTOURS WERE DRAWN IGNORING THE PUMPING EFFECTS AT MUNICIPAL WELLS AND RECOVERY WELLS.
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TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112
FISCAL YEAR 1994 ANNUAL MONITORING REPORT
OFF-POST, GROUNDWATER ELEVATIONS
UPPER UNIT 4, SPRING 1994 (Q42)
SCALE 1:35000
DRAWN DJM
APPROVED BY LPD
DATE 6-1-95
DRAWING NO F:\MISC\P.DWG
SHEET NO 13
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Maple Plain, MN 55359-0428
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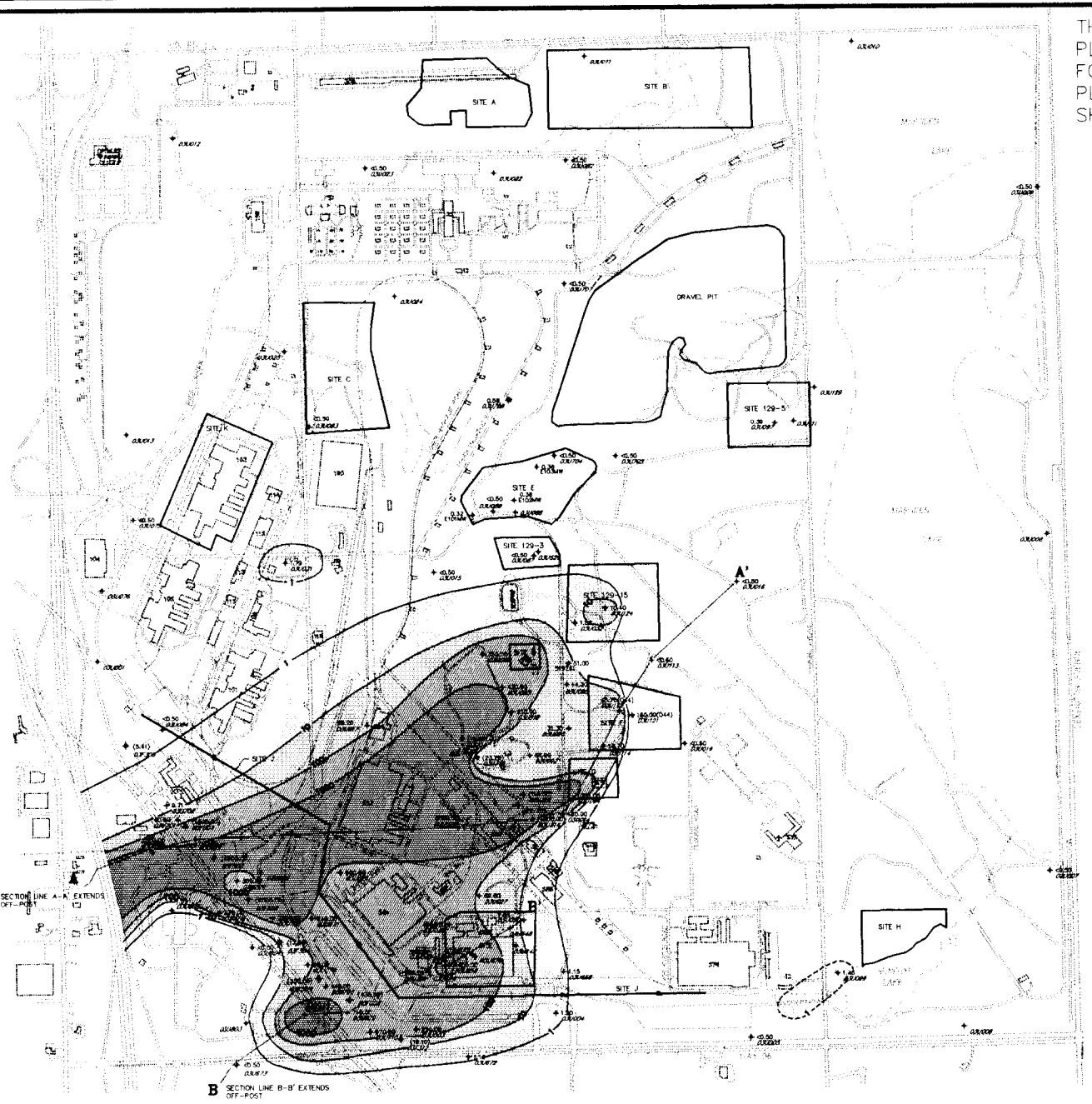
Fig. V-9
TWIN CITIES ARMY AMMUNITION PLANT
Off-Post, Groundwater Elevations, Upper Unit 4, Spring 1994 (Q42)



THIS FIGURE IS A REDUCTION OF PLAN SHEET 14 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

N

400 0 400 800
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- 220.00 — TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 — ISOCONCENTRATION CONTOUR (ug/l)
- 10 — ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:

1. ALL UPPER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. 03F AND 03U RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT CONCENTRATIONS WERE NOT USED FOR CONTOURING.
3. RECOVERY WELL NAME CONVERSIONS:

03F302	B-1
03F303	B-2
03F304	B-3
03F305	B-4
03F306	B-5
03F307	B-6
03F308	B-7
03F312	B-11
03U301	SC-1
03U314	SC-2
03U315	SC-3
03U316	SC-4
03U317	SC-5

4. ALL DATA IS FROM QUARTER 42(Q42) UNLESS OTHERWISE INDICATED.

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TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112

FISCAL YEAR 1994 ANNUAL MONITORING REPORT

ON-POST, TRICHLOROETHENE
UPPER UNIT 3, SPRING 1994 (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO.	SHEET NO.
1:8000	DLM	LRO	9-1-95	ON3UTRCL.DWG	14

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, Trichloroethene, Upper Unit 3, Spring 1994 (Q42)

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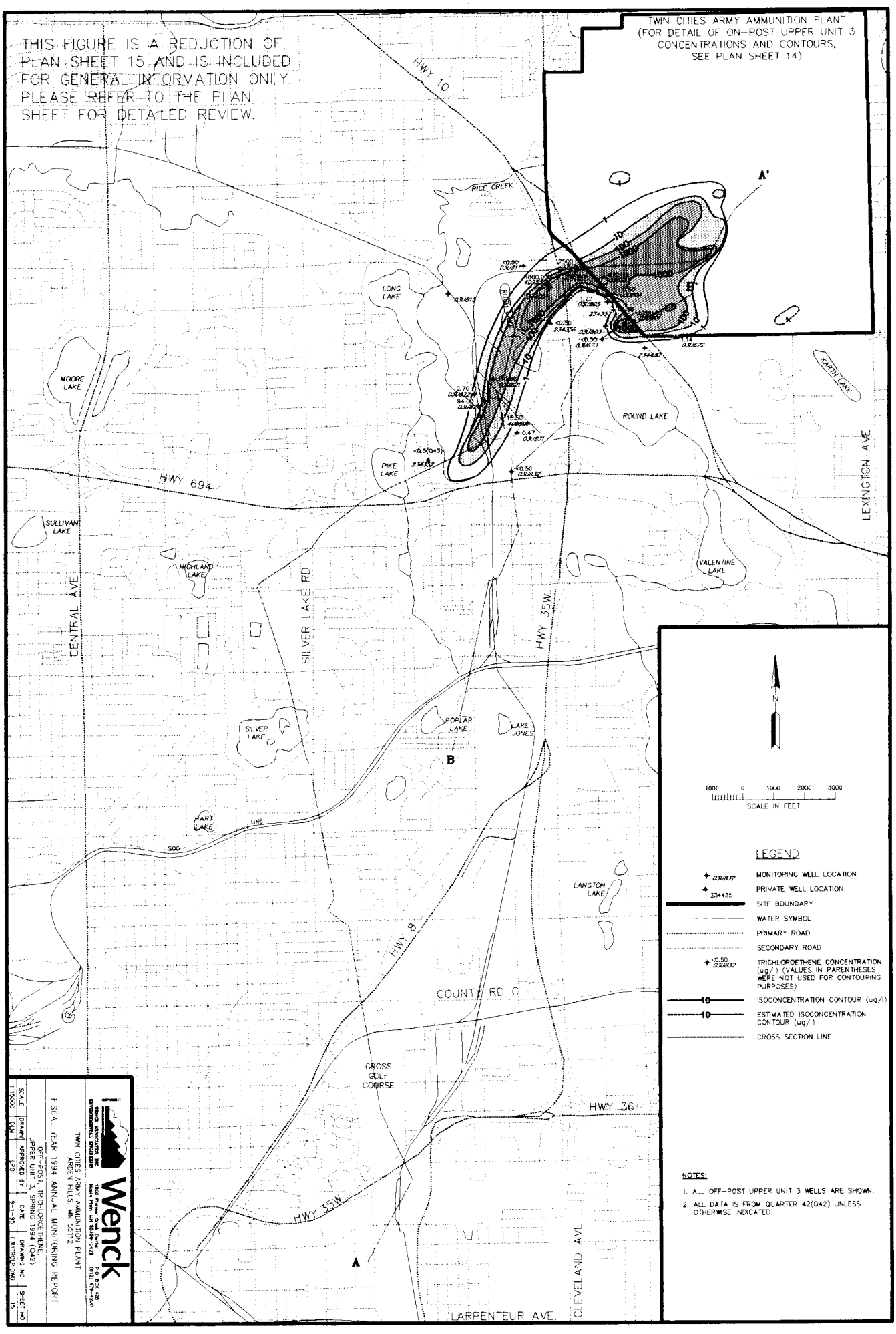
SEPT. 1995

Fig. VI-1


THIS FIGURE IS A REDUCTION OF PLAN SHEET 15 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.
TWIN CITIES ARMY AMMUNITION PLANT (FOR DETAIL OF ON-POST UPPER UNIT 3 CONCENTRATIONS AND CONTOURS, SEE PLAN SHEET 14)
HWY 10
RICE CREEK
LONG LAKE
MOORE LAKE
KARTH LAKE
ROUND LAKE
PIKE LAKE
HWY 694
LEXINGTON AVE
SULLIVAN LAKE
HIGHLAND LAKE
CENTRAL AVE
SILVER LAKE RD
HWY 35W
VALENTINE LAKE
SILVER LAKE
POPLAR LAKE
LAKE JONES
HART LAKE
500'
LINE
LANGTON LAKE
HWY 8
COUNTY RD C
GROSS GOLF COURSE
HWY 36
HWY 35W
LARPENTEUR AVE
CLEVELAND AVE
A
A'
B
B'
N
1000 0 1000 2000 3000
SCALE IN FEET
LEGEND
MONITORING WELL LOCATION
PRIVATE WELL LOCATION
SITE BOUNDARY
WATER SYMBOL
PRIMARY ROAD
SECONDARY ROAD
TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
ISOCONCENTRATION CONTOUR (ug/l)
ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
CROSS SECTION LINE
NOTES:
1. ALL OFF-POST UPPER UNIT 3 WELLS ARE SHOWN.
2. ALL DATA IS FROM QUARTER 42(Q42) UNLESS OTHERWISE INDICATED.
Wenck
TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112
FISCAL YEAR 1994 ANNUAL MONITORING REPORT
OFF-POST, TRICHLOROETHENE
UPPER UNIT 3, SPRING 1994 (Q42)
SCALE 1:15000
DRAWN RJN
APPROVED BY JPD
DATE 8-1-95
DRAWING NO. EXTRSHP.DWG
SHEET NO 15
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P.O. Box 428
Maple Plain, MN 55359-0428
(612) 479-0200
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Fig. VI-2
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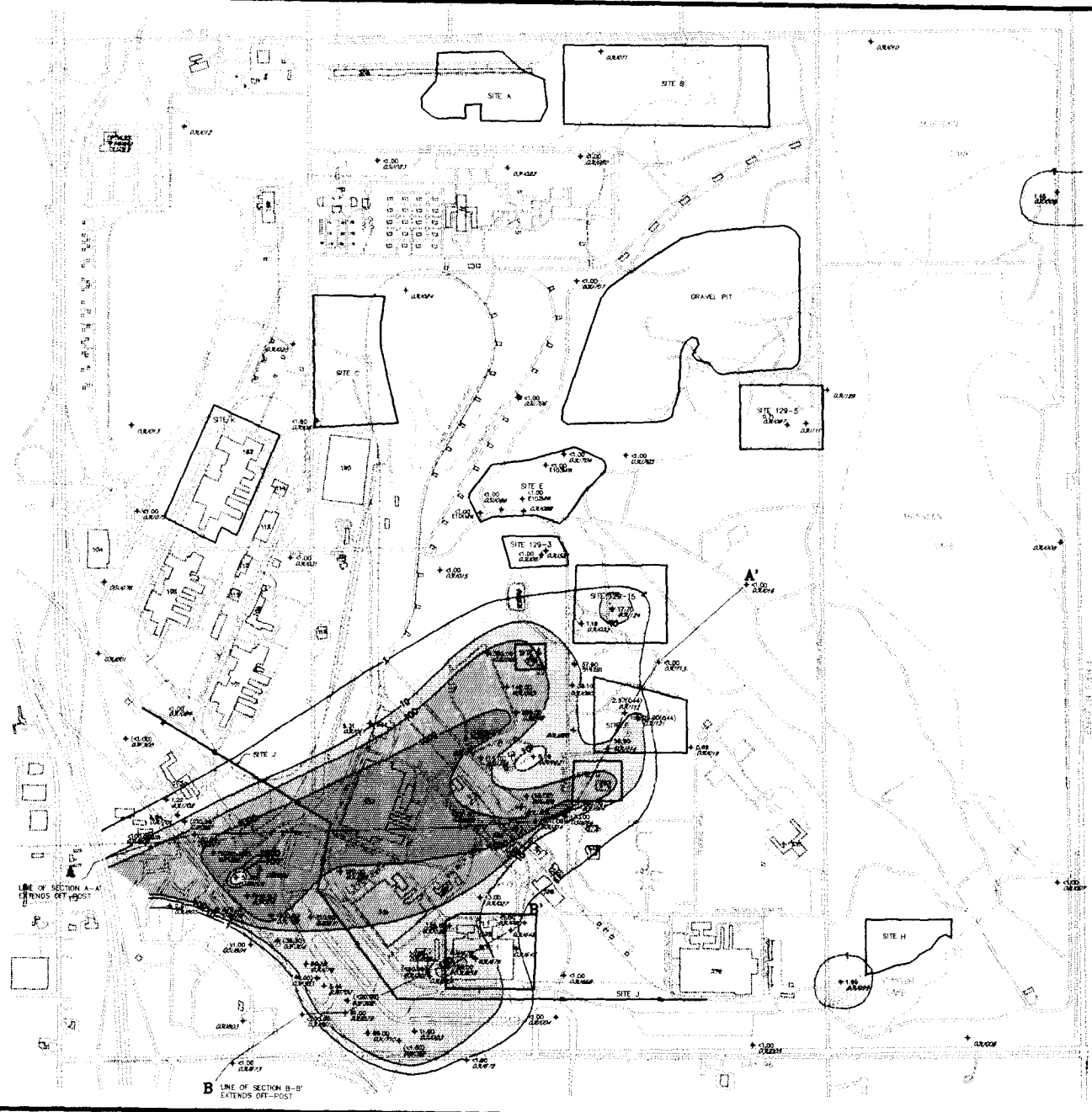
TWIN CITIES ARMY AMMUNITION PLANT
Off-Post, Trichloroethene, Upper Unit 3, Spring 1994 (Q42)



THIS FIGURE IS A REDUCTION OF PLAN SHEET 16 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

N

400 0 400 800
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- 1,1,1-TRICHLOROETHANE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:
1. ALL UPPER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. 03F AND 03U RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. RECOVERY WELL NAME CONVERSIONS:

03F302	B-1
03F303	B-2
03F304	B-3
03F305	B-4
03F306	B-5
03F307	B-6
03F308	B-7
03F312	B-11
03U301	SC-1
03U314	SC-2
03U315	SC-3
03U316	SC-4
03U317	SC-5

4. ALL DATA IS FROM QUARTER 42(Q42) UNLESS OTHERWISE INDICATED

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ARDEN HILLS, MN 55112

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ON-POST, 1,1,1-TRICHLOROETHANE
UPPER UNIT 3, SPRING 1994 (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	DLM	LRO	9-1-95	ON3U111T.DWG	16

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, 1,1,1-Trichloroethane, Upper Unit 3, Spring 1994 (Q42)

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Fig. VI-3

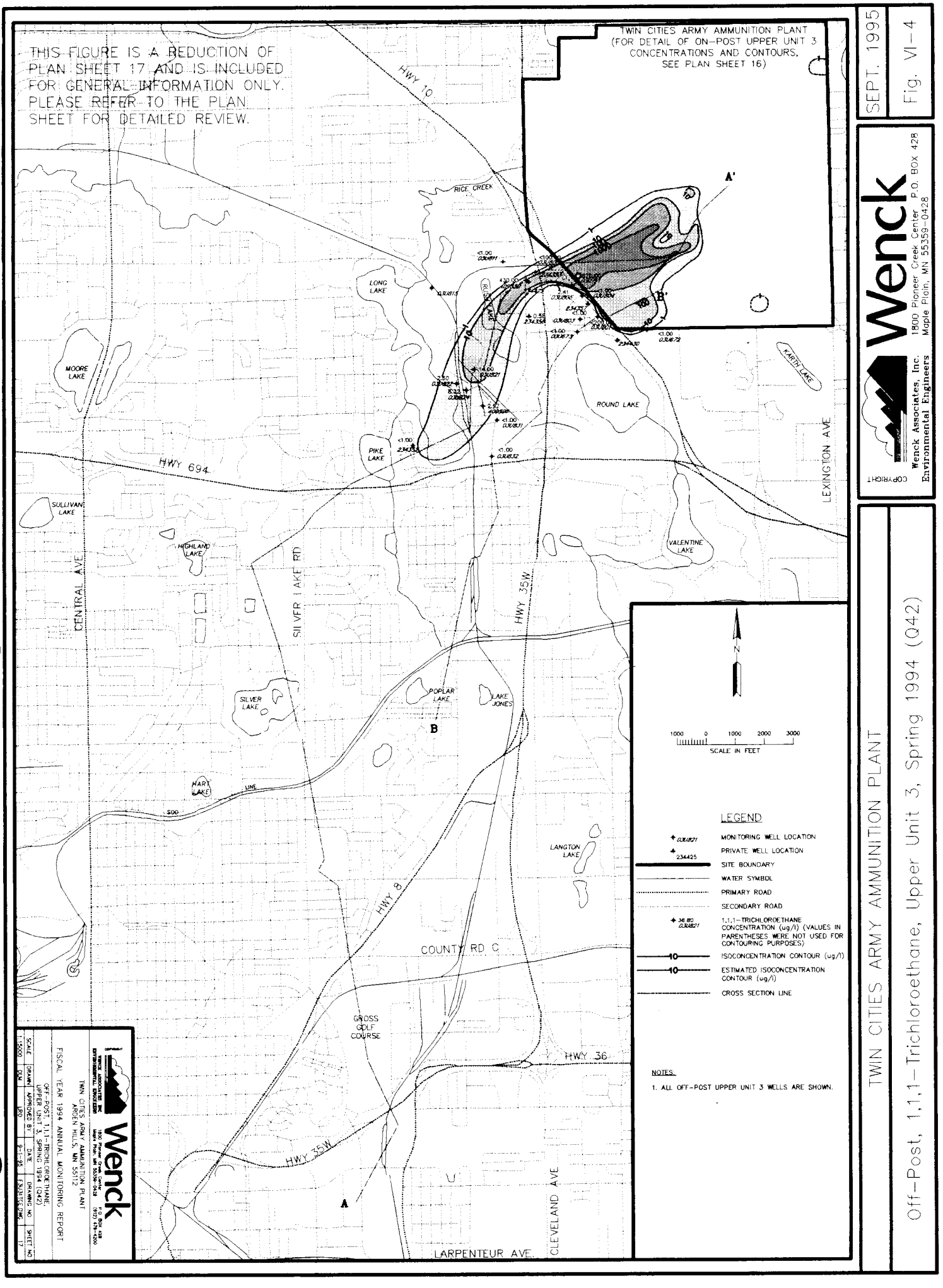
THIS FIGURE IS A REDUCTION OF PLAN SHEET 17 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.
TWIN CITIES ARMY AMMUNITION PLANT (FOR DETAIL OF ON-POST UPPER UNIT 3 CONCENTRATIONS AND CONTOURS, SEE PLAN SHEET 16)
HWY 10
RICE CREEK
LONG LAKE
MOORE LAKE
PIKE LAKE
ROUND LAKE
KARTH LAKE
LEXINGTON AVE
HWY 694
SULLIVAN LAKE
HIGHLAND LAKE
CENTRAL AVE
SILVER LAKE RD
HWY 35W
VALENTINE LAKE
SILVER LAKE
POPLAR LAKE
LAKE JONES
HART LAKE
500
LINE
LANGTON LAKE
HWY 8
COUNTY RD C
GROSS GOLF COURSE
HWY 36
HWY 35W
CLEVELAND AVE
LARPENTEUR AVE
A
A'
B
B'
N
1000 0 1000 2000 3000
SCALE IN FEET
LEGEND
MONITORING WELL LOCATION
PRIVATE WELL LOCATION
SITE BOUNDARY
WATER SYMBOL
PRIMARY ROAD
SECONDARY ROAD
1,1,1-TRICHLOROETHANE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
ISOCONCENTRATION CONTOUR (ug/l)
ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
CROSS SECTION LINE
NOTES.
1. ALL OFF-POST UPPER UNIT 3 WELLS ARE SHOWN.
Wenck
TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112
FISCAL YEAR 1994 ANNUAL MONITORING REPORT
OFF-POST, 1,1,1-TRICHLOROETHANE, UPPER UNIT 3, SPRING 1994 (Q42)
SCALE 1:12000
DRAWN DKM
APPROVED BY LRO
DATE 9-1-95
DRAWING NO. 1503TCA1.DWG
SHEET NO. 17
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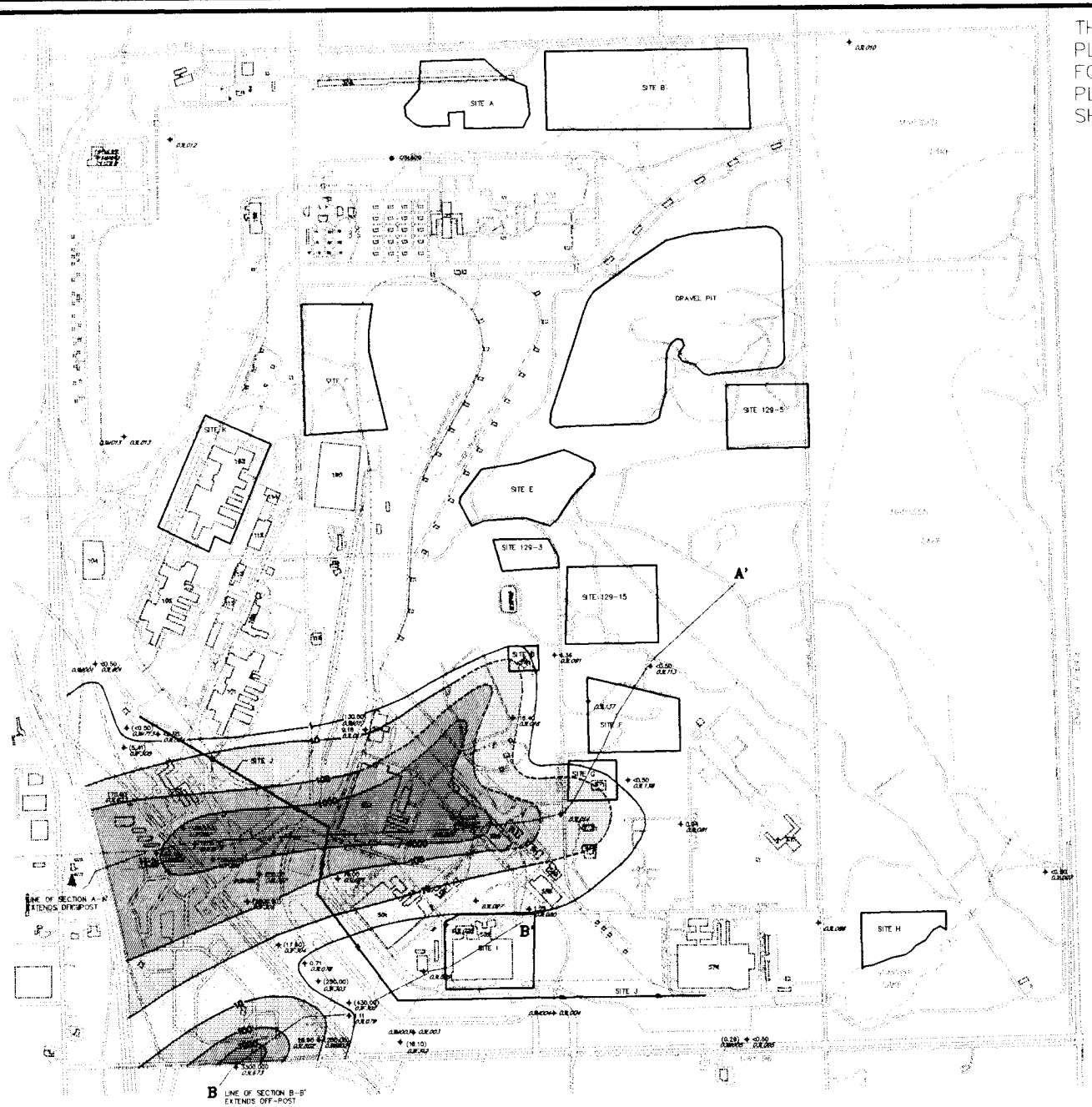
Fig. VI-4
TWIN CITIES ARMY AMMUNITION PLANT
Off-Post, 1,1,1-Trichloroethane, Upper Unit 3, Spring 1994 (Q42)



THIS FIGURE IS A REDUCTION OF PLAN SHEET 18 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

N

400 0 400 800
SCALE IN FEET

LEGEND

- 03L002 — MONITORING WELL LOCATION
- 03F302 — RECOVERY WELL LOCATION
- 03M505 — ABANDONED WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- 946.00 03L002 — TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 — ISOCONCENTRATION CONTOUR (ug/l)
- 10 — ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:

1. ALL LOWER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. MIDDLE UNIT 3 WELLS WITH DATA FOR QUARTER 42 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. 03F RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. RECOVERY WELL NAME CONVERSIONS

03F302	B-1
03F303	B-2
03F304	B-3
03F305	B-4
03F306	B-5
03F307	B-6
03F308	B-7
03F312	B-11

5. A TRICHLOROETHENE CONCENTRATION OF 4700.00 ug/l WAS ASSUMED AT 03L020 FOR CONTOURING PURPOSES THIS WAS THE CONCENTRATION ON AUGUST 17 ,1988, THE LAST TIME THIS WELL WAS SAMPLED.

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TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112

FISCAL YEAR 1994 ANNUAL MONITORING REPORT

ON-POST, TRICHLOROETHENE
LOWER UNIT 3, SPRING 1994 (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	PLM	LRO	9-1-95	ONLTRCLE.DWG	18

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, Trichloroethene, Lower Unit 3, Spring 1994 (Q42)

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Fig. VI-5

TWIN CITIES ARMY AMMUNITION PLANT

Off Post, Trichloroethene, Lower Unit 3, Spring 1994 (042)

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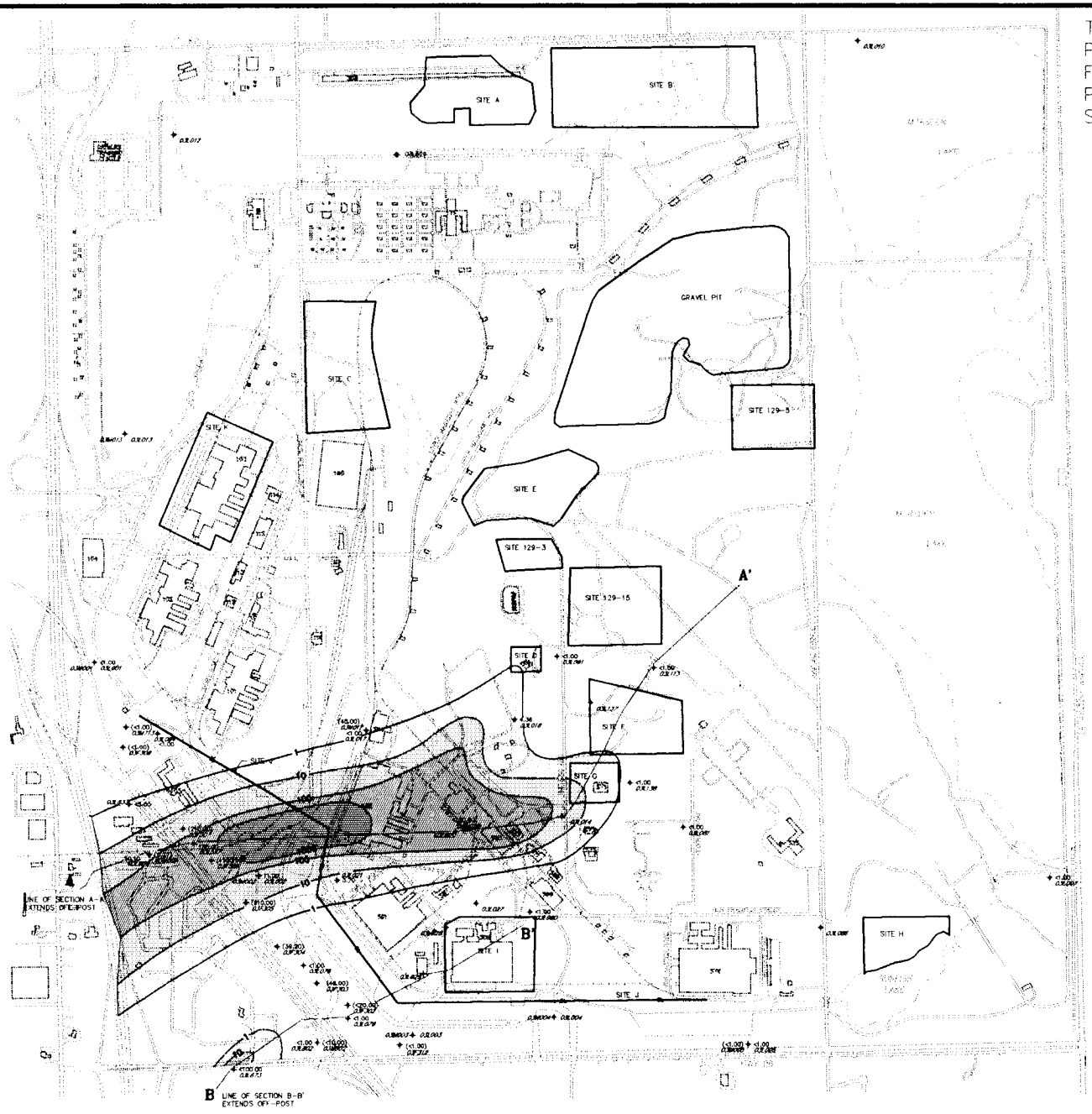
Fig. VI-6



THIS FIGURE IS A REDUCTION OF PLAN SHEET 20 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

N

400 0 400 800
SCALE IN FEET

LEGEND

- 03L002 — MONITORING WELL LOCATION
- 03F302 — RECOVERY WELL LOCATION
- 03M505 — ABANDONED WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- 140.00 / 03X002 — 1,1,1-TRICHLOROETHANE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 — ISOCONCENTRATION CONTOUR (ug/l)
- 10 — ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:
1. ALL LOWER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. MIDDLE UNIT 3 WELLS WITH DATA FOR QUARTER 42 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. 03F RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. RECOVERY WELL NAME CONVERSIONS:

03F302	B-1
03F303	B-2
03F304	B-3
03F305	B-4
03F306	B-5
03F307	B-6
03F308	B-7
03F312	B-11

5. A TRICHLOROETHENE CONCENTRATION OF 4700.00 ug/L WAS ASSUMED AT 03L020 FOR CONTOURING PURPOSES, THIS WAS THE CONCENTRATION ON AUGUST 17, 1988, THE LAST TIME THE WELL WAS SAMPLED.
6. THE CONTOUR AROUND 03L673 IS BASED ON CROSS-SECTION B - B' ON PLAN SHEET 27.

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TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112

FISCAL YEAR 1994 ANNUAL MONITORING REPORT

ON-POST, 1,1,1-TRICHLOROETHANE
LOWER UNIT 3, SPRING 1994 (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	DLM	LRO	9-1-95	ONL1117C.DWG	20

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, 1,1,1-Trichloroethane, Lower Unit 3, Spring 1994 (Q42)

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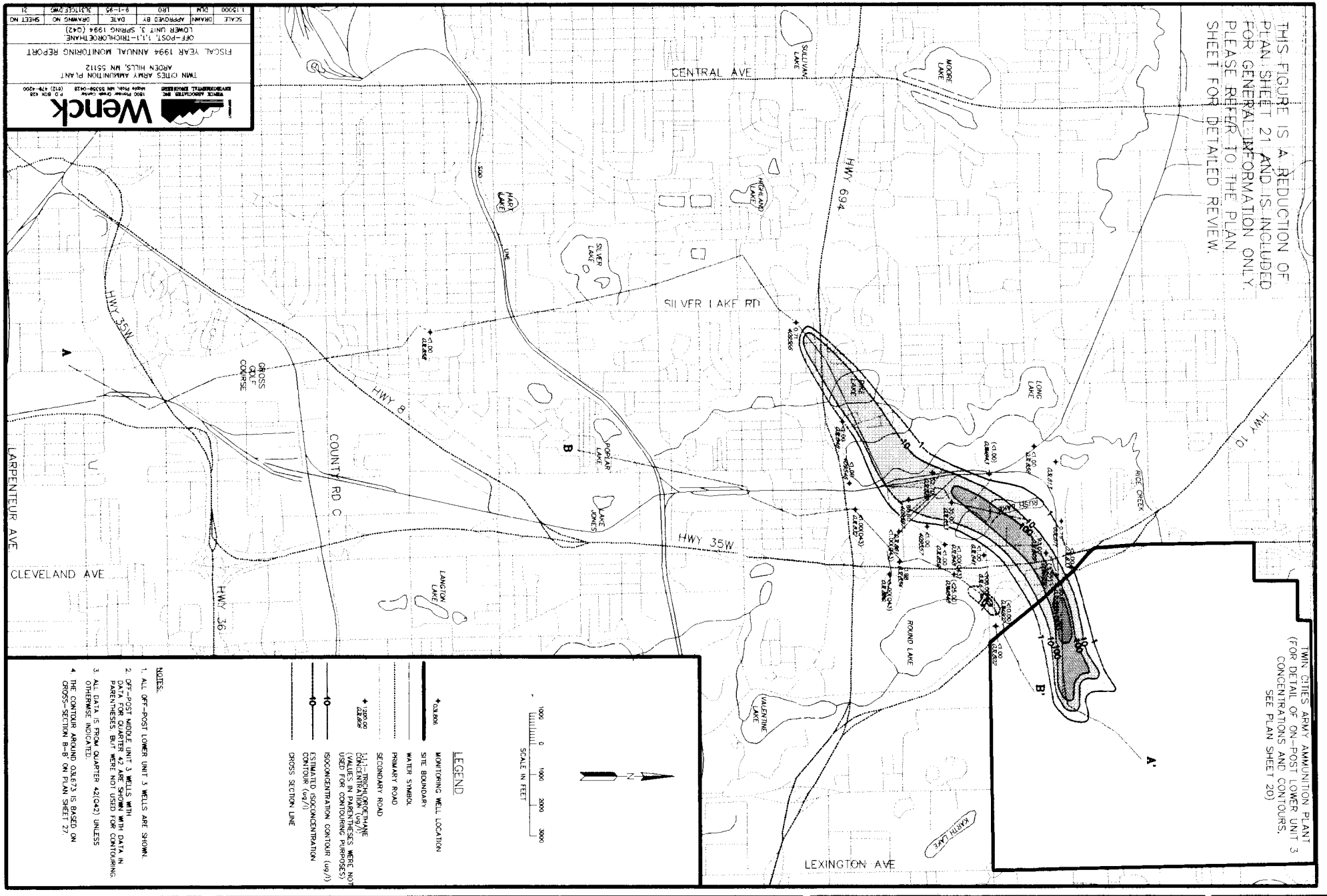
Fig. VI-7



TWIN CITIES ARMY AMMUNITION PLANT

Off-Post, 1,1,1-Trichloroethane, Lower Unit 3, Spring 1994 (Q42)

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Fig. VI-8

THIS FIGURE IS A REDUCTION OF PLAN SHEET 22 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

N

400 0 400 800
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 ISOCONCENTRATION CONTOUR (ug/l)
- 40 ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:

1. ALL UNIT 4 WELLS AT THE SITE ARE SHOWN.
2. ALL 04J WELLS (JORDAN WELLS) WITH DATA FOR QUARTER 42 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. ALL PJ# RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. PJ# MONITORING WELLS WITH DATA FOR QUARTER 42 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
5. RECOVERY WELL NAME CONVERSIONS:

PJ# 309	B-8
PJ# 310	B-9
PJ# 311	B-10
PJ# 313	B-12

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ON-POST, TRICHLOROETHENE, UPPER UNIT 4, SPRING 1994 (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:8000	DLM	LRO	9-1-95	N4UTRCLP.DWG	22

TWIN CITIES ARMY AMMUNITION

On-Post, Trichloroethene, Upper Unit 4, Spring 1994 (Q42)

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Fig. VI-9

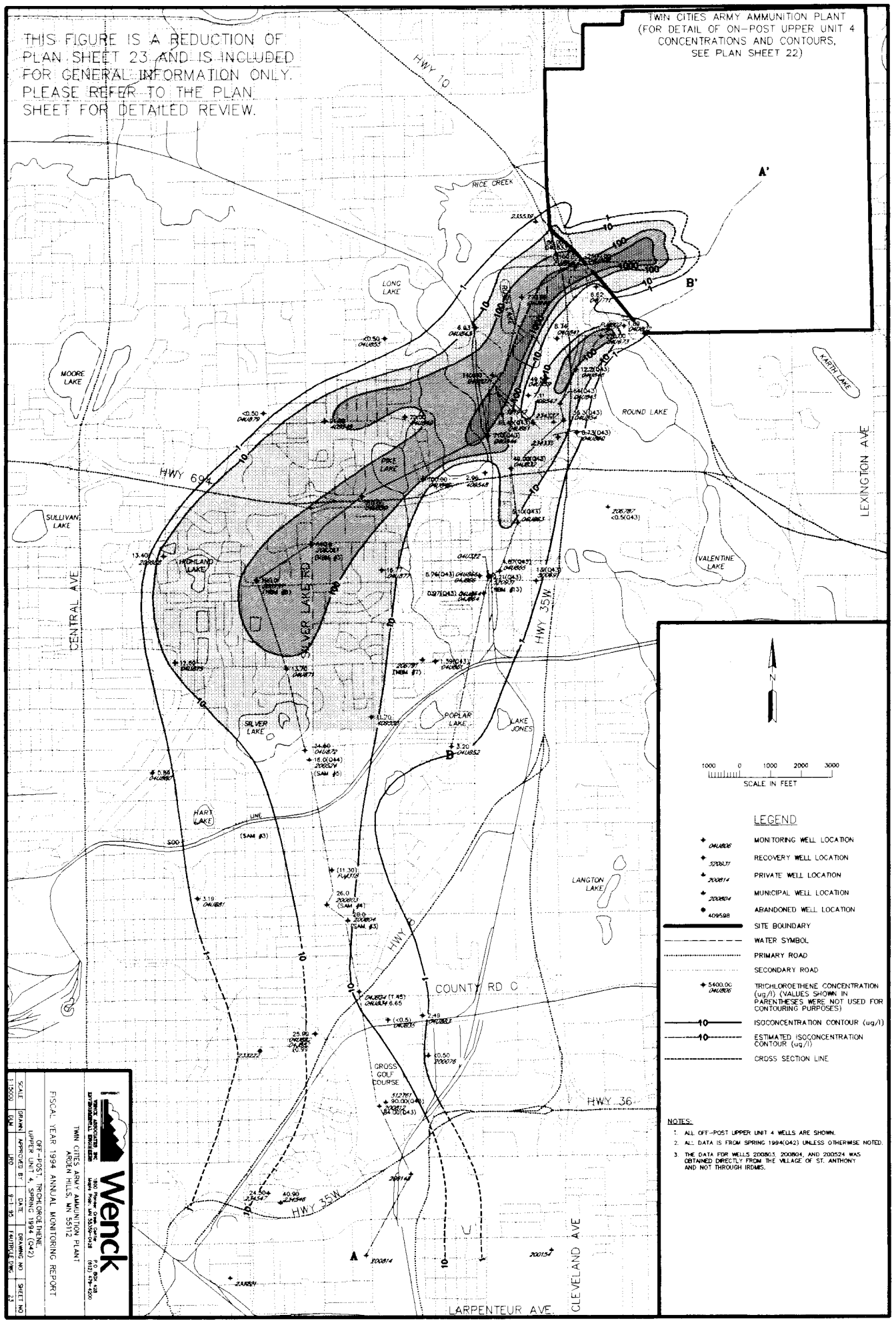

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Fig. VI-10

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TWIN CITIES ARMY AMMUNITION PLANT

Off-Post, Trichloroethene, Upper Unit 4, Spring 1994 (Q42)

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TWIN CITIES ARMY AMMUNITION PLANT
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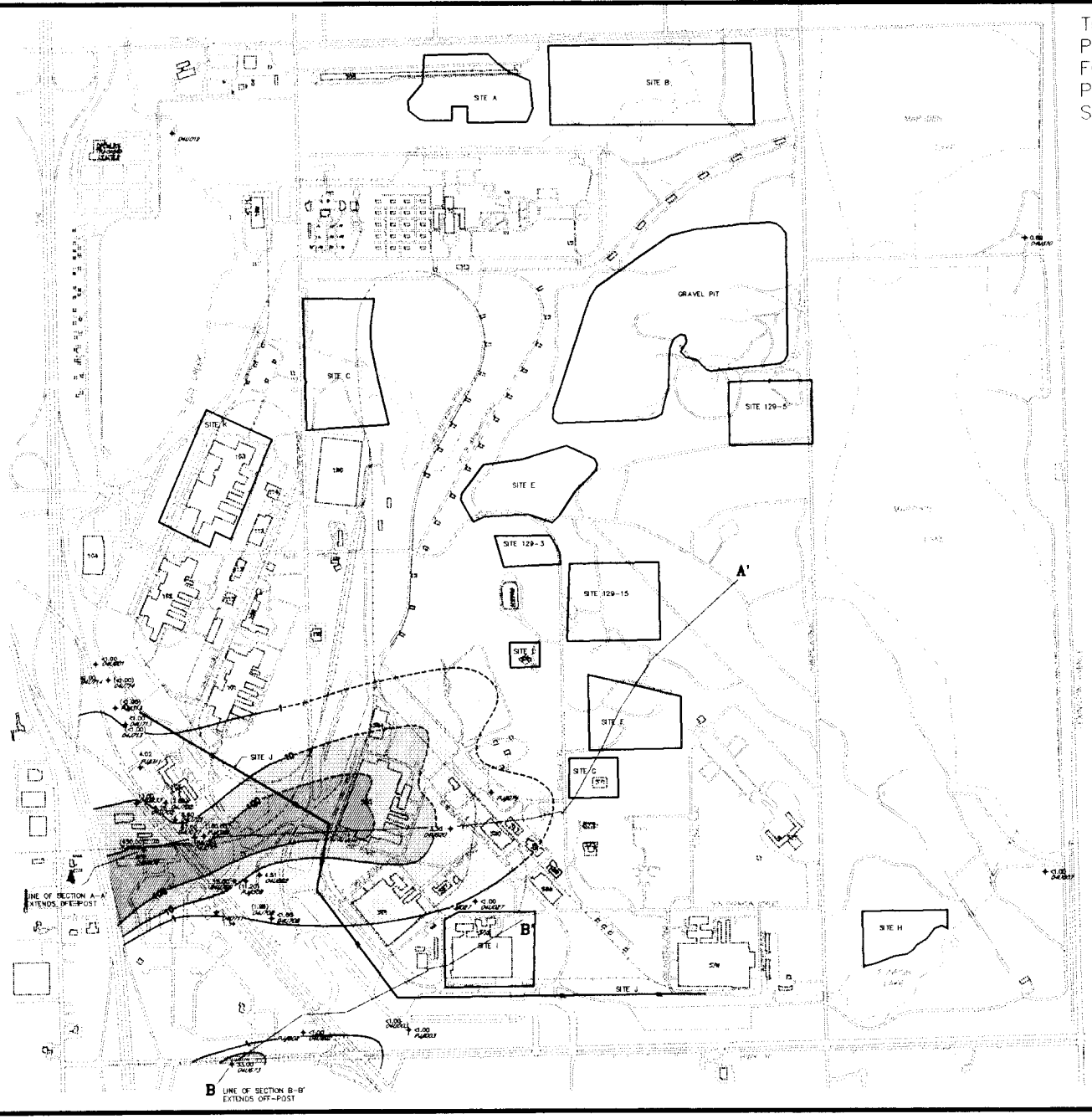
FISCAL YEAR 1994 ANNUAL MONITORING REPORT

OFF-POST, TRICHLOROETHENE, UPPER UNIT 4, SPRING 1994 (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:15000	DM	JPD	9-1-95	FAIRTRICE.DWG	23



THIS FIGURE IS A REDUCTION OF PLAN SHEET 24 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

N

400 0 400 800
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- 1,1,1-TRICHLOROETHANE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 ISOCONCENTRATION CONTOUR (ug/l)
- 10 ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:
1. ALL UNIT 4 WELLS AT THE SITE ARE SHOWN.
2. ALL 04J WELLS (JORDAN WELLS) WITH DATA FOR QUARTER 42 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. ALL PJ# RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. PJ# MONITORING WELLS WITH DATA FOR QUARTER 42 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
5. RECOVERY WELL NAME CONVERSIONS:

PJ#309	B-8
PJ#310	B-9
PJ#311	B-10
PJ#313	B-12

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FISCAL YEAR 1994 ANNUAL MONITORING REPORT

ON-POST, 1,1,1-TRICHLOROETHANE
UPPER UNIT 4, SPRING 1994 (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	PLM	LRO	9-1-95	QN4U111.DWG	24

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, 1,1,1-Trichloroethane, Upper Unit 4, Spring 1994 (Q42)

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Fig. VI-11

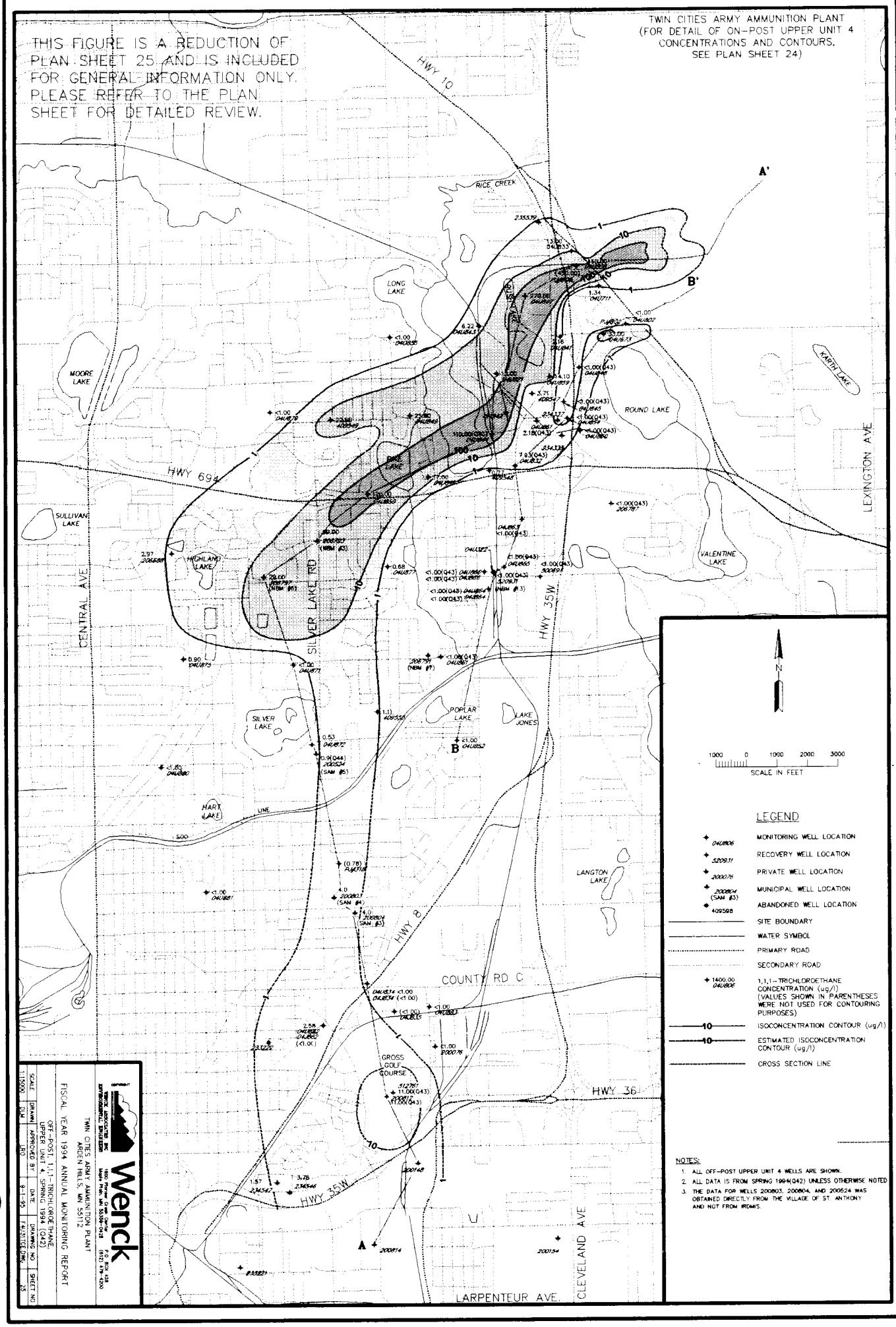

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Fig VI-12

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TWIN CITIES ARMY AMMUNITION PLANT

Off-Post, 1,1,1-Trichloroethane, Upper Unit 4, Spring 1994 (042)

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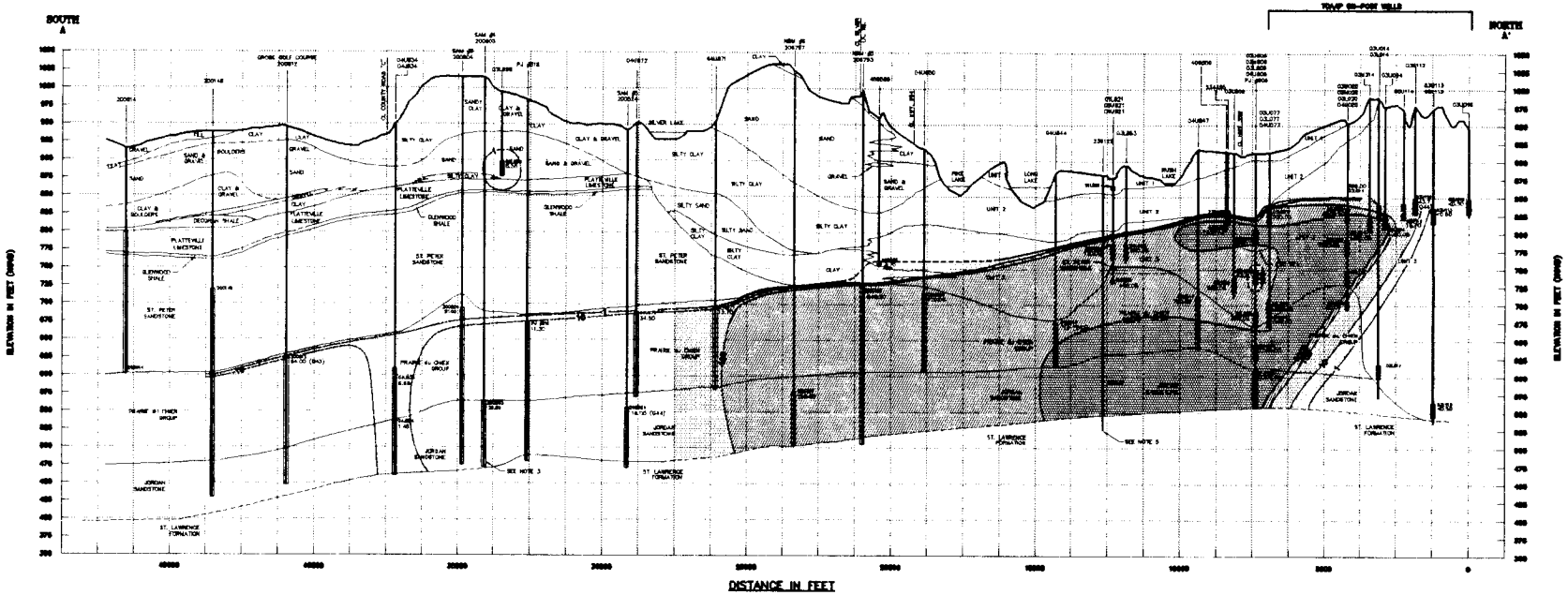
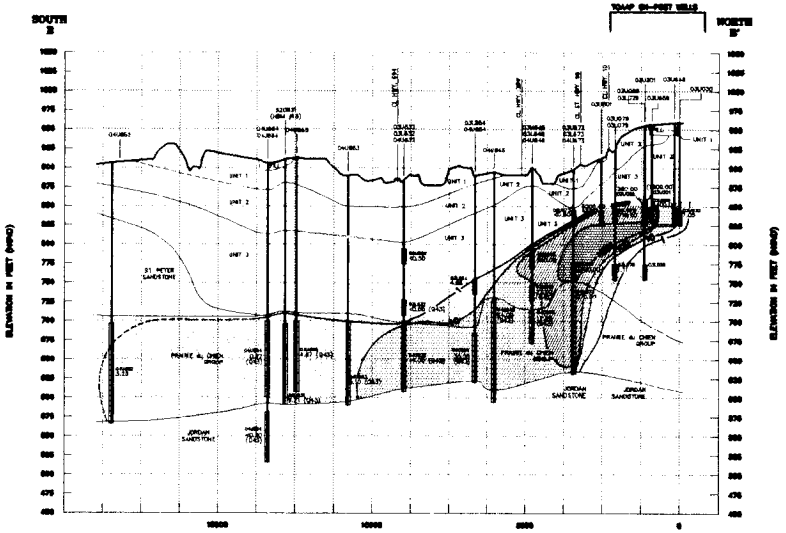
OFF-POST, 1,1,1-TRICHLOROETHANE, UPPER UNIT 4, SPRING 1994 (042)

SCALE	DRAWN BY	APPROVED BY	DATE	DRAWING NO.	SHEET NO.
1:15000	BJM	LEO	9-1-95	F:\SITE\CAD\	25



CROSS SECTION A–A'



CROSS SECTION B–B'

NOTES

(1) CROSS SECTION: TOPOGRAPHY CONSTRUCTED WITH DATA FROM U.S.G.S. NEW BRIGHTON 7.5 MINUTE SERIES QUAD MAP DATED 1957 (PHOTOREVISED 1972, AND 1980). WELL LOCATIONS AND THE "LINE" OF SECTION ARE SHOWN ON SHEET NO. 4.

(2) WELL NESTS, CONSISTING OF INDIVIDUAL WELLS IN THE SAME PROXIMITY, ARE REPRESENTED ON THE CROSS SECTION BY A SINGLE LINE WITH MULTIPLE WELL SCREENS.

(3) FOR SECTION A–A' NO INFORMATION WAS PROVIDED ON THE WELL LOG FOR 200803 (SAM #4) CONCERNING WELL CONSTRUCTION DETAILS, ESPECIALLY THE OPEN HOLE INTERVAL. AS THIS IS REFERRED TO AS A JORDAN WELL, THE OPEN HOLE WAS ASSUMED TO EXTEND FROM THE TOP OF THE JORDAN TO THE BOTTOM OF THE BOREHOLE.

(4) FOR SECTION B–B' NO INFORMATION WAS AVAILABLE ON THE WELL LOG FOR 03U028 AND 03U673 CONCERNING WELL CONSTRUCTION DETAILS, ESPECIALLY THE SCREENED INTERVALS. THE SCREENED INTERVALS FOR THESE WELLS WERE ASSUMED TO BE SIMILAR TO OTHER NEARBY UPPER UNIT 3 WELLS.

(5) WELL 236122 HAS BEEN ABANDONED, BUT IS SHOWN SINCE IT WAS USED TO PREPARE THE CROSS SECTION.

(6) ALL DATA IS FROM SPRING 1994 (Q42) UNLESS OTHERWISE NOTED.

(7) THE DATA FROM WELLS 200803, 200804, AND 200524 WERE OBTAINED DIRECTLY FROM THE VILLAGE OF ST. ANTHONY AND NOT THROUGH IRDMS.

LEGEND

- GEOLOGIC CONTACT
- INFERRED GEOLOGIC CONTACT
- SCREENED INTERVAL OF WELL
- OPEN HOLE INTERVAL OF WELL
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)

THIS FIGURE IS A REDUCTION OF PLAN SHEET 26 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

SCALE

VERTICAL: 1 INCH = 75 FEET

HORIZONTAL: 1 INCH = 1875 FEET

V.E. = 25X

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ARDEN HILLS, MN 55112

FISCAL YEAR 1994 ANNUAL MONITORING REPORT

TRICHLOROETHENE CROSS SECTION A–A' AND B–B' (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
AS SHOWN	RJM	LRO	9-1-95	TCXSTRCL.DWG	26

TWIN CITIES ARMY AMMUNITION PLANT

Trichloroethene Cross Section A–A' and B–B', Spring 1994 (Q42)

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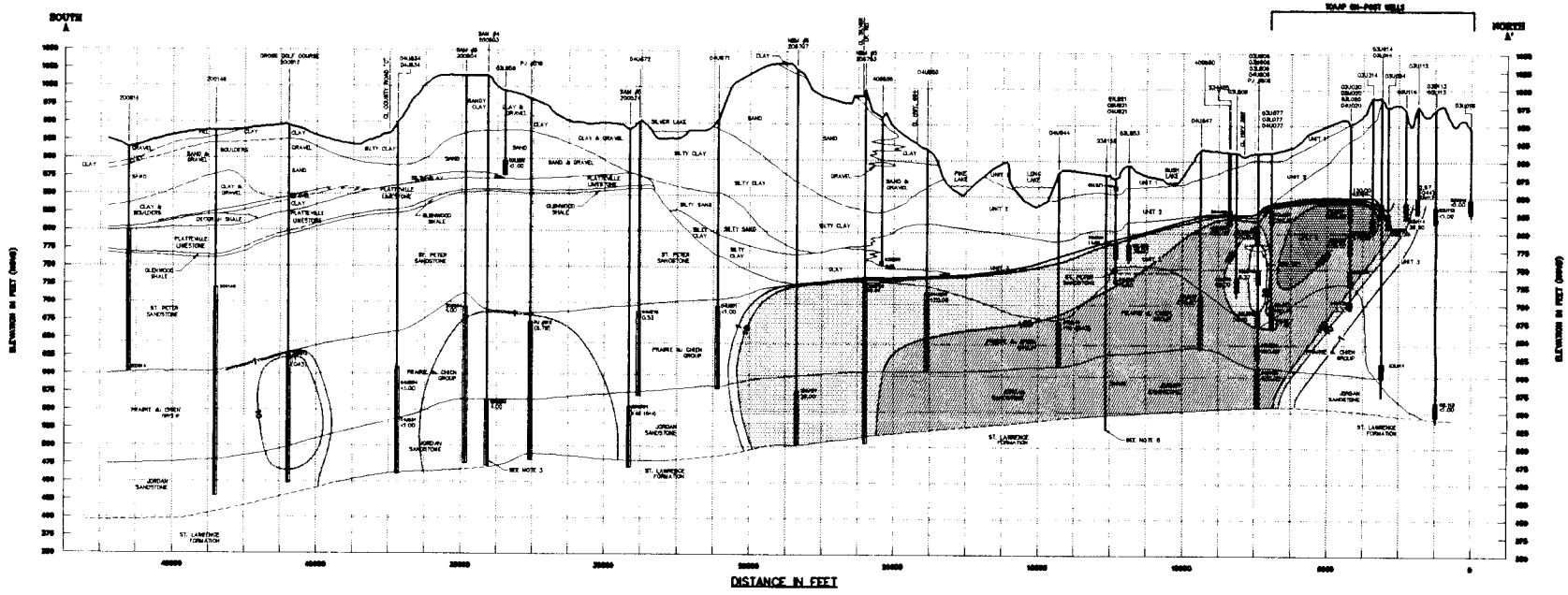
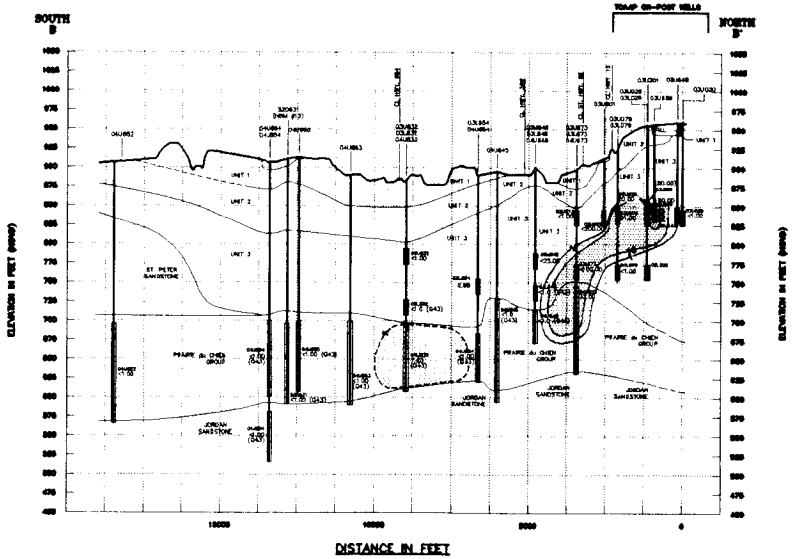
Fig VI–13



CROSS SECTION A-A'



CROSS SECTION B-B'

NOTES

(1) CROSS SECTION: TOPOGRAPHY CONSTRUCTED WITH DATA FROM U.S.G.S. NEW BRIGHTON 7.5 MINUTE SERIES QUAD MAP DATED 1967 (PHOTOREVISED 1972, AND 1980); WELL LOCATIONS AND THE "LINE" OF SECTION ARE SHOWN ON SHEET NO. 4.

(2) WELL NESTS, CONSISTING OF INDIVIDUAL WELLS IN THE SAME PROXIMITY, ARE REPRESENTED ON THE CROSS SECTION BY A SINGLE LINE WITH MULTIPLE WELL SCREENS.

(3) FOR SECTION A-A' NO INFORMATION WAS PROVIDED ON THE WELL LOG FOR 200803 (SAM #4) CONCERNING WELL CONSTRUCTION DETAILS, ESPECIALLY THE OPEN HOLE INTERVAL, AS THIS IS REFERRED TO AS A JORDAN WELL, THE OPEN HOLE WAS ASSUMED TO EXTEND FROM THE TOP OF THE JORDAN TO THE BOTTOM OF THE BOREHOLE.

(4) FOR SECTION B-B' NO INFORMATION WAS AVAILABLE ON THE WELL LOG FOR 03U028 AND 03U673 CONCERNING WELL CONSTRUCTION DETAILS, ESPECIALLY THE SCREENED INTERVALS. THE SCREENED INTERVALS FOR THESE WELLS WERE ASSUMED TO BE SIMILAR TO OTHER NEARBY UPPER UNIT 3 WELLS.

(5) WELL 238122 HAS BEEN ABANDONED, BUT IS SHOWN SINCE IT WAS USED TO PREPARE CROSS SECTION A-A'.

(6) ALL DATA IS FROM SPRING 1994 (Q42) UNLESS OTHERWISE NOTED.

(7) WELLS 03U801 AND 03J673 WERE CONTOURED BASED ON THEIR HISTORICAL ANALYTICAL RESULTS.

(8) THE DATA FROM WELLS 200803, 200804, AND 200524 WERE OBTAINED DIRECTLY FROM THE VILLAGE OF ST. ANTHONY AND NOT THROUGH IROMIS.

LEGEND

- GEOLOGIC CONTACT
- INFERRED GEOLOGIC CONTACT
- SCREENED INTERVAL OF WELL
- OPEN HOLE INTERVAL OF WELL
- 1,1,1-TRICHLOROETHANE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 ISOCONCENTRATION CONTOUR (ug/l)
- 10 ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)

THIS FIGURE IS A REDUCTION OF PLAN SHEET 27 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

SCALE

VERTICAL: 1 INCH = 75 FEET

HORIZONTAL: 1 INCH = 1875 FEET

V.E. = 25X

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ARDEN HILLS, MN 553112

FISCAL YEAR 1994 ANNUAL MONITORING REPORT

1,1,1-TRICHLOROETHANE CROSS SECTIONS A-A' AND B-B' (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
AS SHOWN	RJM	LRO	9-1-95	TCXSTDE.DWG	27

TWIN CITIES ARMY AMMUNITION PLANT

1,1,1-Trichloroethane Cross Sections A-A' and B-B', Spring 1994 (Q42)

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Fig VI-14

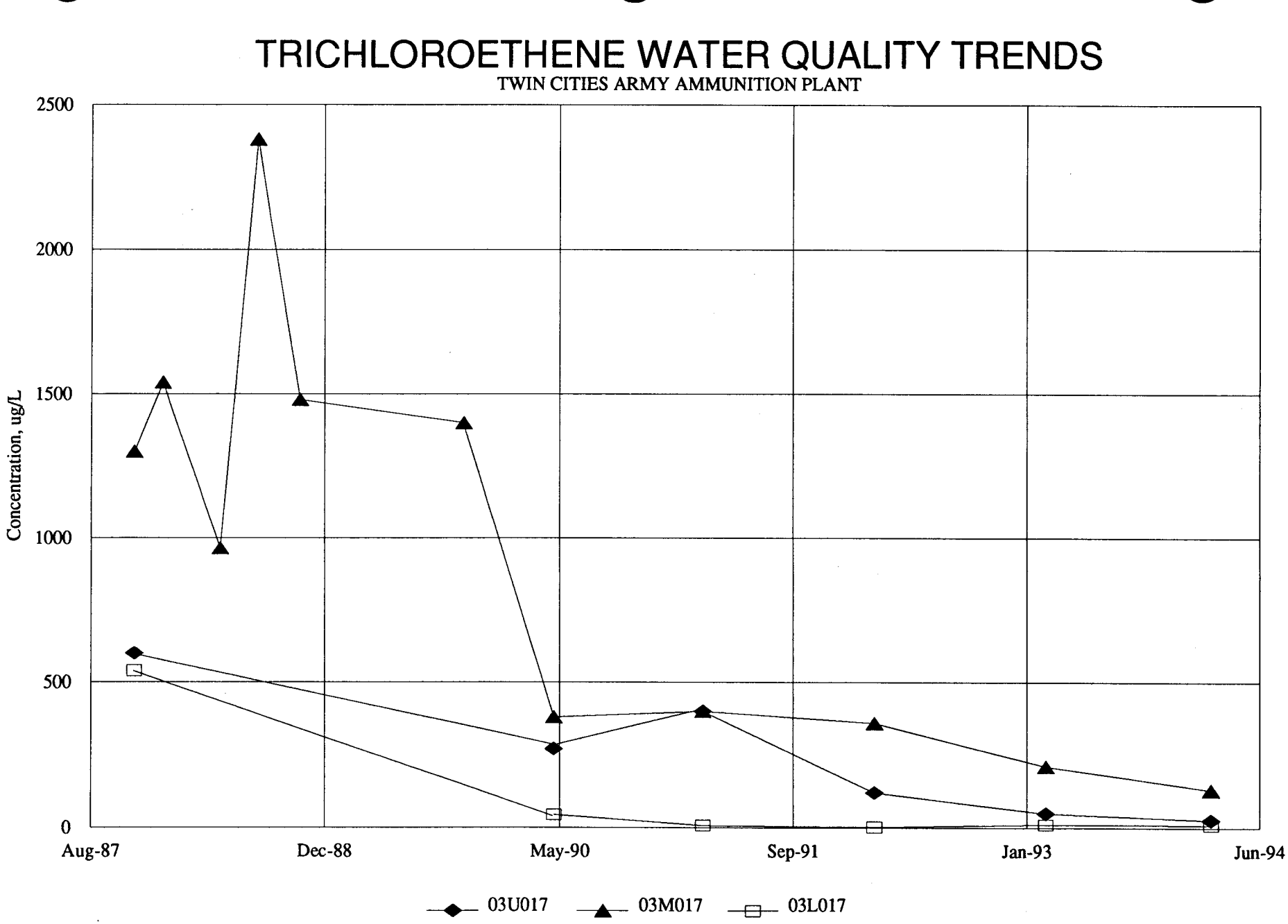


Figure VII-1, Site D, 017 Well Nest
Wenck Associates, Inc.

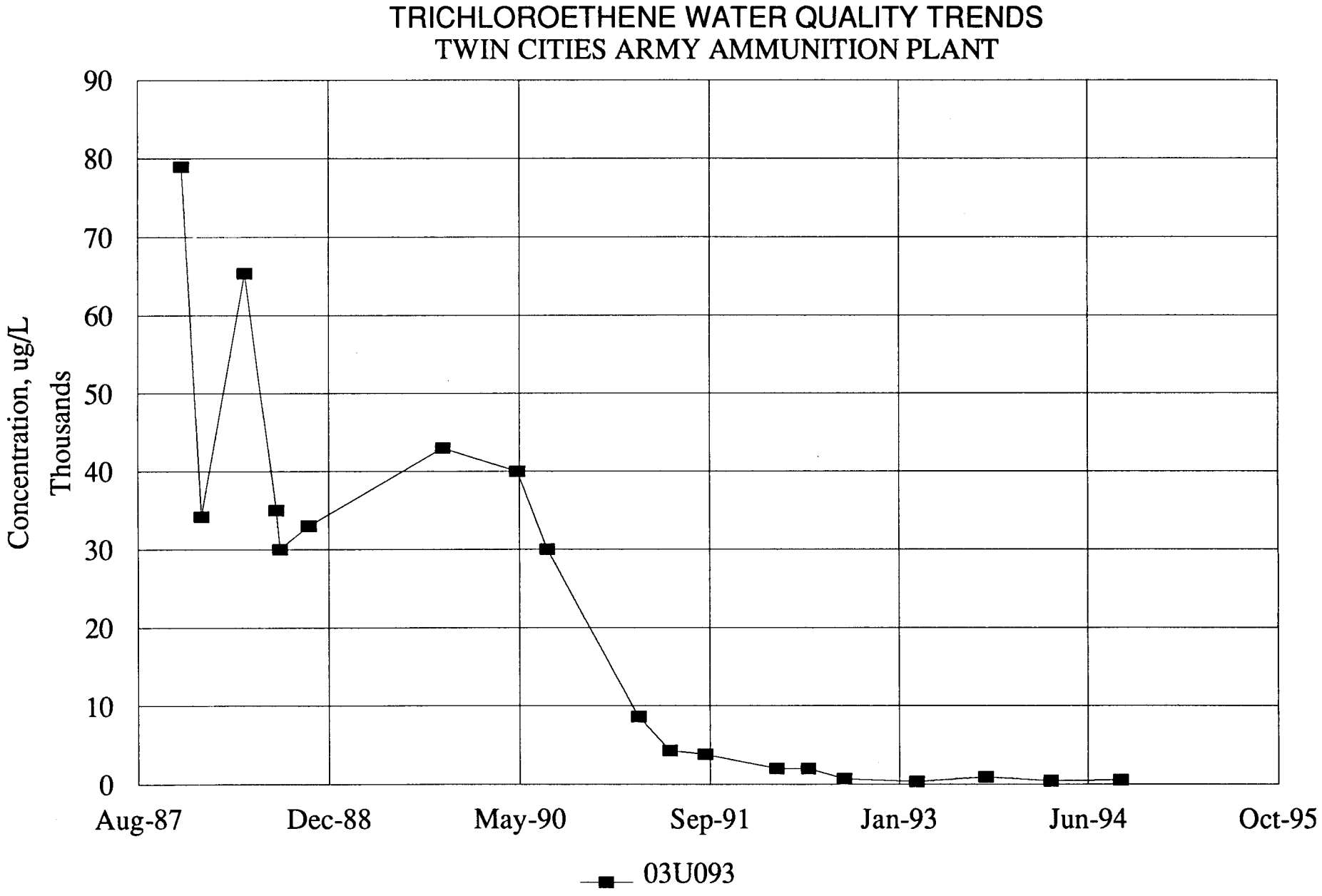


Figure VII-2, Site D, Well 03U093
Wenck Associates, Inc.

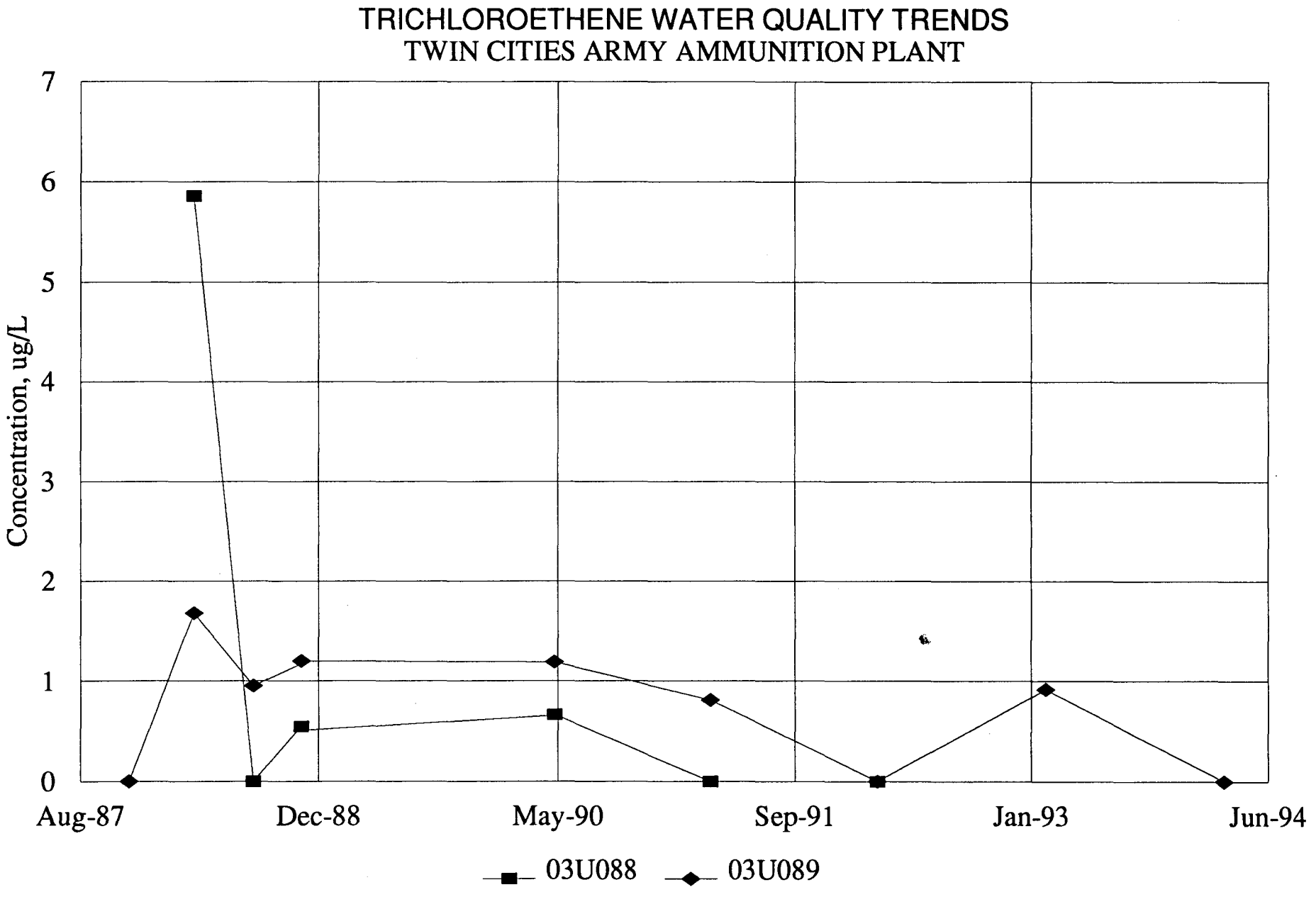


Figure VII-3, Site E, Wells 03U088 and 03U089
Wenck Associates, Inc.

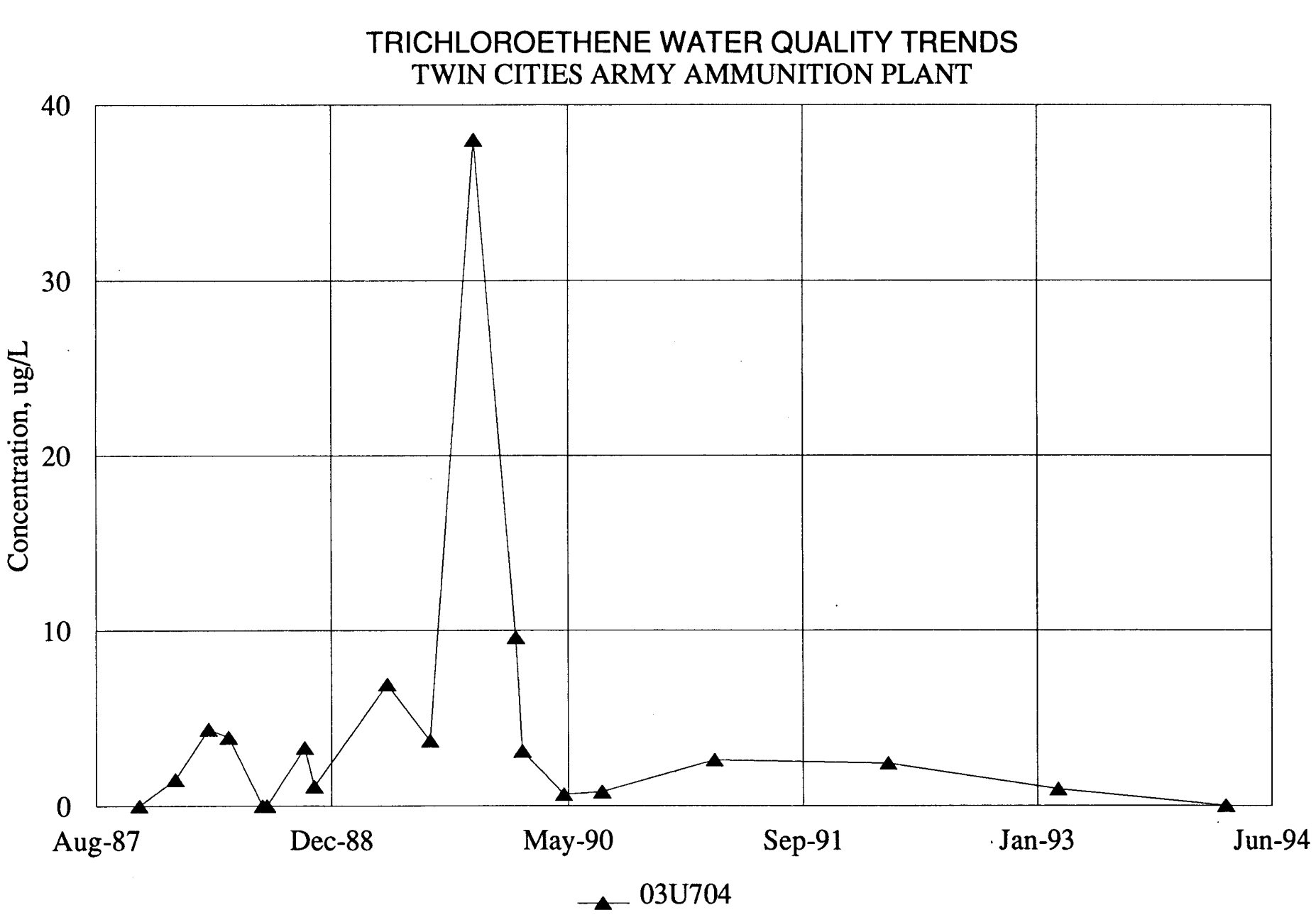


Figure VII-4, Site E, Well 03U704
Wenck Associates, Inc.

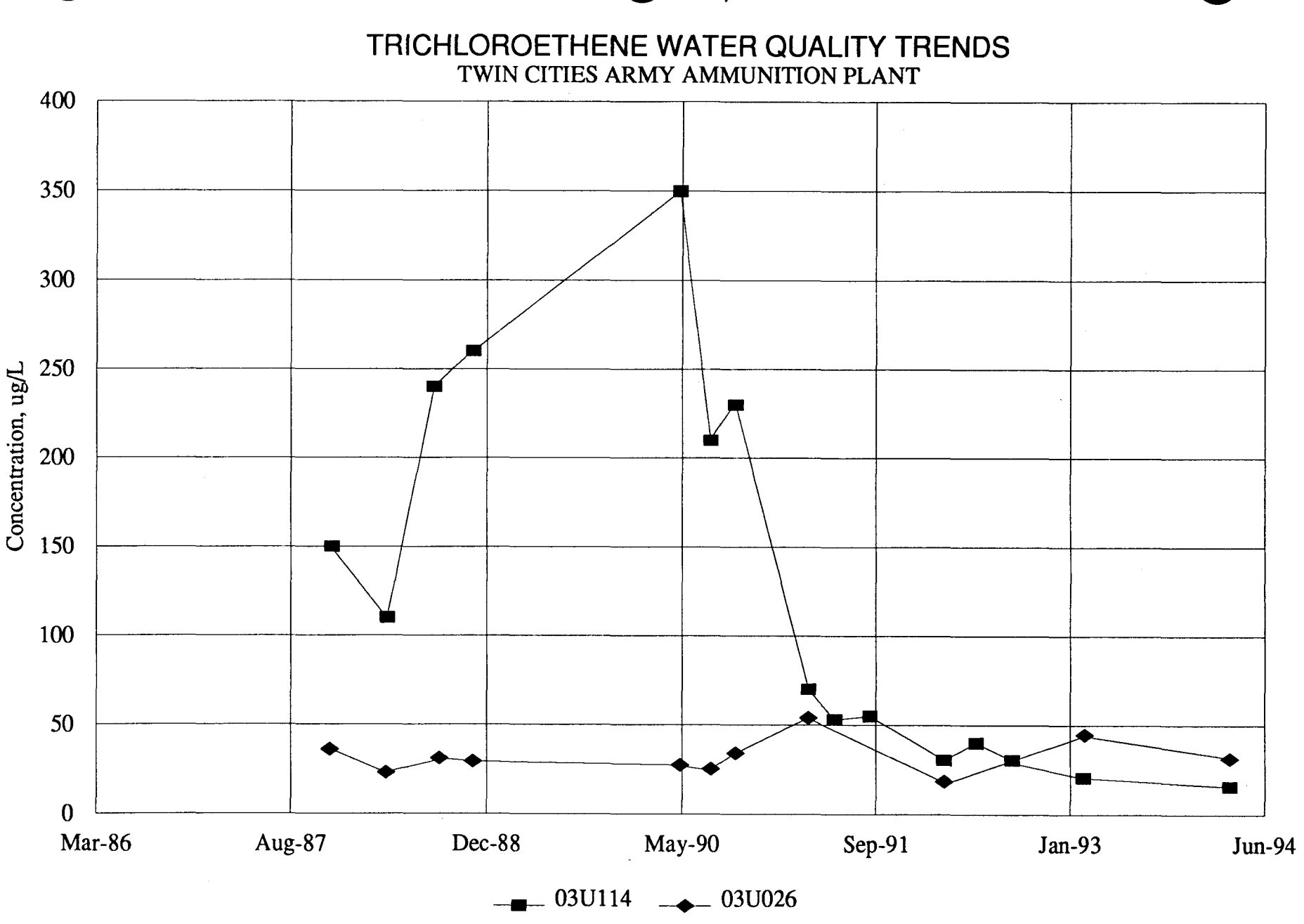


Figure VII-5, Site F
Wenck Associates, Inc.

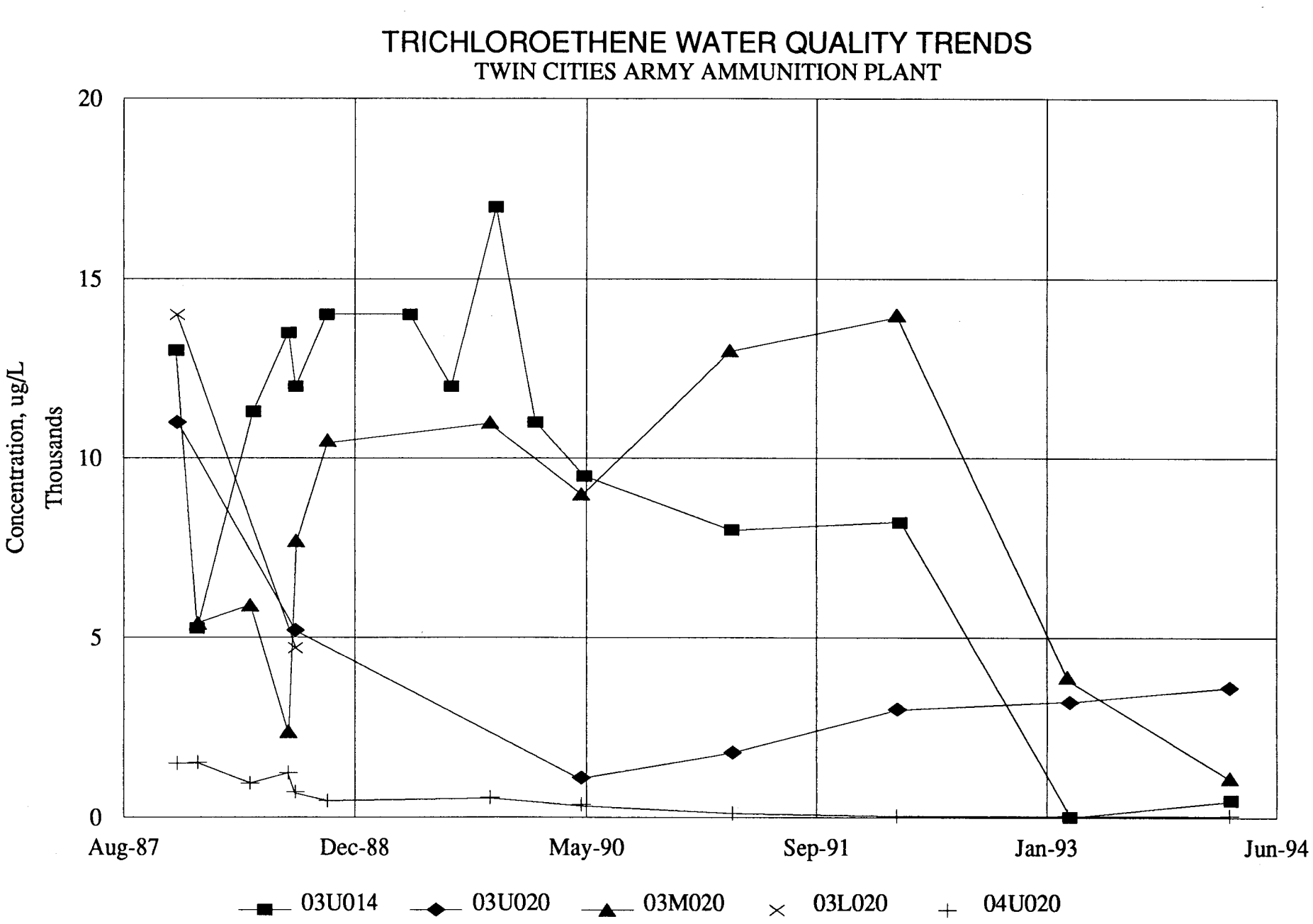


Figure VII-6, Site G
Wenck Associates, Inc.

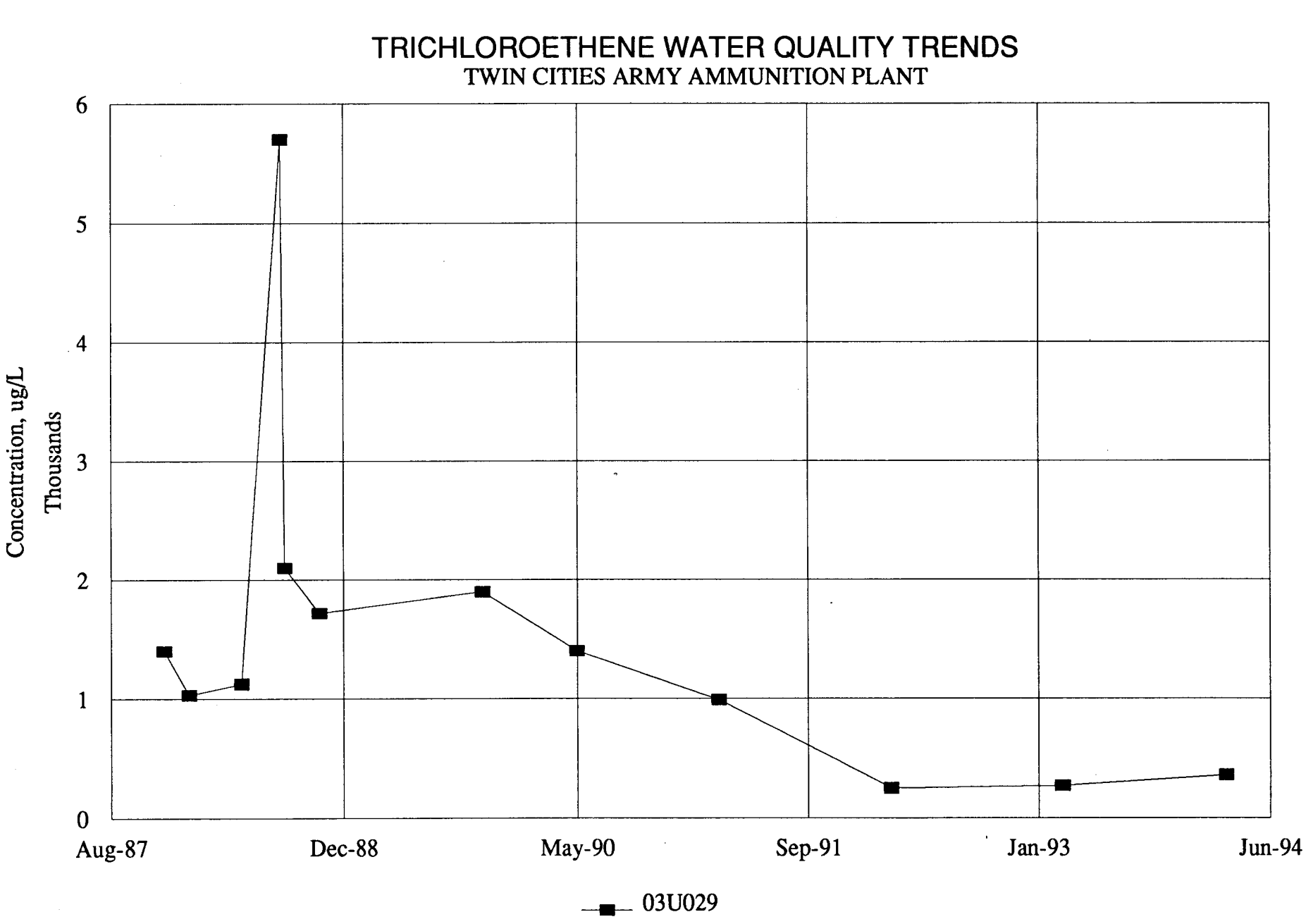


Figure VII-7, Site I
Wenck Associates, Inc.

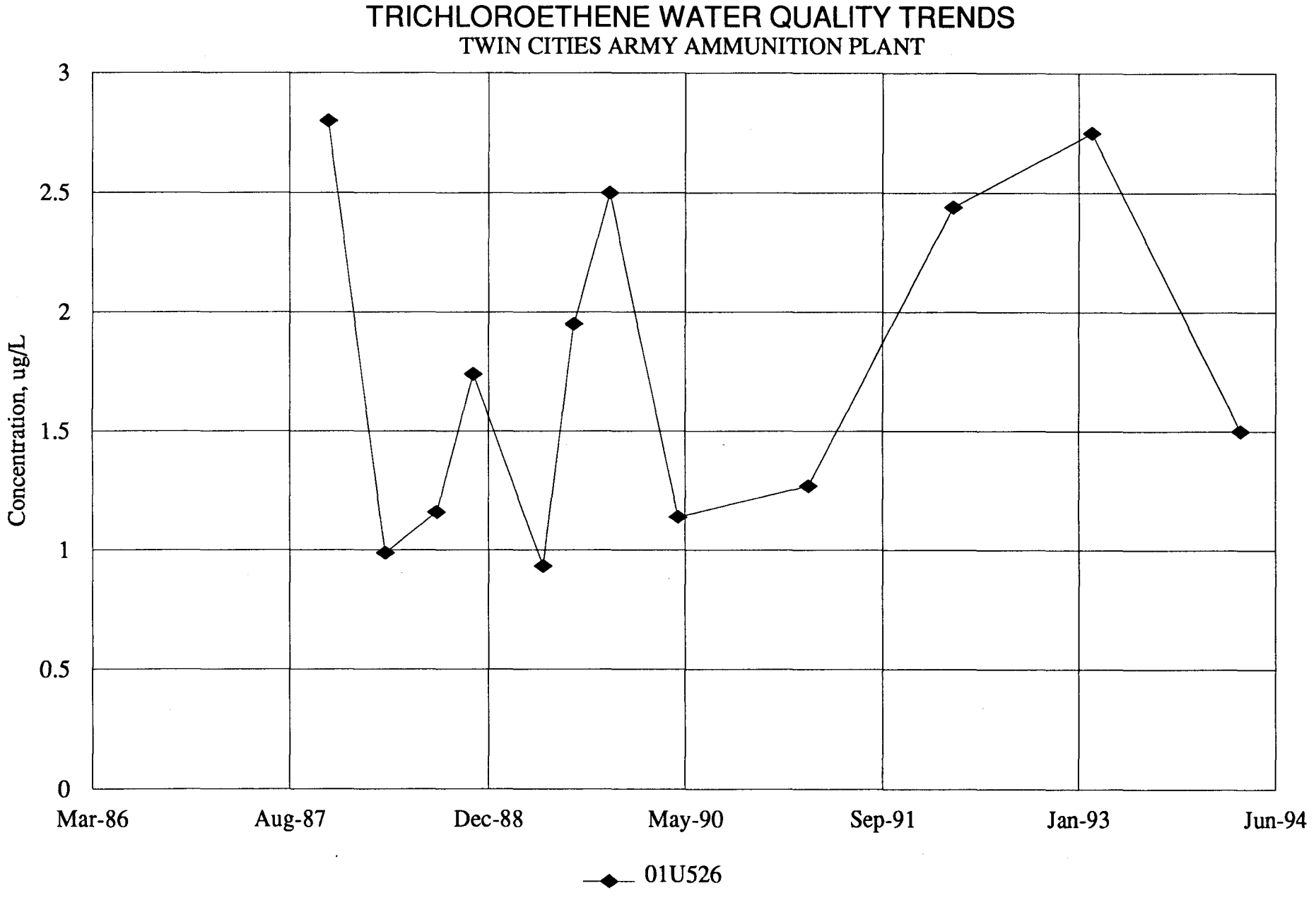


Figure VII-8, Site J
Wenck Associates, Inc.

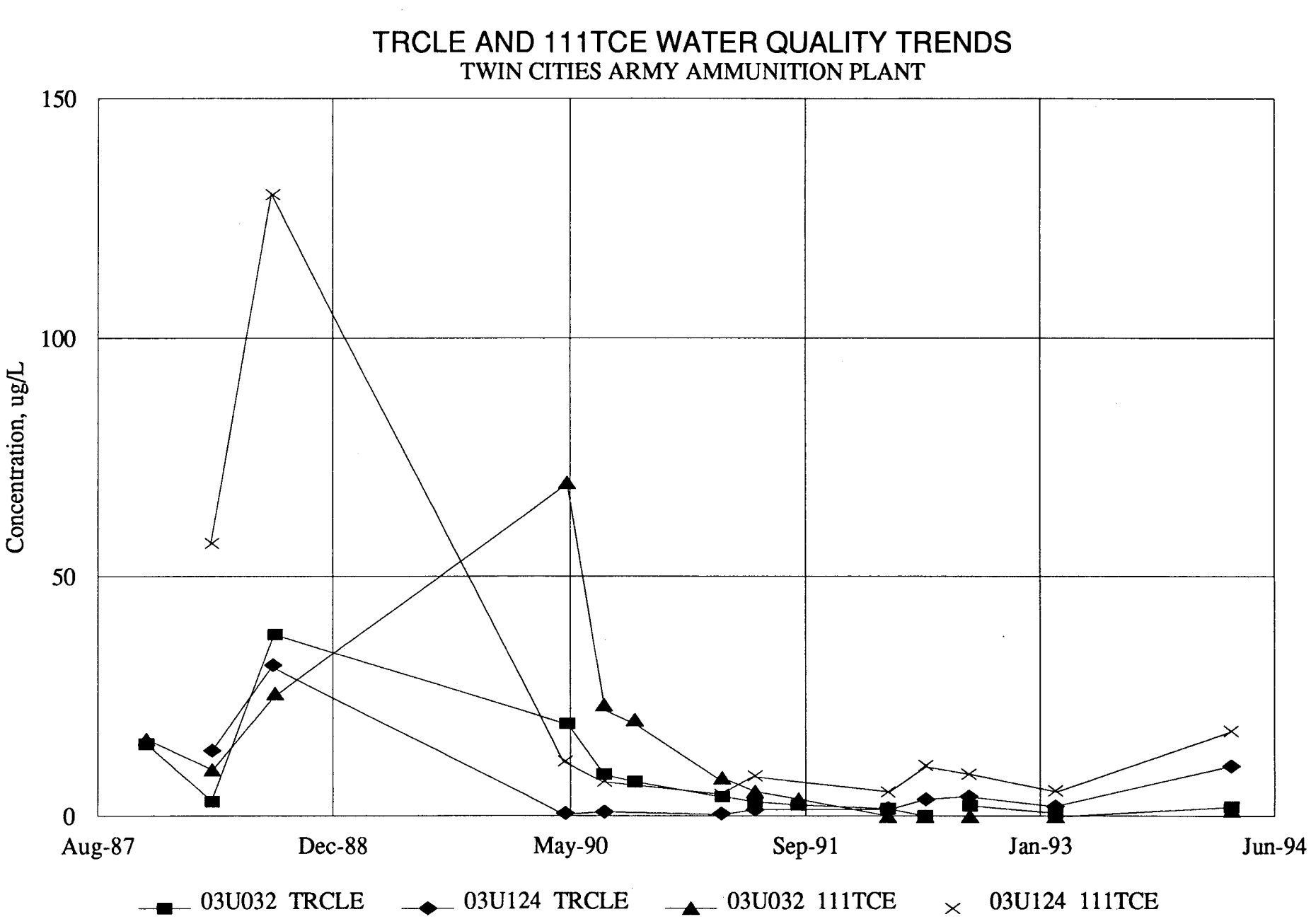


Figure VII-9, Site 129-15
Wenck Associates, Inc. TRCLE is Trichloroethene 111TCE is 1,1,1-Trichloroethane

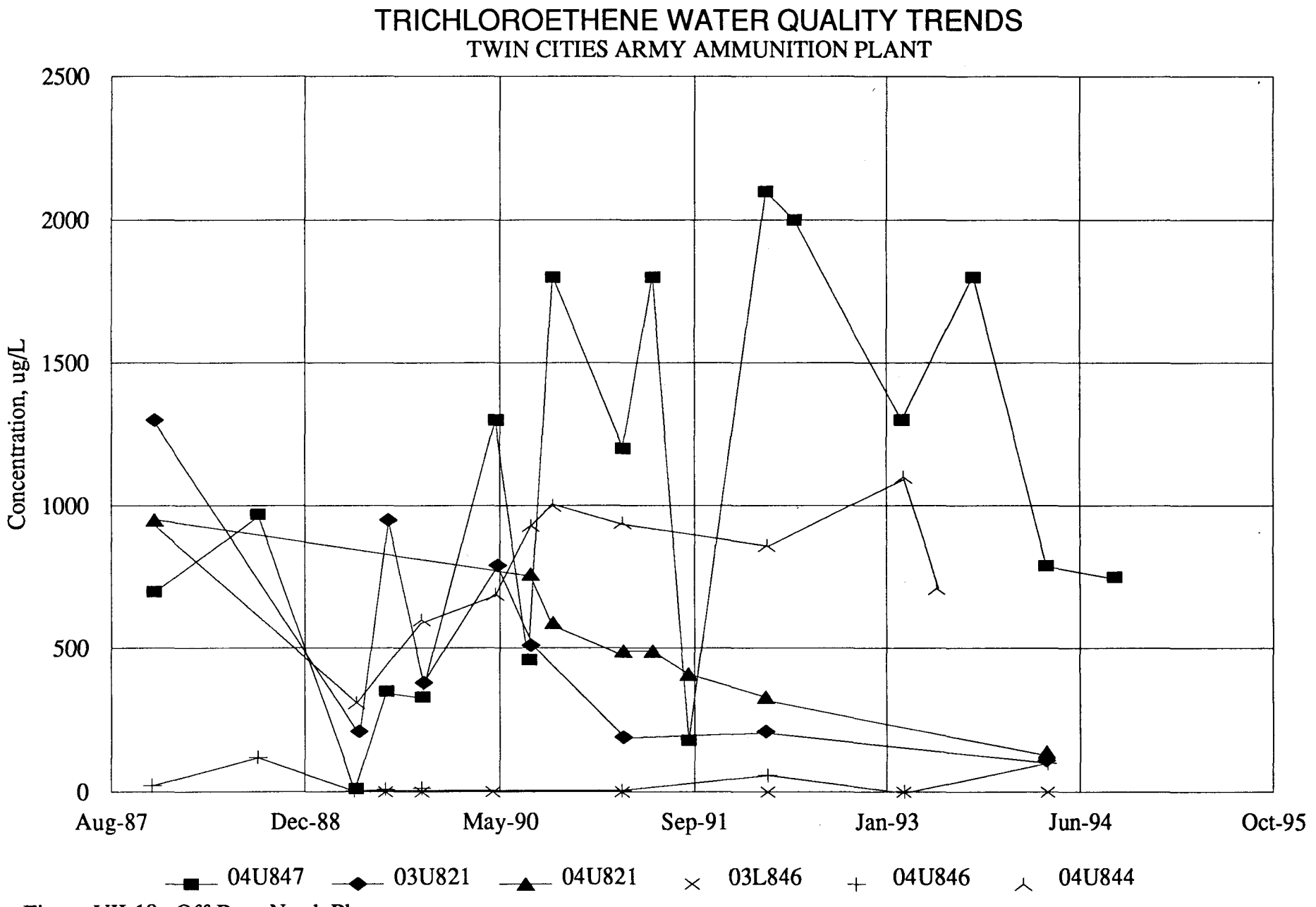


Figure VII-10, Off-Post, North Plume
Wenck Associates, Inc.

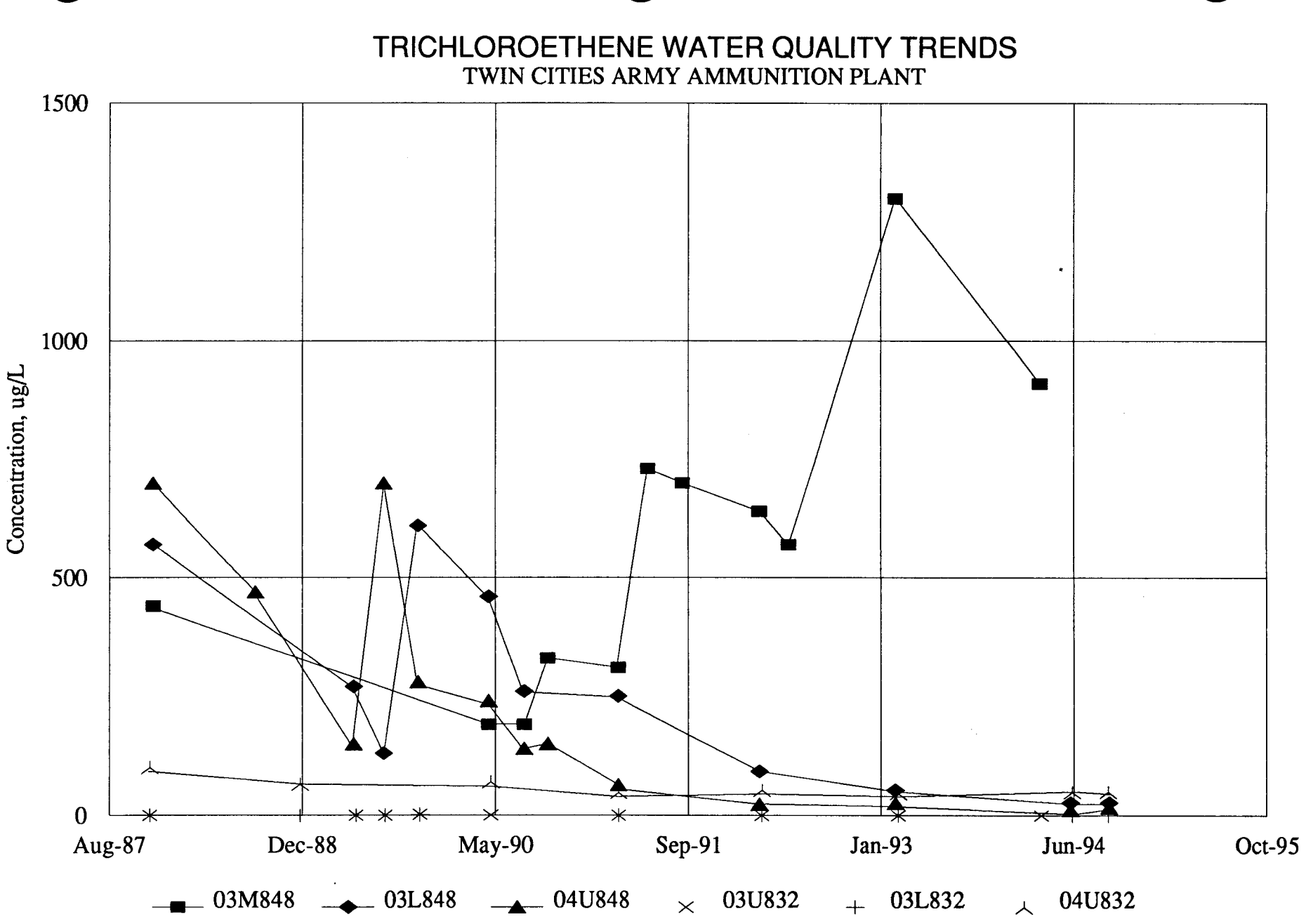


Figure VII-11, Off-Post, South Plume
Wenck Associates, Inc.

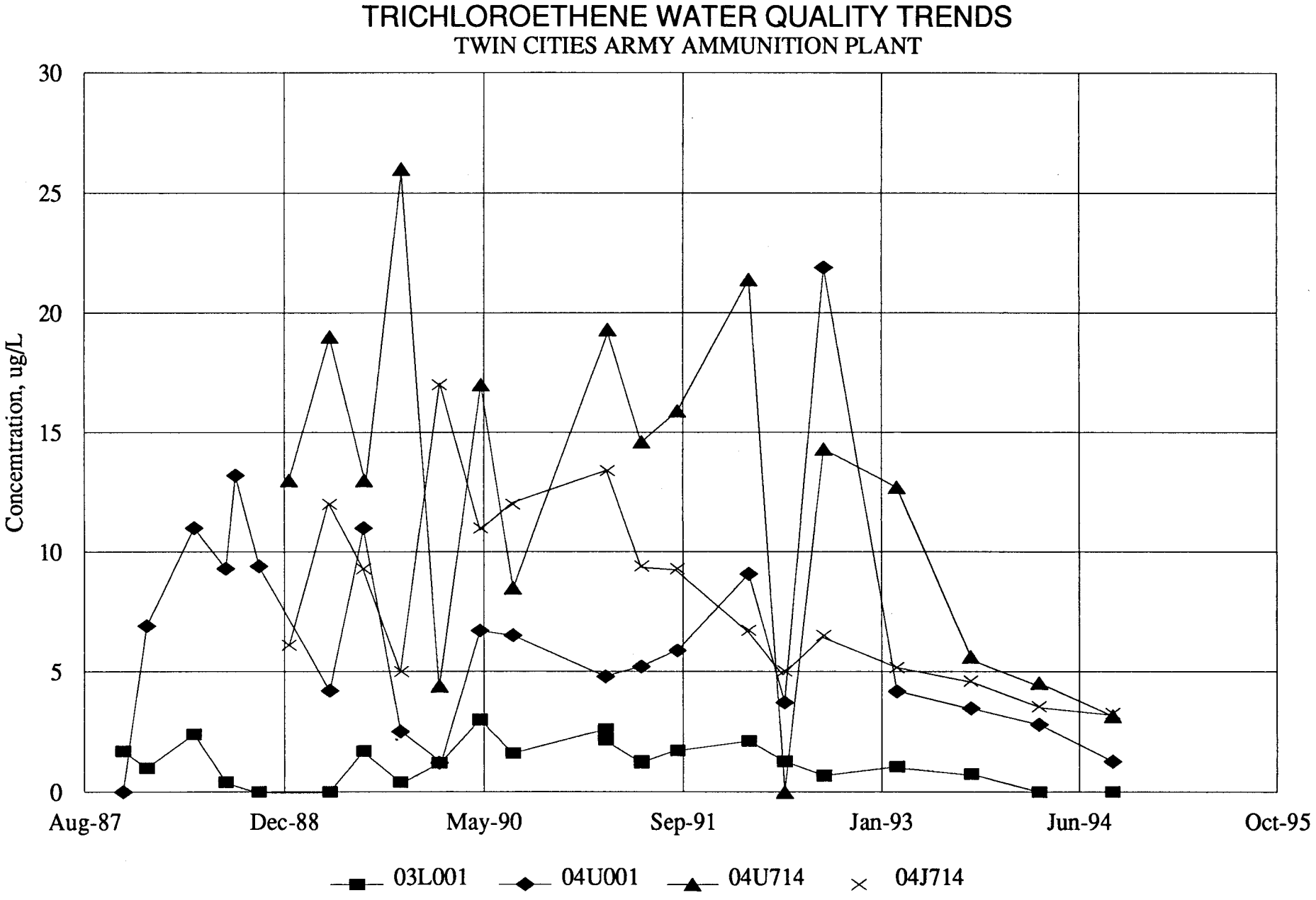


Figure VII-12, 001 and 714 Well Nests
Wenck Associates, Inc.

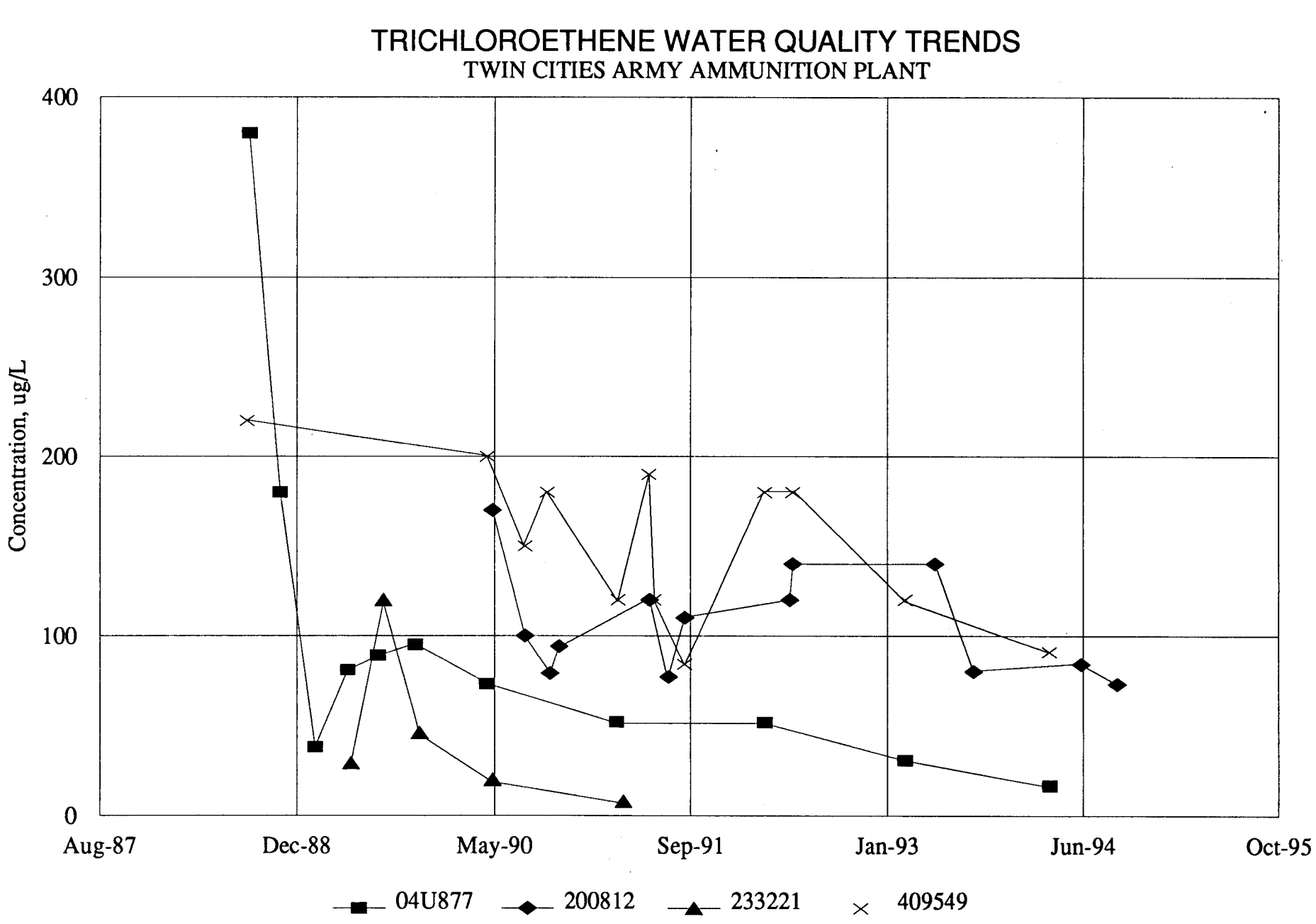


Figure VII-13, Off-Post
Wenck Associates, Inc.

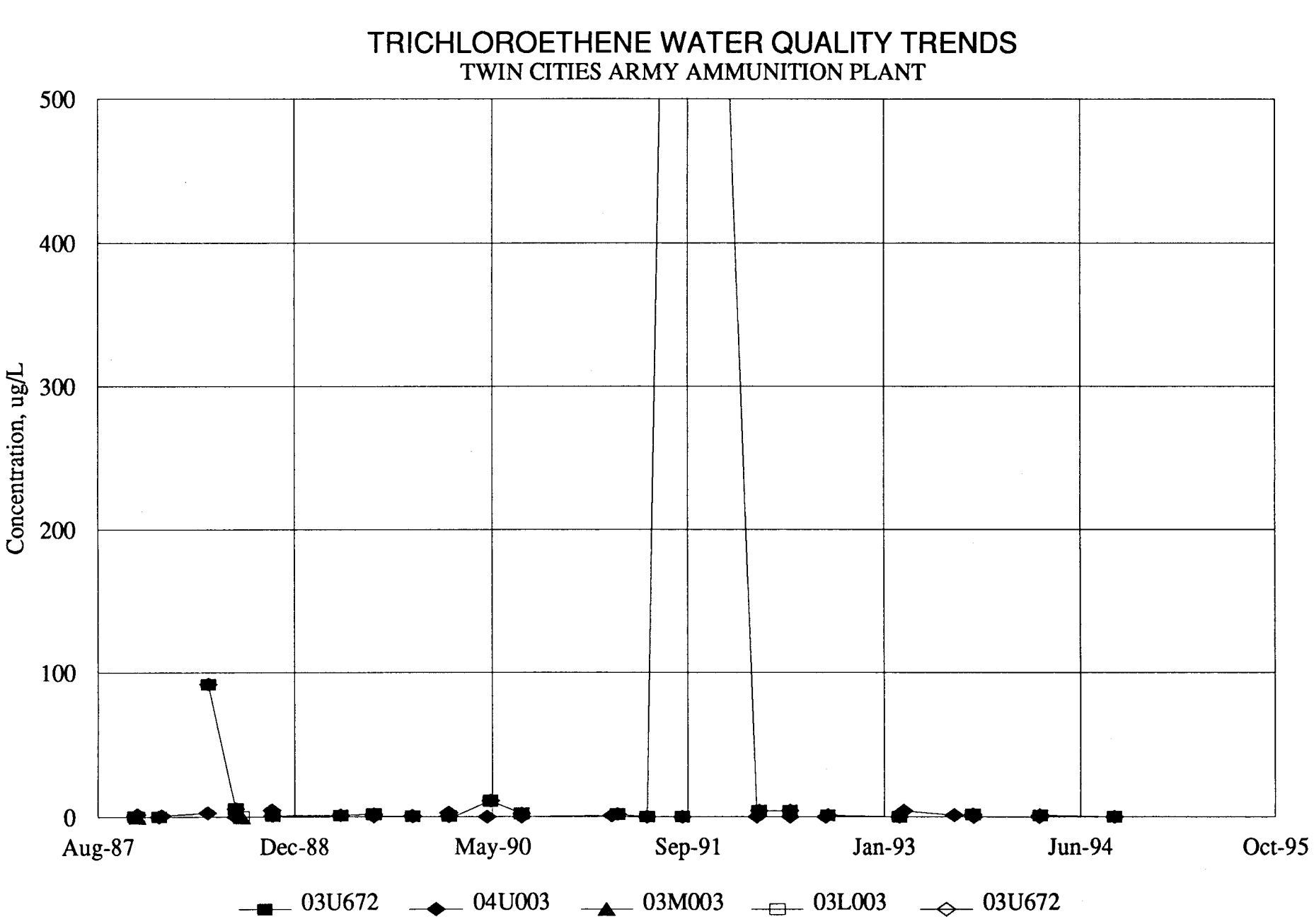
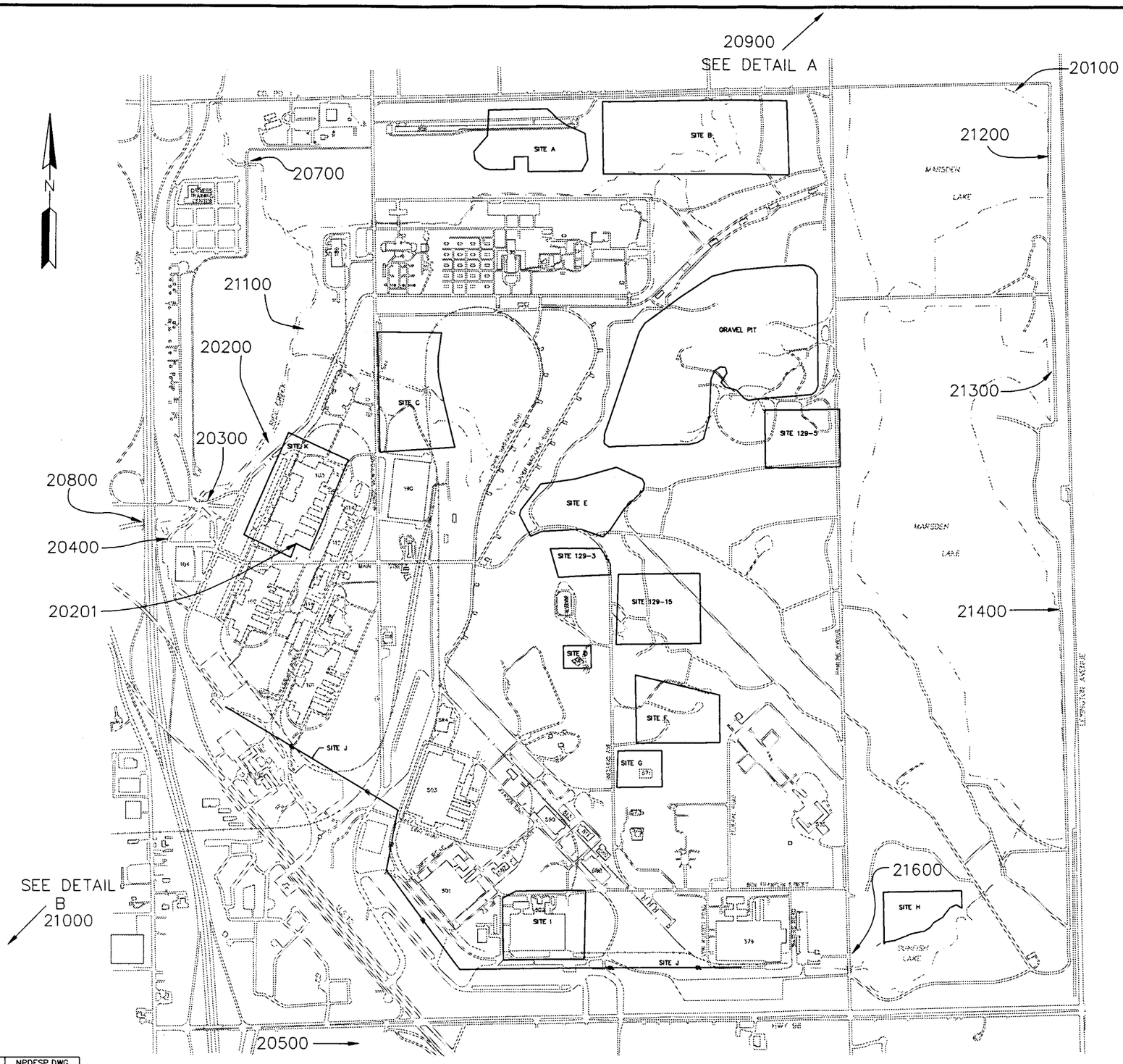
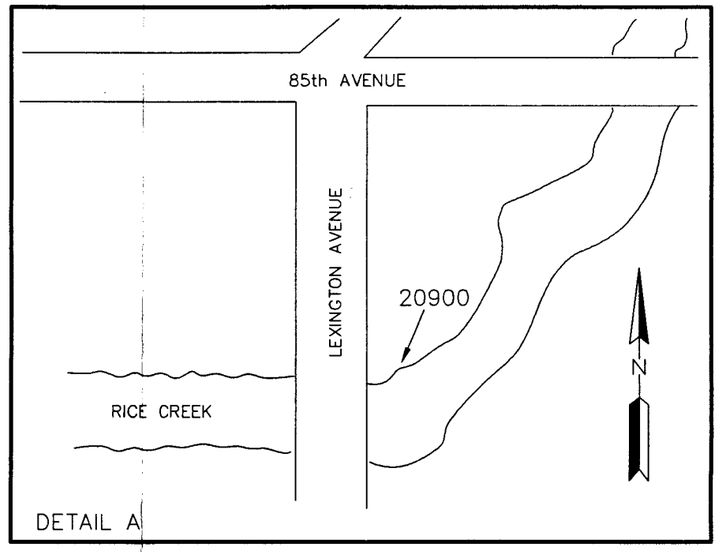
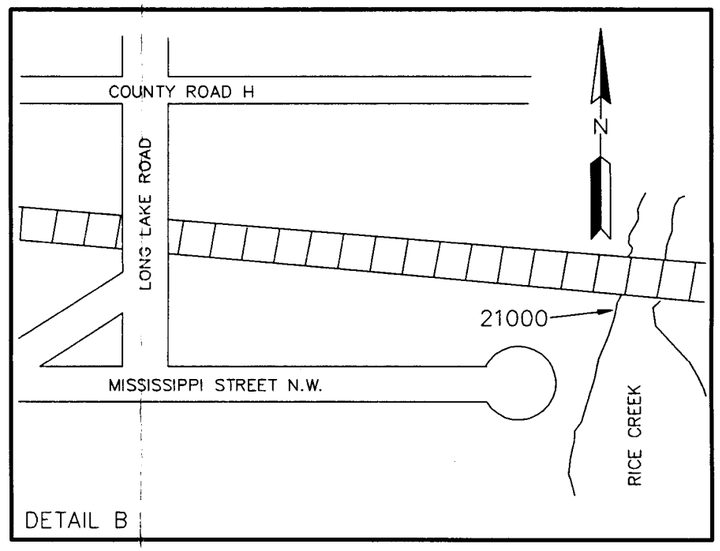


Figure VII-14, 003 Well Nest and 03U672
Wenck Associates, Inc.







FILE	NPDESP.DWG
DATE	9-1-95 M:DLM

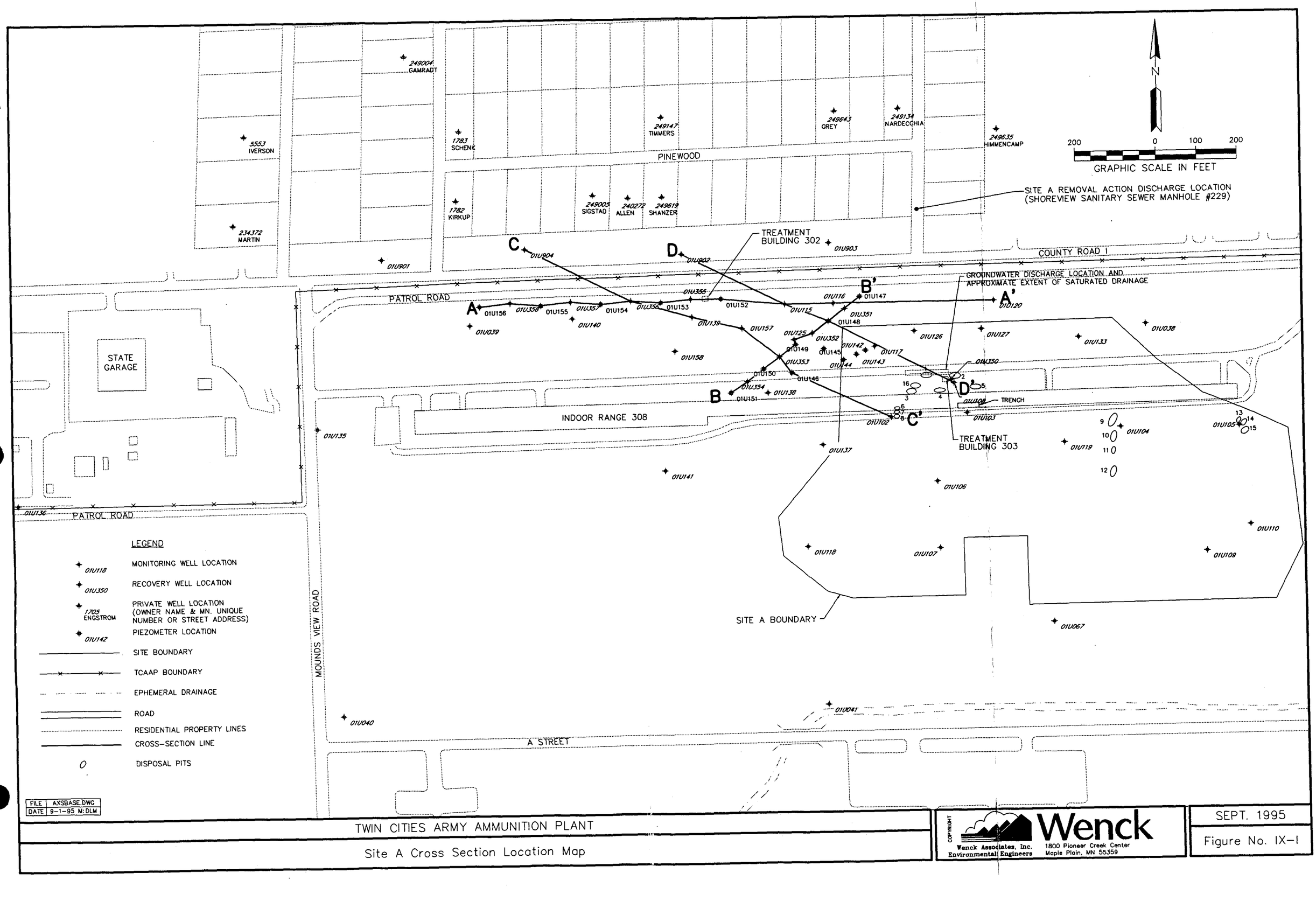
TWIN CITIES ARMY AMMUNITION PLANT

Surface Water Monitoring Locations

Wenck Associates, Inc.
Environmental Engineers
1800 Pioneer Creek Center
Maple Plain, MN 55359

SEPT. 1995

Figure No. VIII-1



TWIN CITIES ARMY AMMUNITION PLANT

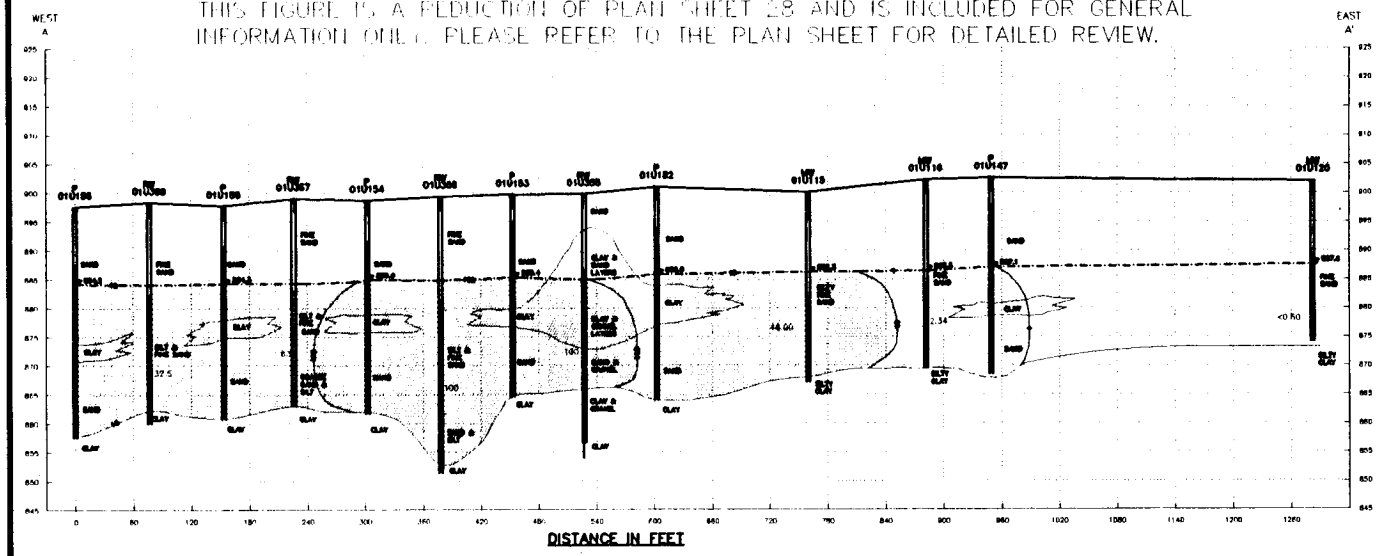
Site A Cross Section Location Map

Wenck Associates, Inc. Environmental Engineers
1800 Pioneer Creek Center
Maple Plain, MN 55359

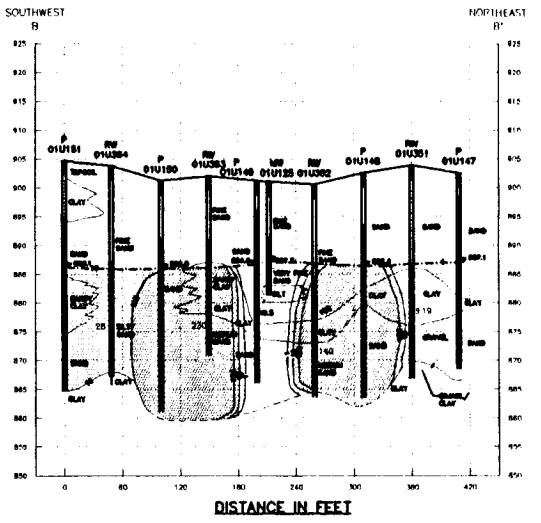
SEPT. 1995

Figure No. IX-1

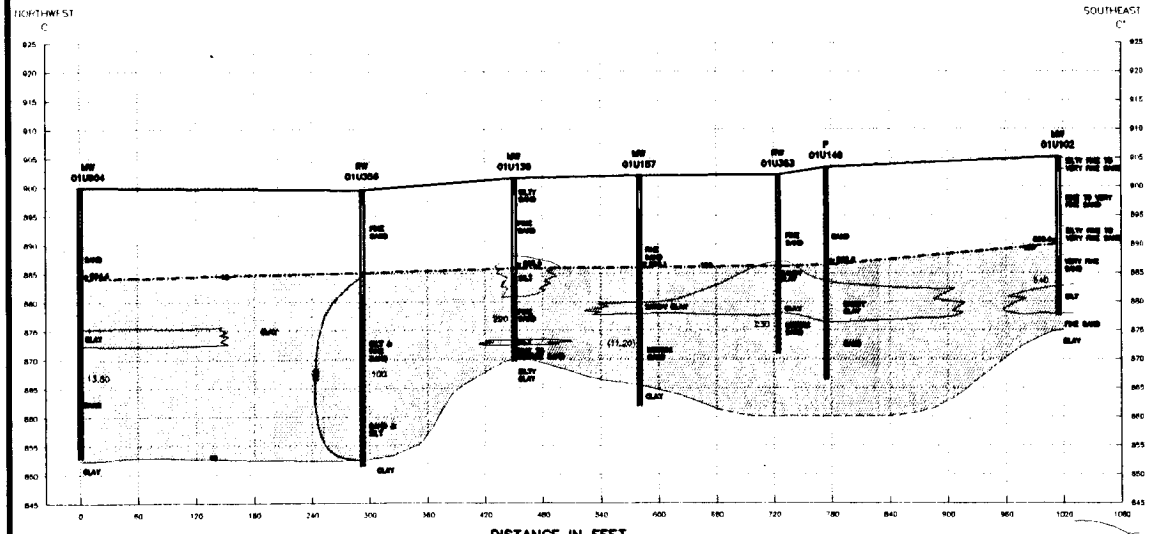
THIS FIGURE IS A REDUCTION OF PLAN SHEET 28 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.



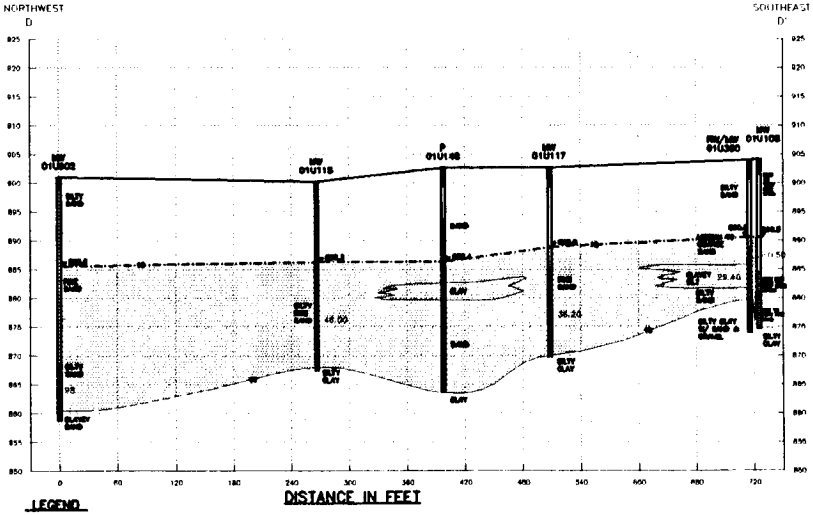
CROSS SECTION A–A'



CROSS SECTION B–B'



CROSS SECTION C–C'



CROSS SECTION D–D'

NOTE:

1. ALL WATER LEVEL DATA IS FROM SEPTEMBER 7-22, 1994.
2. ALL WATER LEVEL DATA IS FROM QTR. 44 (SEPTEMBER, 1994) UNLESS NOTED BELOW.
   01U102 QTR. 42 (3/11/94), 01U120 QTR. 42 (3/9/94)
   01U139 QTR. 42 (3/10/94), 01U115 QTR. 41 (10/25/93)
3. WELL 01U350 WAS USED AS A RECOVERY WELL UNTIL JUNE 1994 WHEN THE PUMP WAS REMOVED AND THE WELL BEGAN BEING USED AS A MONITORING WELL.
4. DATA ON RECOVERY WELLS AND PIEZOMETERS WAS GENERATED BY DAHL AND ASSOCIATES, INC. AS PART OF THE SITE A REMOVAL ACTION SYSTEM CONSTRUCTION. DATA ON MONITORING WELLS PROVIDED BY FEDERAL CARTRIDGE COMPANY. WENCK ASSOCIATES, INC. MAKES NO CLAIM AS TO THE ACCURACY OF THE INFORMATION.
5. WATER QUALITY SAMPLES COLLECTED FROM RECOVERY WELLS ARE RECOGNIZED TO BE DILUTED AND ARE NOT MEANT TO REPRESENT ABSOLUTE CONCENTRATIONS.

SCALE

VERTICAL:
1 INCH = 10 FEET

HORIZONTAL:
1 INCH = 60 FEET

V.E. = 6x

LEGEND

- GEOLOGIC CONTACT
- INFERRED GEOLOGIC CONTACT
- SCREENED INTERVAL OF WELL
- PUMP LOCATION
- 1,2-DICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- WATER LEVEL SURFACE
- SLIGHT CHANGE IN GEOLOGIC UNIT (MARK LOCATED ALONG WELL STAFF)
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER

Wenck
WENCK ASSOCIATES, INC. ENVIRONMENTAL ENGINEERS
1800 Pioneer Creek Center P.O. BOX 429 Maple Plain, MN 55359-0429 (612) 478-7200

TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112

FISCAL YEAR 1994 ANNUAL MONITORING REPORT

SITE A, 1,2-DICHLOROETHENE CROSS SECTIONS
A–A', B–B', C–C', D–D'

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO.	SHEET NO.
1:720	DLM	WPJ	9-1-95	TCAA9184.DWG	28

TWIN CITIES ARMY AMMUNITION PLANT

Site A, 1,2-Dichloroethene Cross Sections A–A', B–B', C–C', D–D', Fall 1994 (Q44)

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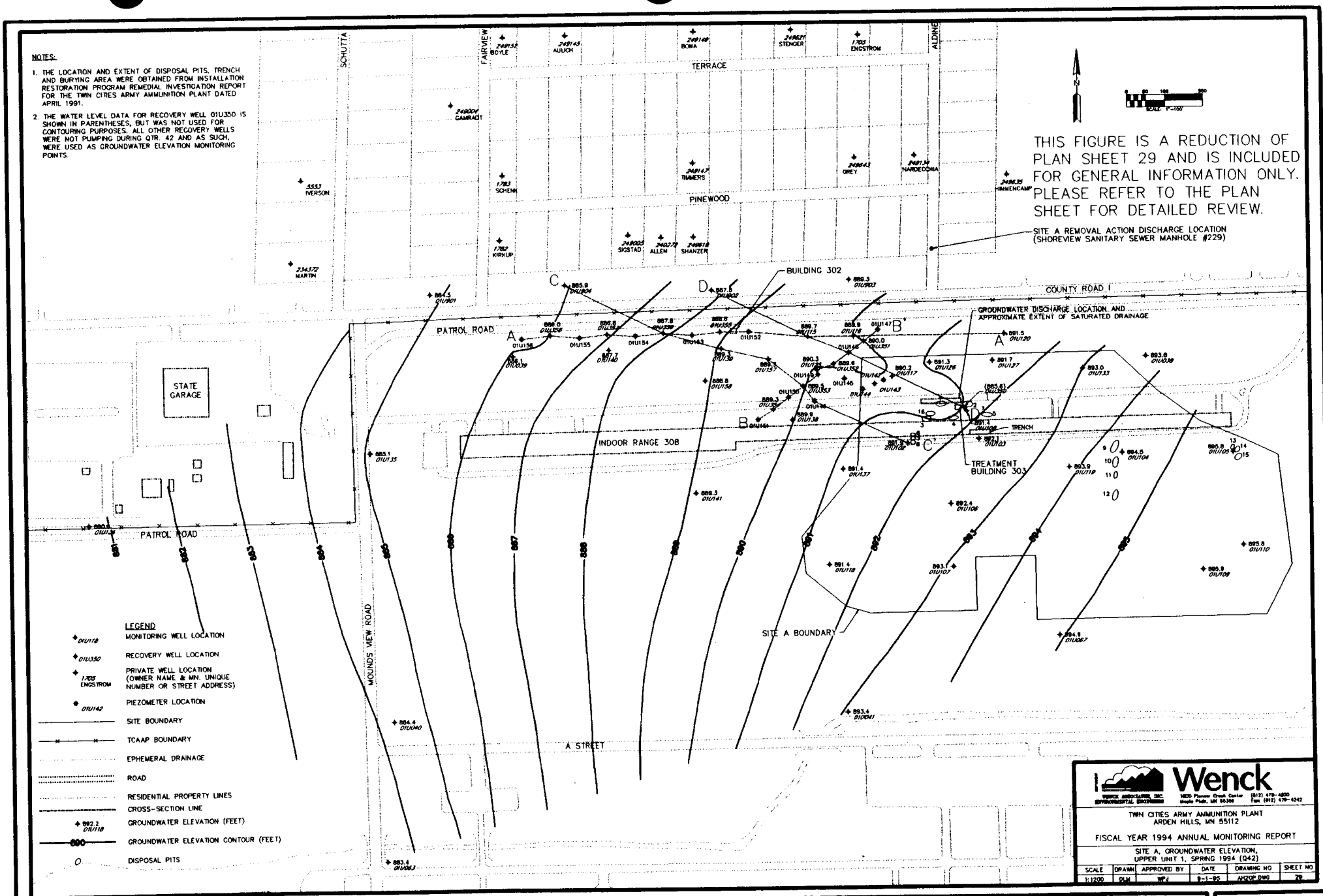
Environmental Engineers
1800 Pioneer Creek Center P.O. BOX 429
Maple Plain, MN 55359-0429

SEPT. 1995

Fig IX-2



TWIN CITIES ARMY AMMUNITION PLANT

Site A, Groundwater Elevations, Unit 1, Spring 1994 (Q42)

Wenck Associates, Inc.
Environmental Engineers

Wenck

1800 Pioneer Creek Center P.O. BOX 428
Maple Plain, MN 55359-0428

SEPT. 1995

Fig IX-3

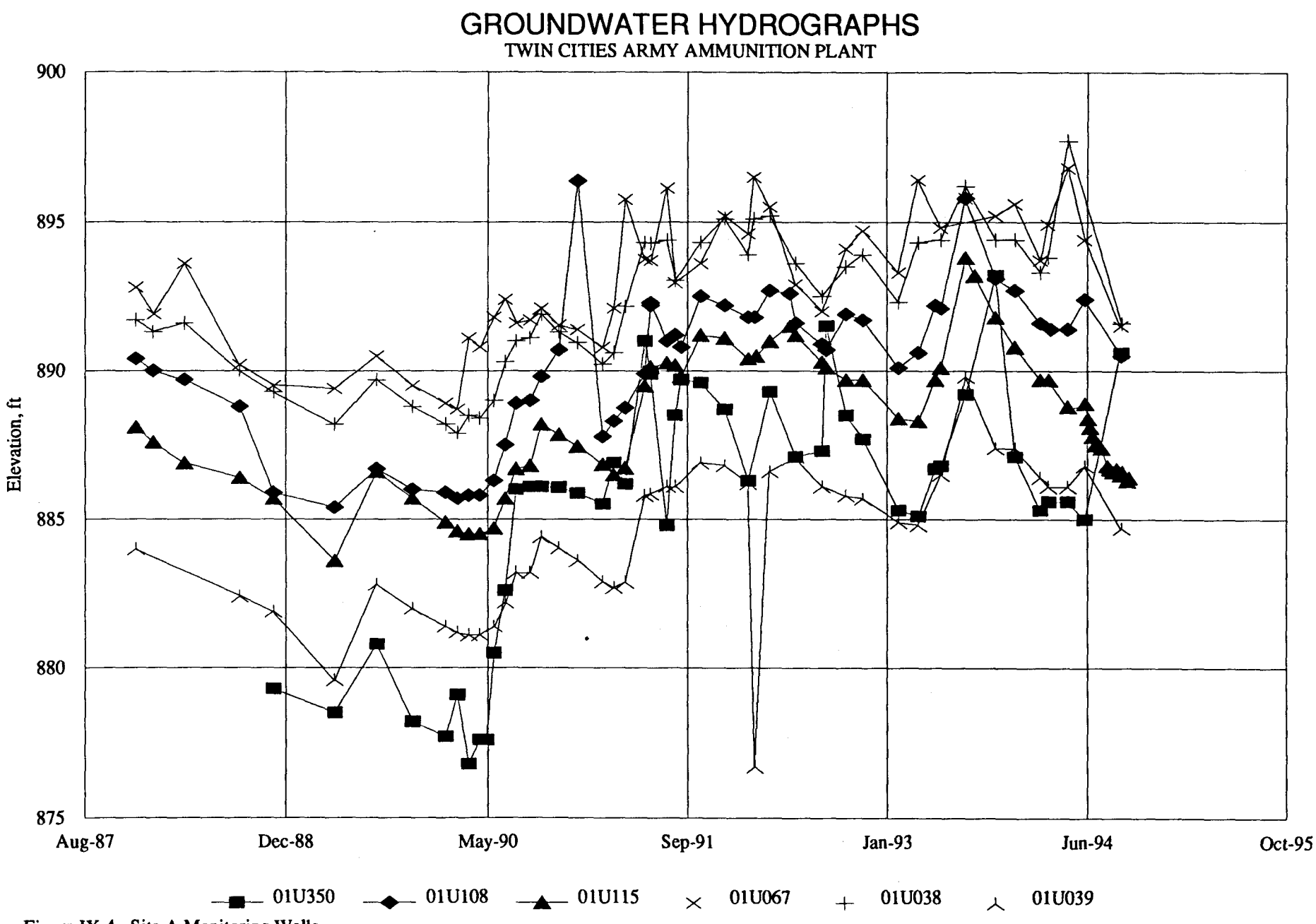


Figure IX-4, Site A Monitoring Wells
Wenck Associates, Inc.

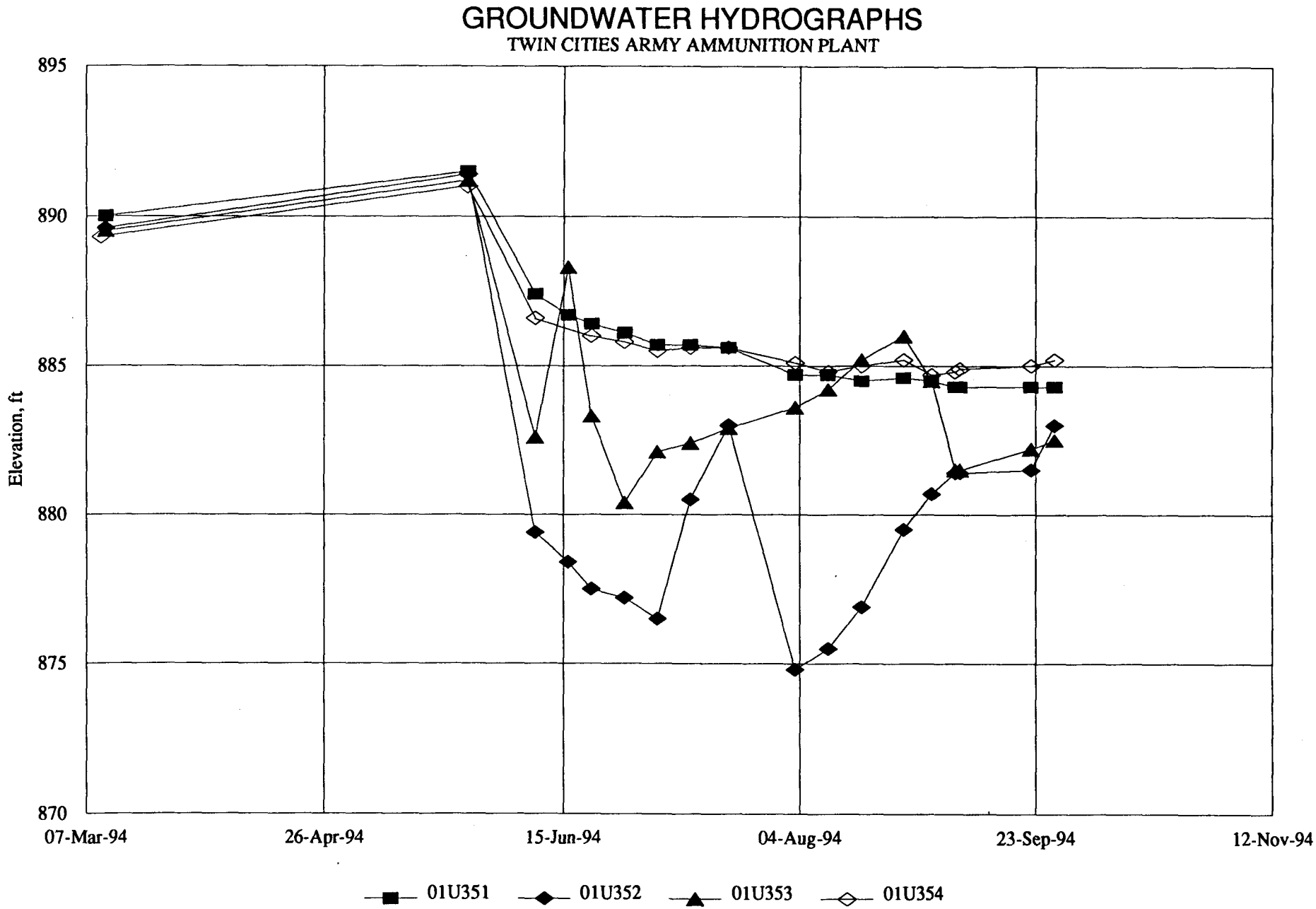


Figure IX-5, Site A Recovery Wells
Wenck Associates, Inc.

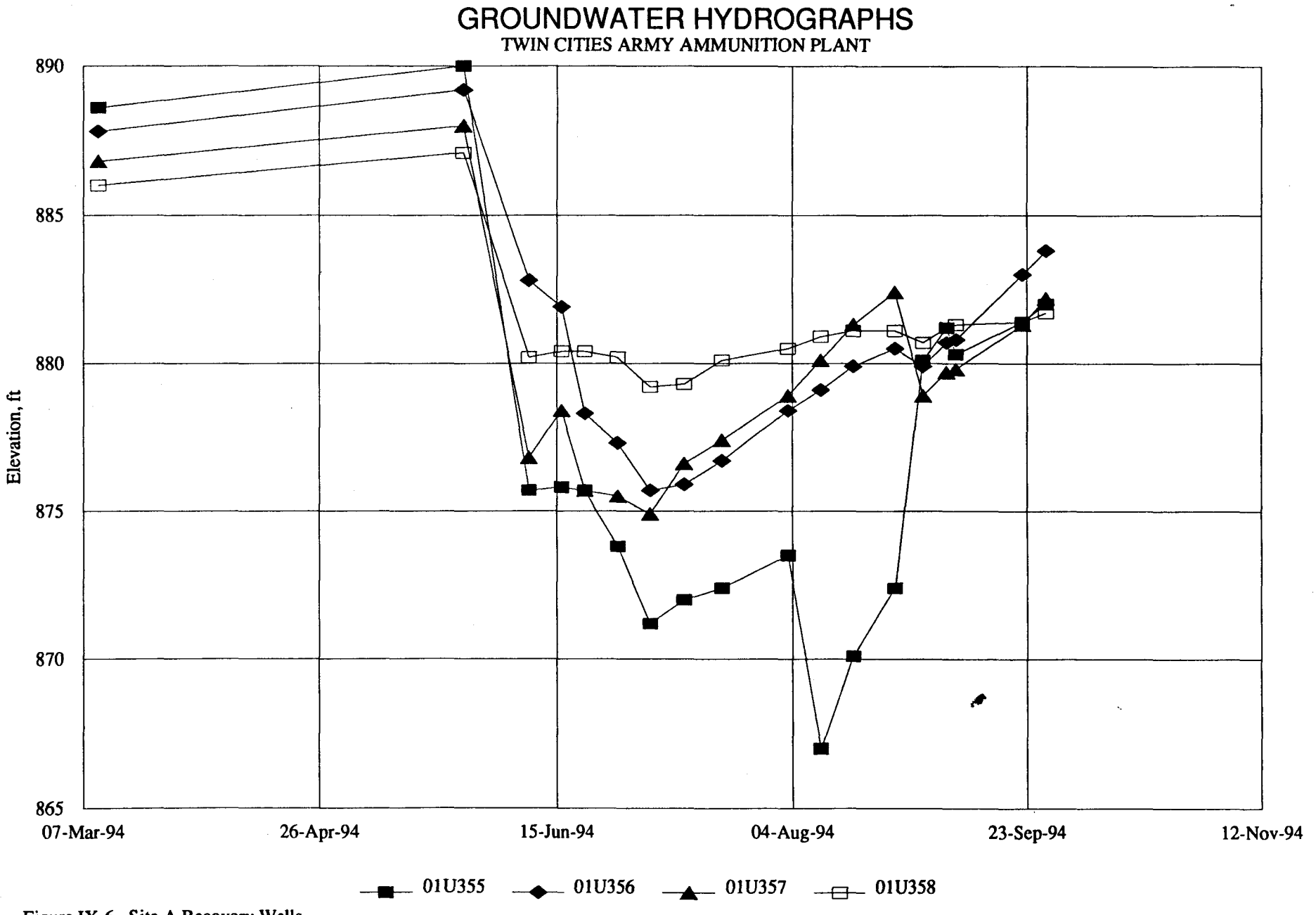
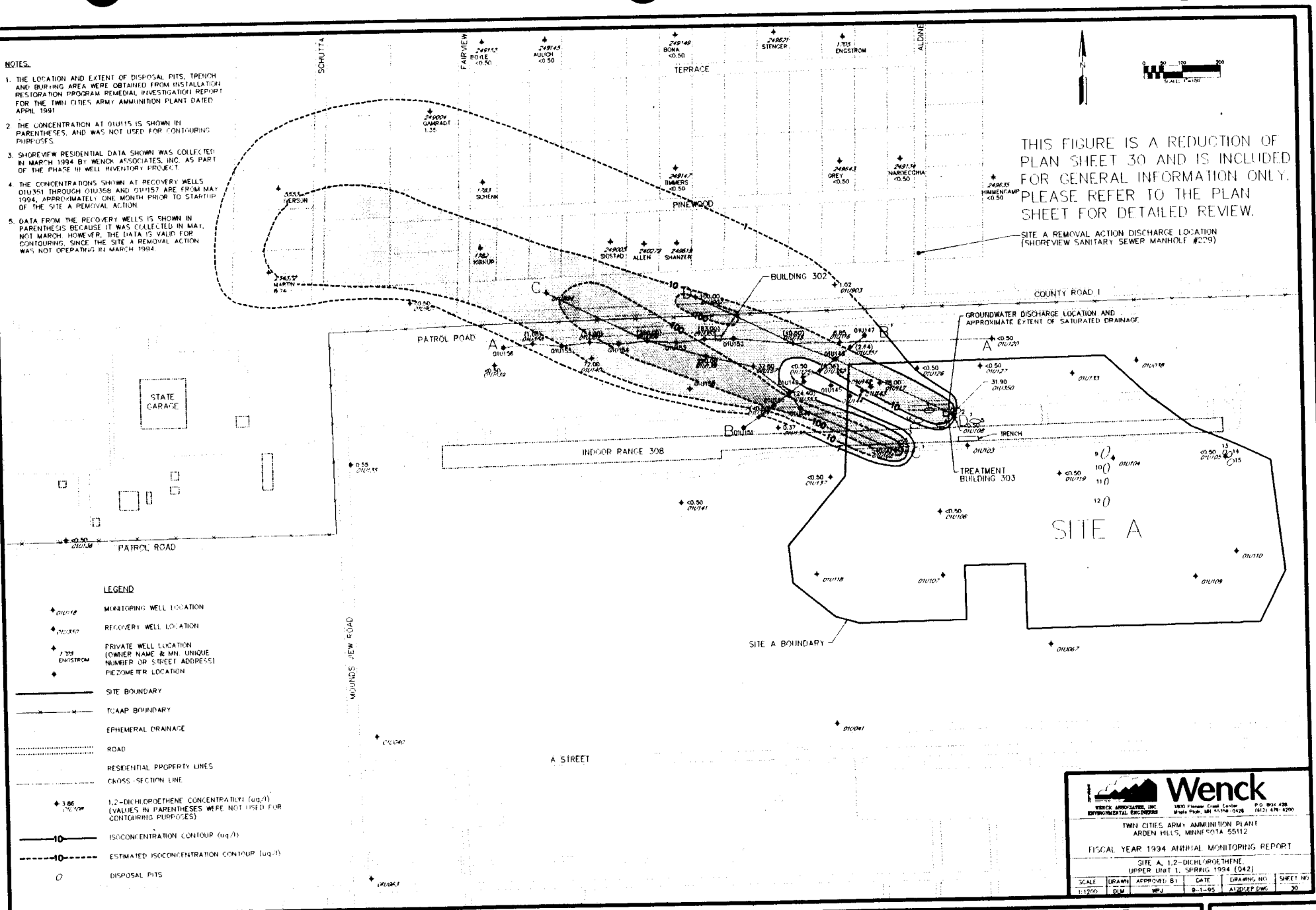


Figure IX-6, Site A Recovery Wells
Wenck Associates, Inc.



TWIN CITIES ARMY AMMUNITION PLANT

Site A, 1,2-Dichloroethene, Unit 1, Spring 1994 (042)

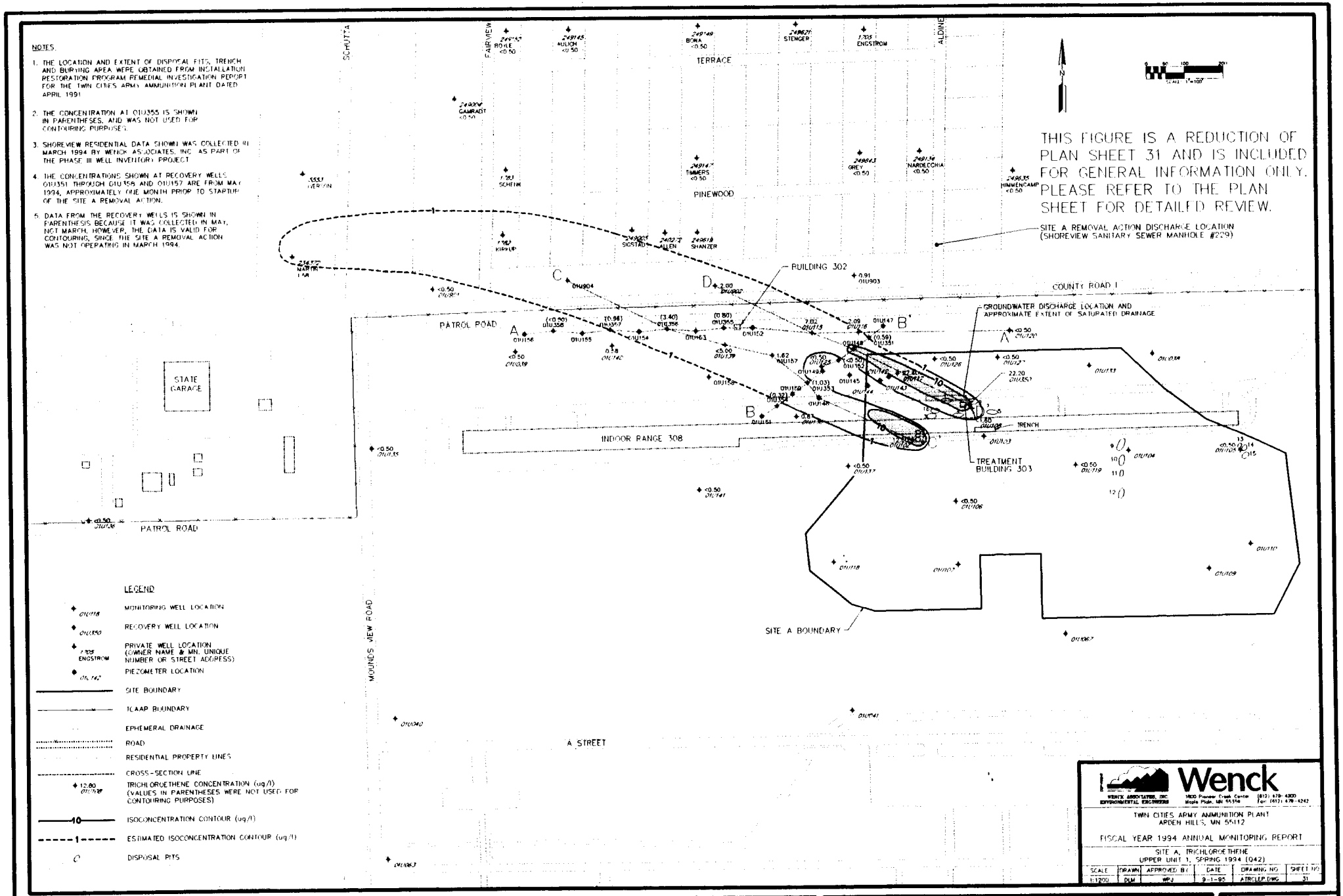
Wenck

Wenck Associates, Inc. Environmental Engineers

1800 Pioneer Creek Center P.O. BOX 428 Maple Plain, MN 55359-0428

SEPT. 1994

Fig IX-7



TWIN CITIES ARMY AMMUNTION PLANT

Site A, Trichloroethene, Unit 1, Spring 1994 (Q42)

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Environmental Engineers

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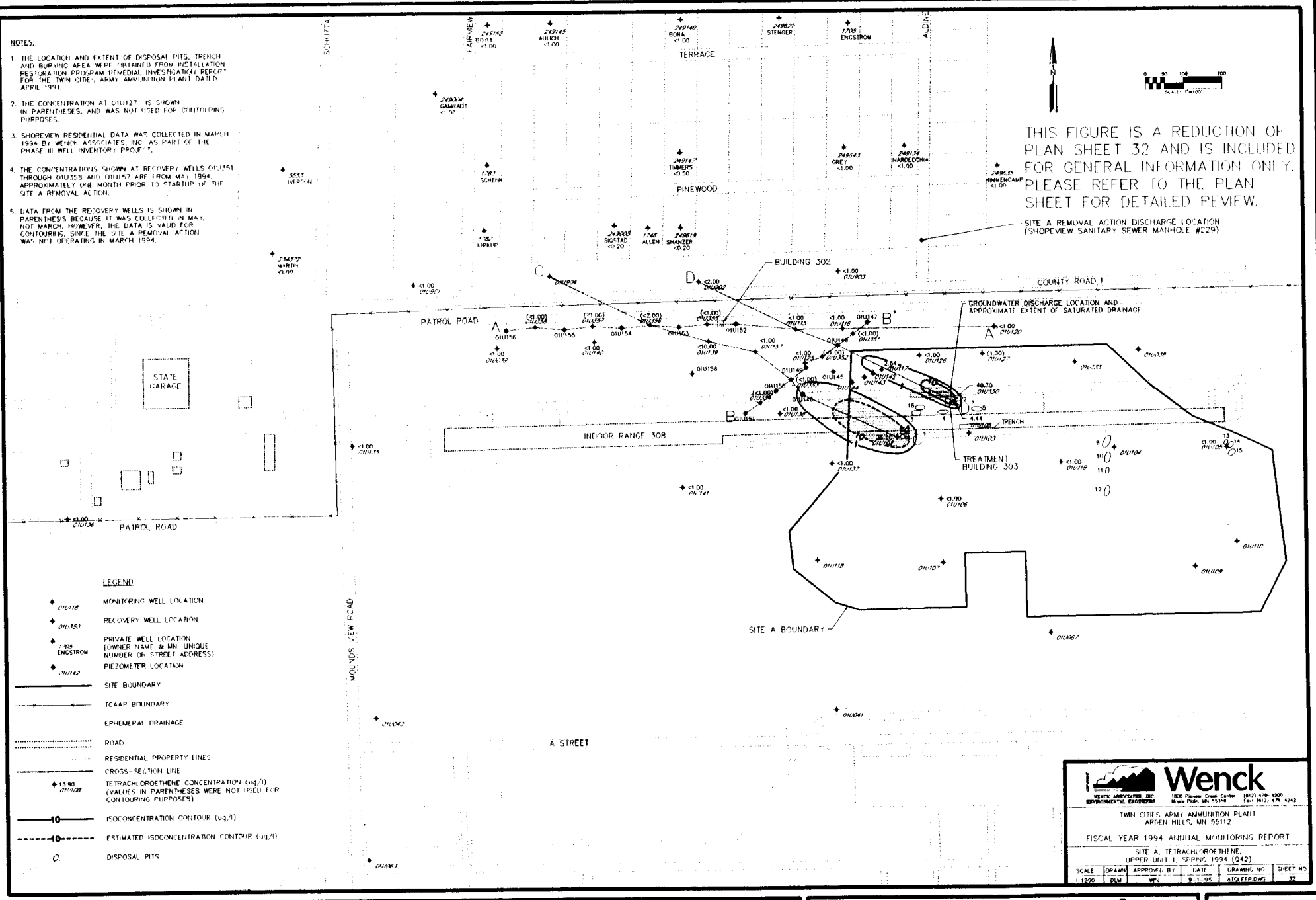
SEPT. 1995

Fig IX-8



TWIN CITIES ARMY AMMUNTION PLANT

Site A, Tetrachloroethene, Unit 1, Spring 1994 (042)

Wenck Associates, Inc.
Environmental Engineers

Wenck

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Maple Plain, MN 55359 0428

SEPT. 1995

Fig IX-9

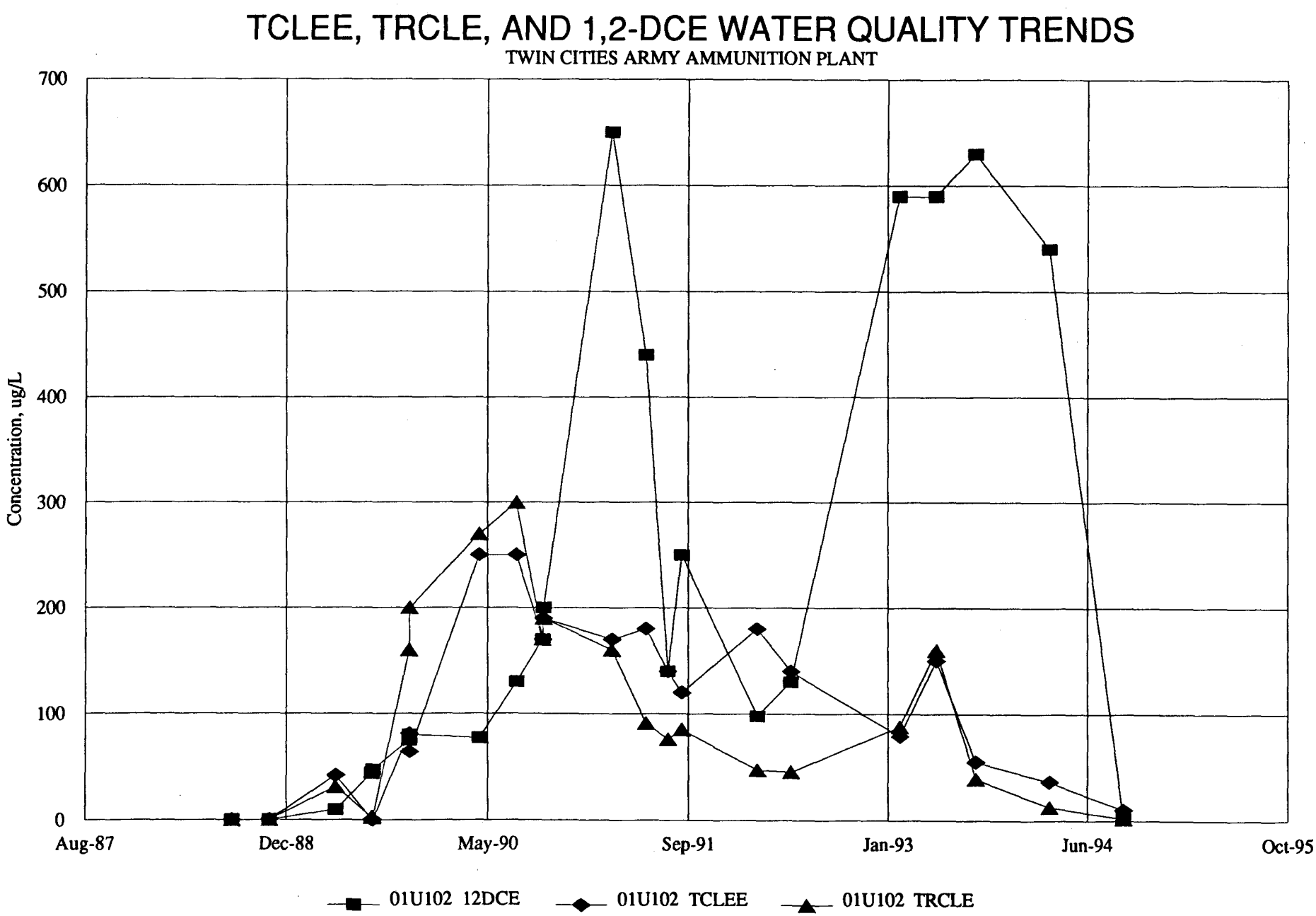


Figure IX-10, Site A, Well 01U102
Wenck Associates, Inc. 12DCE is 1,2-Dichloroethene TCLEE is Tetrachloroethene TRCLE is Trichloroethene

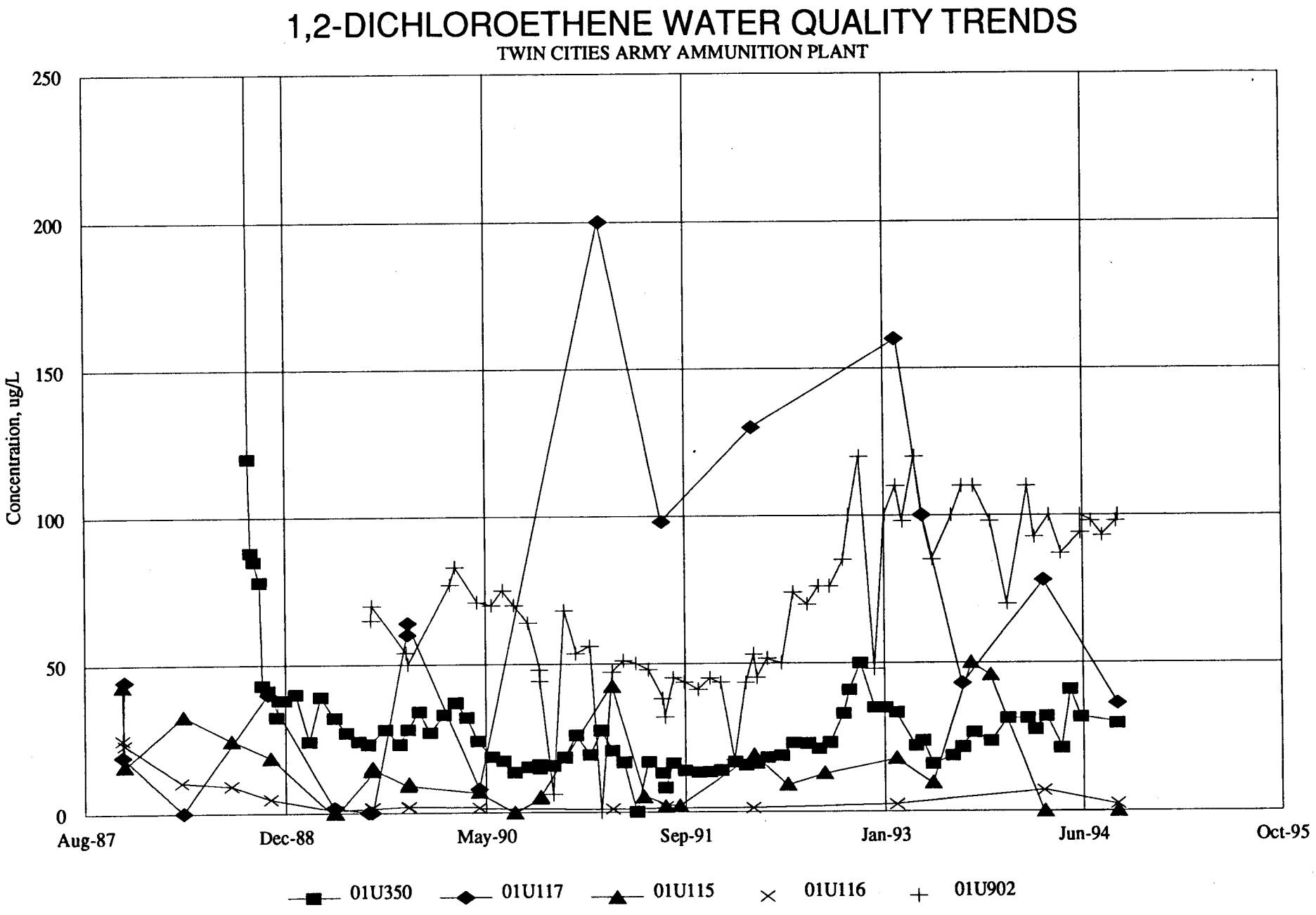


Figure IX-11, Site A
Wenck Associates, Inc.

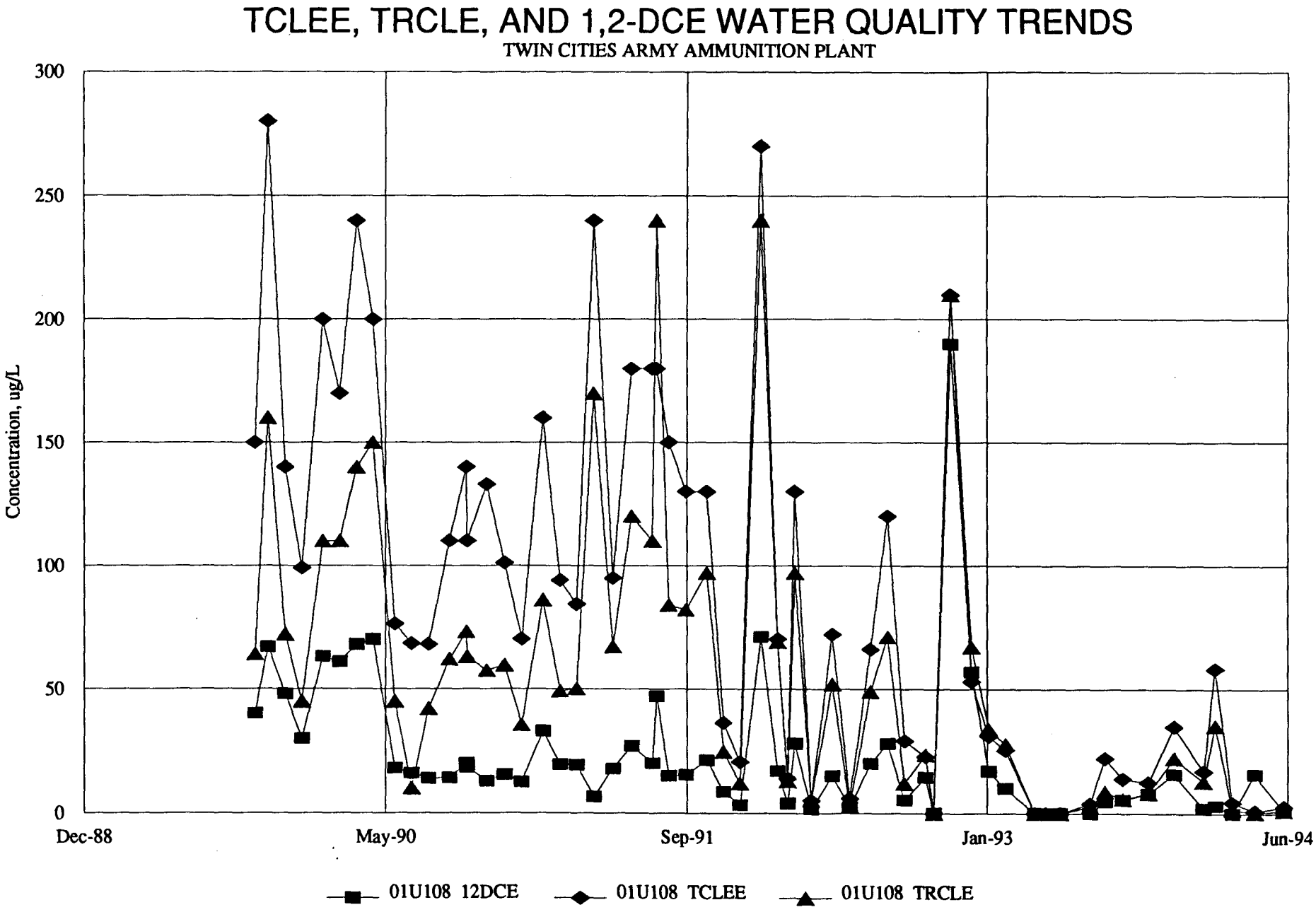


Figure IX-12, Site A, Well 01U108
Wenck Associates, Inc. 12DCE is 1,2-Dichloroethene TCLEE is Tetrachloroethene TRCLE is Trichloroethene

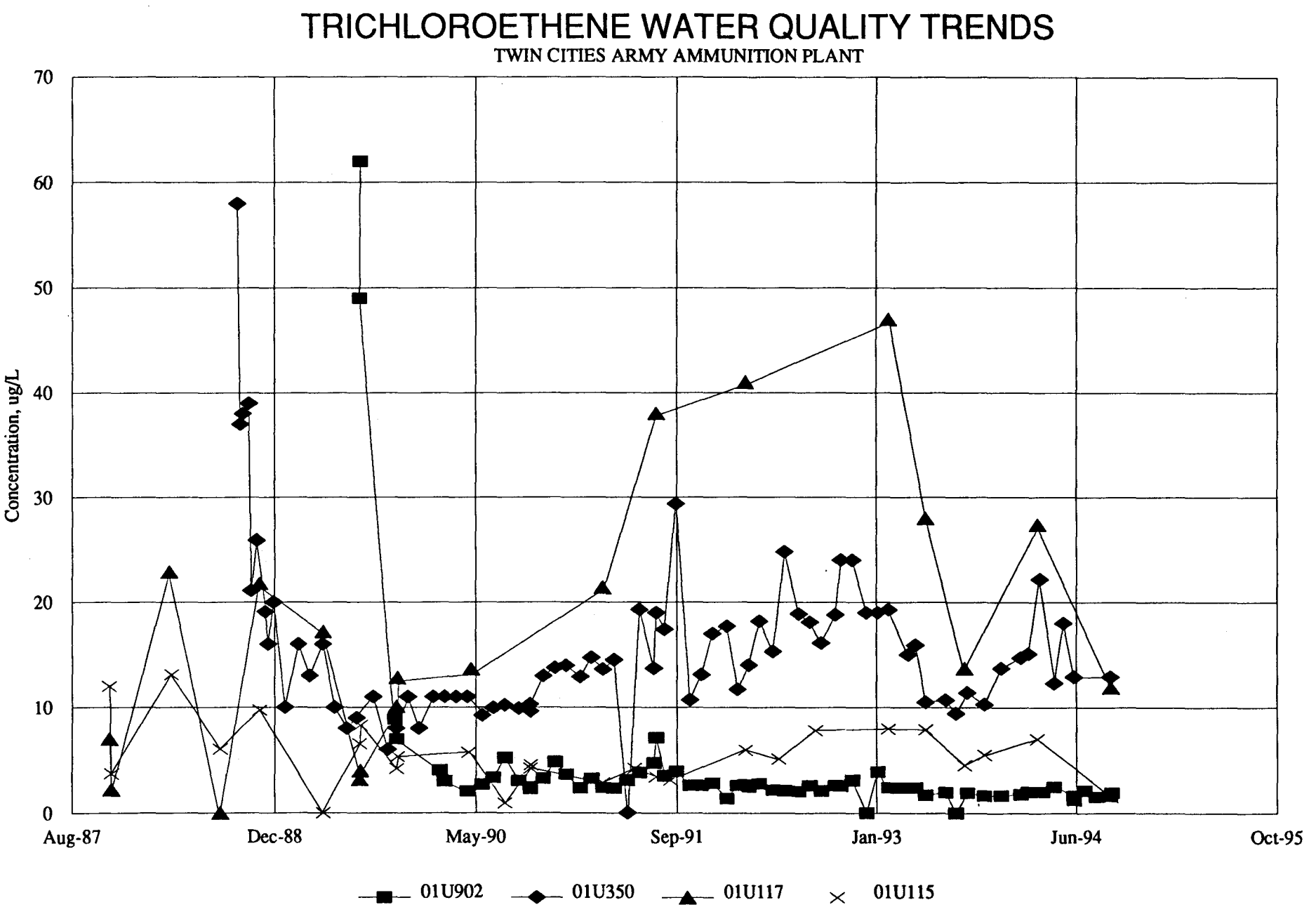


Figure IX-13, Site A
Wenck Associates, Inc.

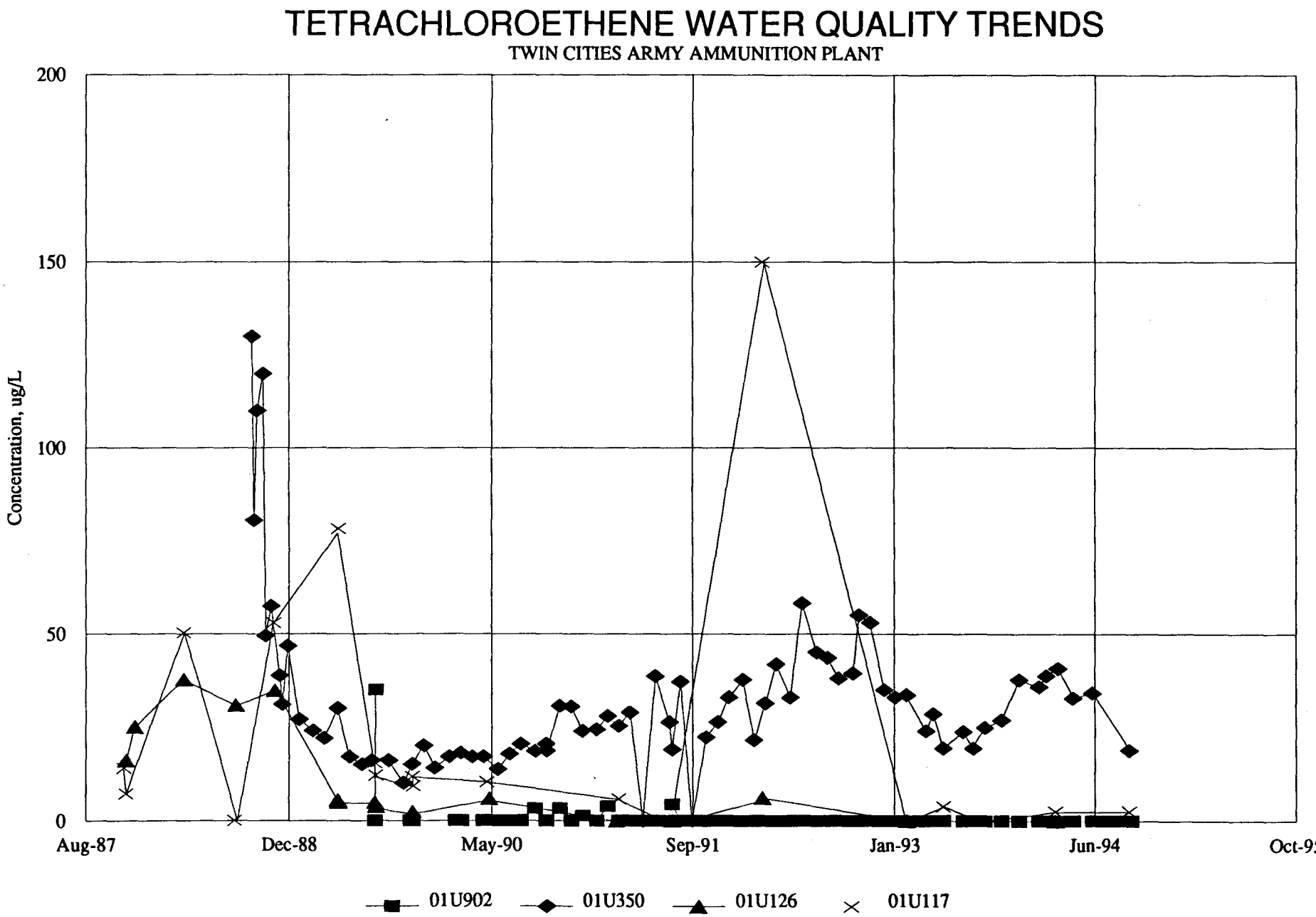
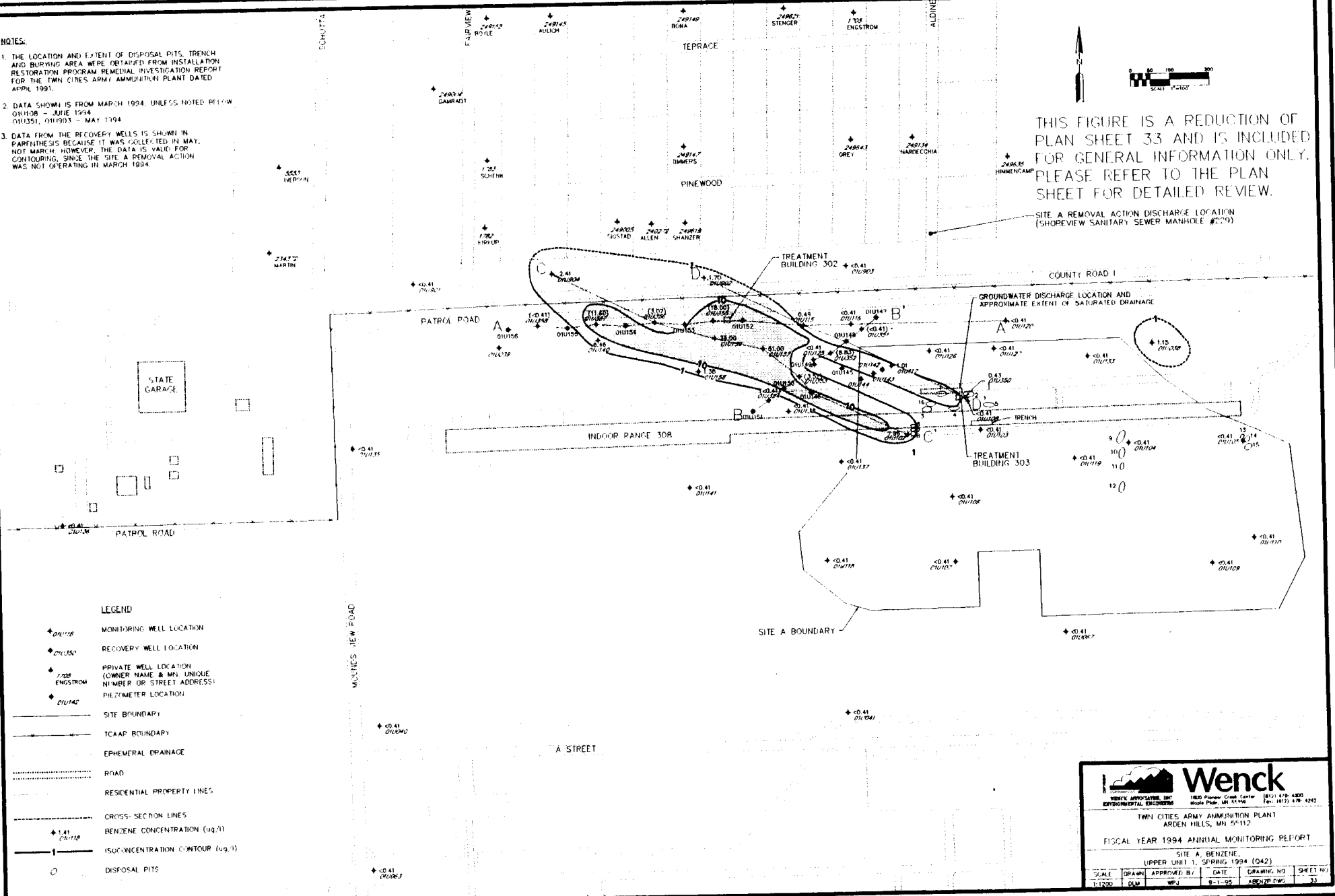


Figure IX-14, Site A
Wenck Associates. Inc.



TWIN CITIES ARMY AMMUNTION PLANT

Site A, Benzene, Unit 1, Spring 1994 (042)

Wenck

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Environmental Engineers

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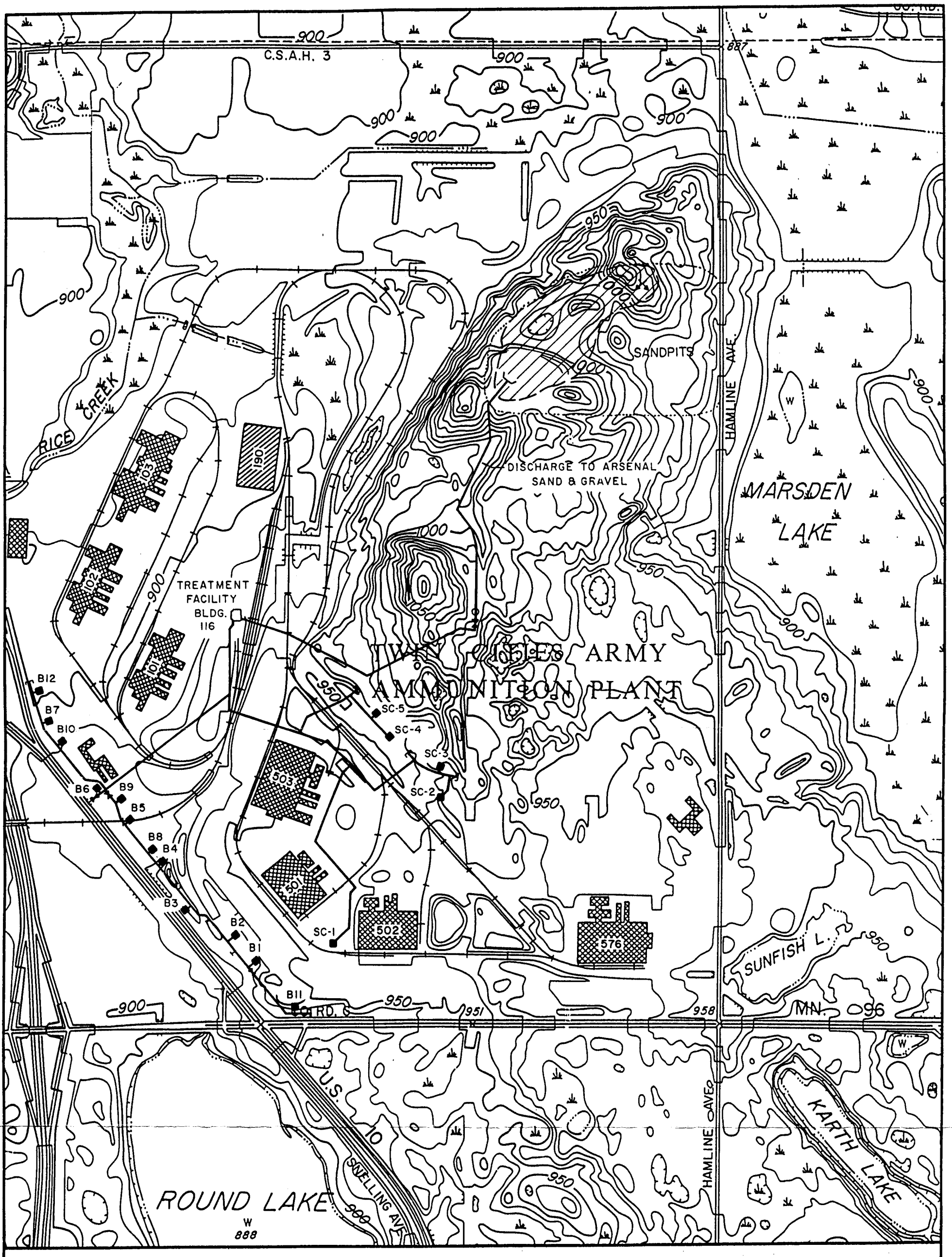
Maple Plain, MN 55359-0428

SEPT. 1995

Fig IX-15



LEGEND

- EXTRACTION WELL LOCATION
- ARSENAL SAND AND GRAVEL PIT

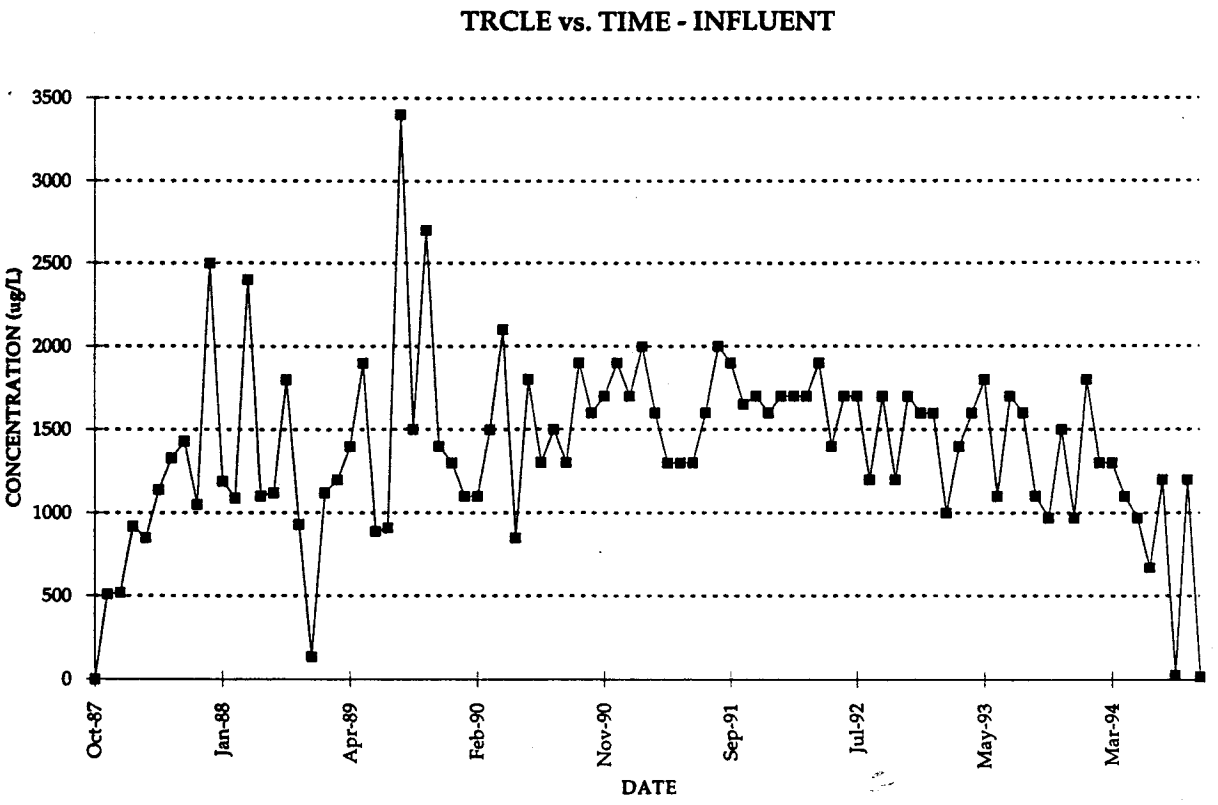
N

SCALE: 1" = 1000'

figure X–1
TGRS LAYOUT
Twin Cities Army Ammunition Plant

CRA

5530( )–DEC. 19/94–REV.0 (MN)



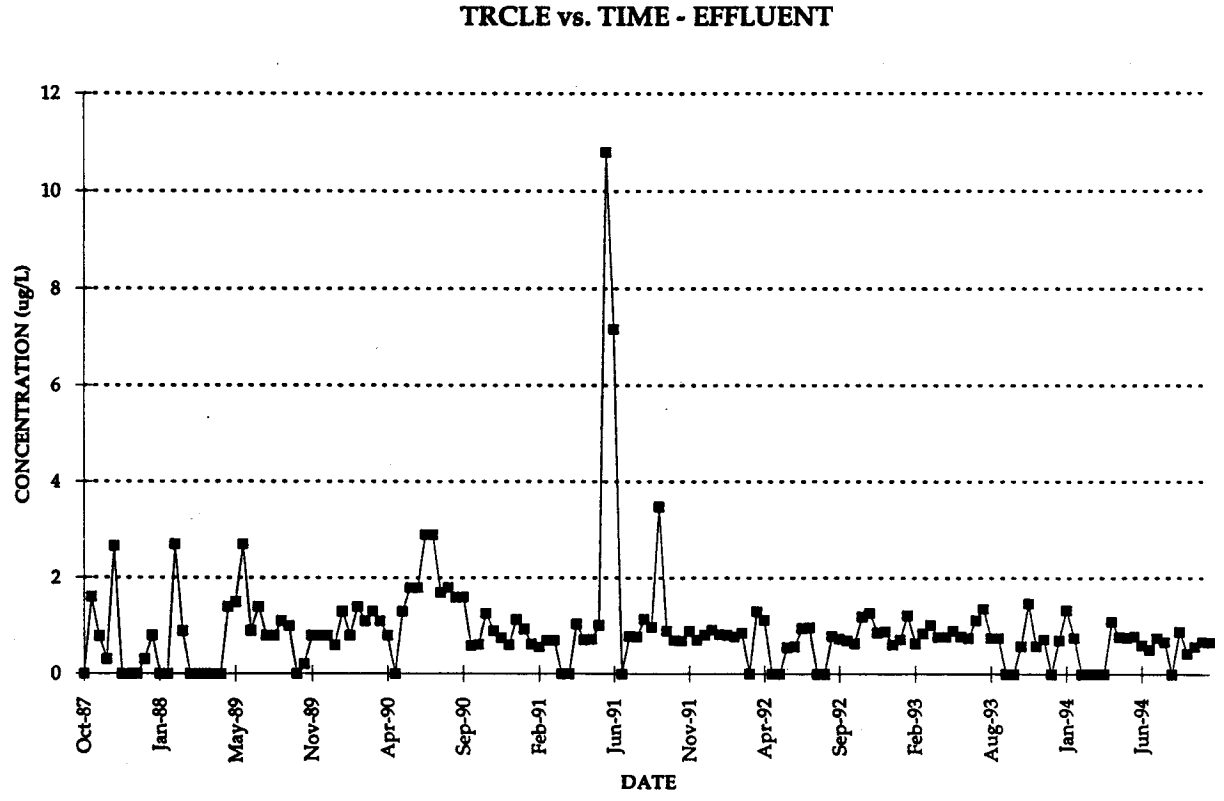


figure X–2

TGRS TREATMENT SYSTEM PERFORMANCE

Twin Cities Army Ammunition Plant

CRA

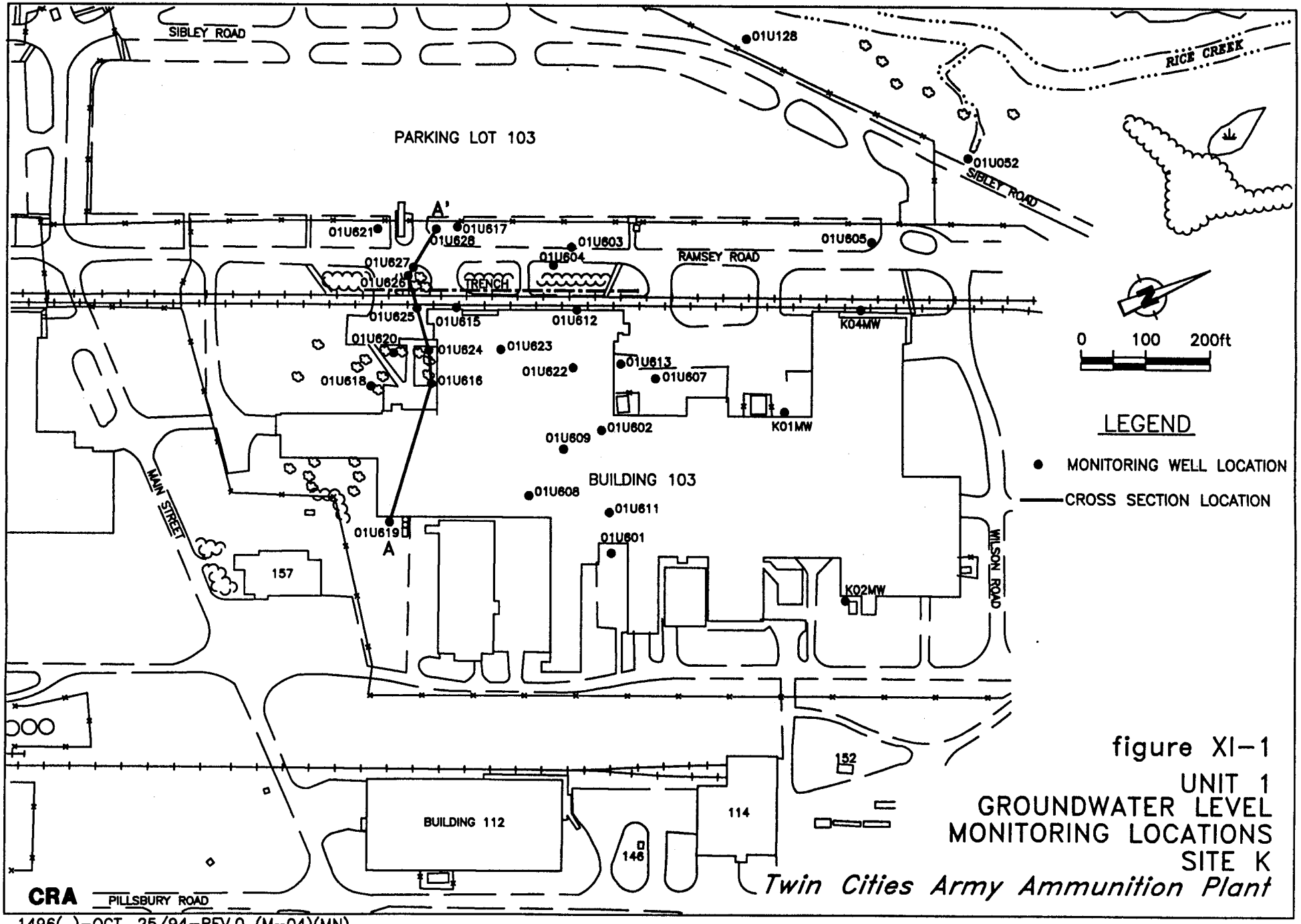


figure XI–1

UNIT 1
GROUNDWATER LEVEL
MONITORING LOCATIONS
SITE K

Twin Cities Army Ammunition Plant

1496( )–OCT. 25/94–REV.0 (M–04)(MN)

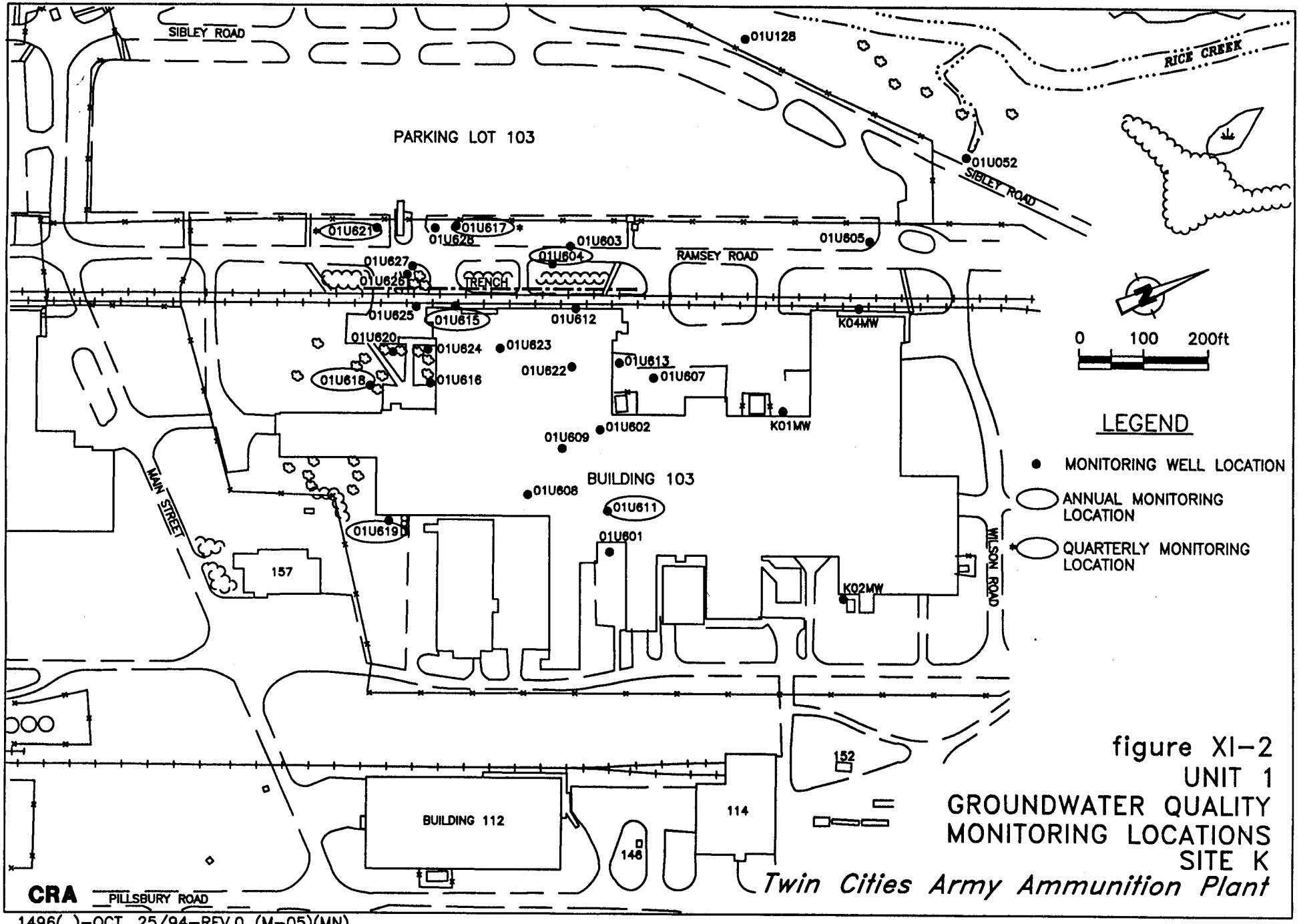
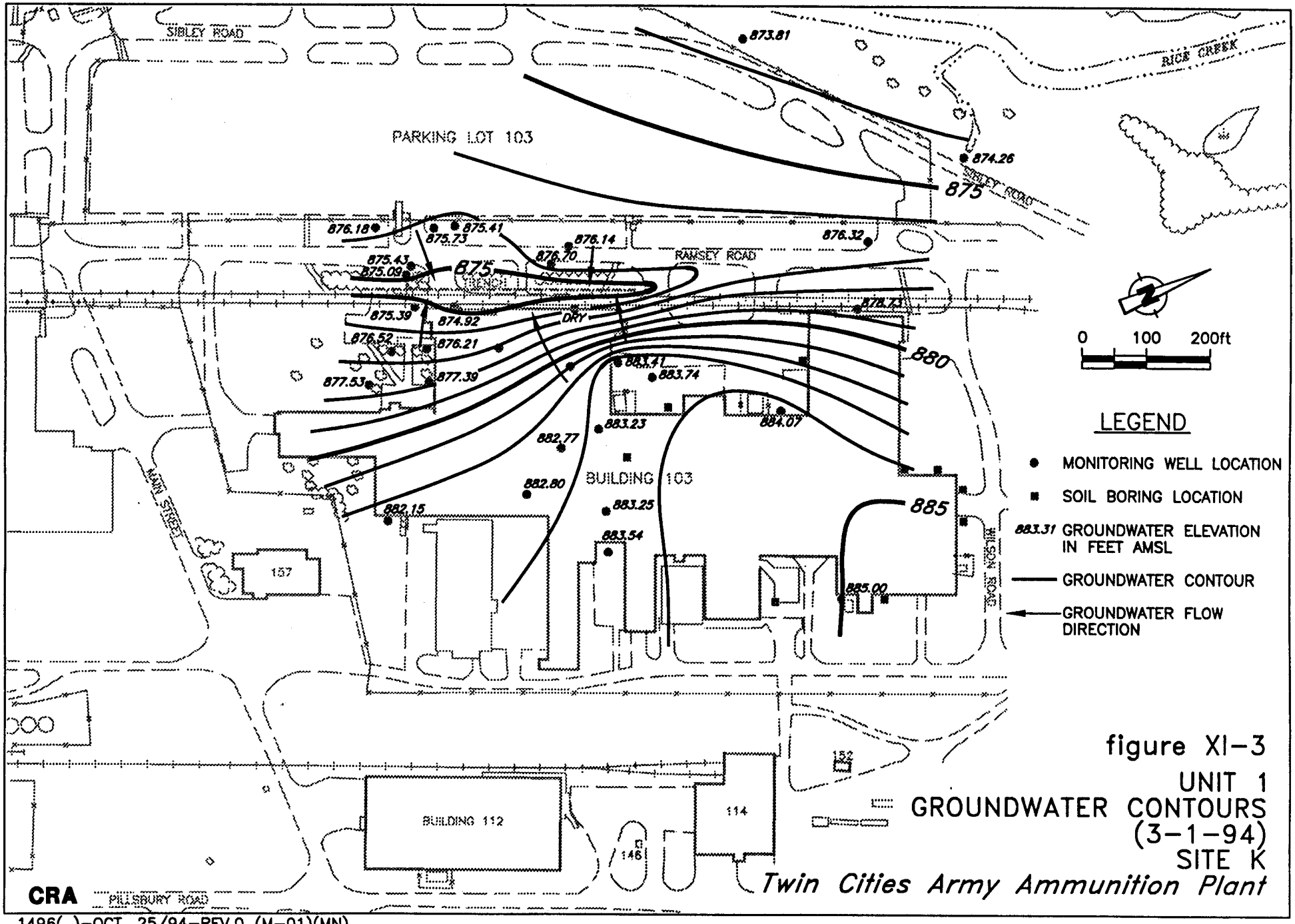
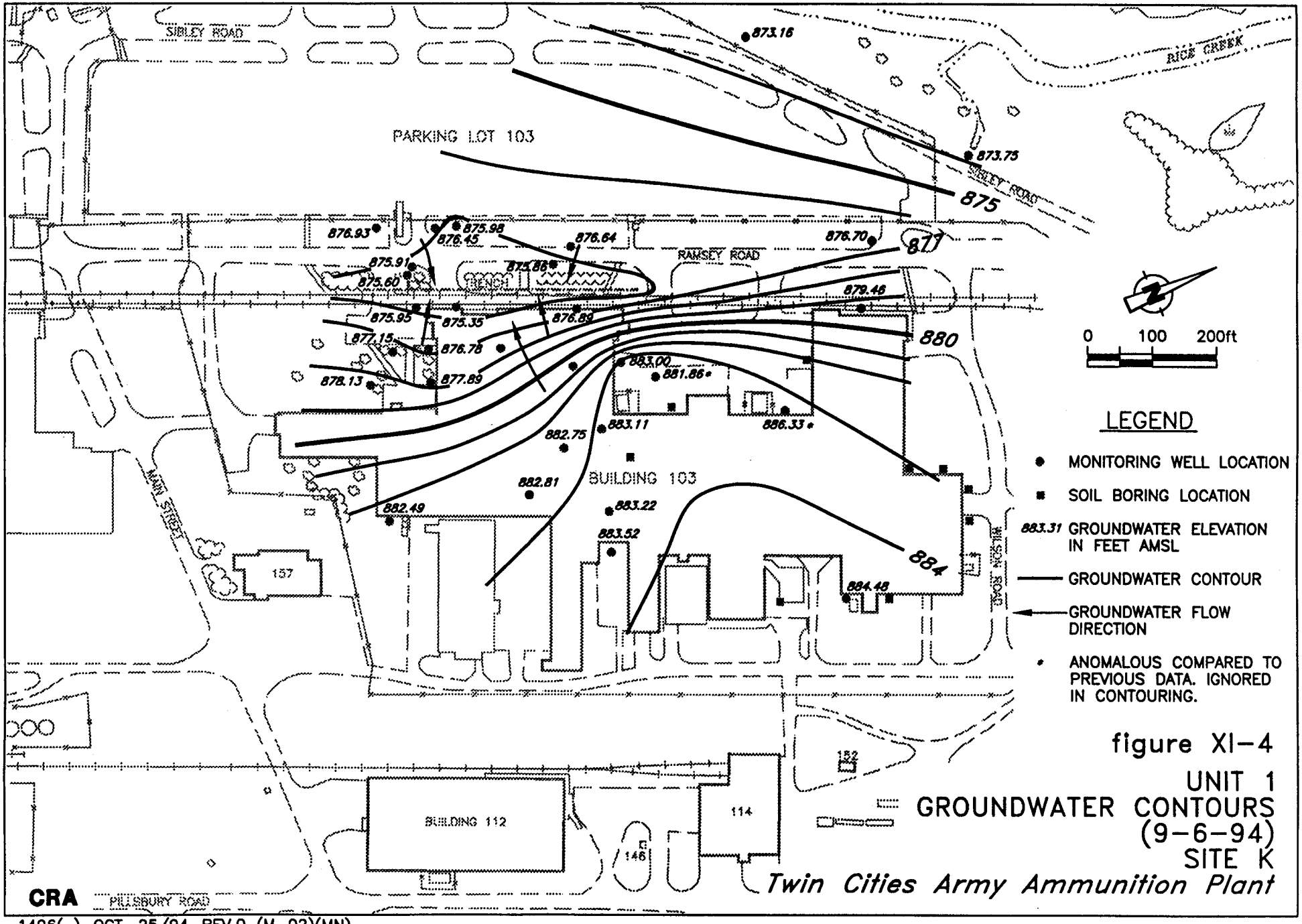


figure XI-2
UNIT 1
GROUNDWATER QUALITY
MONITORING LOCATIONS
SITE K
Twin Cities Army Ammunition Plant

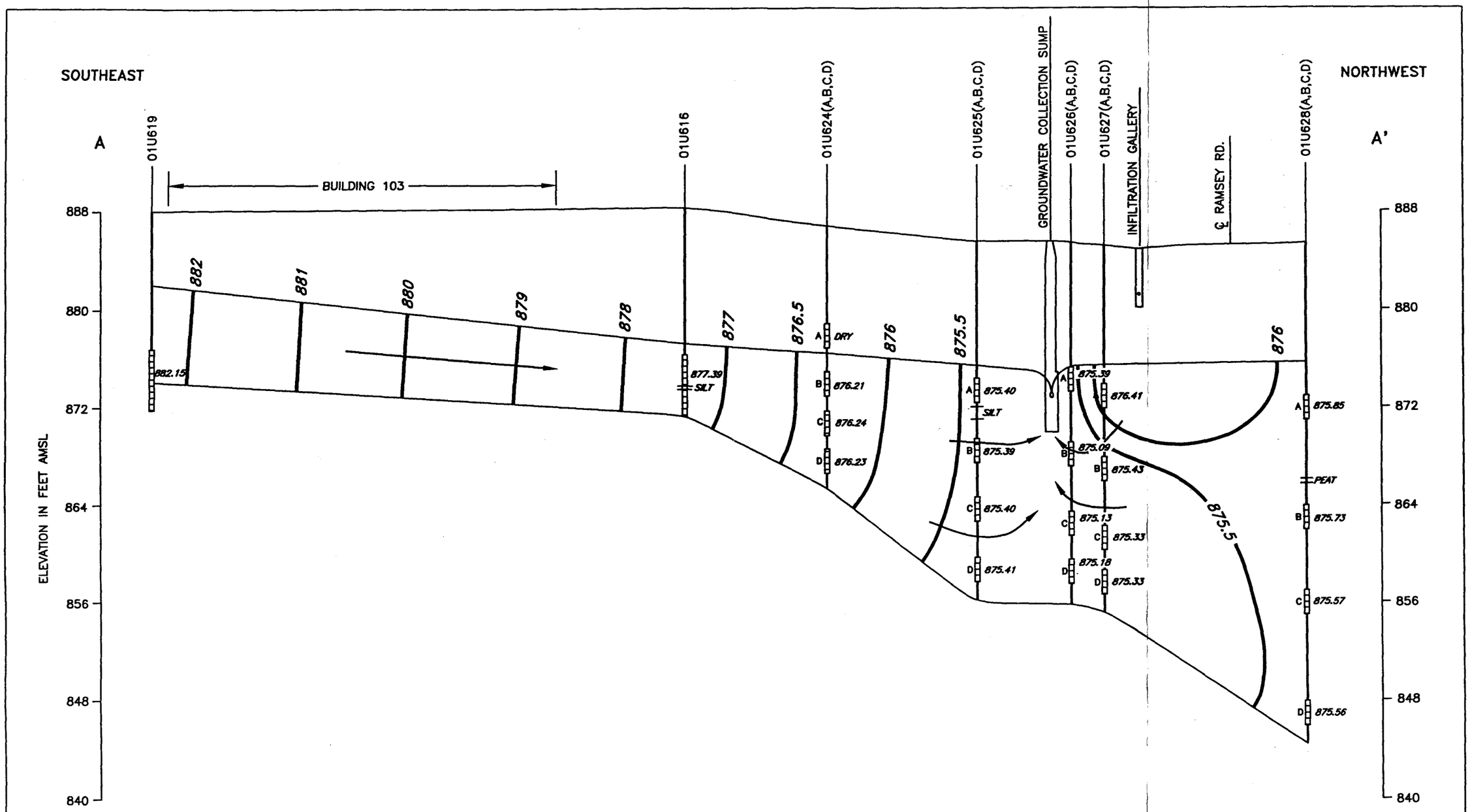
1496( )-OCT. 25/94-REV.0 (M-05)(MN)



1496( )-OCT. 25/94-REV.0 (M-01)(MN)



1496( )-OCT. 25/94-REV.0 (M-02)(MN)



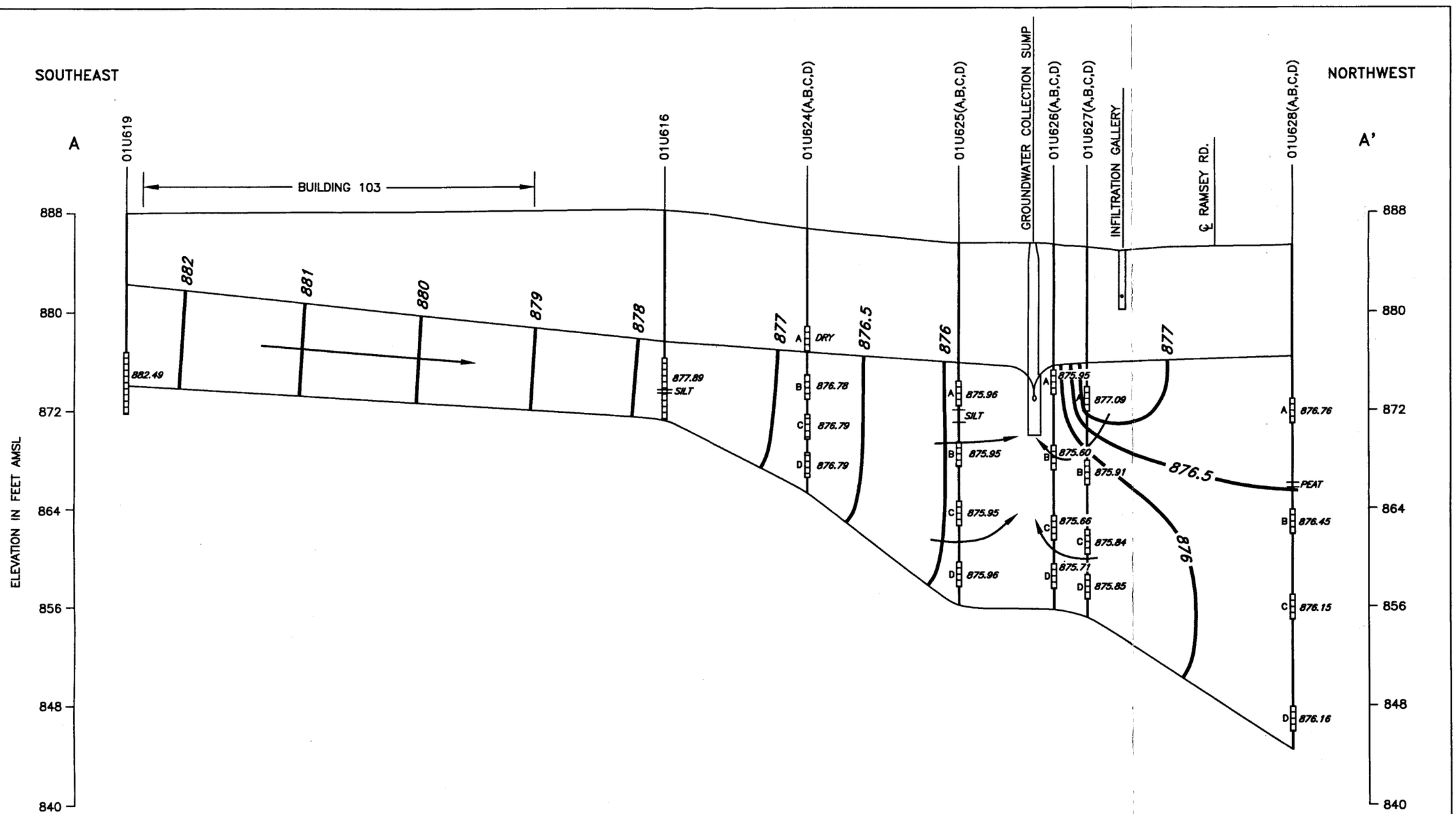
SCALE: 1"=8' VER., 1"=40' HOR.

figure XI–5

HYDROGEOLOGIC CROSS SECTION A–A'
(3–1–94)
SITE K
Twin Cities Army Ammunition Plant

CRA

1496( )–OCT. 25/94–REV.0 (X–01)(MN)



SCALE: 1"=8' VER., 1"=40' HOR.

figure XI–6

HYDROGEOLOGIC CROSS SECTION A–A'
(9–6–94)
SITE K
Twin Cities Army Ammunition Plant

CRA

1496( )–OCT. 25/94–REV.0 (X–02)(MN)

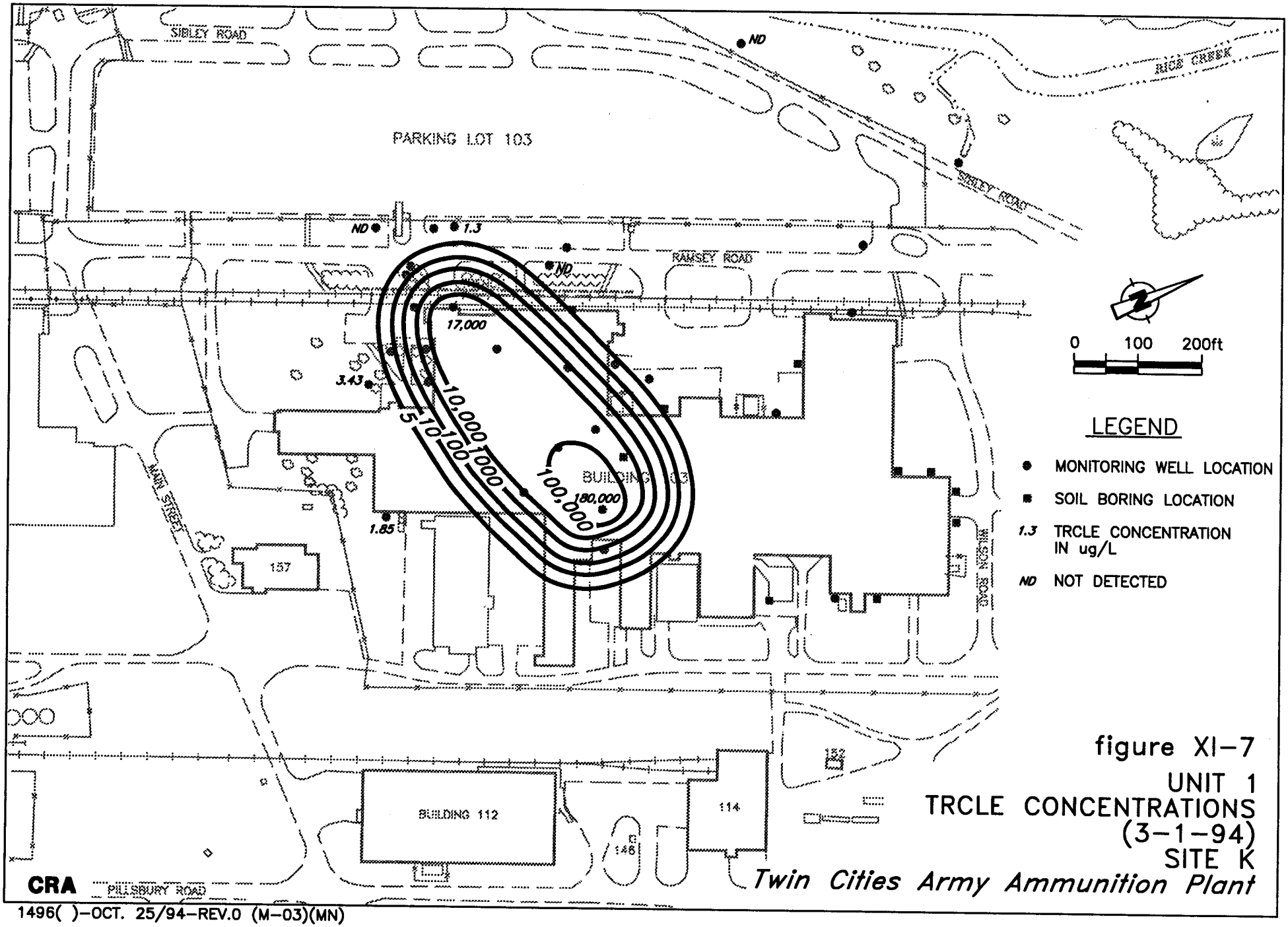


figure XI–7

UNIT 1
TRCLE CONCENTRATIONS
(3–1–94)
SITE K

Twin Cities Army Ammunition Plant

CRA

1496( )–OCT. 25/94–REV.0 (M–03)(MN)

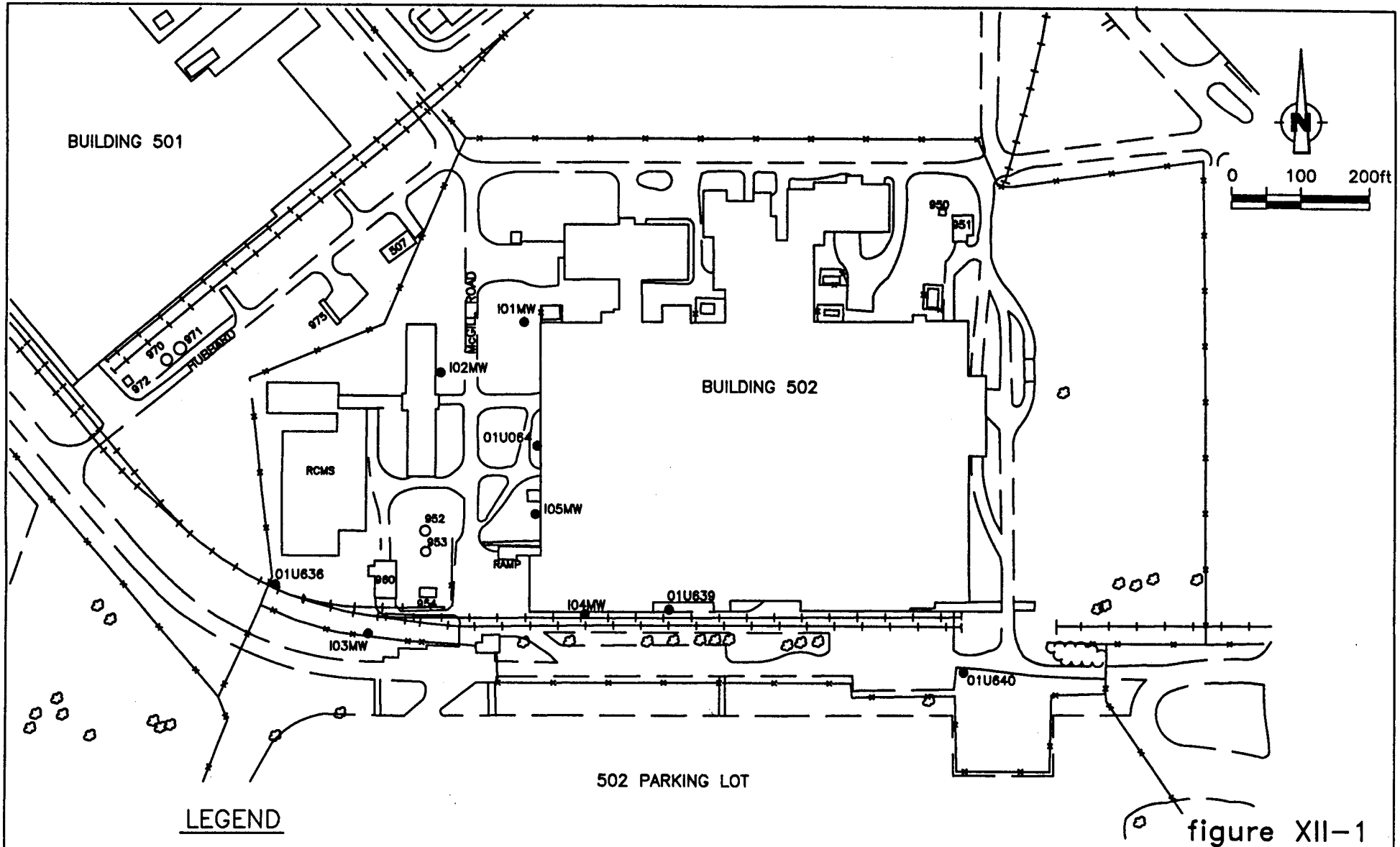


figure XII–1

UNIT 1 GROUNDWATER QUALITY MONITORING LOCATIONS SITE I

Twin Cities Army Ammunition Plant

CRA

4304( )–OCT. 25/94–REV.0 (M–01)(MN)

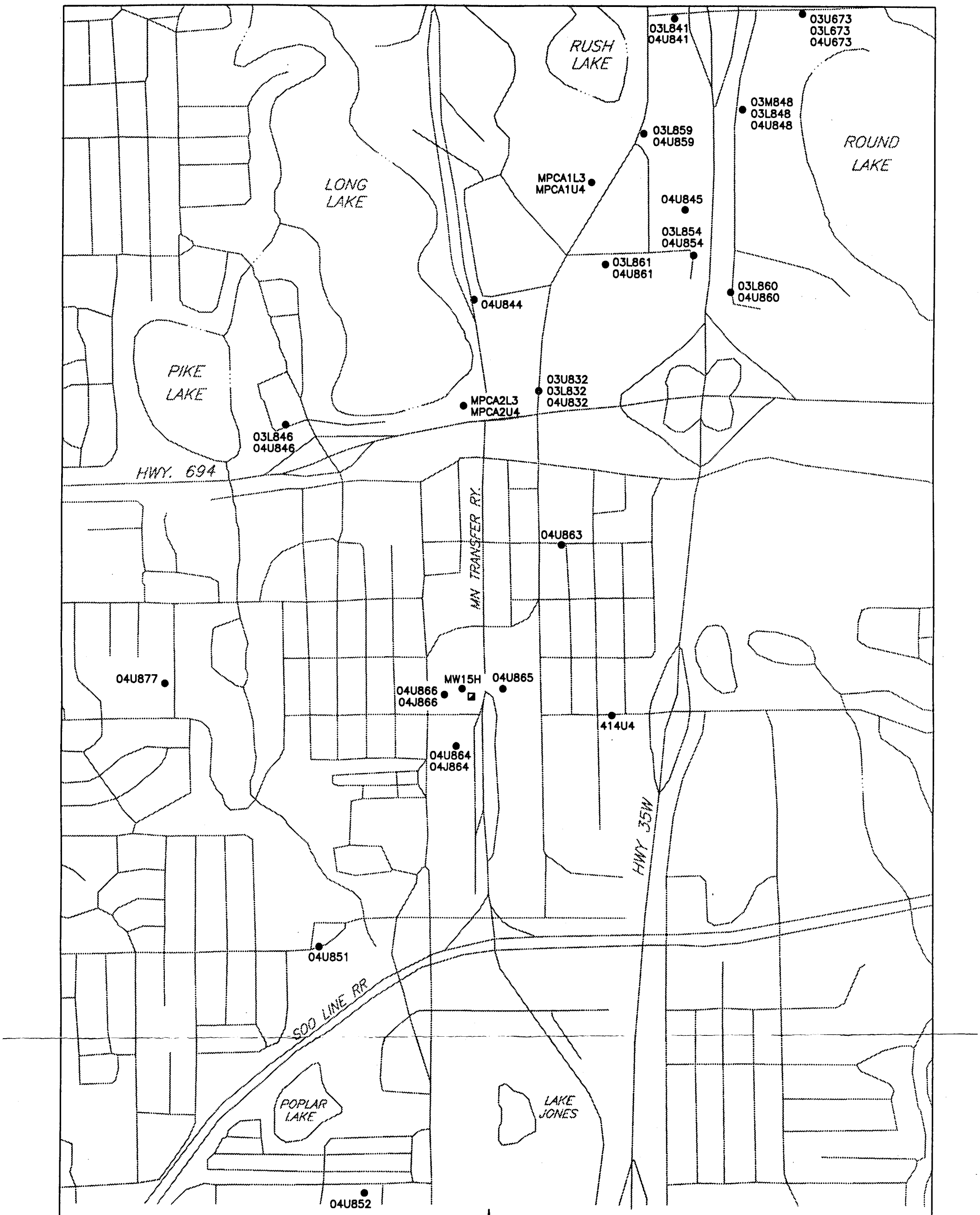


figure XIII-1
SITE PLAN
PGRS

3877( )-DEC. 19/94-REV.0 (M-01)(MN)

Figure XIII - 2

TRCLE vs. TIME - PGRS INFLUENT

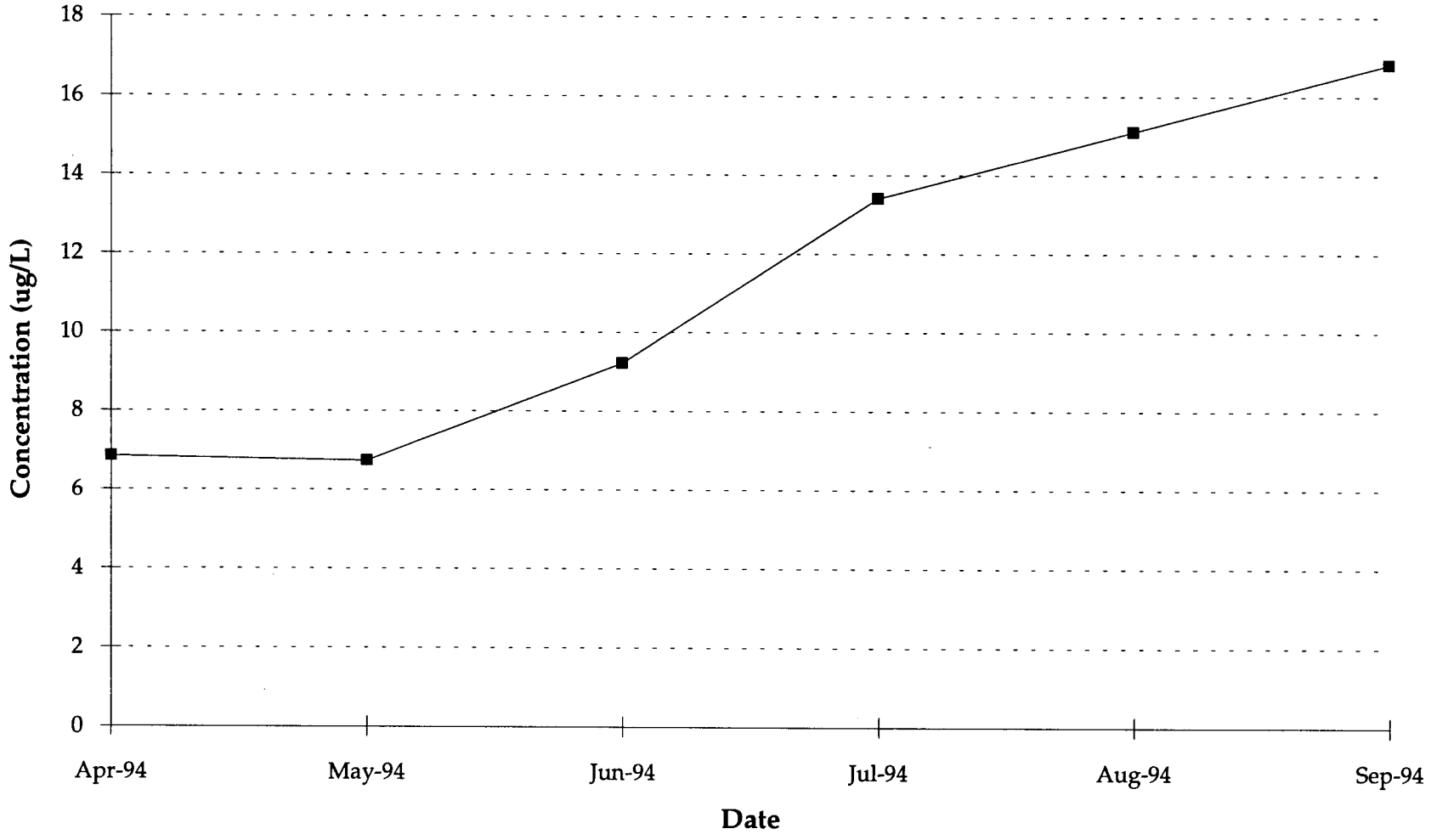
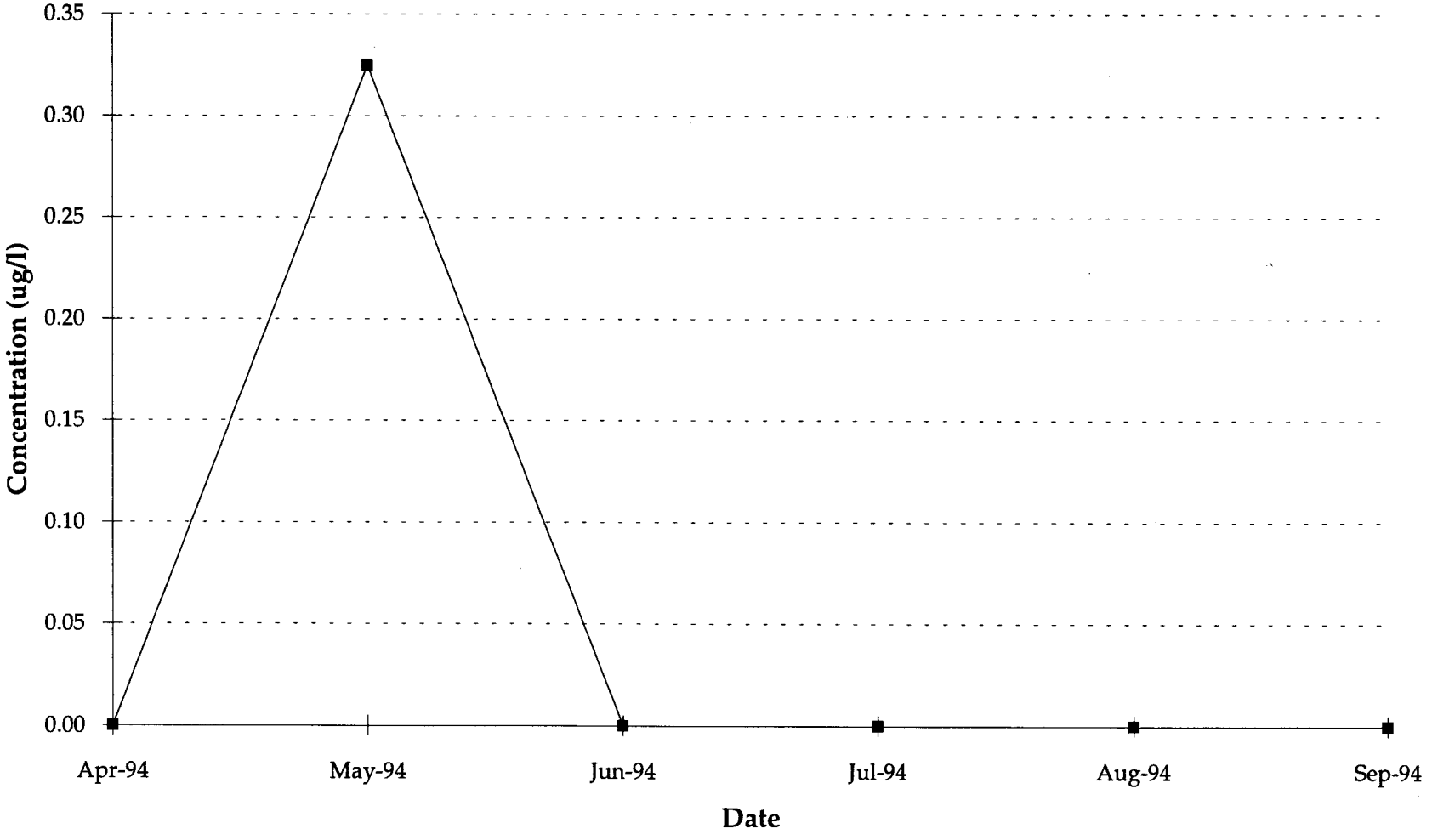


Figure XIII - 3

TRCLE vs. TIME - PGRS EFFLUENT



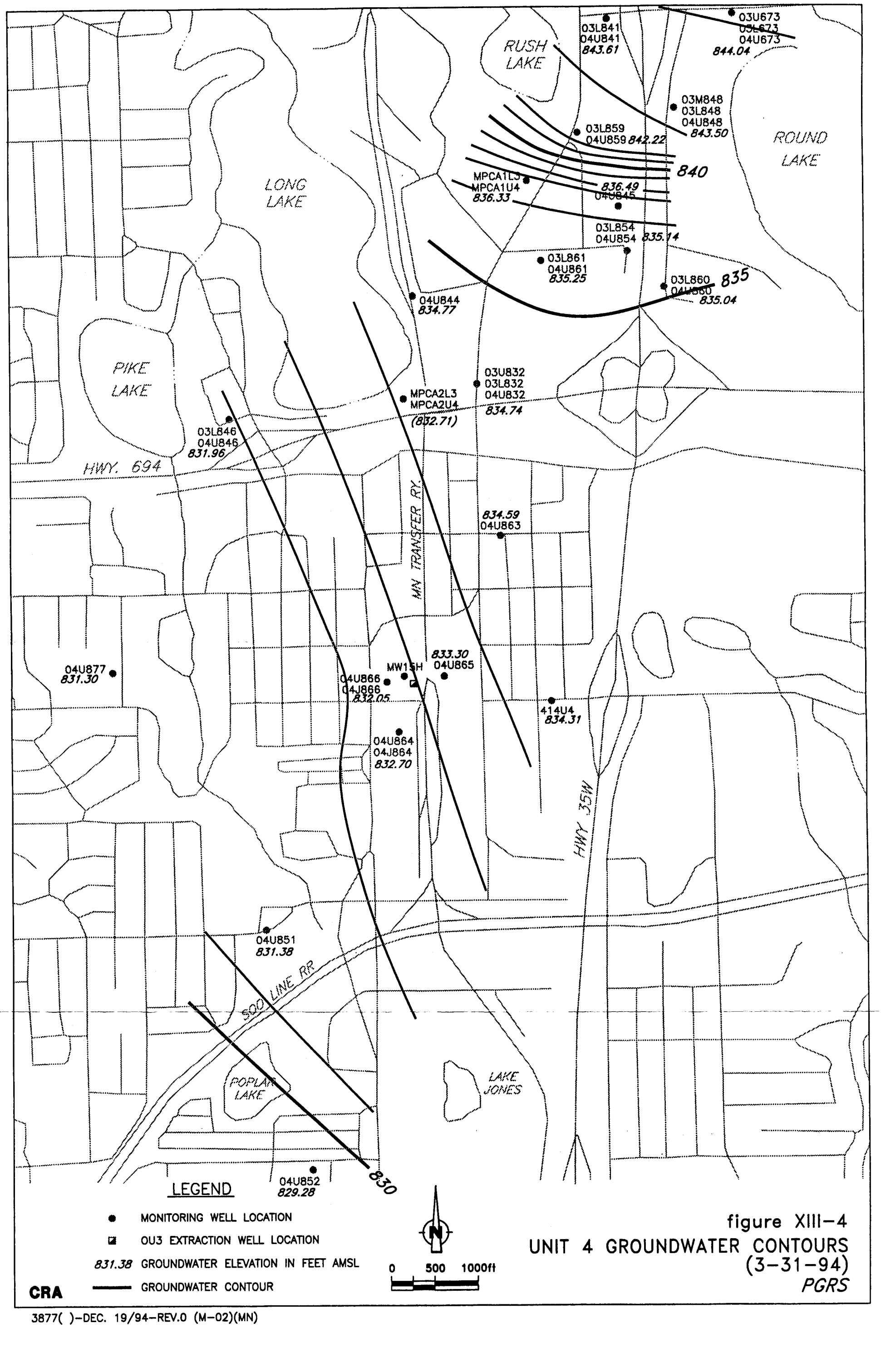


figure XIII–4
UNIT 4 GROUNDWATER CONTOURS
(3–31–94)
PGRS

3877( )–DEC. 19/94–REV.0 (M–02)(MN)

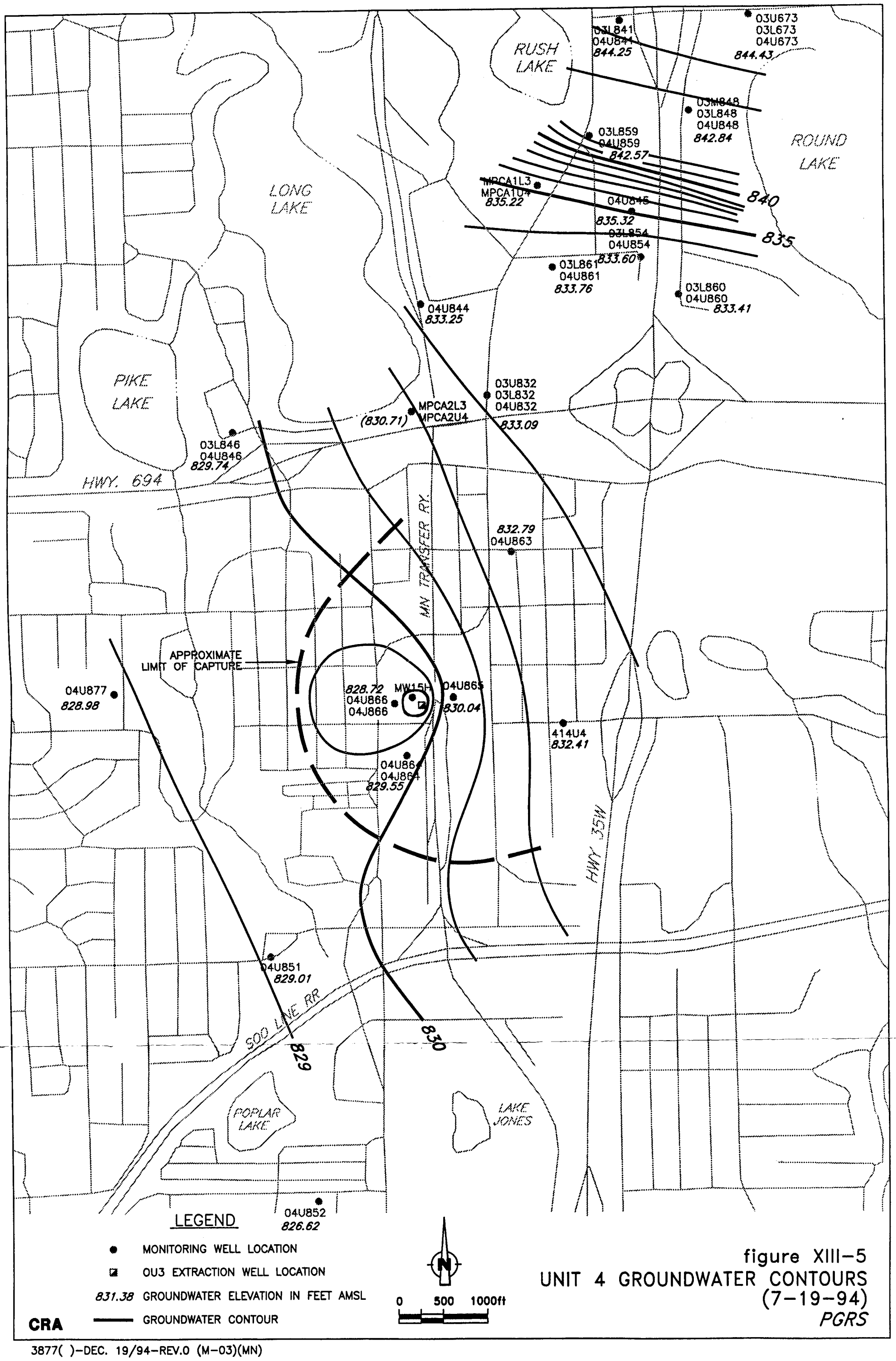


figure XIII–5
UNIT 4 GROUNDWATER CONTOURS
(7–19–94)
PGRS

3877( )–DEC. 19/94–REV.0 (M–03)(MN)

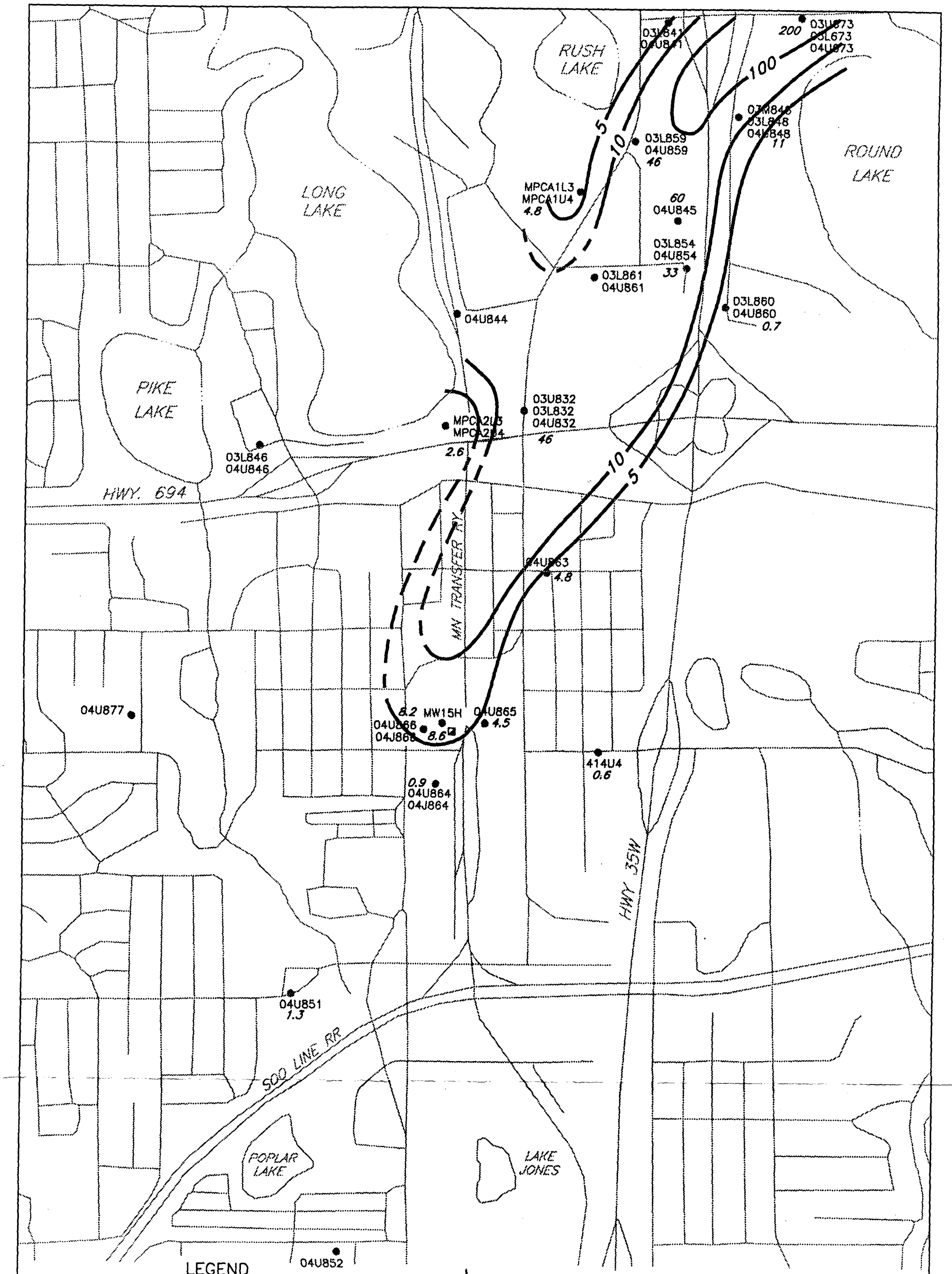


figure XIII-6
UNIT 4 TRCLE CONTOURS
(JUNE 1994)
SOUTH PLUME
PGRS

3877( )-DEC. 19/94-REV.0 (M-04)(MN)

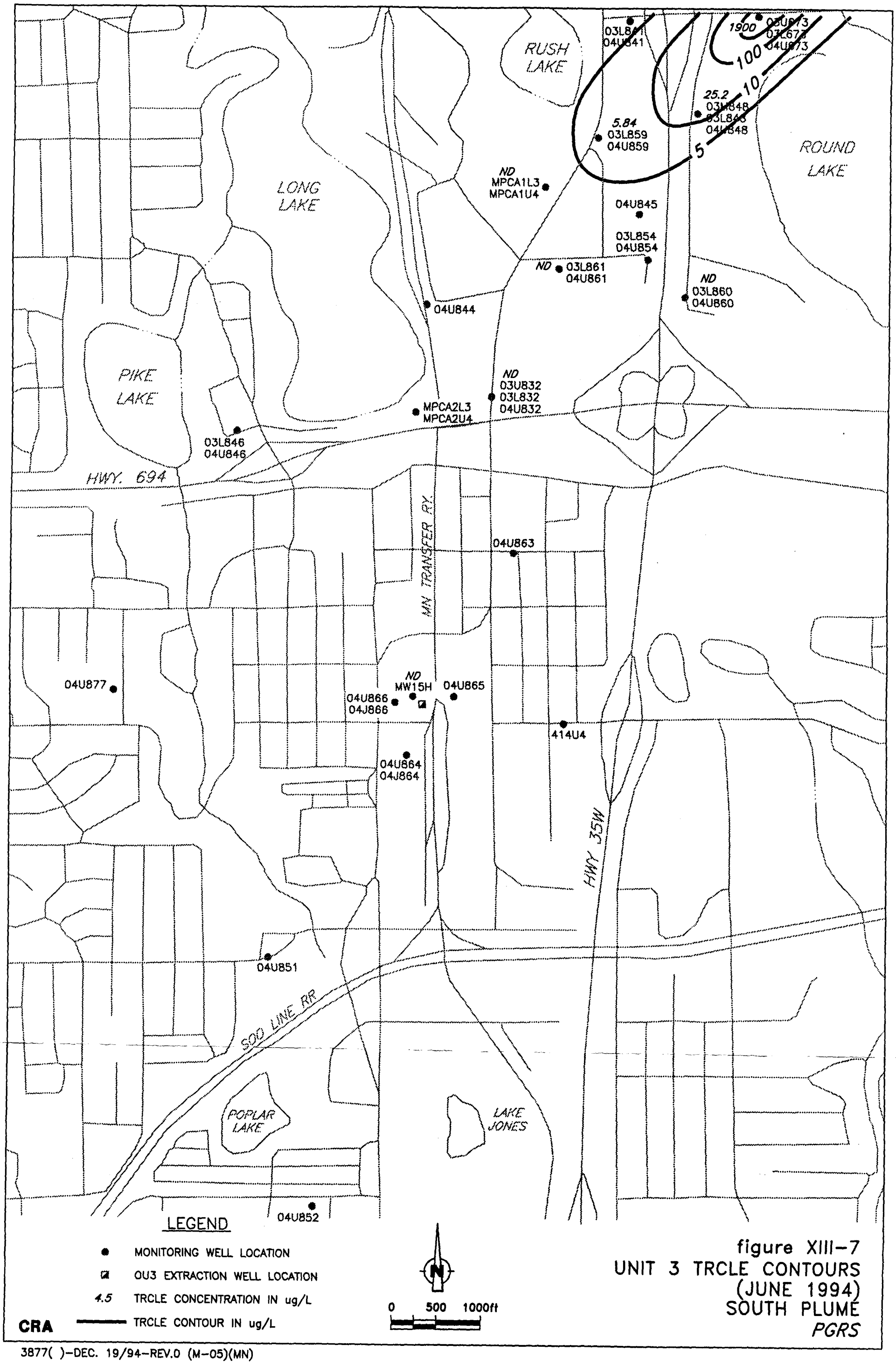


figure XIII-7
UNIT 3 TRCLE CONTOURS
(JUNE 1994)
SOUTH PLUME
PGRS

3877( )-DEC. 19/94-REV.0 (M-05)(MN)

APPENDIX A

Appendix A

Select Project Correspondence

Appendix A.1

FY 93 AMR/FY 94 AMP Consistency Approval Letter

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

HSRM-6J

JUN 25 1993

Mr. Martin R. McCleery
Remedial Project Manager
Twin Cities Army Ammunition Plant
New Brighton, Minnesota 55112-5700

Re: Consistency Test for the Fiscal Year 1992 Annual Monitoring Report/Fiscal Year 1994 Annual Monitoring Plan for the Twin Cities Army Ammunition Plant

Dear Mr. McCleery:

Staff at the U.S. Environmental Protection Agency (U.S. EPA) and the Minnesota Pollution Control Agency (MPCA) have reviewed the draft final version of the subject document, dated February 1993. We have also reviewed the updated revised pages provided in response to the Agencies' comments on the draft and incorporating the revisions agreed to at the May 5, 1993 meeting. You are hereby advised that, in accordance with Chapter XIV of the Federal Facility Agreement, the Fiscal Year 1992 Annual Monitoring Report/Fiscal Year 1994 Annual Monitoring Plan for the Twin Cities Army Ammunition Plant passes the Consistency Test.

If you have any questions, please contact Tom Barounis of the U.S. EPA at (312) 353-5577 or Dagmar Romano of the MPCA at (612) 296-7776.

Sincerely,

Tom Barounis
Tom Barounis
Remedial Project Manager
U.S. EPA
Region V

Tom Barounis for
Dagmar Romano
Project Manager
MPCA

Appendix A.2

Documentation of FY 94
Annual Monitoring Plan Revisions

Environmental
Engineers

Wenck

Wenck Associates, Inc.
1800 Pioneer Creek Ctr.
Maple Plain, MN 55359

(612) 479-4200
Fax (612) 479-4242

February 4, 1994

Ms. Bridgette Manderfeld
Federal Cartridge Company
Twin Cities Army Ammunition Plant
Building 105
New Brighton, MN 55112-5795

RE: Modifications to the TCAAP FY 94 Annual Monitoring Plan
Wenck File #0003-20

Dear Bridgette:

Attached is the Fiscal Year 94 Annual Monitoring Report (AMP) with the proposed revisions. The changes are based on additional data needs and the installation of additional wells at Site A, changes to new off-post well designations, changes to correspond to the OU3 monitoring plan, and the addition of wells which were missing from the AMP. The changes to the AMP are listed below with a description of the rationale for the proposed changes where necessary.

Site A

- Inorganic sampling was requested by the MPCA to be conducted during Fiscal Year 94. This is shown in brackets on the revised AMP as Categories 2, 3, and 9 in the Quarter 42 sampling event.

- MPCA requested analysis for benzene on a quarterly basis due to detections above the Recommended Allowable Limit observed at 01U139 and 01U140. This change is shown in brackets on the revised AMP as Category 7 during Quarters 42, 43, and 44.

- A number of new wells were installed at Site A as part of the Site A removal action. These wells have been added to the revised AMP with the designation "New Well."

Revised Well Designations

- Well 03L855 was redesignated 03L833.
- Well 04U855 was redesignated 04U833.
- Well 04U844 was redesignated 04U834.
- Well 04J844 was redesignated 04J834.
- Well 04J815 was redesignated 04J835.
- Existing wells 04U844 and 04U855 which were deleted when the new off-post wells of the same name were added, were reinserted into the AMP at their previous monitoring frequency.

Performance Monitoring of OU3

- On behalf of Alliant Techsystems, Inc., CRA compared the AMP with the OU3 monitoring plan and made changes where necessary to insure that the two plans correspond. The majority of these changes involve measuring water levels which were previously measured by FCC. All of these changes are indicated in brackets in the revised AMP. In addition, all water level measurements during the winter event have been eliminated.

Addition of Missing Wells

- Well 01L816 was added to the water level monitoring plan with measurements to be taken during the spring event by FCC.
- Well 201082 was added to the water quality monitoring plan with no sampling.

Addition of Missing Wells (Cont'd)

- Well 03L809 was added to the water quality monitoring plan with sampling to by conducted during the spring and fall events by Alliant.
- Well 324U4 was added to the water level monitoring plan with measurements to by collected during the spring, summer, and fall events by Alliant.

Please note that upon startup of the Site A removal action a more extensive monitoring program will be initiated. The monitoring for the Site A removal action will be provided when parameters and frequencies requested by the Metropolitan Waste Control Commission have been finalized.

Concurrence with this revised AMP should be received from the Army, FCC, and Alliant by February 11 so it can be forwarded to the MPCA for their approval prior to the spring event.

If you should have any questions regarding this information, please contact either Bill Johnsen or me at 612-479-4200.

Sincerely,

WENCK ASSOCIATES, INC.

Lance R. Olson

Lance R. Olson

Enclosure

DEPARTMENT OF THE ARMY
TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MINNESOTA 55112-5700

REPLY TO
ATTENTION OF

March 8, 1994

SMCTC-EV (200-1b)

SUBJECT: Quarter 42 Monitoring

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

U.S. Environmental Protection Agency
Region V
ATTN: Mr. Thomas Barounis
HSRM-6J
77 W. Jackson Blvd.
Chicago, Illinois 60604

Dear Sir:

Reference letter, Federal Cartridge Company, March 3, 1994, SAB.

The enclosed referenced letter, to document the agreed-to change in the 1994 Annual Monitoring Plan, is forwarded for your information.

If you have any questions or need additional information, please contact Mr. Martin R. McCleery, SMCTC-EV, or Mr. Michael R. Fix, SMCTC-CO, (612) 633-2301, ext. 651 or 661.

Sincerely,

Scott F. Lantz
Acting Commander's Representative

Enclosure

Copies Furnished:

Cdr, AMCCOM, ATTN: AMSMC-EQ, Mr. Andrew Poppen (w/encl)
Cdr, U.S. Army Environmental Center, ATTN: SFIM-AEC-IRA (w/encl)
Cdr, U.S. Army Environmental Hygiene Agency,
ATTN: HSHB-ME-SR, Mr. Keith Williams (w/encl)
Alliant Techsystems Inc.,
ATTN: Mr. Dave Gosen/MN29-3553 (w/encl)
Wenck Associates, Inc., ATTN: Mr. Keith Benker (w/encl)
Plt Mgr, FCC-TCAAP, New Brighton, MN (wo/encl)

DEPARTMENT OF THE ARMY
TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MINNESOTA 55112-5700

REPLY TO
ATTENTION OF

March 8, 1994

SMCTC-EV (200-1b)

SUBJECT: Quarter 42 Monitoring

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Minnesota Pollution Control Agency
ATTN: Ms. Dagmar Romano, Project Leader
Superfund Unit, Site Response Section
Division of Solid and Hazardous Waste
520 Lafayette Road
St. Paul, Minnesota 55155

Dear Ms. Romano:

Reference letter, Federal Cartridge Company, March 3, 1994, SAB.

The enclosed referenced letter, to document the agreed-to change in the 1994 Annual Monitoring Plan, is forwarded for your information.

If you have any questions or need additional information, please contact Mr. Martin R. McCleery, SMCTC-EV, or Mr. Michael R. Fix, SMCTC-CO, (612) 633-2301, ext. 651 or 661.

Sincerely,

Scott F. Lantz
Acting Commander's Representative

Enclosure

Copies Furnished:

Cdr, AMCCOM, ATTN: AMSMC-EQ, Mr. Andrew Poppen (w/encl)
Cdr, U.S. Army Environmental Center, ATTN: SFIM-AEC-IRA (w/encl)
Cdr, U.S. Army Environmental Hygiene Agency,
ATTN: HSHB-ME-SR, Mr. Keith Williams (w/encl)
Alliant Techsystems Inc.,
ATTN: Mr. Dave Gosen/MN29-3553 (w/encl)
Wenck Associates, Inc., ATTN: Mr. Keith Benker (w/encl)
Plt Mgr, FCC-TCAAP, New Brighton, MN (wo/encl)

FEDERAL CARTRIDGE COMPANY

Twin Cities Army Ammunition Plant
New Brighton, Minnesota 55112-5795

March 3, 1994

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
Department of the Army
New Brighton, Minnesota 55112

Attention: SMCTC-EV

Dear Sir:

Subject: Quarter 42 Monitoring

Reference: Telephone Conversation Between Barb Gnabasik and Bridgette Manderfeld, February 28, 1994, SAB

This correspondence is intended to document referenced telephone coversation regarding quarterly monitoring. Two wells within the Site F excavation area, 03U112 and 03U121, are scheduled to be sampled during Quarter 42, which begins March 7. Because this area has been partially excavated for the soil washing project, there are numerous trenches, holes and snow covered obstacles which the sampler could encounter while crossing Site F to get to the wells.

Barb Gnabasik at the MPCA was contacted to ask if, due to the current safety hazard, we could postpone sampling these two wells until Quarter 44 (September 1994). Barb agreed to this change and requested written documentation of our conversation.

In accordance with that request, a copy of this letter should be forwarded to MPCA and EPA.

The POC is Bridgette Manderfeld, ext. 460.

Very truly yours,

FEDERAL CARTRIDGE COMPANY
Twin Cities Army Ammunition Plant

George B. Sweesy

George B. Sweesy, Plant Manager

GBS/BM/lo

cc: D. L. Terho
Env. Files (Q42 Corresp.)

disk #1/b

Environmental
Engineers

Wenck

Wenck Associates, Inc.
1800 Pioneer Creek Ctr.
Maple Plain, MN 55359-

(612) 479-4200
Fax (612) 479-4242

March 16, 1994

Ms. Bridgette Manderfeld
Federal Cartridge Company
Twin Cities Army Ammunition Plant
Building 105
New Brighton, MN 55112-5795

RE: Final TCAAP FY 94 Annual Monitoring Plan
Wenck File #0003-20

Dear Bridgette:

Enclosed is the final version of the Fiscal Year 94 Annual Monitoring Plan (AMP) per your comments.

Table 30 did not change from Revision 1 which was prepared in February 1994 and submitted with my letter dated February 4, 1994. Table 32 was revised to reinstate Federal Cartridge Company (FCC) for all groundwater level measurements which were designated to FCC in the original AMP which was included in the FY 92 Annual Monitoring Report. The revised Table 32 is designated Revision 2. The changes from the original AMP are indicated by shading and brackets on both tables.

Per your request, I have also enclosed a list of wells which were scheduled for groundwater level measurements by CRA in Quarter 41 (i.e. the winter event). These wells were not measured in Quarter 41 per an agreement with the MPCA because they will be used for evaluation of the OU3 Recovery System which is not yet in operation.

If you have any comments regarding these revisions, please contact me at 479-4251.

Sincerely,

WENCK ASSOCIATES, INC.

Lance R. Olson
Environmental Engineer

Enclosures

cc: Chuck Cooke, CRA

TCAAP FY 94 AMP

Wells Omitted From Q41 Ground Water Level Monitoring Plan

03U673
03L673
04U673
03U832
03M848
03L832
03L841
03L848
03L854
03L859
03L860
03L861
409546
409557
MW15H
04U832
04U841
04U844
04U845
04U846
04U848
04U851
04U852
04U859
04U860
04U861
04U877
409548
409549
500691
508115
323U4
325U4
326U4
03U Extraction Well

March 16, 1994

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8, Suite 114
St. Paul, Minnesota 55112
(612) 639-0913 Fax:(612) 639-0923

April 19, 1994

Reference No. 5530

Ms. Bridgette Manderfeld
FEDERAL CARTRIDGE COMPANY
Twin Cities Army Ammunition Plant
Building 105
New Brighton, Minnesota 55112

Dear Ms. Manderfeld:

Re: PGRS Fiscal Year 1994 Water Level Measurement of 04U834

As a follow-up to our discussion on Wednesday, April 13, 1994, monitoring well 04U834 will be monitored by the Army/FCC. We understand that Table 32 from the Fiscal Year 1994 Groundwater Level Monitoring Plan will be revised to reflect this revision.

Please do not hesitate to contact me should you have any questions or comments.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Charles F. Cooke, P.E.

Charles F. Cooke, P.E.

CFC/kjs
c.c.: Lance Olson; Wenk
Brian Boevers; CRA
Dan Sola; CRA

Environmental
Engineers

Wenck

Wenck Associates, Inc.
1800 Pioneer Creek Ctr.
P.O. Box 428
Maple Plain, MN 55359-0428

(612) 479-4200
Fax (612) 479-4242
E-mail wenckmp@wenck.com

April 25, 1994

Ms. Bridgette Manderfeld
Federal Cartridge Company
Twin Cities Army Ammunition Plant
Building 105
New Brighton, MN 55112-5795

RE: TCAAP FY 94 Annual Monitoring Plan
Water Level Monitoring for Well 04U834
Wenck File #0003-20

Dear Bridgette:

Attached per your request is the revised page from the FY 94 AMP indicating that groundwater level monitoring at well 04U834 will be conducted by FCC. This revision is in response to discussion between CRA and FCC on April 13, 1994 and CRA's letter dated April 19, 1994.

If you have any questions regarding this information, please contact me at 479-4251.

Sincerely,

WENCK ASSOCIATES, INC.

Lance R. Olson

Lance R. Olson

Enclosure

TABLE 32

FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
OFF-POST	04U673		Refer to SW Boundary Area			
(CONT.)	04U711		Refer to SW Boundary Area			
(Prairie du Chien)	04U802		Refer to SW Boundary Area			
(Formation)	04U806		Refer to SW Boundary Area			
	04U821		---	X	---	X
	04U832 (3)		---	X(A)	X(A)	X(A)
	04U834		---	X	X	X
	04U841 (3)		---	X(A)	X(A)	X(A)
	04U843		---	X	---	---
	04U844		---	X(A)	X(A)	X(A)
	04U845 (3)		---	X(A)	X(A)	X(A)
	04U846 (3)		---	X(A)	X(A)	X(A)
	04U847		---	X	---	X
	04U848 (3)		---	X(A)	X(A)	X(A)
	04U849		---	X	---	---
	04U850		---	X	---	---
	04U851 (3)		---	X(A)	X(A)	X(A)
	04U852 (3)		---	X(A)	X(A)	X(A)
	04U854		---	X	[X(A)]	[X(A)]
	04U855		---	X	---	---
	04U859 (3)		---	X(A)	X(A)	X(A)
	04U860 (3)		---	X(A)	X(A)	X(A)
	04U861 (3)		---	X(A)	X(A)	X(A)
	04U871		---	X	---	---
	04U872		---	X	---	---
	04U875		---	X	---	---
	04U877 (3)		---	X(A)	X(A)	X(A)
	04U879		---	X	---	---
	04U880		---	X	---	---
	04U881		---	X	---	---
	04U882		---	X	---	---
	04U883		---	X	---	---
	200154	UM Golf Course	---	---	---	---
	206688	Cloverpond	Denied Access			
	233533	Roselawn Cem.	---	---	---	---
	234319	Hide & Tallow #1	---	---	---	---
	234547	Hnywell Ridgway	Not Accessible			
	409547 (3)	PCA1U4	---	X	[X(A)]	[X(A)]
	409548 (3)	PCA2U4	---	X(A)	X(A)	X(A)
	409549	PCA3U4	---	X(A)	X(A)	X(A)
	409555	PCA5U4	---	X	---	---
	500691 (3)	414U4	---	X(A)	X(A)	X(A)
	508115 (3)	322U4	Well Abandoned			
	(3)	323U4	---	X(A)	X(A)	X(A)
	(3)	324U4	---	X(A)	X(A)	X(A)
	(3)	325U4	---	X(A)	X(A)	X(A)

DEPARTMENT OF THE ARMY
TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MINNESOTA 55112-5700

REPLY TO
ATTENTION OF

July 26, 1994

SMCTC-EV (200-1b)

SUBJECT: Changes to Quarterly Well Analysis

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Minnesota Pollution Control Agency
ATTN: Ms. Dagmar Romano, Project Leader
Superfund Unit, Site Response Section
Division of Solid and Hazardous Waste
520 Lafayette Road
St. Paul, Minnesota 55155

Dear Ms. Romano:

Reference letter, Federal Cartridge Company, July 11, 1994, SAB.

The enclosed referenced letter, to confirm a discussion between David Knight, Federal Cartridge Company, and Barb Gnabasik, MPCA, is forwarded for your information. The attached tables define the change in analysis for Qtr 44.

If you have any questions or need additional information, please contact Mr. Martin R. McCleery, SMCTC-EV, or Mr. Michael R. Fix, SMCTC-CO, (612) 633-2301, ext. 651 or 661.

Sincerely,

Martin R. McCleery
Acting Commander's Representative

Enclosure

Copies Furnished:

U.S. EPA, Region V, ATTN: Mr. Tom Barounis (w/encl)
Cdr, AMCCOM, ATTN: AMSMC-EQ, Mr. Andrew Poppen (w/encl)
Cdr, U.S. Army Environmental Center, ATTN: SFIM-AEC-IRA, Mr. Pete Rissell (w/encl)
Cdr, U.S. Army Environmental Hygiene Agency,
ATTN: HSHB-ME-SR, Mr. Keith Williams (w/encl)

SMCTC-EV (200-1b)
SUBJECT: Changes to Quarterly Well Analysis

CF (continued):
U.S. Army Corps of Engineers, Omaha District,
ATTN: CEMRO-ED-EC, Mr. Mark Ryan (w/encl)
Alliant Techsystems Inc., ATTN: Mr. Dave Gosen/MN29-3553 (w/encl)
Montgomery Watson, Wayzata Office, ATTN: Mr. Jeff LeBlanc (w/encl)
Wenck Associates, Inc., ATTN: Mr. Keith Benker (w/encl)
Plt Mgr, FCC-TCAAP, New Brighton, MN (wo/encl)

FEDERAL CARTRIDGE COMPANY

Twin Cities Army Ammunition Plant

New Brighton, Minnesota 55112-5795

July 11, 1994

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
Department of the Army
New Brighton, Minnesota 55112

Attention: SMCTC-EV

Dear Sir:

Subject: Changes to Quarterly Well Analysis

On 7/6/94, FCC Engineer, David Knight, spoke on the phone with Barb Gnabasik of the MPCA. It was discovered that some of the wells at Site "A" did not receive the analysis as required by the FY93 Annual Monitoring Report (AMR) - Final for Quarter 42 (Q42) and Quarter 43 (Q43). The Sampling Plan for FY94 was originally prepared from the FY 1993 Annual Monitoring Report - Draft. A change order was prepared to incorporate additional analysis as defined in the Revised FY94 Groundwater Quality Monitoring Plan, dated February 1994. This revised Plan did not capture all of the analysis that the MPCA required per Table IX-2 "Site A Removal Action Groundwater Quality Monitoring" of the 1993 AMR - Final. The Final Draft of Table IX-2 was prepared on June 10, 1994.

The revised FY94 Groundwater Quality Monitoring Plan for Qtr 42 requested the Analysis of Category 2 metals from all of the Site A wells. During Qtr 42, the wells were sampled for concentrations of the specific metals historically sampled from Site A. This historical list did not cover the entire list of metals of concern at Site A, as defined in Table 4-3 of the OU2 Feasibility Study.

Per discussion with Barb Gnabasik, the analysis not captured by the analysis completed in Qtr 42 and Qtr 43 shall be completed in Qtr 44, starting on 9/6/94. This additional analysis in Qtr 44 shall include metals (Sb, Cu, Mn, Se, Ag, Tl, Mo) not sampled during Qtr 42, and VOC's (Category 1) not sampled for in Qtr 43.

The attached tables define the changes in analysis for Qtr 44.

The POC is David Knight, ext. 680.

Very truly yours,

FEDERAL CARTRIDGE COMPANY
Twin Cities Army Ammunition Plant

George B. Sweesy, Plant Manager

GBS/DK/lo

Attachments

cc: D. L. Terho, w/Attach.
B. Manderfeld, w/Attach.
D. Fuller, w/Attach.
Env. Files, w/Attach.

Site A - FY94 - Groundwater Quality Monitoring Plan

Well ID#	Q42 3/7/94	4/4/94	Q43 5/2/94	6/6/94	7/11/94	Q44 8/1/94	9/5/94
01U038	[2,3,7,9,#]			[7]			[7]
01U039	[1,2,3,7,9,#]			[7]			[7]
01U040	[2,3,7,9,#]			[7]			[7]
01U041	[2,3,7,9,#]			[7]			[7]
01U063	[2,3,7,9,#]			[7]			[7]
01U067	[1,2,3,7,9,#]			[7]			[7]
01U102	[1,2,3,7,9,#]			[1,7]			[1,7]
01U103	[2,3,7,9,#]			[7]			[7]
01U104	[2,3,7,9,#]			[7]			[7]
01U105	[1,2,3,7,9,#]			[7]			[7]
01U106	[1,2,3,7,9,#]			[7]			[7]
01U107	[2,3,7,9,#]			[7]			[7]
01U108	[1,2,3,7,9,#]			[7]			[7]
01U109	[2,3,7,9,#]			[7]			[7]
01U110	[2,3,7,9,#]			[7]			[7]
01U115	[1,2,3,7,9,#]			[1,7]			[1,7]
01U116	[1,2,3,7,9,#]			[1,7]			[1,7]
01U117	[1,2,3,7,9,#]			[1,7]			[1,7]
01U118	[2,3,7,9,#]			[7]			[7]
01U119	[1,2,3,7,9,#]			[7]			[7]
01U120	[1,2,3,7,9,#]			[7]			[7]
01U125	[1,2,3,7,9,#]			[1,7]			[1,7]
01U126	[1,2,3,7,9,#]			[7]			[7]
01U127	[1,2,3,7,9,#]			[7]			[7]
01U133	[2,3,7,9,#]			[7]			[7]
01U135	[1,2,3,7,9,#]			[7]			[7]
01U136	[1,2,3,7,9,#]			[7]			[7]
01U137	[1,2,3,7,9,#]			[7]			[7]
01U138	[1,2,3,7,9,#]			[1,7]			[1,7]
01U139	[1,2,3,7,9,#]			[1,7]			[1,7]
01U140	[1,2,3,7,9,#]			[1,7]			[1,7]
01U141	[1,2,3,7,9,#]			[7]			[7]
01U157	[2,3,7,9,#]			[1,7]			[1,7]
01U158	[2,3,7,9,#]			[1,7]			[1,7]
01U350	[1,2,3,4,7,9,#]	[1,*]	[1,*]	[1,*,7]			[1,7]
01U351	[2,3,7,9,#]		[1,2,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U352	[2,3,7,9,#]		[1,2,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U353	[2,3,7,9,#]		[1,2,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U354	[2,3,7,9,#]		[1,2,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U355	[2,3,7,9,#]		[1,2,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U356	[2,3,7,9,#]		[1,2,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U357	[2,3,7,9,#]		[1,2,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U358	[2,3,7,9,#]		[1,2,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U901	[1,2,3,7,9,#]		[1]	[1,7]	[1]	[1]	[1,7]
01U902	[1,2,3,7,9,#]		[1]	[1,7]	[1]	[1]	[1,7]
01U903	[2,3,7,9,#]		[1]	[1,7]	[1]	[1]	[1,7]
01U904	[2,3,7,9,#]		[1]	[1,7]	[1]	[1]	[1,7]
03U023	[1]						

* = As, Ba, Cd, Cr, Pb, Ni
# = Co, Va, Mo
[2] = Category 2 metals - Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl

Site A - FY94 - Groundwater Quality Monitoring Plan - Actual

Well ID#	Q42	Q43			Q44		
	3/7/94	4/4/94	5/2/94	6/6/94	7/11/94	8/1/94	9/5/94
01U038	[*,3,7,9,#]			[7]			[@,7]
01U039	[1,*,3,7,9,#]			[7]			[@,7]
01U040	[*,3,7,9,#]			[7]			[@,7]
01U041	[*,3,7,9,#]			[7]			[@,7]
01U063	[*,3,7,9,#]			[7]			[@,7]
01U067	[*,3,7,9,#]			[7]			[1,@,7]
01U102	[1,*,3,7,9,#]			[7]			[1,@,7]
01U103	[*,3,7,9,#]			[7]			[@,7]
01U104	[*,3,7,9,#]			[7]			[@,7]
01U105	[1,*,3,7,9,#]			[7]			[@,7]
01U106	[1,*,3,7,9,#]			[7]			[@,7]
01U107	[*,3,7,9,#]			[7]			[@,7]
01U108	[1,*,3,7,9,#]			[7]			[@,7]
01U109	[*,3,7,9,#]			[7]			[@,7]
01U110	[*,3,7,9,#]			[7]			[@,7]
01U115	[1,*,3,7,9,#]			[7]			[1,@,7]
01U116	[1,*,3,7,9,#]			[7]			[1,@,7]
01U117	[1,*,3,7,9,#]			[7]			[1,@,7]
01U118	[*,3,7,9,#]			[7]			[@,7]
01U119	[1,*,3,7,9,#]			[7]			[@,7]
01U120	[1,*,3,7,9,#]			[7]			[@,7]
01U125	[1,*,3,7,9,#]			[7]			[1,@,7]
01U126	[1,*,3,7,9,#]			[7]			[@,7]
01U127	[1,*,3,7,9,#]			[7]			[@,7]
01U133	[*,3,7,9,#]			[7]			[@,7]
01U135	[1,*,3,7,9,#]			[7]			[@,7]
01U136	[1,*,3,7,9,#]			[7]			[@,7]
01U137	[1,*,3,7,9,#]			[7]			[@,7]
01U138	[1,*,3,7,9,#]			[7]			[1,@,7]
01U139	[1,*,3,7,9,#]			[7]			[1,@,7]
01U140	[1,*,3,7,9,#]			[7]			[1,@,7]
01U141	[1,*,3,7,9,#]			[7]			[@,7]
01U157	[*,3,7,9,#]			[7]			[1,@,7]
01U158	[*,3,7,9,#]			[7]			[1,@,7]
01U350	[1,*,3,4,7,9,#]	[1,*]	[1,*]	[1,*,7]			[1,@,7]
01U351	[*,3,7,9,#]		[1,*,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U352	[*,3,7,9,#]		[1,*,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U353	[*,3,7,9,#]		[1,*,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U354	[*,3,7,9,#]		[1,*,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U355	[*,3,7,9,#]		[1,*,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U356	[*,3,7,9,#]		[1,*,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U357	[*,3,7,9,#]		[1,*,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U358	[*,3,7,9,#]		[1,*,3,9]	[1,2,3,7,9]	[1,2,3,9]	[1,2,3,9]	[1,2,3,7,9]
01U901	[1,*,3,7,9,#]			[1,7]	[1]	[1]	[1,@,7]
01U902	[1,*,3,7,9,#]			[1,7]	[1]	[1]	[1,@,7]
01U903	[*,3,7,9,#]		[1]	[1,7]	[1]	[1]	[1,@,7]
01U904	[*,3,7,9,#]		[1]	[1,7]	[1]	[1]	[1,@,7]
03U023	[1]						

* = As, Ba, Cd, Cr, Pb, Ni
# = Co, Va
@ = Sb, Cu, Mn, Se, Ag, Tl, Mo
[2] = Category 2 metals - Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl

Appendix A.3

Documentation of Missing Data Points

January 7, 1994

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
Department of the Army
New Brighton, Minnesota 55112

Attention: SMCTC-EV

Dear Sir:

Subject: Site A Monthly Sampling

As part of the FY 1994 Annual Monitoring Plan, groundwater samples are to be collected from three monitor wells at Site A on a monthly basis. Due to an oversight, Site A groundwater samples were not collected during the month of November, 1993. The error was discovered January 3. On January 6, FCC informed M. McCleery of the error. M. McCleery requested FCC do three things: 1) inform MPCA of oversight; 2) obtain directions for corrective actions; and 3) document conversation.

On January 6, FCC contacted Barb Gnabasik, MPCA, and informed her of oversight. When corrective actions were discussed, Barb stated that none were required. She considered this a minor error and stated the current monthly sampling will change upon operation of the Site A Removal Action. However, she did request documentation of our conversation for the purpose of informing future MPCA personnel of this action.

Please provide copies of this letter to MPCA and EPA.

The POC is David Fuller, ext. 240.

Very truly yours,

FEDERAL CARTRIDGE COMPANY
Twin Cities Army Ammunition Plant

George B. Sweesy

George B. Sweesy, Plant Manager

GBS/DF/lo

cc: D. L. Terho
B. Manderfeld
Env. Files (FY94 AMR)

disk #1/b

12-2-94

WELL MONITORING

QUARTER 42

See attached sheet

QUARTER 43

01L816 missed water level because well had a welded-on cap. No access.

QUARTER 44

01U139, 01U140 not analyzed for Cat 1. Sampler error on COC.

May 16, 1994

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
Department of the Army
New Brighton, Minnesota 55112

Attention: SMCTC-EV

Dear Sir:

Subject: Quarter 42 Monitoring

Sampling for the second quarter of FY94 (Quarter 42) was completed on March 25, 1994.

Attached are copies of the groundwater level measurements, sampling sequence sheets, analytical results, chain of custody forms, and field logs/notes. These should be forwarded to the MPCA and EPA per the Federal Facility Agreement.

All wells included in the FY94 Monitoring Plan were sampled and/or had water levels measured with the following exceptions.

Water Quality

Well 03U112	Site F remediation (Q44)
Well 03U121	Site F remediation (Q44)
Well 206787	Not in operation (Q43)
New Brighton #12	Not in operation (Q43)
Well 04U844	Has been abandoned
Well 01U103	Needs Tl (Thallium) Analysis (Q43)
Well 01U133	Needs Tl (Thallium) Analysis (Q43)
Well 234352	Not accessible (Q43)
Well 200812	Not accessible (Q43)
Well 512761	Not accessible (Q43)
New Brighton #7	Not accessible - To be abandoned

Water Levels

New Brighton #12	Not in operation (Q43)
Well 04U844	Has been abandoned
Well 01U053	Dry; appears to be obstructed (Q43 or 44)
Well 01L813	Welded-on cap
Well 03L813	Couldn't unlock
Well 01L816	Overlooked (Q43)
Well 200076	Not accessible, Can't get WL
New Brighton #3,5,6 8,9,10,&11	Not accessible - Can't get WL
New Brighton #7	Not accessible - To be abandoned

(Q43) - Shall be completed in Quarter 43 Monitoring Plan
(Q44) - Shall be completed in Quarter 44 Monitoring Plan

The Site F monitor wells (03U112 and 03U121) shall be sampled during Quarter 44 (September 1994) after the remediation field work is completed.

FCC shall attempt to sample New Brighton #12 and well numbers 206787, 234352, 200812, and 512761 during Quarter 43.

FCC plans to take a water level reading at New Brighton Well #12 and well #200076 during Quarter 43. FCC is investigating the possible obstruction in well #01U053 and shall obtain a water level in either Quarter 43 or 44.

The laboratory data packages for Quarter 42 can be reviewed at Pace.

Additional quality assurance data will be forwarded as it is received.

The POC is David Knight, ext. 680.

Very truly yours,

FEDERAL CARTRIDGE COMPANY
Twin Cities Army Ammunition Plant

George B. Sweesy

George B. Sweesy, Plant Manager

GBS/BM/lo

Attachments

cc: D. L. Terho, w/o Attach.
B. Manderfeld, w/o Attach.
Env. Files, w/Attach. (Q42 Corresp.)

disk #2/b

12-18-94

Missing GroundWater Levels

03U350	Nov. '93 See letter dated Jan 7, '94 to COR
	Jan, May, July, & Aug.'94 See monitoring plan for Site A in FY93. Plan in FY93 supercedes, Plan in FY92.
519291 (1291501MW)	Q42 & Q44 Resubmitted Data to PRI 12-14-94
03U803	Q42 Allient Tech should have sampled.
512761 (Gross Golf #2)	Q42 Not accesible.
All NB Wells	Q44 Covered in letters I hope ???
Site A Wells	Week of July 25-29 '94 Resubmitted Data to PRI 12-14-94.

12-16-94

Missing Chemical Data Explainations:

01U350	Nov.'93 Catagory 1 & As,Ba,Cd,Cr,Pb,Ni See letter dated Jan 7,'94 to COR.
	May '94 As,Ba,Cd,Cr,Pb,Ni Oversight by STS, didn't transfer data to chain of custody from sampling plan.
	July '94 Category 1 & As,Ba,Cd,Cr,Pb,Ni Aug. '94 Category 1 & As,Ba,Cd,Cr,Pb,Ni Sep. '94 Category 1 & As,Ba,Cd,Cr,Pb,Ni Per verbal agreement with the MPCA Well 01U350 was not sampled for these three months.
01U902	Nov. '93 Category 1 See letter dated Jan. 7, '94 to COR.
	May '94 Category 1 Oversight by STS/FCC sample not taken
03U083	Mar. '94 Category 7 Oversight by STS, didn't transfer data to chain of custody from sampling plan.
NB#10 (161432)	Mar. '94 Category 1 See data under Well name 161432.
04U844	Mar. '94 Sampler error STS misidentified & not located.

April 11, 1994

Mr. David Knight
Federal Cartridge Company
Twin Cities Army Ammunition Plant
New Brighton, MN 55112-5795

STS Project 92797-TF

Re: Progress Report and Field Observations for Quarter 42 Groundwater Sampling

Dear Mr. Knight:

STS Consultants, Ltd. (STS) is pleased to continue service to Federal Cartridge Company for environmental monitoring at the TCAAP. STS has completed the groundwater sampling requested by you for Quarter 42 monitoring. We hope that the copies of chain of custody forms and field sampling logs, etc. will assist you in preparation of the annual report to the appropriate authorities, and look forward to providing field sampling services during Quarters 43 and 44.

In the course of Quarter 42 monitoring, some observations were made of which you should be aware. It is the purpose of this letter to document the observations made, for your files.

Scheduled Wells Not Sampled for Quarter 42

Some wells scheduled for sampling during Quarter 42 were not sampled due to difficulty in well access. As you know, wells 03U121 and 03U112 were not sampled due to the remediation activities on Site F. We understand that access to the wells will be available in the fall for Quarter 44. In addition, two off-post production wells were not available for sampling due to the wells not being on-line. New Brighton well #12 was unavailable because the well and its piping were being painted during Quarter 42. Minnesota unique well number 206787 was unavailable for sampling during Quarter 42. The well is located at Mounds View High School and is used for irrigation water on the athletic fields. The Mounds View High School well and the New Brighton well #12 will likely be available for sampling in the summer for Quarter 43.

USATHAMA well #04U844 was not sampled during Quarter 42 as scheduled because the well has been abandoned and cut off at the surface of the protective slab. The abandoned well is located in a back lot area for Midwest Asphalt Company located on Old Highway 8 south of Minnesota Highway 96.

STS Consultants Ltd.
Consulting Engineers

3650 Annapolis Lane
Suite 120
Minneapolis, Minnesota 55447
612.559.1900/Fax 612.559.4507

Well Labelling

A number of wells were found that did not have the correct USATHAMA well identification painted on them. It is not the purpose of this letter to list all of the wells observed to have erroneous identification numbers; but to make note of the fact. The accuracy of well identification numbers appeared better than in the past, however discrepancies still occur. If you wish, we would be glad to assist you in identifying and correcting erroneously identified wells.

Well Access

In most cases well access has not changed in the recent past. Access to the wells located in the Long Lake regional park area have been enhanced by the development of paved park trails. However, the wells located on the southwest end of the old Herbst landfill site have been made relatively inaccessible. Quarter 42 groundwater level monitoring required water level measurements taken from well 01L813 and 03L813 which are located at the site. STS attempted to get water level measurements on March 18, 1994 and found caps welded to the top of most of the wells at the site. Well 03L813 did not have a welded on cap but could not be unlocked. Paul Trapp of the Minnesota Pollution Control Agency indicated that the current owner, Bel Air Construction, is engaged in regrading and closure of the old landfill site. He suggested contacting the Solid Waste Section of the MPCA for further information about the site closure work plan for the Herbst area and the intended fate of the wells there.

Well Security

As the past vandalism of the Highview well has illustrated, well security is a major concern for the TCAAP site area. During Quarter 42, STS noticed several on-post locks were missing or unlocked. Where locks were missing, STS provided a lock keyed to number 2106 and made every attempt to lock unlocked wells. Some of the locks remaining on the older wells may be corroding to the point where lock operation is difficult. We suggest inclusion of lock replacement in the next year's monitoring bid, and use of a number 3576 or number 2106 lock on all site wells.

In addition to well security, a number of on-post wells were found to be missing the inner protective cap. In some cases, such as wells 03L091, a previous visitor to the well left the protective cap on one of the well's guard posts. FCC may wish to consider inclusion of protector cap installation on those wells requiring them. Perhaps cap installation could be included as a bid item for site monitoring in 1995.

Well 01U053

STS visited well 01U053 on March 17, 1994 to take the water level measurement. The well had no standing water in it, and its total depth below top of riser pipe was 9.11 feet. On April 27, 1990, STS visited the well for water level measurement and found that the well was missing a lock and its water level was 10.08 feet. Because the total installed depth of the well is on the order of 20 feet, the sounded bottom of the well in Quarter 42 indicates that the well has either been filled with sediment or other material, has a bailer lodged within it, or has been damaged in some way. At your request, STS can investigate the matter further.

We are pleased to have worked with you on this project. If you have any other questions concerning Quarter 42 groundwater sampling observations, please contact us at 559-1900 at your earliest convenience.

Sincerely,

STS CONSULTANTS, LTD.

James H. Overtoom, P.E.
Principal Engineer

Steven J. Carlson
Senior Environmental Technician

SJC/dn
cc: Bridgette Manderfeld, FCC

DEPARTMENT OF THE ARMY
TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MINNESOTA 55112-5700

REPLY TO
ATTENTION OF

January 11, 1995

SMCTC-EV (200-1b)

SUBJECT: Deviations from TGRS, PGRS, Site I and Site K Sampling Program - 1994 Fiscal Year

Plant Manager
Federal Cartridge Company
Twin Cities Army Ammunition Plant
New Brighton, Minnesota 55112-5795

Dear Sir:

Reference letter, Conestoga-Rovers & Associates, January 5, 1995, SAB.

The enclosed referenced letter is forwarded for your information and use in preparation of the 1994 Annual Monitoring Report.

If you have any questions or need additional information, please contact Mr. Martin R. McCleery, SMCTC-EV, (612) 633-2301, ext. 651.

Sincerely,

Michael R. Fix
Contracting Officer's Representative

Enclosure

Copy Furnished:

Wenck Associates, ATTN: Mr. Keith Benker (w/encl)

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8, Suite 114
St. Paul, Minnesota 55112
(612) 639-0913 Fax: (612) 639-0923

January 5, 1995

Reference No. 5530-40

Mr. Martin McCleery
TWIN CITIES ARMY AMMUNITION PLANT
Attn: SMCTC-EV
Building 105
New Brighton, Minnesota 55112

Mr. David Gosen
MN29-3553
ALLIANT TECHSYSTEMS
Building 103
New Brighton, Minnesota 55112

Dear Mr. McCleery and Mr. Gosen:

Re: Deviations from TGRS, PGRS, Site I and Site K
Sampling Programs - 1994 Fiscal Year

Water quality sampling, water level measurement and documentation for the TGRS, Site I and Site K for fiscal year 1994 were performed in accordance with the approved 1994 Annual Monitoring Plan and the "Installation Restoration Program" Quality Assurance Project Plan for the Remedial Investigation/Feasibility Study at the Twin Cities Army Ammunition Plant", USATHAMA, June 1988.

PGRS water quality samples were collected and water level measurements were recorded according to the revised monitoring plan presented in a memo dated April 12, 1994. PGRS monitoring began on April 18, 1994. However, full scale operation of the PGRS did not commence until May 3, 1994.

All required water quality samples were collected and water level measurements were recorded with the following comments and exceptions.

TGRS

March Monitoring

- Staff Gauge No. 3 appears to have heaved. A water level was not recorded.
- No groundwater samples from the TGRS Site were split with the MPCA.

September Monitoring

- Staff Gauge No. 3 was no longer visible. A water level was not recorded.
- No groundwater samples from the TGRS Site were split with the MPCA.

Site I (Building 502)

March Monitoring

- Monitoring wells 01U636, 01U640, I02MW, I03MW, I04MW and I05MW water level measurements were attempted, but the wells were dry. Groundwater samples could not be collected at these wells.

- Monitoring well 01U639 was bailed dry three times during purging. The well recovered sufficiently to allow collection of a groundwater sample.

- Monitoring well I01MW was bailed dry while purging the first 1.7 equivalent volumes and did not recover sufficiently to allow further bailing. The well recovered only to the extent that it was possible to collect a sample for laboratory analysis. There was insufficient groundwater available to collect a sample for measurement of pH, specific conductance or temperature.

September Monitoring

- Monitoring wells 01U639, I01MW, I02MW, I03MW, I04MW and I05MW water level measurements were attempted, but the wells were dry.

Site K (Building 103)

February Monitoring

- The Site K manhole discharge was not measured. Measurement of the discharge requires the removal of the sanitary sewer manhole grate. The grate was frozen to the manhole frame and could not be removed.

March Monitoring

- Monitoring wells 01U612 and 01U624(A) water level measurements were attempted, but the wells were dry.

- Monitoring wells 01U622 and 01U623 water levels were not measured because the wells were inaccessible. Access to well 01U622 was obstructed by metal shelving. The protective cover for well 01U623 was sealed shut with a floor coating material.

- It was not possible to measure the treatment system discharge flow rate at the manhole grate because the grate could not be removed. The grate was frozen to the manhole frame.

- Samples were split with the MPCA on the following monitoring wells:

Well Name	Sample ID Number
K01MW	W-940301-DN-08
K02MW	W-940301-DN-10
K04MW	W-940301-DN-09
01U128	W-940301-DN-12
01U604	W-940301-DN-13
01U611	W-940301-DN-14
Treatment System Effluent	W-940301-DN-02

- Monitoring well 01U128 analytical parameters for the groundwater sample were revised to include benzene, toluene, ethyl benzene and xylenes (BTEX).

July Monitoring

- The flow rate based on flow meter measurements was not taken as the flow meter was inoperative.

September Monitoring

- Piezometer 01U624 - BP1-4 water level measurement was attempted, but the well was dry. A water level measurement was not recorded.

- Monitoring wells 01U622 and 01U623 water levels were not measured because the wells were inaccessible. Access to well 01U622 was obstructed by metal shelving. The protective cover for well 01U623 was sealed shut with a floor coating material.

PGRS

April and May Monitoring

- During the start-up of the PGRS system, the water level monitoring schedule was modified due to the amount of system down time. The PGRS was scheduled to start up on April 18, 1994, however, actual full scale operation occurred on May 3, 1994. Fewer water levels were taken during the week of April 18, 1994 and more frequently during the week of April 25, 1994 as the operation of the system became more regular. During the week of May 3, 1994, the water level monitoring was conducted as scheduled.

June Monitoring

- Well 04U852 was found to be plugged with landscaping wood chips approximately four feet above the water table. No water level measurements were taken. By the July water level round, the wood chips were removed.

June and September Quarterly Monitoring

- During the June and September quarterly sampling, two samples were collected from two monitoring wells to evaluate sample collection methods from the high volume pumps.

  Monitoring well 04U861 and 04U864 were selected for sampling in June and September, respectively. A VOC sample was first collected from the pump after five well volumes were removed. The pump is connected to a precleaned 1-inch diameter rigid PVC discharge pipe fitted with a sample port. The pump was removed and a second sample was collected using a bottom filling bailer as required in the TCAAP QAPP.

  Comparison of the analytical results reveal that samples collected from the pump showed slightly higher VOCs than samples collected from the bailer. Table 1 summarizes the results.

  Although the comparison between the pump and bailer sampling is minor, the results show that pump sampling is consistently more representative than bailer sampling. It is intended to recommend that PGRS sampling be modified to allow for sampling from the pump, rather than the bailer. This method of

January 5, 1994 Reference No. 5530-40

sampling will provide for maximum sample representation and also reduce sample time and cost.

If you have any questions, please do not hesitate to contact us.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Charles F. Cooke, P.E.

KK/kjs
Enc.
c.c.: Brian Boevers; CRA

TABLE 1

SAMPLE COLLECTION METHOD COMPARISON

	June Sampling (04U861)		*September Sampling (04U864)*	
Analyte (µg/L)	*Bailer*	*Pump*	*Bailer*	*Pump*
1,1 DCA	0.793	0.846	ND	ND
1,2 DCA	ND	ND	0.780	0.836
1,1,1 TCE	1.95	2.12	ND	ND
TRCLE	9.03	9.67	1.67	1.70
1,1 DCE	0.647	0.724	ND	ND
1,2 DCE	0.299	0.352	ND	ND

1-11-95

Todd,

The Water Level for Well 04U834 was inadvertently missed by CRA and/or FCC because of confusion as to which revision in the Quarterly Sampling Plan was being used for the Q44 sampling event.

Well NB#12/110485 was missed in Q42, and not sampled in Q43 because it was being painted at the time.

Mike Fairbanks

APPENDIX B

Appendix B

TCAAP Well Index

(Refer to Plan Sheets 3 and 4 for on-post and off-post well locations.)

Appendix B.1

Sorted by Minnesota Unique Number

Minnesota Unique #		IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
107405			ROEBKE					
114410		03U521		OFF	MON		F-7	
122210			ST. PAUL PORT AUTH. #3	OFF	UN			
127537				OFF	DOM			
134318			LORENZ W SEUTTER	OFF	DOM			
139035			WATERGATE MARINA	OFF	P.S.			
151568			ARDEN MANOR MOBILE HOME	OFF	P.S.			
191942			118PDC	OFF	MON			R-24
194701		01U620	OW120U1	ON	MON		F-3	
194702		01U621	PW121U1	ON	MON		F-3	
194703		01U622	OW122U1	ON	MON		F-3	
194704		01U623	OW123U1	ON	MON		F-3	
194716		01U634	OW504U1	ON	MON		J-5	
194717		01U638	OW508U1					
194718		01U639	OW509U1	ON	MON		K-6	
194719		01U640	OW510U1				K-6	
194720		01U631	OW501U1	ON	MON			
194721		01U632	OW502U1					
194722		01U635	OW505U1	ON	MON			
194723		01U636	OW506U1				K-5	
194724		01U642	OW512U1				K-7	
194725	*	01U612	OW112U1	ON	MON	194758	E-3	
194726	*	01U613		ON	MON	194759	E-3	
194727	*	01U615	OW115U1	ON	MON	194760	F-3	
194728	*	01U616	OW116U1	ON	MON	194761	F-3	
194729	*	01U617	OW117U1	ON	MON	194770	F-3	
194730	*	01U618	OW118U1	ON	MON	194771	F-3	
194772		01U619	PW119U1	ON	MON		F-3	
200070			RUAN TRANSPORT	OFF	COM			
200071			PRESTRESSED CONCRETE	OFF	UN			
200072			WITTE TRANSPORTATION	OFF	IND			
200073			WILSON TRANSFER & STORAGE	OFF	IND			
200074			ASBESTOS PROD	OFF	IND			
200075			PHILLIPS PETROLEUM	OFF	IND			
200076			OLD DUTCH FOODS INC	OFF	IND			Z-23
200077			JOHN CONLIN	OFF	DOM			
200078			WILLIAM CLASS	OFF	DOM			
200079			LAWRENCE SCHOENING	OFF	DOM			
200080			CARL A OSTROM & SON	OFF	DOM			
200081			A. O. LIEBIG	OFF	DOM			
200082				OFF	DOM			
200148			PAPER CALMERSON	OFF	IND			BB-23
200154			U OF M GOLF COURSE	OFF	IRR			CC-25
200167			KOPPERS COKE #1	OFF	IND			
200171			PLATING INC	OFF	IND			
200197			SNOW FLAKE DAIRY	OFF	COM			
200264			1620 CENTRAL	OFF	IND			
200384			METALLURGICAL INC. WELL #1	OFF	IND			
200524			ST. ANTHONY #1	OFF	MUNI			V-21
200525			PLETSCHER					
200531			NAZARETH					
200599			CEDAR AVE. TRIANGLE	OFF	P.S.			
200602			ATKINSON MILL CO.	OFF	IND			
200629			GENERAL MILLS	OFF	IND			
200803			ST. ANTHONY #4	OFF	P.S.			X-22
200804			ST. ANTHONY #3	OFF	MUNI			X-22
200812			GROSS GOLF COURSE	OFF	COM			AA-22
200814			AMERICAN LINEN	OFF	IND			CC-22
201074			GLEASSON MORTUARY	OFF	COM			

Minnesota Unique #		IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
107405			ROEBKE					
114410		03U521		OFF	MON		F-7	
122210			ST. PAUL PORT AUTH. #3	OFF	UN			
127537				OFF	DOM			
134318			LORENZ W SEUTTER	OFF	DOM			
139035			WATERGATE MARINA	OFF	P.S.			
151568			ARDEN MANOR MOBILE HOME	OFF	P.S.			
191942			118PDC	OFF	MON			R-24
194701		01U620	OW120U1	ON	MON		F-3	
194702		01U621	PW121U1	ON	MON		F-3	
194703		01U622	OW122U1	ON	MON		F-3	
194704		01U623	OW123U1	ON	MON		F-3	
194716		01U634	OW504U1	ON	MON		J-5	
194717		01U638	OW508U1					
194718		01U639	OW509U1	ON	MON		K-6	
194719		01U640	OW510U1				K-6	
194720		01U631	OW501U1	ON	MON			
194721		01U632	OW502U1					
194722		01U635	OW505U1	ON	MON			
194723		01U636	OW506U1				K-5	
194724		01U642	OW512U1				K-7	
194725	*	01U612	OW112U1	ON	MON	194758	E-3	
194726	*	01U613		ON	MON	194759	E-3	
194727	*	01U615	OW115U1	ON	MON	194760	F-3	
194728	*	01U616	OW116U1	ON	MON	194761	F-3	
194729	*	01U617	OW117U1	ON	MON	194770	F-3	
194730	*	01U618	OW118U1	ON	MON	194771	F-3	
194772		01U619	PW119U1	ON	MON		F-3	
200070			RUAN TRANSPORT	OFF	COM			
200071			PRESTRESSED CONCRETE	OFF	UN			
200072			WITTE TRANSPORTATION	OFF	IND			
200073			WILSON TRANSFER & STORAGE	OFF	IND			
200074			ASBESTOS PROD	OFF	IND			
200075			PHILLIPS PETROLEUM	OFF	IND			
200076			OLD DUTCH FOODS INC	OFF	IND			Z-23
200077			JOHN CONLIN	OFF	DOM			
200078			WILLIAM CLASS	OFF	DOM			
200079			LAWRENCE SCHOENING	OFF	DOM			
200080			CARL A OSTROM & SON	OFF	DOM			
200081			A. O. LIEBIG	OFF	DOM			
200082				OFF	DOM			
200148			PAPER CALMERSON	OFF	IND			BB-23
200154			U OF M GOLF COURSE	OFF	IRR			CC-25
200167			KOPPERS COKE #1	OFF	IND			
200171			PLATING INC	OFF	IND			
200197			SNOW FLAKE DAIRY	OFF	COM			
200264			1620 CENTRAL	OFF	IND			
200384			METALLURGICAL INC. WELL #1	OFF	IND			
200524			ST. ANTHONY #1	OFF	MUNI			V-21
200525			PLETSCHER					
200531			NAZARETH					
200599			CEDAR AVE. TRIANGLE	OFF	P.S.			
200602			ATKINSON MILL CO.	OFF	IND			
200629			GENERAL MILLS	OFF	IND			
200803			ST. ANTHONY #4	OFF	P.S.			X-22
200804			ST. ANTHONY #3	OFF	MUNI			X-22
200812			GROSS GOLF COURSE	OFF	COM			AA-22
200814			AMERICAN LINEN	OFF	IND			CC-22
201074			GLEASSON MORTUARY	OFF	COM			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
201082		NORTHWESTERN HOSPITAL	OFF	P.S.			
206669		FRIDLEY #8					
206672		FRIDLEY #9					
206673		FRIDLEY #6					
206688		CLOVER POND WELL	OFF	DOM			T-20
206689		JAMES K. O'NEIL					
206693		FERNELIUS					
206702		MINN E.S.					
206720		MOUNDSVIEW					
206722		M0UNDSVIEW #5					
206724	PJ#504	TWIN CITIES ARSENAL	OFF	ABAND		E-2	
206725		ARSENAL SAND & GRAVEL CO.	ON	IND			
206750		SHORE #4					
206753	PJ#506	TWIN CITIES ARSENAL NO. 6	ON	ABAND		H-5	
206754	PJ#501	TWIN CITIES ARSENAL	ON	P.S.		F-4	
206755	PJ#507	TWIN CITIES ARSENAL NO. 7	ON	ABAND		H-5	
206756	PJ#502	TWIN CITIES ARSENAL NO. 2	ON	IND		G-4	
206758	PJ#503	TWIN CITIES ARSENAL NO. 3	ON	IND		H-4	
206759	PJ#508	TWIN CITIES ARSENAL NO. 8	ON	ABAND		I-6	
206760	03M509	TWIN CITIES ARSENAL NO.9	ON	DOM		J-6	
206760	PJ#509	TWIN CITIES ARSENAL NO.9	ON	DOM			
206787		MOUNDSVIEW H.S.	OFF	P.S.			S-25
206791		NEW BRIGHTON #7	OFF	MUNI			U-23
206793		NEW BRIGHTON #3	OFF	MUNI			S-21
206796		NEW BRIGHTON #5					
206797		NEW BRIGHTON #6	OFF	MUNI			T-21
221855	03L523	ARSENAL GRAVEL PIT	ON	ABAND 8/92		D-8	
223844		KURTH MALTING CO EAST WL	OFF	IND			
223992		BOOM ISLAND	OFF	IND			
225886		FRANKLIN STEEL SQUARE	OFF	P.S.			
225905		ST PAUL TERM. WAREHOUSE	OFF	IND			
225906		ST PAUL TERM. WAREHOUSE	OFF	IND			
231741		LABELLE					
231742	04U510	GRENADE PLANT PROOF RANGES	ON	IND		C-12	
231845		MNDOT CIVIL DEFENSE TRAIN.	ON/OFF	P.S.		A-4	
231854	03L522	ARSENAL GRAVEL PIT	ON	ABAND 8/92		D-8	
231857	03M505			ABAND		K-12	
231878		MENGELKOCH #2					R-25
232067		NBR 135					
232069		UHIL					
233221		REUBEN MEAT	OFF	DOM			CC-20
233222		LOWRY GROVE TRAILER	OFF	ABAND			Z-21
233241		KOZAH'S MARKET					
233520		MCGILLIS					
233533		ROSELAWN CEMETARY	OFF	IRR			
233763		P. L. MORGAN	OFF	DOM			
233806			OFF	DOM			
234135	03U001	S1U3	ON	UN		G-2	0-25
234136	03M001	S1M3	ON	UN		G-2	0-25
234137	03L001	S1L3	ON	UN		G-2	0-25
234138	04U001	S1U4	ON	UN		G-2	0-25
234139	03U002	S2U3	ON	UN		I-4	P-25
234140	03M002	S2M3	ON	UN		I-4	P-25
234141	03L002	S2L3	ON	UN		I-4	P-25
234142	03U003	S3U3	ON	UN		K-5	Q-26
234143	03M003	S3M3	ON	UN		K-5	Q-26
234144	03L003	S3L3	ON	UN		K-5	Q-26
234145	03U004	S4U3	ON	UN		K-7	
234146	03M004	S4M3	ON	UN		K-7	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
234147	03L004	S4L3	ON	UN		K-7	
234148	03U005	S5U3	ON	UN		K-9	
234149	03U006	S6U3	ON	UN		K-11	
234150	03U007	S7U3	ON	UN		J-12	
234151	03M007	S7M3	ON	UN		J-12	
234152	03L007	S7L3	ON	UN		J-12	
234153	03U008	S8U3	ON	UN		F-12	
234154	03U009	S9U3	ON	UN		B-12	
234155	03U010	S10U3	ON	UN		A-10	
234156	03M010	S10M3	ON	UN		A-10	
234157	03L010	S10L3	ON	UN		A-10	
234158	03U011	S11U3	ON	UN		A-7	
234159	03U012	S12U3	ON	UN		B-3	
234160	03M012	S12M3	ON	UN		B-3	
234161	03L012	S12L3	ON	UN		B-3	
234162	03U013	S13U3	ON	UN		E-2	
234163	03M013	S13M3	ON	UN		E-2	
234164	03L013	S13L3	ON	UN		E-2	
234165	03U014	S14U3	ON	UN		I-7	P-27
234166	03U015	S15U3	ON	UN		F-5	
234167	03U016	S16U3	ON	UN		F-9	0-27
234168	03U017	S17U3	ON	UN		H-5	
234169	03M017	S17M3	ON	UN		H-5	
234170	03L017	S17L3	ON	UN		H-5	
234171	03U018	S18U3	ON	UN		H-6	
234172	03U019	S19U3	ON	UN		H-8	
234173	03U020	S20U3	ON	UN		I-6	P-26
234174	03M020	S20M3	ON	UN		I-6	P-26
234175	03L020	S20L3	ON	UN		I-6	P-26
234176	03U021	S21U3	ON	UN		J-4	P-26
234193	04U003	S3U4	ON	UN		K-5	Q-26
234194	04U002	S2U4	ON	UN		I-4	P-25
234195	04U007	S7U4	ON	UN		J-12	
234196	04U012	S12U4	ON	UN		B-3	
234197	04U020	S20U4	ON	UN		I-6	P-26
234198	01U004	S4U1				K-7	
234199	01U011	S11U1	ON	MON		A-7	
234200	01U012	S12U1	ON	MON		B-3	
234201	01U022	S22U1	ON	MON		B-6	
234202	01U033	S33U1	ON	MON		A-10	
234204	01U034	S34U1	ON	MON		A-8	
234205	01U035	S35U1	ON	TEST		A-7	
234206	01U036	S36U1	ON	MON		A-7	
234207	01U037	S37U1					
234208	01U038	S38U1				A-6	
234209	01U039	S39U1	ON	MON		A-4	
234210	01U040	S40U1	ON	MON		B-4	
234211	01U041	S41U1	ON	MON		B-5	
234212	01U044	S44U1	ON	MON		C-4	
234215	01U045	S45U1	ON	MON		D-4	
234216	01U046	S46U1	ON	MON		D-4	
234217	01U047	S47U1	ON	MON		E-2	
234218	01U048	S48U1				E-2	
234221	01U050	S50AU1				H-2	
234222	01U051	S51U1	ON	MON		H-2	
234223	01U052	S52U1	ON	MON		E-3	
234225	01U053	S53AU1	ON	MON		K-4	
234227	01U054	S54AU1				K-5	
234235	01U060	S60U1	ON	MON		J-10	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
234237	01U062	S62U1	ON	MON		J-3	
234239	01U063	S63U1	ON	MON		B-4	
234240	01U064	S64U1	ON	MON		J-6	
234241	01U065	S65U1	ON	MON		F-2	
234243	01U067	S67U1	ON	MON		B-6	
234250	01U072	S72AU1	ON	MON		E-9	
234301		DEWITT					
234305		GLENN BEGGIN					
234319		HIDE & TALLOW	OFF				P-25
234327		BRESKE					
234335		MENGELKOCH #1					R-25
234337		MENGELKOCH #3					R-25
234350		GORDON					
234351		YEMPA					
234352							R-23
234353		LENTSCH'S ICE WK.	#				P-25
234355		MENGELKOCH #1	#				
234356		NORDQUIST P43					Q-25
234357		PHILLIPS PET P46					P-25
234386		ZELL OLS.					
234391		SHERER L.					
234396		DEWITT					
234406		KLAPP					
234409		HIDE & TALLOW					
234425		KEN GEREBI	#				P-25
234430		CMIEL					Q-26
234431		HARSTAD					
234463		KEN SOLIE					V-21
234546		HONEYWELL RIDGEWAY					BB-21
234547		HONEYWELL RIDGEWAY					BB-21
235539		OLD HOTEL	OFF				Q-24
235557		HIDDEN FALLS PARK W.WELL	OFF	P.S.			
235565	PJ#074	S74PJ				I-6	
235619		SHRINERS HOSPITAL	OFF	P.S.			
235735		FLOUR CITY ARCHITECTURAL	OFF	COM			
235748	03L014	S14L3	ON	UN		I-7	P-27
235749	03L018	S18L3	ON	UN		H-6	
235750	03L021	S21L3	ON	UN		J-4	P-26
235751	03L027	S27L3	ON	UN		J-6	
235752	03L028	S28L3				J-6	
235753	03L029	S29L3				K-5	P-26
236066	03L029						
236066	03U094	S94U3	ON	UN		I-7	P-27
236067	03L091	S91L3	ON	UN		G-7	
236068	03L086	S86L3	ON	UN		J-9	
236069	03U084	S84U3	ON	UN		H-3	0-25
236070	03L081	S81L3	ON	UN		I-8	
236071	03L080	S80L3	ON	UN		J-6	
236072	03U079	S79U3	ON	UN		K-5	Q-26
236073	03U078	S78U3	ON	UN		J-4	P-26
236074	03L078	S78L3	ON	UN		J-4	P-26
236075	03U077	S77U3	ON	UN		I-3	P-25
236076	03L077	S77L3	ON	UN		I-3	P-25
236077	03U076	S76U3	ON	UN		G-2	
236078	03U075	S75U3	ON	UN		F-2	
236079	03L005	S5L3	ON	UN		K-9	
236080	03L113	WF1L3	ON	UN		G-8	0-27
236122		NWR	OFF	ABAND			Q-24
236176	01U003	S3U1				K-5	Q-26

Minnesota Unique #		IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
236177		01U043	S43AU1				C-5	
236178		03U022	S22U3				B-6	
236179		03U023	S23U3				B-5	
236180		03U024	S24U3				C-5	
236181		03U025	S25U3				D-4	
236182		03U026	S26U3	ON			H-7	
236183		03U027	S27U3				J-6	
236184		03U028	S28U3				J-6	
236185		03U029	S29U3				K-5	P.26
236186		03U030	S30U3				J-6	P-26
236187		03U031	S31U3				F-4	
236188		03U032	S32U3				G-7	
236189		01U601	OW101U1	ON	MON		F-3	
236190		01U602	OW102U1	ON	MON		F-3	
236191		01U603	OW103U1	ON	MON		E-3	
236192		01U604	OW104U1	ON	MON		E-3	
236193		01U605	OW10571	ON	MON		E-3	
236194		01U524	FA4U1	ON	PIEZ.		I-3	
236195		01U527	FV8U1	ON	PIEZ.		I-3	
236196		01U525	FW5U1	ON	PIEZ.		J-4	
236197		01U526	FV12U1	ON	PIEZ.		I-4	
236437	*	PJ#802	T2PJ	OFF	MON	421437	K-4	Q-26
236449		03U801	T1U3	OFF			K-4	Q-26
236450		04U802	T2U4	OFF			K-4	Q-26
236452	*	01U803	T3U1	OFF	TEST	424053	K-3	Q-25
236453	*	03U803	T3U3	OFF	MON	421434	K-3	Q-25
236455	*	03U804	T4U3	OFF	MON	421433	J-4	P-25
236457	*	01U805	T5U1	OFF	MON	424060	J-3	P-25
236458	*	03U805	T5U3	OFF	MON	421432	J-3	P-25
236460	*	01U806	T6U1	OFF	MON	424058	I-3	P-25
236461	*	03U806	T6U3	OFF	MON	421431	I-3	P-25
236462	*	03M806	T6M3	OFF	MON	421430	I-3	P-25
236463	*	03L806	T6L3	OFF	MON	421429	I-3	P-25
236464	*	04U806	T6U4	OFF	MON	421428	I-3	P-25
236465	*	PJ#806	T6PJ	OFF	MON	421427	I-3	P-25
236468		PJ#003	S3PJ	ON	UN		K-5	Q-26
236469		PJ#027	S27PJ	ON	UN		J-6	
236471	*	01U807	T7U1	OFF	TEST	424059		
236476		03U082	S82U3	ON	UN		B-7	
236478		03U083	S83U3	ON	UN		E-4	
236479		01U085	S85U1	ON	UN		D-4	
236480		03U087	S87U3	ON	UN		F-6	
236482		03U088	S88U3	ON	UN		F-6	
236483		03U089	S89U3	ON	UN		F-6	
236485		03U090	S90U3	ON	UN		H-7	
236487		03U092	S92U3	ON	UN		H-6	
236489		03U093	S93U3	ON	UN		H-6	
236491		03U096	S96U3	ON	UN		G-6	
236493		03U097	S97U3	ON	UN		E-9	
236494		01U098	S98U1	ON	UN		J-10	
236495		03U099	S99U3	ON	UN		K-10	
236497		01U100	S100U1	ON	UN		B-9	
236498		01U101	S101U1	ON	UN		B-8	
236499		01U102	S102U1	ON	UN		A-5	
236500		01U103	S103U1	ON	UN		A-6	
236501		01U104	S104U1	ON	UN		A-6	
236502		01U105	S105U1	ON	UN		A-6	
236503		01U106	S106U1	ON	UN		A-6	
236504		01U107	S170U1	ON	UN		B-6	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
236505	01U108	S108U1	ON	UN		A-6	
236506	01U109	S109U1	ON	UN		B-6	
236507	01U110	S11OU1	ON	UN		B-6	
236508	03U111	S111U3	ON	UN		E-9	
236510	03U112	S112U3	ON	UN		H-7	0-27
242124	03U113	WF1U3	ON	MON		G-8	0-27
242125	03U114	WF2U3	ON	MON		H-7	0-27
242127	01U607	OW107U1	ON	MON		E-3	
242128	01U608	OW108U1	ON	MON		F-3	
242129	01U609	OW109U1	ON	MON		F-3	
242130	01U610	OW110U1	ON	MON			
242131	01U611	OW111U1	ON	MON		E-3	
242132	03U647		ON	MON		J-6	
242133	03U648		ON	MON		J-6	P-26
242134	01U652	OW522U1				J-6	
242135	01U666	OW536U1				K-5	
242136	01U667	OW537U1				J-6	
242137	01U668	OW538U1				J-6	
242138	04U027	S27U4				J-6	
242153	01U813	H3U1	OFF				P-23
242160	03L079	S79L3	ON	MON		K-5	Q-26
242162		301PB	OFF				
242182	01U624A	BP185A	ON	MON		F-3	
242183	01U624B	BP185B				F-3	
242184	01U624C	BP185C				F-3	
242185	01U624D	BP185D				F-3	
242186	01U625A	BP285A	ON	MON		F-3	
242187	01U625B	BP285B				F-3	
242188	01U625C	BP285C				F-3	
242189	01U625D	BP285D				F-3	
242190	01U626A	BP385A	ON	MON		F-3	
242191	01U626B	BP385B				F-3	
242192	01U626C	BP385C				F-3	
242193	01U626D	BP385D				F-3	
242194	01U627A	BP485A	ON	MON		F-3	
242195	01U627B	BP485B				F-3	
242196	01U627C	BP485C				F-3	
242197	01U627D	BP485D				F-3	
242198	01U628A	BP585A	ON	MON		F-3	
242199	01U628B	BP585B				F-3	
242200	01U628C	BP585C				F-3	
242201	01U628D	BP585D				F-3	
242207		SUNSET MEMORIAL CEMETARY	OFF				
265735		FLOUR CITY ARCH					
322664		ABBOTT NW HOSP					
405651		METAL-MATIC INC.	OFF	IND			
406198	04U851	311U4					U-23
409546		PCA2L3	OFF	TEST			S-24
409547		PCA1U4	OFF	TEST			R-24
409548		PCA2U4	OFF	TEST			S-24
409549		PCA3U4	OFF	TEST			R-22
409550		PCA6U3	OFF	TEST			P-25
409555		PCA5U4	OFF	TEST			V-22
409556		PCA4L3	OFF	TEST			S-22
409557		PCA1L3	OFF	TEST			R-24
409595		B109U3	OFF	ABAND			R-24
409596		B118U3	OFF	MON			R-24
409597		B118L3	OFF	IND			R-24
409598		B117U3	OFF	ABAND			R-24

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
416051	03M848	308M3	OFF	MON			Q-25
416078	04U848	308U4	OFF	TEST			Q-25
416080	04U852	312U4	OFF	MON			V-23
416081	03L858	318L3	OFF	MON			X-22
416082	04U849	309U4	OFF	MON			R-23
416143			OFF	ABAND			
416198		311U4	OFF	MON			
416199	03L848	308L3	OFF	MON			Q-25
416200	04U850	310U4	OFF	MON			S-22
420713		HERBST LANDFILL	OFF	MON			
421425	03U659		ON	MON		J-6	P-26
421426	03U658		ON	MON		K-7	
421438	03U671	PO-1	ON	MON		J-4	P-26
421440	03U672	PD2U3	OFF	MON		K-6	Q-26
421441	03U673	PD3U3				L-3	Q-25
424052	01L822	NW2L1	OFF	TEST			Q-24
424054	01L821	NW1L1	OFF	TEST			Q-24
424055	01L811	H1L1	OFF	TEST			P-24
424056	01L816	H6L1	OFF	ABAND			P-24
424057	01U808	T8U1				J-2	
424061	01L823	NW3L1	OFF	TEST			S-24
424062	01L813	H3L1	OFF	TEST			P-23
426808	03U811	H1U3	OFF	TEST			P-24
426809	03L811	H1L3	OFF	TEST			P-24
426810	03U821	NW1U3	OFF	TEST			Q-24
426811	04U821	NW1U4	OFF	TEST			Q-24
426812	03U822	NW2U3	OFF	TEST			Q-24
426813	03L822	NW2L3	OFF	TEST			Q-24
426814	03U824	NW4U3	OFF	TEST			R-24
426815	03L673	PD3L3	OFF	TEST		L-3	Q-25
426816	03L813	H3L3	OFF	TEST			P-23
426817	03L802	T2L3	OFF	TEST		K-4	Q-26
426818	03M802	T2M3	OFF	TEST		K-4	Q-26
426842	03F302	B1	ON	MON		K-5	Q-26
426843	03F303	B2	ON	MON		K-4	P-26
426844	03F304	B3	ON	MON		J-4	P-25
426845	03F305	B4	ON	MON		J-3	P-25
426846	03F306	B5	ON	MON		I-3	P-25
426847	03F307	B6	ON	MON		I-3	P-25
426848	03U701	701U3	ON	MON		I-3	P-25
426849	04U701	701U4	ON	MON		I-3	P-25
426850	03U702	702U3	ON	MON		I-3	P-25
426851	04U841	301U4	OFF	TEST			Q-25
426852	03M843	303M3	OFF	TEST			Q-24
426853	04U843	303U4	OFF	TEST			Q-24
426854	04U844	304U4	OFF	TEST			R-24
426855	04U845	305U4	OFF	MON			R-25
426856	04U846	306U4	OFF	MON			S-22
426857	04U847	307U4	OFF	MON			P-24
426858	03L853	313L3	OFF	MON			Q-24
426859	03L854	314L3	OFF	MON			R-25
426860	04U855	315U4	OFF	MON			Q-22
426861	03L856	316L3	OFF	MON			P-23
426862	03U815	H5U3	OFF	TEST			P-23
426863	03U831	OM1U3	OFF	TEST			R-24
426864	03U832	OM2U3	OFF	TEST			R-24
426865	03L832	OM2L3	OFF	TEST			R-24
426866	04U832	OM2U4	OFF	TEST			R-24
426867	04U673	PD3U4	OFF	TEST		L-3	Q-25

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
426868	03L809	T9L3	OFF	MON			P-25
426876	04U702	702U4	ON	MON		I-3	P-25
426877	04U077	ST77U4	ON	MON		I-3	P-25
426878	03U703	703U3				K-4	P-26
426879	03U708	708U3	ON	MON		J-4	P-25
426880	04U708	708U4	ON	MON		J-4	P-25
426881	03U709	709U3	ON	MON		J-3	P-25
426882	04U709	709U4	ON	MON		J-3	P-25
426883	03U704	704U3	ON	MON		E-7	
426884	03U705	705U3	ON	MON		E-7	
426885	03U706	706U3	ON	MON		E-6	
426886	03U707	707U3	ON	MON		C-7	
427410	01U120		ON	MON		A-6	
427411	01U115		ON	MON		A-5	
427412	01U116		ON	MON		A-5	
427413	01U117		ON	MON		A-5	
427414	01U118		ON	MON		B-5	
427415	01U119		ON	MON		A-6	
434031	04U711	711U4	OFF	MON		J-3	P-25
434032	03U710	71OU3	ON	MON		K-5	Q-26
434033	03U711	711U3	OFF	MON		J-3	P-25
434034	04U861	321U4	OFF	MON			R-24
434035	04U860	320U4	OFF	MON			R-25
434036	04U859	319U4	OFF	MON			Q-25
434037	03L841	301L3	OFF	MON			Q-25
434038	03L860	320L3	OFF	MON			R-25
434039	03L861	321L3	OFF	MON			R-24
434040	03L859	319L3	OFF	MON			Q-25
439701	04U854	314U4	OFF	MON			R-25
440884	03U121		ON	MON		H-7	
440885	03M005	ST-5-M3	ON	MON		K-9	
440886	03U129		ON	MON		D-9	
440887	03L084	ST84L3	ON	MON		H-3	0-25
440888	01U122		ON	MON		A-8	
440889	01U125		ON	MON		A-5	
440890	01U126		ON	MON		A-6	
440891	01U127		ON	MON		A-6	
440892	01U128		ON	MON		E-3	
440893	01U133		ON	MON		A-6	
440894	01U134		OFF	MON			
440895	01U130		ON	MON		G-2	
440896	03U124		ON	MON		G-7	
447889	04U871	401U4	OFF	MON			U-21
447890	04U882	412U4	OFF	MON			Z-22
447891	04U881	411U4	OFF	MON			X-20
447892	04U883	413U4	OFF	MON			Z-23
447893	01U350		ON	MON		A-6	
447894	PJ#318	318U4	OFF	MON			X-22
447895	04U880	410U4	OFF	MON			V-19
447896	04U877	407U4	OFF	MON			T-22
447898	04U875	405U4	OFF	MON			U-20
447899	03L846	306L3	OFF	MON			S-22
447900	04U879	409U4	OFF	MON			R-21
447988	04U872	402U4	OFF	MON			V-21
447998	01U135		ON	MON		A-4	
447999	01U136		ON	MON		A-3	
453821	03U317	SC-5	ON	MON		H-6	
453822	03U316	SC-4	ON	MON		H-6	
453823	03F308	B7	ON	MON		H-2	0-25

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
453824	03F312	B11	ON	MON		K-5	Q-26
453825	PJ#309	B8	ON	MON		J-3	P-25
453826	PJ#310	B9	ON	MON		I-3	P-25
453827	PJ#311	B10	ON	MON		H-2	P-25
453828	PJ#313	B12	ON	MON		H-2	0-25
453829	04J708		ON	MON		J-3	P-25
453830	04J713		ON	MON		H-2	0-25
453831	03M713		ON	MON		H-2	0-25
453832	04U714		ON	MON		G-2	0-25
453833	03U715	SM1	ON	MON		I-6	
453834	03U716	SM2	ON	MON		H-6	
482083		K04-MW					
482084		K02-MW					
482085		K01-MW					
482086		I01-MW					
482087		I05-MW					
482088		I02-MW					
482089		I04-MW					
482090		I03-MW					
482707	04J882		OFF	MON			Z-21
482708	04J835		OFF	MON			Z-22
482709	04J834		OFF	MON			Y-22
500691	04U414	EZ SELF SERVICE	OFF	MON			T-24
500694	03L137		ON	MON			
505189	01U137		ON	MON		A-5	
505190	01U138		ON	MON		A-5	
505191	01U139		ON	MON		A-5	
505192	01U140		ON	MON		A-5	
505193	01U141		ON	MON		A-5	
505209	01U902					A-5	
505210	01U901	H3U1				A-4	
505618	03L138		ON	MON			
508115	04U322	322U4	OFF	MON			T-24
508117	04J702		ON	MON		I-3	P-25
508118	04J077		ON	MON			
508119	04U713		ON	MON		H-2	0-25
508120	04J714		ON	MON		G-2	0-25
508122	03U314	SC-2	ON	MON		I-6	P-27
512761		GROSS GOLF #2					AA-22
519288		E101-MW					
519289		E102-MW					
519290		E103-MW					
519291		129-1501-MW					
519836	04U834		OFF	MON			Y-22
519956	03L833		OFF	MON		I-2	P-25
519957	04U833		OFF	MON		I-2	P-25
520931		NEW BRIGHTON #13					T-24
524047	04U865	325U4					T-24
524048	04J866	326J					T-24
524049	04U866	326U4					T-24
524050	04U864	324U4					
524051	04J864	324J					T-24
538039	01U145		ON	PIEZ.			
538040	01U146		ON	PIEZ.			
538041	01U147		ON	PIEZ.			
538042	01U148		ON	PIEZ.			
538043	01U149		ON	PIEZ.			
538044	01U150		ON	PIEZ.			
538045	01U151		ON	PIEZ.			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
538046	01U152		ON	PIEZ.			
538047	01U153		ON	PIEZ.			
538048	01U154		ON	PIEZ.			
538049	01U155		ON	PIEZ.			
538050	01U156		ON	PIEZ.			
538051	01U351		ON	REM			
538052	01U352		ON	REM			
538053	01U353		ON	REM			
538054	01U354		ON	REM			
538055	01U355		ON	REM			
538056	01U356		ON	REM			
538057	01U357		ON	REM			
538058	01U358		ON	REM			
538059	01U904		OFF	MON			
538060	01U903		OFF	MON			
538062	01U157		ON	MON			
538063	01U158		ON	MON			
	PJ#006						
	03U301	SC-1				K-5	P-26
	03L306						
	03U315	SC-3				I-6	
	01U653						
	03U674	OW541U3				K-5	
	03U676					J-6	
	04U842						
	03L843	303L3					
	04U863	323U4					
		BOYLE					
		MW15D					
		MW15H					
		MW15S					

Appendix B.2

Sorted by IRDMIS Number

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
234137	03L001	S1L3	ON	UN		G-2	0-25
234136	03M001	S1M3	ON	UN		G-2	0-25
234135	03U001	S1U3	ON	UN		G-2	0-25
234138	04U001	S1U4	ON	UN		G-2	0-25
234141	03L002	S2L3	ON	UN		I-4	P-25
234140	03M002	S2M3	ON	UN		I-4	P-25
234139	03U002	S2U3	ON	UN		I-4	P-25
234194	04U002	S2U4	ON	UN		I-4	P-25
236176	01U003	S3U1				K-5	Q-26
234144	03L003	S3L3	ON	UN		K-5	Q-26
234143	03M003	S3M3	ON	UN		K-5	Q-26
234142	03U003	S3U3	ON	UN		K-5	Q-26
234193	04U003	S3U4	ON	UN		K-5	Q-26
236468	PJ#003	S3PJ	ON	UN		K-5	Q-26
234198	01U004	S4U1				K-7	
234147	03L004	S4L3	ON	UN		K-7	
234146	03M004	S4M3	ON	UN		K-7	
234145	03U004	S4U3	ON	UN		K-7	
236079	03L005	S5L3	ON	UN		K-9	
440885	03M005	ST-5-M3	ON	MON		K-9	
234148	03U005	S5U3	ON	UN		K-9	
234149	03U006	S6U3	ON	UN		K-11	
	PJ#006						
234152	03L007	S7L3	ON	UN		J-12	
234151	03M007	S7M3	ON	UN		J-12	
234150	03U007	S7U3	ON	UN		J-12	
234195	04U007	S7U4	ON	UN		J-12	
234153	03U008	S8U3	ON	UN		F-12	
234154	03U009	S9U3	ON	UN		B-12	
234157	03L010	S10L3	ON	UN		A-10	
234156	03M010	S10M3	ON	UN		A-10	
234155	03U010	S10U3	ON	UN		A-10	
234199	01U011	S11U1	ON	MON		A-7	
234158	03U011	S11U3	ON	UN		A-7	
234200	01U012	S12U1	ON	MON		B-3	
234161	03L012	S12L3	ON	UN		B-3	
234160	03M012	S12M3	ON	UN		B-3	
234159	03U012	S12U3	ON	UN		B-3	
234196	04U012	S12U4	ON	UN		B-3	
234164	03L013	S13L3	ON	UN		E-2	
234163	03M013	S13M3	ON	UN		E-2	
234162	03U013	S13U3	ON	UN		E-2	
235748	03L014	S14L3	ON	UN		I-7	P-27
234165	03U014	S14U3	ON	UN		I-7	P-27
234166	03U015	S15U3	ON	UN		F-5	
234167	03U016	S16U3	ON	UN		F-9	0-27
234170	03L017	S17L3	ON	UN		H-5	
234169	03M017	S17M3	ON	UN		H-5	
234168	03U017	S17U3	ON	UN		H-5	
235749	03L018	S18L3	ON	UN		H-6	
234171	03U018	S18U3	ON	UN		H-6	
234172	03U019	S19U3	ON	UN		H-8	
234175	03L020	S20L3	ON	UN		I-6	P-26
234174	03M020	S20M3	ON	UN		I-6	P-26
234173	03U020	S20U3	ON	UN		I-6	P-26
234197	04U020	S20U4	ON	UN		I-6	P-26
235750	03L021	S21L3	ON	UN		J-4	P-26
234176	03U021	S21U3	ON	UN		J-4	P-26
234201	01U022	S22U1	ON	MON		B-6	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
236178	03U022	S22U3				B-6	
236179	03U023	S23U3				B-5	
236180	03U024	S24U3				C-5	
236181	03U025	S25U3				D-4	
236182	03U026	S26U3	ON			H-7	
235751	03L027	S27L3	ON	UN		J-6	
236183	03U027	S27U3				J-6	
242138	04U027	S27U4				J-6	
236469	PJ#027	S27PJ	ON	UN		J-6	
235752	03L028	S28L3				J-6	
236184	03U028	S28U3				J-6	
235753	03L029	S29L3				K-5	P-26
236066	03L029						
236185	03U029	S29U3				K-5	P.26
236186	03U030	S30U3				J-6	P-26
236187	03U031	S31U3				F-4	
236188	03U032	S32U3				G-7	
234202	01U033	S33U1	ON	MON		A-10	
234204	01U034	S34U1	ON	MON		A-8	
234205	01U035	S35U1	ON	TEST		A-7	
234206	01U036	S36U1	ON	MON		A-7	
234207	01U037	S37U1					
234208	01U038	S38U1				A-6	
234209	01U039	S39U1	ON	MON		A-4	
234210	01U040	S40U1	ON	MON		B-4	
234211	01U041	S41U1	ON	MON		B-5	
236177	01U043	S43AU1				C-5	
234212	01U044	S44U1	ON	MON		C-4	
234215	01U045	S45U1	ON	MON		D-4	
234216	01U046	S46U1	ON	MON		D-4	
234217	01U047	S47U1	ON	MON		E-2	
234218	01U048	S48U1				E-2	
234221	01U050	S50AU1				H-2	
234222	01U051	S51U1	ON	MON		H-2	
234223	01U052	S52U1	ON	MON		E-3	
234225	01U053	S53AU1	ON	MON		K-4	
234227	01U054	S54AU1				K-5	
234235	01U060	S60U1	ON	MON		J-10	
234237	01U062	S62U1	ON	MON		J-3	
234239	01U063	S63U1	ON	MON		B-4	
234240	01U064	S64U1	ON	MON		J-6	
234241	01U065	S65U1	ON	MON		F-2	
234243	01U067	S67U1	ON	MON		B-6	
234250	01U072	S72AU1	ON	MON		E-9	
235565	PJ#074	S74PJ				I-6	
236078	03U075	S75U3	ON	UN		F-2	
236077	03U076	S76U3	ON	UN		G-2	
236076	03L077	S77L3	ON	UN		I-3	P-25
236075	03U077	S77U3	ON	UN		I-3	P-25
508118	04J077		ON	MON			
426877	04U077	ST77U4	ON	MON		I-3	P-25
236074	03L078	S78L3	ON	UN		J-4	P-26
236073	03U078	S78U3	ON	UN		J-4	P-26
242160	03L079	S79L3	ON	MON		K-5	Q-26
236072	03U079	S79U3	ON	UN		K-5	Q-26
236071	03L080	S80L3	ON	UN		J-6	
236070	03L081	S81L3	ON	UN		I-8	
236476	03U082	S82U3	ON	UN		B-7	
236478	03U083	S83U3	ON	UN		E-4	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
440887	03L084	ST84L3	ON	MON		H-3	0-25
236069	03U084	S84U3	ON	UN		H-3	0-25
236479	01U085	S85U1	ON	UN		D-4	
236068	03L086	S86L3	ON	UN		J-9	
236480	03U087	S87U3	ON	UN		F-6	
236482	03U088	S88U3	ON	UN		F-6	
236483	03U089	S89U3	ON	UN		F-6	
236485	03U090	S90U3	ON	UN		H-7	
236067	03L091	S91L3	ON	UN		G-7	
236487	03U092	S92U3	ON	UN		H-6	
236489	03U093	S93U3	ON	UN		H-6	
236066	03U094	S94U3	ON	UN		I-7	P-27
236491	03U096	S96U3	ON	UN		G-6	
236493	03U097	S97U3	ON	UN		E-9	
236494	01U098	S98U1	ON	UN		J-10	
236495	03U099	S99U3	ON	UN		K-10	
236497	01U100	S100U1	ON	UN		B-9	
236498	01U101	S101U1	ON	UN		B-8	
236499	01U102	S102U1	ON	UN		A-5	
236500	01U103	S103U1	ON	UN		A-6	
236501	01U104	S104U1	ON	UN		A-6	
236502	01U105	S105U1	ON	UN		A-6	
236503	01U106	S106U1	ON	UN		A-6	
236504	01U107	S170U1	ON	UN		B-6	
236505	01U108	S108U1	ON	UN		A-6	
236506	01U109	S109U1	ON	UN		B-6	
236507	01U110	S11OU1	ON	UN		B-6	
236508	03U111	S111U3	ON	UN		E-9	
236510	03U112	S112U3	ON	UN		H-7	0-27
236080	03L113	WF1L3	ON	UN		G-8	0-27
242124	03U113	WF1U3	ON	MON		G-8	0-27
242125	03U114	WF2U3	ON	MON		H-7	0-27
427411	01U115		ON	MON		A-5	
427412	01U116		ON	MON		A-5	
427413	01U117		ON	MON		A-5	
427414	01U118		ON	MON		B-5	
427415	01U119		ON	MON		A-6	
427410	01U120		ON	MON		A-6	
440884	03U121		ON	MON		H-7	
440888	01U122		ON	MON		A-8	
440896	03U124		ON	MON		G-7	
440889	01U125		ON	MON		A-5	
440890	01U126		ON	MON		A-6	
440891	01U127		ON	MON		A-6	
440892	01U128		ON	MON		E-3	
440886	03U129		ON	MON		D-9	
440895	01U130		ON	MON		G-2	
440893	01U133		ON	MON		A-6	
440894	01U134		OFF	MON			
447998	01U135		ON	MON		A-4	
447999	01U136		ON	MON		A-3	
505189	01U137		ON	MON		A-5	
500694	03L137		ON	MON			
505190	01U138		ON	MON		A-5	
505618	03L138		ON	MON			
505191	01U139		ON	MON		A-5	
505192	01U140		ON	MON		A-5	
505193	01U141		ON	MON		A-5	
538039	01U145		ON	PIEZ.			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
538040	01U146		ON	PIEZ.			
538041	01U147		ON	PIEZ.			
538042	01U148		ON	PIEZ.			
538043	01U149		ON	PIEZ.			
538044	01U150		ON	PIEZ.			
538045	01U151		ON	PIEZ.			
538046	01U152		ON	PIEZ.			
538047	01U153		ON	PIEZ.			
538048	01U154		ON	PIEZ.			
538049	01U155		ON	PIEZ.			
538050	01U156		ON	PIEZ.			
538062	01U157		ON	MON			
538063	01U158		ON	MON			
	03U301	SC-1				K-5	P-26
426842	03F302	B1	ON	MON		K-5	Q-26
426843	03F303	B2	ON	MON		K-4	P-26
426844	03F304	B3	ON	MON		J-4	P-25
426845	03F305	B4	ON	MON		J-3	P-25
426846	03F306	B5	ON	MON		I-3	P-25
	03L306						
426847	03F307	B6	ON	MON		I-3	P-25
453823	03F308	B7	ON	MON		H-2	0-25
453825	PJ#309	B8	ON	MON		J-3	P-25
453826	PJ#310	B9	ON	MON		I-3	P-25
453827	PJ#311	B10	ON	MON		H-2	P-25
453824	03F312	B11	ON	MON		K-5	Q-26
453828	PJ#313	B12	ON	MON		H-2	0-25
508122	03U314	SC-2	ON	MON		I-6	P-27
	03U315	SC-3				I-6	
453822	03U316	SC-4	ON	MON		H-6	
453821	03U317	SC-5	ON	MON		H-6	
447894	PJ#318	318U4	OFF	MON			X-22
508115	04U322	322U4	OFF	MON			T-24
447893	01U350		ON	MON		A-6	
538051	01U351		ON	REM			
538052	01U352		ON	REM			
538053	01U353		ON	REM			
538054	01U354		ON	REM			
538055	01U355		ON	REM			
538056	01U356		ON	REM			
538057	01U357		ON	REM			
538058	01U358		ON	REM			
500691	04U414	EZ SELF SERVICE	OFF	MON			T-24
206754	PJ#501	TWIN CITIES ARSENAL	ON	P.S.		F-4	
206756	PJ#502	TWIN CITIES ARSENAL NO. 2	ON	IND		G-4	
206758	PJ#503	TWIN CITIES ARSENAL NO. 3	ON	IND		H-4	
206724	PJ#504	TWIN CITIES ARSENAL	OFF	ABAND		E-2	
231857	03M505			ABAND		K-12	
206753	PJ#506	TWIN CITIES ARSENAL NO. 6	ON	ABAND		H-5	
206755	PJ#507	TWIN CITIES ARSENAL NO. 7	ON	ABAND		H-5	
206759	PJ#508	TWIN CITIES ARSENAL NO. 8	ON	ABAND		I-6	
206760	03M509	TWIN CITIES ARSENAL NO.9	ON	DOM		J-6	
206760	PJ#509	TWIN CITIES ARSENAL NO.9	ON	DOM			
231742	04U510	GRENADE PLANT PROOF RANGES	ON	IND		C-12	
114410	03U521		OFF	MON		F-7	
231854	03L522	ARSENAL GRAVEL PIT	ON	ABAND 8/92		D-8	
221855	03L523	ARSENAL GRAVEL PIT	ON	ABAND 8/92		D-8	
236194	01U524	FA4U1	ON	PIEZ.		I-3	
236196	01U525	FW5U1	ON	PIEZ.		J-4	

Minnesota Unique #		IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
236197		01U526	FV12U1	ON	PIEZ.		I-4	
236195		01U527	FV8U1	ON	PIEZ.		I-3	
236189		01U601	OW101U1	ON	MON		F-3	
236190		01U602	OW102U1	ON	MON		F-3	
236191		01U603	OW103U1	ON	MON		E-3	
236192		01U604	OW104U1	ON	MON		E-3	
236193		01U605	OW10571	ON	MON		E-3	
242127		01U607	OW107U1	ON	MON		E-3	
242128		01U608	OW108U1	ON	MON		F-3	
242129		01U609	OW109U1	ON	MON		F-3	
242130		01U610	OW110U1	ON	MON			
242131		01U611	OW111U1	ON	MON		E-3	
194725	*	01U612	OW112U1	ON	MON	194758	E-3	
194726	*	01U613		ON	MON	194759	E-3	
194727	*	01U615	OW115U1	ON	MON	194760	F-3	
194728	*	01U616	OW116U1	ON	MON	194761	F-3	
194729	*	01U617	OW117U1	ON	MON	194770	F-3	
194730	*	01U618	OW118U1	ON	MON	194771	F-3	
194772		01U619	PW119U1	ON	MON		F-3	
194701		01U620	OW120U1	ON	MON		F-3	
194702		01U621	PW121U1	ON	MON		F-3	
194703		01U622	OW122U1	ON	MON		F-3	
194704		01U623	OW123U1	ON	MON		F-3	
242182		01U624A	BP185A	ON	MON		F-3	
242183		01U624B	BP185B				F-3	
242184		01U624C	BP185C				F-3	
242185		01U624D	BP185D				F-3	
242186		01U625A	BP285A	ON	MON		F-3	
242187		01U625B	BP285B				F-3	
242188		01U625C	BP285C				F-3	
242189		01U625D	BP285D				F-3	
242190		01U626A	BP385A	ON	MON		F-3	
242191		01U626B	BP385B				F-3	
242192		01U626C	BP385C				F-3	
242193		01U626D	BP385D				F-3	
242194		01U627A	BP485A	ON	MON		F-3	
242195		01U627B	BP485B				F-3	
242196		01U627C	BP485C				F-3	
242197		01U627D	BP485D				F-3	
242198		01U628A	BP585A	ON	MON		F-3	
242199		01U628B	BP585B				F-3	
242200		01U628C	BP585C				F-3	
242201		01U628D	BP585D				F-3	
194720		01U631	OW501U1	ON	MON			
194721		01U632	OW502U1					
194716		01U634	OW504U1	ON	MON		J-5	
194722		01U635	OW505U1	ON	MON			
194723		01U636	OW506U1				K-5	
194717		01U638	OW508U1					
194718		01U639	OW509U1	ON	MON		K-6	
194719		01U640	OW510U1				K-6	
194724		01U642	OW512U1				K-7	
242132		03U647		ON	MON		J-6	
242133		03U648		ON	MON		J-6	P-26
242134		01U652	OW522U1				J-6	
		01U653						
421426		03U658		ON	MON		K-7	
421425		03U659		ON	MON		J-6	P-26
242135		01U666	OW536U1				K-5	

Minnesota Unique #		IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
242136		01U667	OW537U1				J-6	
242137		01U668	OW538U1				J-6	
421438		03U671	PO-1	ON	MON		J-4	P-26
421440		03U672	PD2U3	OFF	MON		K-6	Q-26
426815		03L673	PD3L3	OFF	TEST		L-3	Q-25
421441		03U673	PD3U3				L-3	Q-25
426867		04U673	PD3U4	OFF	TEST		L-3	Q-25
		03U674	OW541U3				K-5	
		03U676					J-6	
426848		03U701	701U3	ON	MON		I-3	P-25
426849		04U701	701U4	ON	MON		I-3	P-25
426850		03U702	702U3	ON	MON		I-3	P-25
508117		04J702		ON	MON		I-3	P-25
426876		04U702	702U4	ON	MON		I-3	P-25
426878		03U703	703U3				K-4	P-26
426883		03U704	704U3	ON	MON		E-7	
426884		03U705	705U3	ON	MON		E-7	
426885		03U706	706U3	ON	MON		E-6	
426886		03U707	707U3	ON	MON		C-7	
426879		03U708	708U3	ON	MON		J-4	P-25
453829		04J708		ON	MON		J-3	P-25
426880		04U708	708U4	ON	MON		J-4	P-25
426881		03U709	709U3	ON	MON		J-3	P-25
426882		04U709	709U4	ON	MON		J-3	P-25
434032		03U710	71OU3	ON	MON		K-5	Q-26
434033		03U711	711U3	OFF	MON		J-3	P-25
434031		04U711	711U4	OFF	MON		J-3	P-25
453831		03M713		ON	MON		H-2	0-25
453830		04J713		ON	MON		H-2	0-25
508119		04U713		ON	MON		H-2	0-25
508120		04J714		ON	MON		G-2	0-25
453832		04U714		ON	MON		G-2	0-25
453833		03U715	SM1	ON	MON		I-6	
453834		03U716	SM2	ON	MON		H-6	
236449		03U801	T1U3	OFF			K-4	Q-26
426817		03L802	T2L3	OFF	TEST		K-4	Q-26
426818		03M802	T2M3	OFF	TEST		K-4	Q-26
236450		04U802	T2U4	OFF			K-4	Q-26
236437	*	PJ#802	T2PJ	OFF	MON	421437	K-4	Q-26
236452	*	01U803	T3U1	OFF	TEST	424053	K-3	Q-25
236453	*	03U803	T3U3	OFF	MON	421434	K-3	Q-25
236455	*	03U804	T4U3	OFF	MON	421433	J-4	P-25
236457	*	01U805	T5U1	OFF	MON	424060	J-3	P-25
236458	*	03U805	T5U3	OFF	MON	421432	J-3	P-25
236460	*	01U806	T6U1	OFF	MON	424058	I-3	P-25
236463	*	03L806	T6L3	OFF	MON	421429	I-3	P-25
236462	*	03M806	T6M3	OFF	MON	421430	I-3	P-25
236461	*	03U806	T6U3	OFF	MON	421431	I-3	P-25
236464	*	04U806	T6U4	OFF	MON	421428	I-3	P-25
236465	*	PJ#806	T6PJ	OFF	MON	421427	I-3	P-25
236471	*	01U807	T7U1	OFF	TEST	424059		
424057		01U808	T8U1				J-2	
426868		03L809	T9L3	OFF	MON			P-25
424055		01L811	H1L1	OFF	TEST			P-24
426809		03L811	H1L3	OFF	TEST			P-24
426808		03U811	H1U3	OFF	TEST			P-24
424062		01L813	H3L1	OFF	TEST			P-23
242153		01U813	H3U1	OFF				P-23
426816		03L813	H3L3	OFF	TEST			P-23

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
426862	03U815	H5U3	OFF	TEST			P-23
424056	01L816	H6L1	OFF	ABAND			P-24
424054	01L821	NW1L1	OFF	TEST			Q-24
426810	03U821	NW1U3	OFF	TEST			Q-24
426811	04U821	NW1U4	OFF	TEST			Q-24
424052	01L822	NW2L1	OFF	TEST			Q-24
426813	03L822	NW2L3	OFF	TEST			Q-24
426812	03U822	NW2U3	OFF	TEST			Q-24
424061	01L823	NW3L1	OFF	TEST			S-24
426814	03U824	NW4U3	OFF	TEST			R-24
426863	03U831	OM1U3	OFF	TEST			R-24
426865	03L832	OM2L3	OFF	TEST			R-24
426864	03U832	OM2U3	OFF	TEST			R-24
426866	04U832	OM2U4	OFF	TEST			R-24
519956	03L833		OFF	MON		I-2	P-25
519957	04U833		OFF	MON		I-2	P-25
482709	04J834		OFF	MON			Y-22
519836	04U834		OFF	MON			Y-22
482708	04J835		OFF	MON			Z-22
434037	03L841	301L3	OFF	MON			Q-25
426851	04U841	301U4	OFF	TEST			Q-25
	04U842						
	03L843	303L3					
426852	03M843	303M3	OFF	TEST			Q-24
426853	04U843	303U4	OFF	TEST			Q-24
426854	04U844	304U4	OFF	TEST			R-24
426855	04U845	305U4	OFF	MON			R-25
447899	03L846	306L3	OFF	MON			S-22
426856	04U846	306U4	OFF	MON			S-22
426857	04U847	307U4	OFF	MON			P-24
416199	03L848	308L3	OFF	MON			Q-25
416051	03M848	308M3	OFF	MON			Q-25
416078	04U848	308U4	OFF	TEST			Q-25
416082	04U849	309U4	OFF	MON			R-23
416200	04U850	310U4	OFF	MON			S-22
406198	04U851	311U4					U-23
416080	04U852	312U4	OFF	MON			V-23
426858	03L853	313L3	OFF	MON			Q-24
426859	03L854	314L3	OFF	MON			R-25
439701	04U854	314U4	OFF	MON			R-25
426860	04U855	315U4	OFF	MON			Q-22
426861	03L856	316L3	OFF	MON			P-23
416081	03L858	318L3	OFF	MON			X-22
434040	03L859	319L3	OFF	MON			Q-25
434036	04U859	319U4	OFF	MON			Q-25
434038	03L860	320L3	OFF	MON			R-25
434035	04U860	320U4	OFF	MON			R-25
434039	03L861	321L3	OFF	MON			R-24
434034	04U861	321U4	OFF	MON			R-24
	04U863	323U4					
524051	04J864	324J					T-24
524050	04U864	324U4					
524047	04U865	325U4					T-24
524048	04J866	326J					T-24
524049	04U866	326U4					T-24
447889	04U871	401U4	OFF	MON			U-21
447988	04U872	402U4	OFF	MON			V-21
447898	04U875	405U4	OFF	MON			U-20
447896	04U877	407U4	OFF	MON			T-22

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
447900	04U879	409U4	OFF	MON			R-21
447895	04U880	410U4	OFF	MON			V-19
447891	04U881	411U4	OFF	MON			X-20
482707	04J882		OFF	MON			Z-21
447890	04U882	412U4	OFF	MON			Z-22
447892	04U883	413U4	OFF	MON			Z-23
505210	01U901	H3U1				A-4	
505209	01U902					A-5	
538060	01U903		OFF	MON			
538059	01U904		OFF	MON			
107405		ROEBKE					
122210		ST. PAUL PORT AUTH. #3	OFF	UN			
127537			OFF	DOM			
134318		LORENZ W SEUTTER	OFF	DOM			
139035		WATERGATE MARINA	OFF	P.S.			
151568		ARDEN MANOR MOBILE HOME	OFF	P.S.			
191942		118PDC	OFF	MON			R-24
200070		RUAN TRANSPORT	OFF	COM			
200071		PRESTRESSED CONCRETE	OFF	UN			
200072		WITTE TRANSPORTATION	OFF	IND			
200073		WILSON TRANSFER & STORAGE	OFF	IND			
200074		ASBESTOS PROD	OFF	IND			
200075		PHILLIPS PETROLEUM	OFF	IND			
200076		OLD DUTCH FOODS INC	OFF	IND			Z-23
200077		JOHN CONLIN	OFF	DOM			
200078		WILLIAM CLASS	OFF	DOM			
200079		LAWRENCE SCHOENING	OFF	DOM			
200080		CARL A OSTROM & SON	OFF	DOM			
200081		A. O. LIEBIG	OFF	DOM			
200082			OFF	DOM			
200148		PAPER CALMERSON	OFF	IND			BB-23
200154		U OF M GOLF COURSE	OFF	IRR			CC-25
200167		KOPPERS COKE #1	OFF	IND			
200171		PLATING INC	OFF	IND			
200197		SNOW FLAKE DAIRY	OFF	COM			
200264		1620 CENTRAL	OFF	IND			
200384		METALLURGICAL INC. WELL #1	OFF	IND			
200524		ST. ANTHONY #1	OFF	MUNI			V-21
200525		PLETSCHER					
200531		NAZARETH					
200599		CEDAR AVE. TRIANGLE	OFF	P.S.			
200602		ATKINSON MILL CO.	OFF	IND			
200629		GENERAL MILLS	OFF	IND			
200803		ST. ANTHONY #4	OFF	P.S.			X-22
200804		ST. ANTHONY #3	OFF	MUNI			X-22
200812		GROSS GOLF COURSE	OFF	COM			AA-22
200814		AMERICAN LINEN	OFF	IND			CC-22
201074		GLEASSON MORTUARY	OFF	COM			
201082		NORTHWESTERN HOSPITAL	OFF	P.S.			
206669		FRIDLEY #8					
206672		FRIDLEY #9					
206673		FRIDLEY #6					
206688		CLOVER POND WELL	OFF	DOM			T-20
206689		JAMES K. O'NEIL					
206693		FERNELIUS					
206702		MINN E.S.					
206720		MOUNDSVIEW					
206722		M0UNDSVIEW #5					
206725		ARSENAL SAND & GRAVEL CO.	ON	IND			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
206750		SHORE #4					
206787		MOUNDSVIEW H.S.	OFF	P.S.			S-25
206791		NEW BRIGHTON #7	OFF	MUNI			U-23
206793		NEW BRIGHTON #3	OFF	MUNI			S-21
206796		NEW BRIGHTON #5					
206797		NEW BRIGHTON #6	OFF	MUNI			T-21
223844		KURTH MALTING CO EAST WL	OFF	IND			
223992		BOOM ISLAND	OFF	IND			
225886		FRANKLIN STEEL SQUARE	OFF	P.S.			
225905		ST PAUL TERM. WAREHOUSE	OFF	IND			
225906		ST PAUL TERM. WAREHOUSE	OFF	IND			
231741		LABELLE					
231845		MNDOT CIVIL DEFENSE TRAIN.	ON/OFF	P.S.		A-4	
231878		MENGELKOCH #2					R-25
232067		NBR 135					
232069		UHIL					
233221		REUBEN MEAT	OFF	DOM			CC-20
233222		LOWRY GROVE TRAILER	OFF	ABAND			Z-21
233241		KOZAH'S MARKET					
233520		MCGILLIS					
233533		ROSELAWN CEMETARY	OFF	IRR			
233763		P. L. MORGAN	OFF	DOM			
233806			OFF	DOM			
234301		DEWITT					
234305		GLENN BEGGIN					
234319		HIDE & TALLOW	OFF				P-25
234327		BRESKE					
234335		MENGELKOCH #1					R-25
234337		MENGELKOCH #3					R-25
234350		GORDON					
234351		YEMPA					
234352							R-23
234353		LENTSCH'S ICE WK.	#				P-25
234355		MENGELKOCH #1	#				
234356		NORDQUIST P43					Q-25
234357		PHILLIPS PET P46					P-25
234386		ZELL OLS.					
234391		SHERER L.					
234396		DEWITT					
234406		KLAPP					
234409		HIDE & TALLOW					
234425		KEN GEREBI	#				P-25
234430		CMIEL					Q-26
234431		HARSTAD					
234463		KEN SOLIE					V-21
234546		HONEYWELL RIDGEWAY					BB-21
234547		HONEYWELL RIDGEWAY					BB-21
235539		OLD HOTEL	OFF				Q-24
235557		HIDDEN FALLS PARK W.WELL	OFF	P.S.			
235619		SHRINERS HOSPITAL	OFF	P.S.			
235735		FLOUR CITY ARCHITECTURAL	OFF	COM			
236122		NWR	OFF	ABAND			Q-24
242162		301PB	OFF				
242207		SUNSET MEMORIAL CEMETARY	OFF				
265735		FLOUR CITY ARCH					
322664		ABBOTT NW HOSP					
405651		METAL-MATIC INC.	OFF	IND			
409546		PCA2L3	OFF	TEST			S-24
409547		PCA1U4	OFF	TEST			R-24

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
409548		PCA2U4	OFF	TEST			S-24
409549		PCA3U4	OFF	TEST			R-22
409550		PCA6U3	OFF	TEST			P-25
409555		PCA5U4	OFF	TEST			V-22
409556		PCA4L3	OFF	TEST			S-22
409557		PCA1L3	OFF	TEST			R-24
409595		B109U3	OFF	ABAND			R-24
409596		B118U3	OFF	MON			R-24
409597		B118L3	OFF	IND			R-24
409598		B117U3	OFF	ABAND			R-24
416143			OFF	ABAND			
416198		311U4	OFF	MON			
420713		HERBST LANDFILL	OFF	MON			
482083		K04-MW					
482084		K02-MW					
482085		K01-MW					
482086		I01-MW					
482087		I05-MW					
482088		I02-MW					
482089		I04-MW					
482090		I03-MW					
512761		GROSS GOLF #2					AA-22
519288		E101-MW					
519289		E102-MW					
519290		E103-MW					
519291		129-1501-MW					
520931		NEW BRIGHTON #13					T-24
		BOYLE					
		MW15D					
		MW15H					
		MW15S					

NOTES:

OFF =	Off - site (Entry signifies well log has been obtained)
ON =	On - site (Entry signifies well log has been obtained)
COM =	Commercial
DOM =	Domestic
IND =	Industrial
IRR =	Irrigation
MON =	Monitoring
MUNI =	Municipal
PIEZ =	Piezometer
P.S. =	Public Supply
TEST =	Test Well
UN =	Unknown
* =	Well has two different MN Unique Numbers
# =	Well info is in Miscellaneous section of this binder

APPENDIX C

Appendix C

FY 1994 Groundwater Level Monitoring Plan

Notes: Shading indicates that the water level measurement was not collected. Documentation for the missing data is provided in Appendix A.3. Parentheses following shaded areas indicate the Quarter when the water level was collected.

APPENDIX C

FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
A	01U038		---	X	---	X
	01U039		---	X	---	X
	01U040		---	X	---	X
	01U041		---	X	---	X
	01U063		---	X	---	X
	01U067		---	X	---	X
	01U102		---	X	---	X
	01U103		---	X	---	X
	01U104		---	X	---	X
	01U105		---	X	---	X
	01U106		---	X	---	X
	01U107		---	X	---	X
	01U108		---	X	---	X
	01U109		---	X	---	X
	01U110		---	X	---	X
	01U115		---	X	---	X
	01U116		---	X	---	X
	01U117		---	X	---	X
	01U118		---	X	---	X
	01U119		---	X	---	X
	01U120		---	X	---	X
	01U125		---	X	---	X
	01U126		---	X	---	X
	01U127		---	X	---	X
	01U133		---	X	---	X
	01U135		---	X	---	X
	01U136		---	X	---	X
	01U350 *		X	X	X	X
	01U901		---	X	---	X
	01U902		---	X	---	X
	03U023		---	X	---	X(A)

* - Well 01U350 will be measured monthly.
November '93, January '94, May '94, July '94, August '94

APPENDIX C

FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
B	01U011		---	X	---	---
	01U022		---	X	---	---
	01U033		---	X	---	---
	01U034		---	X	---	---
	01U035		---	X	---	---
	01U036		---	X	---	---
	01U037		---	X	---	---
	01U100		---	X	---	---
	01U101		---	X	---	---
	01U122		---	X	---	---
	03U011		---	X	---	X(A)
	03U022		---	X	---	X(A)
	03U082		---	X	---	X(A)
C	01U043		---	X	---	---
	01U045		---	X	---	---
	01U046		---	X	---	---
	01U085		---	X	---	---
	03U024		---	X	---	X(A)
	03U025		---	X	---	X(A)
	03U083		---	X	---	X(A)
D	03U017		---	X(A)	---	X(A)
	03U018		---	X(A)	---	X(A)
	03U093		---	X(A)	---	X(A)
	03U096		---	X(A)	---	X(A)
	03U316		---	X(A)	---	X(A)
	03U317		---	X(A)	---	X(A)
	03U716		---	X(A)	---	X(A)
	03M017		---	X(A)	---	X(A)
	03L017		---	X(A)	---	X(A)
	03L018		---	X(A)	---	X(A)

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FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
E	03U015		---	X	---	X(A)
	03U088		---	X	---	X(A)
	03U089		---	X	---	X(A)
	03U704		Refer to Gravel Pit area			
	519288	E101-MW	---	X	---	X(A)
	519289	E102-MW	---	X	---	X(A)
	519290	E103-MW	---	X	---	X(A)
F	03U019		---	X	---	X(A)
	03U026		---	X	---	---
	03U090		Refer to Site 129-15			
	03U092		---	X	---	X
	03U112		---	X	---	X(A)
	03U113		---	X	---	X(A)
	03U114		---	X	---	X
	03U121		---	X	---	---
	03L113		---	X	---	X(A)
	03L137		Refer to Bedrock Valley			
G	03U014		---	X(A)	---	X(A)
	03U020		---	X(A)	---	X(A)
	03U094		---	X(A)	---	X(A)
	03U314		---	X(A)	---	X(A)
	03U315		---	X(A)	---	X(A)
	03U715		---	X(A)	---	X(A)
	03M020		---	X(A)	---	X(A)
	03L014		---	X(A)	---	X(A)
	03L020		---	X(A)	---	X(A)
	04U020		---	X(A)	---	X(A)
	PJ#074		---	---	---	---
	PJ#508		Refer to Misc. Wells			

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FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
H	01U060		---	X	---	---
	01U098		---	X	---	---
	03U099		---	X	---	---
I	01U003		Refer to Site J			
	01U004		---	---	---	---
	01U053		Refer to Site J			
	01U054		---	---	---	---
	01U064		---	X(A)	---	X(A)
	01U132		---	---	---	---
	01U631		---	---	---	---
	01U632		---	---	---	---
	01U634		---	---	---	---
	01U635		---	---	---	---
	01U636		---	X(A)	---	X(A)
	01U638		---	---	---	---
	01U639		---	X(A)	---	X(A)
	01U640		---	X(A)	---	X(A)
	01U642		---	---	---	---
	01U652		---	---	---	---
	01U666		---	---	---	---
	01U667		---	---	---	---
	01U668		---	---	---	---
	01U675		---	---	---	---
	482086	I01-MW	---	X(A)	---	X(A)
	482088	I02-MW	---	X(A)	---	X(A)
	482090	I03-MW	---	X(A)	---	X(A)
	482089	I04-MW	---	X(A)	---	X(A)
	482087	I05-MW	---	X(A)	---	X(A)
	03U003		Refer to SW Boundary			
	03U004		---	X(A)	---	X(A)
	03U027		---	X(A)	---	X(A)
	03U028		---	X(A)	---	X(A)
	03U029		---	X(A)	---	X(A)
	03U030		---	X(A)	---	X(A)
	03U078		Refer to SW Boundary			
	03U079		Refer to SW Boundary			
	03U301		---	X(A)	---	X(A)
	OW543U3		---	X(A)	---	X(A)

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FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
I (CONT.)	03U647		---	X(A)	---	X(A)
	03U648		---	X(A)	---	X(A)
	03U658		---	X(A)	---	X(A)
	03U659		---	X(A)	---	X(A)
	03U672		Refer to SW Boundary			
	03U674		---	X(A)	---	X(A)
	03U675		---	---	---	---
	03U676		---	---	---	---
	03U703		Refer to SW Boundary			
	03U710		Refer to SW Boundary			
	03M003		Refer to SW Boundary			
	03M004		---	X(A)	---	X(A)
	03L003		Refer to SW Boundary			
	03L004		---	X(A)	---	X(A)
	03L027		---	X(A)	---	X(A)
	03L028		---	X(A)	---	X(A)
	03L029		---	X(A)	---	X(A)
	03L078		Refer to SW Boundary			
	03L079		Refer to SW Boundary			
	03L080		---	X(A)	---	X(A)
	03F302		---	X(A)	---	X(A)
	03F303		---	X(A)	---	X(A)
	03F312		---	X(A)	---	X(A)
	04U003		Refer to SW Boundary			
	04U027		---	X(A)	---	X(A)
	PJ#003		Refer to SW Boundary			
	PJ#027		---	X(A)	---	X(A)
J	01U003		---	X	---	---
	01U050		---	X	---	---
	01U051		---	X	---	---
	01U053		---	X	---	---
	01U054		---	X	---	---
	01U062		---	X	---	---
	01U524		---	X	---	---
	01U525		---	X	---	---
	01U526		---	X	---	---
	01U527		---	X	---	---

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FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
K	01U047		---	X(A)	---	X(A)
	01U048		---	X(A)	---	X(A)
	01U052		---	X(A)	---	X(A)
	01U065		---	X(A)	---	X(A)
	01U128		---	X(A)	---	X(A)
	01U601		---	X(A)	---	X(A)
	01U602		---	X(A)	---	X(A)
	01U603		---	X(A)	---	X(A)
	01U604		---	X(A)	---	X(A)
	01U605		---	X(A)	---	X(A)
	01U607		---	X(A)	---	X(A)
	01U608		---	X(A)	---	X(A)
	01U609		---	X(A)	---	X(A)
	01U611		---	X(A)	---	X(A)
	01U612		---	X(A)	---	X(A)
	01U613		---	X(A)	---	X(A)
	01U615		---	X(A)	---	X(A)
	01U616		---	X(A)	---	X(A)
	01U617		---	X(A)	---	X(A)
	01U618		---	X(A)	---	X(A)
	01U619		---	X(A)	---	X(A)
	01U620		---	X(A)	---	X(A)
	01U621		---	X(A)	---	X(A)
	01U622		---	X(A)	---	X(A)
	01U623		---	X(A)	---	X(A)
	01U624		---	X(A)	---	X(A)
	01U625		---	X(A)	---	X(A)
	01U626		---	X(A)	---	X(A)
	01U627		---	X(A)	---	X(A)
	01U628		---	X(A)	---	X(A)
	482085	K01-MW	---	X(A)	---	X(A)
	482084	K02-MW	---	X(A)	---	X(A)
	482083	K04-MW	---	X(A)	---	X(A)
	03U013		---	X(A)	---	X(A)
	03U075		---	X(A)	---	X(A)
	03U076		---	X(A)	---	X(A)
	03M013		---	X(A)	---	X(A)
	03L013		---	X(A)	---	X(A)
129-3	03U087		---	X	---	X(A)
	03U521		---	X	---	---

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FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
129-5	01U072		---	X	---	---
	03U097		---	X	---	---
	03U111		---	X	---	X(A)
	03U129		---	X	---	---
129-15	03U016		---	X	---	X(A)
	03U032		---	X	---	X
	03U090		---	X	---	X(A)
	03U124		---	X	---	X
	519291	1291501-MW	---	X	---	X
	03L091		---	X	---	---
SOUTHWEST BOUNDARY	01U050		Refer to Site J			
	01U051		Refer to Site J			
	01U053		Refer to Site J			
	01U062		---	X	---	---
	01U803		---	---	---	---
	01U805		---	---	---	---
	01U806		---	---	---	---
	01U807		---	---	---	---
	03U001		---	X(A)	---	X(A)
	03U002		---	X(A)	---	X(A)
	03U003		---	X(A)	---	X(A)
	03U021		---	X(A)	---	X(A)
	03U077		---	X(A)	---	X(A)
	03U078		---	X(A)	---	X(A)
	03U079		---	X(A)	---	X(A)
	03U084		---	X(A)	---	X(A)
	03U671		---	X(A)	---	X(A)
	03U672		---	X(A)	---	X(A)
	03U673 (3)		---	X(A)	X(A)	X(A)
	03U701		---	X(A)	---	X(A)
	03U702		---	X(A)	---	X(A)
	03U703		---	X(A)	---	X(A)
	03U708		---	X(A)	---	X(A)
	03U709		---	X(A)	---	X(A)
	03U710		---	X(A)	---	X(A)
	03U711		---	X(A)	---	X(A)
	03U801		---	X(A)	---	X(A)
	03U803		---	X	---	X
	03U804		---	X(A)	---	X(A)
	03U805		---	X(A)	---	X(A)

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FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
SOUTHWEST	03U806		---	X(A)	---	X(A)
BOUNDARY	234357	Phillips Pet.	Refer to Off-Post			
(CONT.)	409550	PCA 6U3	---	X	---	X(A)
	03M001		---	X(A)	---	X(A)
	03M002		---	X(A)	---	X(A)
	03M003		---	X(A)	---	X(A)
	03M713		---	X(A)	---	X(A)
	03M802		---	X(A)	---	X(A)
	03M806		---	X(A)	---	X(A)
	03L001		---	X(A)	---	X(A)
	03L002		---	X(A)	---	X(A)
	03L003		---	X(A)	---	X(A)
	03L021		---	X(A)	---	X(A)
	03L077		---	X(A)	---	X(A)
	03L078		---	X(A)	---	X(A)
	03L079		---	X(A)	---	X(A)
	03L084		---	X(A)	---	X(A)
	03L673 (3)		---	X(A)	X(A)	X(A)
	03L802		---	X(A)	---	X(A)
	03L806		---	X(A)	---	X(A)
	03L809		---	X(A)	---	X(A)
	03L833		---	X(A)	---	X(A)
	03F302		---	X(A)	---	X(A)
	03F303		---	X(A)	---	X(A)
	03F304		---	X(A)	---	X(A)
	03F305		---	X(A)	---	X(A)
	03F306		---	X(A)	---	X(A)
	03F307		---	X(A)	---	X(A)
	03F308		---	X(A)	---	X(A)
	03F312		---	X(A)	---	X(A)
	04U001		---	X(A)	---	X(A)
	04U002		---	X(A)	---	X(A)
	04U003		---	X(A)	---	X(A)
	04U077		---	X(A)	---	X(A)
	04U673 (3)		---	X(A)	X(A)	X(A)
	04U701		---	X(A)	---	X(A)
	04U702		---	X(A)	---	X(A)
	04U708		---	X(A)	---	X(A)
	04U709		---	X(A)	---	X(A)
	04U711		---	X(A)	---	X(A)
	04U713		---	X(A)	---	X(A)

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FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
SOUTHWEST BOUNDARY (CONT.)	04U714		---	X(A)	---	X(A)
	04U802		---	X(A)	---	X(A)
	04U806		---	X(A)	---	X(A)
	04U833		---	X(A)	---	X(A)
	234319	Hide & Tallow #1	Refer to Off-Post			
	04J077		---	X(A)	---	X(A)
	04J702		---	X(A)	---	X(A)
	04J708		---	X(A)	---	X(A)
	04J713		---	X(A)	---	X(A)
	04J714		---	X(A)	---	X(A)
	PJ#003		---	X(A)	---	X(A)
	PJ#309		---	X(A)	---	X(A)
	PJ#310		---	X(A)	---	X(A)
	PJ#311		---	X(A)	---	X(A)
	PJ#313		---	X(A)	---	X(A)
	PJ#802		---	X(A)	---	X(A)
	PJ#806		---	X(A)	---	X(A)
GRAVEL PIT	03U704		---	X(A)	---	X(A)
	03U705		---	X(A)	---	X(A)
	03U706		---	X(A)	---	X(A)
	03U707		---	X(A)	---	X(A)
	Staff Guage 1			X(A)		X(A)
	Staff Guage 2			X(A)		X(A)
	Staff Guage 3			X(A)		X(A)
BEDROCK VALLEY	03U005		---	X	---	X(A)
	03M005		---	X	---	X(A)
	03L005		---	X	---	X(A)
	03L081		---	X	---	X(A)
	03L137		---	X	---	X
	03L138		---	X	---	X

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Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
MISC. WELLS	01U012		---	X	---	---
	01U044		---	X	---	---
	01U130		---	X	---	---
	01U131		---	---	---	---
	03U006		---	X	---	X(A)
	03U007		---	X	---	X(A)
	03U008		---	X	---	X(A)
	03U009		---	X	---	X(A)
	03U010		---	X	---	X(A)
	03U012		---	X(A)	---	X(A)
	03U031		---	X(A)	---	X(A)
	03M007		---	X	---	X(A)
	03M010		---	X	---	X(A)
	03M012		---	X(A)	---	X(A)
	03L007		---	X	---	X(A)
	03L010		---	X	---	X(A)
	03L012		---	X(A)	---	X(A)
	03L086		---	X	---	---
	04U007		---	X	---	X(A)
	04U012		---	X(A)	---	X(A)
	04U510		---	X	---	X(A)
	PJ#501		---	---	---	---
	PJ#502		---	---	---	---
	PJ#503		---	---	---	---
	PJ#506		---	---	---	---
	PJ#507		---	---	---	---
	PJ#508		---	---	---	---

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FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
OFF-POST	01U803		---	---	---	---
(Lacustrine)	01U807		---	---	---	---
(Deposits)	01U813		---	---	---	---
	01U901		Refer to Site A			
	01U902		Refer to Site A			
	01L811		---	X	---	---
	01L813		---	X	---	---
	01L816		---	X	---	---
	01L821		---	X	---	---
	01L822		---	X	---	---
	01L823		---	X	---	---
(Hillside) (Formation)	234425	Gerebi	Denied Access			
(Upper Hillside)	03U672		Refer to SW Boundary Area			
(Formation)	03U673		Refer to SW Boundary Area			
	03U711		Refer to SW Boundary Area			
	03U801		Refer to SW Boundary Area			
	03U803		Refer to SW Boundary Area			
	03U804		Refer to SW Boundary Area			
	03U805		Refer to SW Boundary Area			
	03U806		Refer to SW Boundary Area			
	03U811		---	X	---	---
	03U815		---	X	---	---
	03U821		---	X	---	---
	03U822		---	X	---	---
	03U824		---	X	---	---
	03U831		---	X	---	---
	03U832 (3)		---	X(A)	X(A)	X(A)
	234352	1206 12th Av. NW	---	---	---	---
	409550	PCA6U3	Refer to SW Boundary Area			
	409596	BS118U3	---	X	---	---
(Middle Hillside)	03M802		Refer to SW Boundary Area			
(Formation)	03M806		Refer to SW Boundary Area			
	03M843		---	X	---	X
	03M848 (3)		---	X(A)	X(A)	X(A)

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FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
OFF-POST (CONT.) (Lower Hillside) (Formation)	03L673		Refer to SW Boundary Area			
	03L802		Refer to SW Boundary Area			
	03L806		Refer to SW Boundary Area			
	03L809		---	X(A)	---	X(A)
	03L811		---	X	---	---
	03L813		---	X	---	---
	03L822		---	X	---	---
	03L832 (3)		---	X(A)	X(A)	X(A)
	03L841 (3)		---	X(A)	X(A)	X(A)
	03L846		---	X	---	---
	03L848 (3)		---	X(A)	X(A)	X(A)
	03L853		---	X	---	---
	03L854 (3)		---	X(A)	X(A)	X(A)
	03L856		---	X	---	---
	03L858		---	X	---	---
	03L859 (3)		---	X(A)	X(A)	X(A)
	03L860 (3)		---	X(A)	X(A)	X(A)
	03L861 (3)		---	X(A)	X(A)	X(A)
	409546 (3)	PCA2L3	---	X(A)	X(A)	X(A)
	409556	PCA4L3	---	X	---	---
	409557 (3)	PCA1L3	---	X(A)	X(A)	X(A)
	409597	BS118L3	---	X	---	---
	(3)	MW15H	---	X(A)	X(A)	X(A)
(Lower Hillside) (Prairie du Chien) (Formation)	206787	MV High School	Not Accessible			
(St. Peter) (Formation)	200814	Amer. Linen	---	---	---	
(St. Peter) (Prairie du Chien) (Jordan) (Formation)	233222	Lowry Gr. Trail.	---	---	---	---

APPENDIX C

FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
OFF-POST	04U673		Refer to SW Boundary Area			
(CONT.)	04U711		Refer to SW Boundary Area			
(Prairie du Chien)	04U802		Refer to SW Boundary Area			
(Formation)	04U806		Refer to SW Boundary Area			
	04U821		---	X	---	X
	04U832 (3)		---	X(A)	X(A)	X(A)
	04U834		---	X	X	X
	04U841 (3)		---	X(A)	X(A)	X(A)
	04U843		---	X	---	---
	04U844		---	X(A)	X(A)	X(A)
	04U845 (3)		---	X(A)	X(A)	X(A)
	04U846 (3)		---	X(A)	X(A)	X(A)
	04U847		---	X	---	X
	04U848 (3)		---	X(A)	X(A)	X(A)
	04U849		---	X	---	---
	04U850		---	X	---	---
	04U851 (3)		---	X(A)	X(A)	X(A)
	04U852 (3)		---	X(A)	X(A)	X(A)
	04U854		---	X	X(A)	X(A)
	04U855		---	X	---	---
	04U859 (3)		---	X(A)	X(A)	X(A)
	04U860 (3)		---	X(A)	X(A)	X(A)
	04U861 (3)		---	X(A)	X(A)	X(A)
	04U871		---	X	---	---
	04U872		---	X	---	---
	04U875		---	X	---	---
	04U877 (3)		---	X(A)	X(A)	X(A)
	04U879		---	X	---	---
	04U880		---	X	---	---
	04U881		---	X	---	---
	04U882		---	X	---	---
	04U883		---	X	---	---
	200154	UM Golf Course	---	---	---	---
	206688	Cloverpond	Denied Access			
	233533	Roselawn Cem.	---	---	---	---
	234319	Hide & Tallow #1	---	---	---	---
	234547	Hnywell Ridgway	Not Accessible			
	409547 (3)	PCA1U4	---	X	X(A)	X(A)
	409548 (3)	PCA2U4	---	X(A)	X(A)	X(A)
	409549	PCA3U4	---	X(A)	X(A)	X(A)
	409555	PCA5U4	---	X	---	---
	500691 (3)	414U4	---	X(A)	X(A)	X(A)
	508115 (3)	322U4	Well Abandoned			
	(3)	323U4	---	X(A)	X(A)	X(A)
	(3)	324U4	---	X(A)	X(A)	X(A)
	(3)	325U4	---	X(A)	X(A)	X(A)

APPENDIX C

FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
OFF-POST	(3)	326U4	---	X(A)	X(A)	X(A)
(CONT.)	512761	Gross Golf Course #2	---	X(2)	---	---
(Prairie du Chien)	PJ#318		---	X	---	---
(Jordan)	PJ#802		Refer to SW Boundary Area			
(Formation)	PJ#806		Refer to SW Boundary Area			
	200148	Paper Calmenson	Pump Decommissioned - No Access			
	200804	St. Anthony #3	Denied Access			
	200812	Gross Golf	Not Accessible			
	206793	New Brighton #3	Not Accessible			
	235539	Old Hotel	---	---	---	---
	(3)	03U Extraction Well	---	X(A)	X(A)	X(A)
(Jordan)	04J834		---	X	---	X
(Formation)	04J835		---	X	---	X
	04J882		---	X	---	X
	200076	Old Dutch	---	X(2)	---	---
	201082	NW Hospital	---	---	---	---
	200524	St. Anthony #5	Denied Access			
	200803	St. Anthony #4	Denied Access			
	206791	New Brighton #7	Not Accessible			
	206797	New Brighton #6	---	X(2)	---	---
	231845	MNDOT	Not Accessible			
		324J	---	X(A)	X(A)	X(A)
		326J	---	X(A)	X(A)	X(A)
(Prairie du Chien) (Jordan) (St. Lawrence) (Formation)	233221	Reuben Meats	Not Accessible			
(Mt. Simon)		New Brighton #8	---	X	---	X
(Hinkley)		New Brighton #9	---	X	---	X
(Formation)		New Brighton #10	---	X	---	X
		New Brighton #11	---	X	---	X

APPENDIX C

FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q41 12/6/93	Q42 3/7/94	Q43 6/6/94	Q44 9/5/94
OFF-POST		New Brighton #4	---	X	---	X
(CONT.)		New Brighton #5	---	X	---	X
(Unknown)		New Brighton #12	---	X	---	X
(Formation)	134318	Seutter	---	---	---	---
	191942	Model Stone	---	---	---	---
	200264		---	---	---	---
	234335	Mengelkoch #1	---	---	---	---
	234337	Mengelkoch #3	---	---	---	---
	234353	Lentsch Ice	---	---	---	---
	234356	Nordquist P43	---	---	---	---
	234357	Phillips Pet.	---	---	---	---
	234430	Cmiel	---	---	---	---
	234463	Solie	---	---	---	---
	234546	Hnywell Ridgway	Not Accessible			
	405651	Metal-Matic	Not Accessible			
	BOYLE		---	---	---	---

NOTES:

(1) "X" denotes a water level measurement.

(2) Water level will be measured if the wellhead is accessible.

(3) Well to be used for performance monitoring of the 0U3 groundwater recovery system which is scheduled to be in operation during FY 94. Water levels will be measured at these wells quarterly during the first two years of operation. In addition, water levels will be measured daily for the first week, and monthly for the first quarter of operation.

(A) Indicates that the sampling will be conducted by Alliant Technosystems, Inc.

APPENDIX D

Appendix D

FY 1994 Groundwater Quality Monitoring Plan

Notes: Shading indicates that the water level measurement was not collected. Documentation for the missing data is provided in Appendix A.3. Parentheses following shaded areas indicate the Quarter when the sample was collected.

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Frequency and Parameters (1)											
		Q41			Q42			Q43			Q44		
		10/24/93	11/01/93	12/06/93	01/03/94	02/07/94	03/07/94	04/04/94	05/02/94	06/06/94	07/11/94	08/01/94	09/05/94
A	01U038	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U039	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U040	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U041	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U063	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U067	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U102	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U103	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U104	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U105	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U106	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U107	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U108	---	---	---	---	---	1,2,3,7,9,#	---	---	1,7	---	---	1,7
	01U109	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U110	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U115	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U116	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U117	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U118	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U119	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U120	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U125	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U126	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U127	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U133	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U135	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U136	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U137	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U138	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U139	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U140	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U141	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U157	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U158	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U350	1,*	1,*	1,*	1,*	1,*	1,2,3,7,9,#	1,*	1, *	1,7,*	1,*	1,*	1,7, *
	01U351	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U352	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U353	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U354	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U355	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U356	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U357	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U358	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	01U901	---	---	---	---	---	1,2,3,7,9,#	---	---	7	---	---	7
	01U902	1	1	1	1	1	1,2,3,7,9,#	1	1	1,7	1	1	1,7
	01U903	---	---	---	---	---	2,3,9,#, 7	---	---	7	---	---	7
	01U904	---	---	---	---	---	2,3,7,9,#	---	---	7	---	---	7
	03U023	---	---	---	---	---	1	---	---	---	---	---	---

= Co, Va
* = As, Ba, Cd, Cr, Pb, Ni

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
B	01U011		---	---	---	---
	01U022		---	---	---	---
	01U033		---	---	---	---
	01U034		---	---	---	---
	01U035		---	---	---	---
	01U036		---	1	---	---
	01U037		---	---	---	---
	01U100		---	---	---	---
	01U101		---	---	---	---
	01U122		---	---	---	---
	03U011		---	---	---	---
	03U022		---	---	---	---
	03U082 (4)		---	---	---	---
C	01U043		---	---	---	---
	01U045 (3)		---	4	---	---
	01U046		---	---	---	---
	01U085		---	1	---	---
	03U024		---	---	---	---
	03U025		---	---	---	---
	03U083		---	1, 7	---	---
D	03U017		---	1(A)	---	---
	03U018		---	1(A)	---	---
	03U093		---	1(A)	---	1(A)
	03U096		---	1(A)	---	---
	03U316		---	1(A)	---	1(A)
	03U317		---	1(A)	---	1(A)
	03U716		---	---	---	---
	03M017		---	1(A)	---	---
	03L017		---	1(A)	---	---
	03L018		---	1(A)	---	---

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
E	03U015		---	1	---	---
	03U088		---	---	---	---
	03U089		---	1	---	---
	03U704		Refer to Gravel Pit Area			
	519288 (7)	E101-MW	---	1	---	---
	519289 (7)	E102-MW	---	1	---	---
	519290 (7)	E103-MW	---	1	---	---
F	03U019		---	1	---	---
	03U026		---	1	---	---
	03U090		Refer to Site 129-15			
	03U092		---	1	---	---
	03U112		---	1,4 [Q44]	---	---
	03U113		---	1	---	---
	03U114		---	1	---	---
	03U121		---	1,4 [Q44]	---	---
	03L113		---	1	---	---
	03L137		Refer to Bedrock Valley			
G	03U014		---	1(A)	---	---
	03U020		---	1(A)	---	---
	03U094		---	1(A)	---	---
	03U314		---	1(A)	---	1(A)
	03U315		---	1(A)	---	1(A)
	03U715		---	---	---	---
	03M020		---	1(A)	---	---
	03L014		---	---	---	---
	03L020		---	---	---	---
	04U020		---	1(A)	---	---
	PJ#074		---	---	---	---
	PJ#508		Refer to Misc. Wells			

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
H	01U060		---	---	---	---
	01U098		---	1	---	---
	03U099		---	1	---	---
I	01U003		Refer to Site J			
	01U004		---	---	---	---
	01U053		Refer to Site J			
	01U054		---	---	---	---
	01U064		---	1(A)	---	---
	01U132		---	---	---	---
	01U631		---	---	---	---
	01U632		---	---	---	---
	01U634		---	---	---	---
	01U635		---	---	---	---
	01U636		---	1.5(A)	---	---
	01U638		---	---	---	---
	01U639		---	1(A)	---	---
	01U640		---	1.5(A)	---	---
	01U642		---	---	---	---
	01U652		---	---	---	---
	01U666		---	---	---	---
	01U667		---	---	---	---
	01U668		---	---	---	---
	01U675		---	---	---	---
	482086 (7)	I01-MW	---	1(A)	---	---
	482088 (7)	I02-MW	---	1(A)	---	---
	482090 (7)	I03-MW	---	1(A)	---	---
	482089 (7)	I04-MW	---	1(A)	---	---
	482087 (7)	I05-MW	---	1(A)	---	---
	03U003		Refer to SW Boundary			
	03U004		---	1(A)	---	---
	03U027		---	1(A)	---	---
	03U028		---	1(A)	---	---
	03U029		---	1(A)	---	---
	03U030		---	1(A)	---	---
	03U078		Refer to SW Boundary			
	03U079		Refer to SW Boundary			
	03U301		---	1(A)	---	1(A)

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FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
I (CONT.)	03U647		---	---	---	---
	03U648		---	---	---	---
	03U658		---	1(A)	---	---
	03U659		---	1(A)	---	---
	03U672		Refer to SW Boundary			
	03U674		---	---	---	---
	03U675		---	---	---	---
	03U676		---	---	---	---
	03U703		Refer to SW Boundary			
	03U710		Refer to SW Boundary			
	03M003		Refer to SW Boundary			
	03M004		---	---	---	---
	03L003		Refer to SW Boundary			
	03L004		---	---	---	---
	03L027		---	---	---	---
	03L028		---	---	---	---
	03L029		---	---	---	---
	03L078		Refer to SW Boundary			
	03L079		Refer to SW Boundary			
	03L080		---	1(A)	---	---
	03F302		Refer to SW Boundary			
	03F303		Refer to SW Boundary			
	03F312		Refer to SW Boundary			
	04U003		Refer to SW Boundary			
	04U027		---	1(A)	---	---
	PJ#003		Refer to SW Boundary			
	PJ#027		---	---	---	---

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
J	01U003		---	---	---	---
	01U050		---	---	---	---
	01U051		---	---	---	---
	01U053		---	---	---	---
	01U054		---	---	---	---
	01U062		---	---	---	---
	01U524		---	---	---	---
	01U525		---	---	---	---
	01U526		---	1	---	---
	01U527		---	---	---	---
K	01U047		---	---	---	---
	01U048		---	---	---	---
	01U052		---	---	---	---
	01U065		---	---	---	---
	01U128		---	1(A)	---	---
	01U601		---	---	---	---
	01U602		---	---	---	---
	01U603		---	---	---	---
	01U604		---	1(A)	---	---
	01U605		---	---	---	---
	01U607		---	---	---	---
	01U608		---	---	---	---
	01U609		---	---	---	---
	01U611		---	1(A)	---	---
	01U612		---	---	---	---
	01U613		---	---	---	---
	01U615		---	1(A)	---	---
	01U616		---	---	---	---
	01U617		---	1(A)	---	1(A)
	01U618		---	1(A)	---	---
	01U619		---	1(A)	---	---
	01U620		---	---	---	---
	01U621		---	1(A)	---	1(A)
	01U622		---	---	---	---
	01U623		---	---	---	---
	01U624		---	---	---	---
	01U625		---	---	---	---
	01U626		---	---	---	---
	01U627		---	---	---	---

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FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
K (CONT.)	01U628		---	---	---	---
	482085 (7)	K01-MW	---	1(A)	---	---
	482084 (7)	K02-MW	---	1(A)	---	---
	482083 (7)	K04-MW	---	1(A)	---	---
	03U013		---	---	---	---
	03U075		---	1(A)	---	---
	03U076		---	---	---	---
	03M013		---	---	---	---
	03L013		---	---	---	---
129-3	03U087		---	1,4	---	---
	03U521		---	---	---	---
129-5	01U072		---	---	---	---
	03U097		---	1	---	---
	03U111		---	---	---	---
	03U129		---	---	---	---
129-15	03U016		---	1	---	---
	03U032		---	1	---	---
	03U090		---	1	---	---
	03U124		---	1	---	---
	519291 (7)	1291501-MW	---	1	---	---
	03L091		---	1	---	---

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
SOUTHWEST BOUNDARY	01U050		Refer to Site J			
	01U051		Refer to Site J			
	01U053		Refer to Site J			
	01U062		---	---	---	---
	01U803		---	---	---	---
	01U805		---	---	---	---
	01U806		---	---	---	---
	01U807		---	---	---	---
	03U001		---	---	---	---
	03U002		---	---	---	---
	03U003		---	1(A)	---	1(A)
	03U021		---	1(A)	---	---
	03U077		---	1(A)	---	---
	03U078		---	1(A)	---	---
	03U079		---	1(A)	---	---
	03U084		---	1(A)	---	---
	03U671		---	1(A)	---	---
	03U672		---	1(A)	---	1(A)
	03U673		---	1(A)	1(A)	1(A)
	03U701		---	1(A)	---	---
	03U702		---	1(A)	---	---
	03U703		---	1(A)	---	---
	03U708		---	1(A)	---	---
	03U709		---	1(A)	---	---
	03U710		---	1(A)	---	---
	03U711		---	1(A)	---	1(A)
	03U801		---	1(A)	---	---
	03U803		---	---	---	---
	03U804		---	1(A)	---	---
	03U805		---	1(A)	---	---
	03U806		---	1(A)	---	1(A)
	234357	Phillips Pet.	Refer to Off-Post			

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FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
SOUTHWEST BOUNDARY (CONT.)	03M001		---	---	---	---
	03M002		---	---	---	---
	03M003		---	---	---	---
	03M713		---	1(A)	---	---
	03M802		---	1(A)	---	---
	03M806		---	1(A)	---	---
	03L001		---	1(A)	---	1(A)
	03L002		---	1(A)	---	---
	03L003		---	---	---	---
	03L021		---	1(A)	---	---
	03L077		---	1(A)	---	---
	03L078		---	1(A)	---	---
	03L079		---	1(A)	---	---
	03L084		---	1(A)	---	---
	03L673		---	1(A)	1(A)	1(A)
	03L802		---	1(A)	---	1(A)
	03L806		---	1(A)	---	1(A)
	03L809		---	1(A)	---	1(A)
	03L833 (7)		---	1(A)	---	1(A)
	03F302		---	1(A)	---	1(A)
	03F303		---	1(A)	---	1(A)
	03F304		---	1(A)	---	1(A)
	03F305		---	1(A)	---	1(A)
	03F306		---	1(A)	---	1(A)
	03F307		---	1(A)	---	1(A)
	03F308		---	1(A)	---	1(A)
	03F312		---	1(A)	---	1(A)
	04U001		---	1(A)	---	1(A)
	04U002		---	1(A)	---	---
	04U003		---	1(A)	---	1(A)
	04U077		---	1(A)	---	---
	04U673		---	1(A)	1(A)	1(A)
	04U701		---	1(A)	---	---
	04U702		---	1(A)	---	---
	04U708		---	1(A)	---	---
	04U709		---	1(A)	---	---
	04U711		---	1(A)	---	1(A)
	04U713		---	1(A)	---	---
	04U714		---	1(A)	---	1(A)

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
SOUTHWEST BOUNDARY (CONT.)	04U802		---	1(A)	---	---
	04U806		---	1(A)	---	1(A)
	04U833 (7)		---	1(A)	---	1(A)
	234319	Hide & Tallow #1	Refer to Off-Post			
	04J077		---	1(A)	---	---
	04J702		---	1(A)	---	---
	04J708		---	1(A)	---	---
	04J713		---	1(A)	---	---
	04J714		---	1(A)	---	1(A)
	PJ#003		---	1(A)	---	---
	PJ#309		---	1(A)	---	1(A)
	PJ#310		---	1(A)	---	1(A)
	PJ#311		---	1(A)	---	1(A)
	PJ#313		---	1(A)	---	1(A)
	PJ#802		---	---	---	---
	PJ#806		---	1(A)	---	---
GRAVEL PIT	03U704		---	1(A)	---	---
	03U705		---	1(A)	---	1(A)
	03U706		---	1(A)	---	---
	03U707		---	1(A)	---	---
BEDROCK VALLEY	03U005		---	1	---	---
	03M005		---	1	---	---
	03L005		---	1	---	---
	03L081		---	1	---	---
	03L137		---	---	---	---
	03L138		---	1	---	---

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
MISC. WELLS	01U012		---	---	---	---
	01U044		---	---	---	---
	01U130		---	---	---	---
	01U131		---	---	---	---
	03U006		---	---	---	---
	03U007 (4)		---	---	---	---
	03U008		---	---	---	---
	03U009 (4)		---	---	---	---
	03U010		---	---	---	---
	03U012		---	---	---	---
	03U031		---	1(A)	---	---
	03M007		---	---	---	---
	03M010		---	---	---	---
	03M012		---	---	---	---
	03L007 (4)		---	---	---	---
	03L010		---	---	---	---
	03L012		---	---	---	---
	03L086		---	---	---	---
	04U007 (4)		---	---	---	---
	04U012		---	---	---	---
	04U510 (4)		---	---	---	---
	PJ#501		---	---	---	---
	PJ#502		---	---	---	---
	PJ#503		---	---	---	---
	PJ#506		---	---	---	---
	PJ#507		---	---	---	---
	PJ#508		---	---	---	---

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
OFF-POST	01U803		---	---	---	---
(Lacustrine)	01U807		---	---	---	---
(Deposits)	01U813		---	---	---	---
	01U901		Refer to Site A			
	01U902		Refer to Site A			
	01L811		---	---	---	---
	01L813		---	---	---	---
	01L816		---	---	---	---
	01L821		---	---	---	---
	01L822		---	---	---	---
	01L823		---	---	---	---
(Hillside) (Formation)	234425	Gerebi	Denied Access			
(Upper Hillside)	03U672		Refer to SW Boundary Area			
(Formation)	03U673		Refer to SW Boundary Area			
	03U711		Refer to SW Boundary Area			
	03U801		Refer to SW Boundary Area			
	03U803		Refer to SW Boundary Area			
	03U804		Refer to SW Boundary Area			
	03U805		Refer to SW Boundary Area			
	03U806		Refer to SW Boundary Area			
	03U811		---	1	---	---
	03U815		---	---	---	---
	03U821		---	1	---	---
	03U822		---	1	---	---
	03U824		---	1	---	---
	03U831		---	1	---	---
	03U832		---	1	---	---
	234352	1206 12th Av NW	---	1 [Q43]	---	---
	409550	PCA6U3	---	1	---	1
	409596	BS118U3	---	1	---	---
(Middle Hillside)	03M802		Refer to SW Boundary Area			
(Formation)	03M806		Refer to SW Boundary Area			
	03M843		---	1	---	---
	03M848		---	1	---	---

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
OFF-POST	03L673		Refer to SW Boundary Area			
(CONT.)	03L802		Refer to SW Boundary Area			
(Lower Hillside)	03L806		Refer to SW Boundary Area			
(Formation)	03L809		Refer to SW Boundary Area			
	03L811		---	1	---	---
	03L813		---	---	---	---
	03L822		---	1	---	---
	03L832 (5)		---	1(A)	1(A)	1(A)
	03L841		---	1	---	---
	03L846		---	1	---	---
	03L848 (5)		---	1(A)	1(A)	1(A)
	03L853		---	1	---	---
	03L854		---	1	---	---
	03L856		---	1	---	---
	03L858		---	1	---	---
	03L859		---	1	---	---
	03L860 (5)		---	1(A)	1(A)	1(A)
	03L861 (5)		---	1(A)	1(A)	1(A)
	409546	PCA2L3	---	1	---	---
	409556	PCA4L3	---	1	---	---
	409557	PCA1L3	---	1	---	---
	409597	BS118L3	---	1	---	---
	(6)	MW15H	---	1(A)	1(A)	1(A)
(Lower Hillside) (Prairie du Chien) (Formation)	206787	MV High School	---	1 [Q43]	---	---
(St. Peter) (Formation)	200814	Amer. Linen	---	---	---	
(St. Peter) (Prairie du Chien) (Jordan Formation)	233222	Lowry Gr. Trail.	---	---	---	---

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
OFF-POST	04U673		Refer to SW Boundary Area			
(CONT.)	04U711		Refer to SW Boundary Area			
(Prairie du Chien)	04U802		Refer to SW Boundary Area			
(Formation)	04U806		Refer to SW Boundary Area			
	04U821		---	1	---	---
	04U832 (5)		---	1(A)	1(A)	1(A)
	04U841		---	1	---	---
	04U843		---	1	---	---
	04U834 (7)		---	1	---	---
	04U844		---	1 [Q43]	---	---
	04U845 (5)		---	1(A)	1(A)	1(A)
	04U846		---	1	---	---
	04U847		---	1	---	1
	04U848 (5)		---	1(A)	1(A)	1(A)
	04U849		---	1	---	---
	04U850		---	1	---	---
	04U851 (5)		---	1(A)	1(A)	1(A)
	04U852		---	1	---	---
	04U854 (5)		---	1(A)	1(A)	1(A)
	04U855		---	1	---	---
	04U859		---	1	---	---
	04U860 (5)		---	1(A)	1(A)	1(A)
	04U861 (5)		---	1(A)	1(A)	1(A)
	04U871		---	1	---	---
	04U872		---	1	---	---
	04U875		---	1	---	---
	04U877		---	1	---	---
	04U879		---	1	---	---
	04U880		---	1	---	---
	04U881		---	1	---	---
	04U882		---	1	---	1
	04U883		---	1	---	---
	200154	UM Golf Course	---	---	---	---
	206688	Cloverpond	Denied Access			
	206797	New Brighton #6	---	1	---	---
	233221	Reuben Meats	---	---	---	---
	233533	Roselawn Cem.	---	---	---	---
	234319	Hide & Tallow #1	---	---	---	---
	234547	Hnywell Ridgway	---	1	---	---
	409547	PCA1U4	---	1	---	---
	409548	PCA2U4	---	1	---	---
	409549	PCA3U4	---	1	---	---

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
OFF-POST	409555	PCA5U4	---	1	---	---
(CONT.)	500691 (6)	414U4	---	1(A)	1(A)	1(A)
	508115 (6)	322U4	Well Abandoned			
	(6)	323U4	---	1(A)	1(A)	1(A)
	(6)	324U4	---	1(A)	1(A)	1(A)
	(6)	325U4	---	1(A)	1(A)	1(A)
	(6)	326U4	---	1(A)	1(A)	1(A)
	512761	Gross Golf Course #2	---	1 [Q43]	---	---
(Prairie du Chien)	PJ#318		---	1	---	
(Jordan)	PJ#802		Refer to SW Boundary Area			
(Formation)	PJ#806		Refer to SW Boundary Area			
	200148	Paper Calmenson	Pump Decommissioned - No Access			
	200804	St. Anthony #3	Denied Access			
	200812	Gross Golf	---	1 [Q43]	---	1
	235539	Old Hotel	---	---	---	---
		0U3 Extraction Well	1(A)	1(A)	1(A)	1(A)
(Jordan)	04J834 (7)		---	1	---	---
(Formation)	04J835 (7)		---	1	---	---
	04J882 (7)		---	1	---	---
	200076	Old Dutch	---	1	---	---
	200524	St. Anthony #5	Denied Access			
	200803	St. Anthony #4	Denied Access			
	201082	NW Hospital	---	---	---	---
	206791	New Brighton #7	---	1	---	---
	231845	MNDOT	---	---	---	---
	(6)	324 J	---	1(A)	1(A)	1(A)
	(6)	326 J	---	1(A)	1(A)	1(A)
(Prairie du Chien) (Jordan/St. Lawrence) (Formation)	206793	New Brighton #3	---	1	---	---
(Mt. Simon)	(8)	New Brighton #8	---	1	---	---
(Hinkley)	(8)	New Brighton #9	---	1	---	---
(Formation)	(8)	New Brighton #10	---	1	---	---
	(8)	New Brighton #11	---	1	---	---

APPENDIX D

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q41 12/06/93	Q42 03/07/94	Q43 06/06/94	Q44 09/05/94
OFF-POST	134318	Seutter	---	---	---	---
(CONT.)	191942	Model Stone	---	---	---	---
(Unknown)	200264		---	---	---	---
(Formation)	234335	Mengelkoch #1	---	---	---	---
	234337	Mengelkoch #3	---	---	---	---
	234353	Lentsch Ice	---	---	---	---
	234356	Nordquist P43	---	---	---	---
	234357	Phillips Pet.	---	---	---	---
	234430	Cmiel	---	---	---	---
	234463	Solie	---	---	---	---
	234546	Hnywell Ridgway	---	1	---	---
	405651	Metal-Matic	---	---	---	---
	(8)	New Brighton #4	---	1	---	---
	(8)	New Brighton #5	---	1	---	---
	(8)	New Brighton #12	---	1	---	---
	BOYLE		---	---	---	---

NOTES:

(1) The numbers represent analytical parameter categories. The individual parameters within each category are outlined in Appendix E.

(2) The following metals; Arsenic, Barium, Cadmium, Chromium, Lead and Nickel are being sampled for and not the entire Category 2 parameter list.

(3) Just Total Phosphates from Category 4 will be analyzed.

(4) Monitoring for Category 1 to be conducted once every other year, with the next sampling event scheduled for FY 94.

(5) Well to be used for performance monitoring of the 0U3 groundwater recovery system which is scheduled to be in operation during FY 94. Following the first year of operation, these wells will be sampled annually (March).

(6) Well to be used for performance monitoring of the 0U3 groundwater recovery system which is scheduled to be in operation during FY 94. Following the first year of operation, these wells will be sampled semi-annually (March and September).

(7) Sampling for parameters other than Category 1 may be added as a part of the feasibility study.

(8) Sample for Category 1 if in production at time of sample collection.

(A) Indicates that the sampling will be conducted by Alliant Techsystems, Inc.

APPENDIX E

Appendix E

Groundwater Monitoring Chemical Analysis Categories

USATHAMA CHEMICAL ANALYSIS CATEGORIES

CATEGORY 1

Carbon Tetrachloride	CCL4
Chloroform	CHCL3
Methylene Chloride	CH2CL2
Vinyl Chloride	C2H3CL
Tetrachloroethylene	TCLEE
Trichloroethylene	TRCLE
1,1-Dichloroethylene	11DCE
1,1-Dichloroethane	11DCLE
1,1,1-Trichloroethane	111TCE
1,1,2-Trichlorethane	112TCE
1,1,2-Trichlorotrifluoroethane	TCLTFE
1,2-Dichloroethylene	12DCE
1,2-Dichloroethane	12DCLE
1,2-Dichloropropane	12DCLP

CATEGORY 2

Antimony	SB
Arsenic	AS
Barium	BA
Beryllium	BE
Cadmium	CD
Chromium	CR
Copper	CU
Lead	PB
Manganese	MN
Nickel	NI
Selenium	SE
Silver	AG
Thallium	TL

CATEGORY 3

Mercury	HG

CATEGORY 4

Cyanide	CYN
Nitrate/Nitrite	NIT
Orthophosphate	PO4ORT
Total Phosphates	TPO4

USATHAMA CHEMICAL ANALYSIS CATEGORIES
(continued)

CATEGORY 5

Dibutylchlorenadate	DBUCLE
PCB1016	PCB016
PCB1242	PCB242
PCB1248	PCB248
PCB1254	PCB254
PCB1260	PCB260

CATEGORY 6

Nitrobenzene	NBD5
Phenol-D6	PHEND6
Terphenyl-D14	TRPD14
Toluene	MEC6D8
2-Fluorobiphenyl	2FBP
2-Fluorophenol	2FP
1,2-Dichloroethane-D4	12DCD4
4-Bromofluorobenzene	4BFB
2,4,6-Tribromophenol	246TBP

CATEGORY 7

Benzene	C6H6
Toluene	MEC6H5
Total Xylenes	TXYLEN

CATEGORY 8

Radionuclides

CATEGORY 9

Zinc	Zn

CATEGORY 10

Miscellaneous, Non-Specific

APPENDIX F

Appendix F

TGRS Hydraulic Data

Appendix F.1

Historical TGRS, TCAAP Groundwater Elevations (Ft. AMSL)

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D. ON TCAAP	*TOC Elevation*	*04/02/87*	*09/08/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*01/11/88*	*05/02/88*	*05/20/88*	*06/23/88*	*07/27/88*	*09/01/88*
03U001	891.20	852.02		849.70	849.31	849.70	849.42	849.72	849.46	848.82	846.24	845.16	844.82
03M001	890.76	852.63	849.40	849.77	849.36	849.76	849.47	849.88	849.52	848.90	846.44	845.51	845.06
03L001	891.37	852.69	849.42	849.70	849.32	849.71	849.41	849.67	849.52	848.87	846.42	845.22	844.86
04U001	891.28	852.04		849.58	849.21	849.58	849.28	849.55	849.38	848.73	846.28	845.12	844.76
03U002	919.89	855.62	852.55	851.34	850.94	851.00	850.76	851.20	851.53	850.84	850.22	848.91	847.51
03M002	922.40	855.29	852.50	850.67	850.35		850.35	850.66	850.94	850.43	849.46	848.35	847.89
03L002	922.21	855.24	852.44	850.60	850.26	850.68	850.29	850.61	850.90	850.34	849.38	848.30	847.84
04U002	923.18	855.02	852.33	850.55	850.22	850.57	850.23	850.58	850.82	850.29	849.26	848.09	847.73
03U003	945.00			852.82	852.47	852.56	852.42	852.26	853.42	852.77	852.34	850.84	849.44
03M003	945.55	856.93	854.24	852.75	849.50		852.40	852.35	853.31	852.68	852.15	850.75	849.35
03L003	946.83	857.01	854.24	852.78	852.65	852.63	852.48	852.62	853.20	852.68	851.95	850.55	849.27
04U003	946.07	853.95	850.93	849.92	849.75	849.84	849.65	850.02	850.08	849.62	848.44	847.59	846.45
PJ#003	946.47						849.20		849.60	849.05	946.47	846.50	845.77
03U004	953.00	860.67	857.42	857.02	856.77	856.94	856.72	857.05	857.32	856.90	855.93	854.55	853.34
03M004	952.55	859.00	856.12	855.67	855.39	855.56	855.35	855.74	855.91	855.50	854.49	853.10	851.95
03L004	952.02	857.98	855.09	854.63	854.37	854.54	854.32	854.69	854.89	854.46	853.46	852.07	850.92
03U005	973.07	860.51				857.22	857.04		857.39	857.00	855.85	854.32	853.42
03M005	974.52								857.46	857.05	856.30	854.32	853.43
03L005	974.08	860.44				857.31	857.13		857.48	857.08	855.40	854.35	853.43
03U006	969.09	862.36	858.91		858.12	858.64	858.29	858.94	858.84	858.50	857.42	856.09	854.94
03U007	902.63	863.23	859.27		859.40	859.88	859.62	860.13	859.68	859.33	856.95	855.45	855.07
03M007	903.77				859.33		859.57	860.06	859.61	859.27	856.92	855.42	855.03
03L007	904.41				859.00		859.25	859.70	859.20	858.92	856.52	855.09	854.86
04U007	905.50	862.38			858.70	859.24	858.90	859.29	858.77	858.60	856.30	854.90	854.66
03U008	917.36	867.30	862.85		863.66	864.14	864.04	864.61	863.57	862.93	858.46	856.72	857.76
03U009	915.25	868.42			865.59	865.97	865.90	866.36	864.90	864.43	859.08	857.47	859.50
03U010	891.00	868.57	869.24		865.55	865.87	865.85	866.27	864.95	864.48	859.15	857.65	859.48
03M010	891.46				865.51		865.81	866.23	864.91	864.46	859.11	857.63	859.49
03L010	891.76				865.60		865.86	866.27	864.91	864.45	859.11	857.66	859.51
03U011	902.99	865.74	861.67		862.89	863.14	863.30	863.56	862.78	862.35	858.28	856.64	857.47
03U012	882.83	862.24	858.28	859.58	859.54	859.89	859.80	860.12	859.28	858.80	854.67	853.50	854.29
03M012	882.73			859.67	859.53		859.78	860.15	859.26	858.78	854.65	853.48	854.28
03L012	882.63			859.61	859.48		859.75	860.00	859.21	858.73	854.61	853.43	854.25
04U012	882.78	862.12		859.56	859.42	859.77	859.67	860.00	859.15	858.67	854.56	853.38	854.18
03U013	893.02	855.52	852.08	852.72	852.41	852.77	852.59	852.86	852.42	851.89	849.04	847.87	847.90
03M013	892.40		852.00	852.65	852.33		852.52	852.78	852.34	851.81	848.95	847.78	847.80
03L013	892.60		851.88	852.48	852.15		852.33	851.83	852.15	851.65	848.76	847.63	847.65

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D. ON TCAAP	*TOC Elevation*	*09/21/88*	*10/14/88*	*12/02/88*	*01/13/89*	*03/31/89*	*07/07/89*	*10/05/89*	*12/21/89*	*01/11/90*	*05/16/90*	*07/16/90*	*02/28/91*
03U001	891.20	844.92	845.46	846.41	846.55	844.09	891.20	841.44	841.39	841.43	841.67	841.34	842.28
03M001	890.76	844.99	845.54	846.51	846.62	844.03	890.76	841.28	841.26	841.26	841.53	841.27	842.11
03L001	891.37	845.00	845.52	846.45	846.61	843.68	841.38	841.17	841.05	841.07	841.33	841.02	841.90
04U001	891.28	844.88	845.38	846.36	846.49	843.59	841.28	841.05	840.93	840.98	841.22	840.91	841.78
03U002	919.89	847.20	847.13	848.59	849.59	845.37	844.15	843.45	842.68	842.51	842.65	842.41	843.09
03M002	922.40	847.59	847.04	848.67	848.12	844.58	843.09	842.60	841.91	841.80	841.93	841.73	842.36
03L002	922.21	847.55	846.96	848.62	848.06	844.49	842.98	842.49	841.84	841.71	841.81	841.62	842.26
04U002	923.18	847.44	846.88	848.48	847.93	843.76	834.38	841.88	841.18	841.06	841.21	841.03	841.64
03U003	945.00	849.18	848.80	849.76	849.68	846.74	845.50	844.85	844.50	844.10	844.15	843.73	844.48
03M003	945.55	849.08	848.75	849.79	849.56	846.28	844.95	844.27	844.30	843.84	843.87	843.52	844.27
03L003	946.83	849.01	848.78	849.91	849.46	845.63	844.15	843.47	844.13	843.55	843.63	843.33	844.04
04U003	946.07	846.07	846.19	847.19	846.77	844.42	843.05	842.37	842.09	841.72	841.90	841.58	842.37
PJ#003	946.47	845.42	845.67	846.59	846.25	844.12	946.47	841.89	841.51	840.66	841.49	841.18	841.91
03U004	953.00	853.09	852.83	853.10	853.40	852.15	953.00	849.94	849.57	849.38	849.32	953.00	849.80
03M004	952.55	851.68	851.51	851.82	852.12	850.71	952.55	848.41	848.11	847.93	847.83	952.55	848.34
03L004	952.02	850.62	850.47	850.81	851.07	849.66	952.02	847.37	847.12	846.90	846.81	952.02	847.32
03U005	973.07	853.03	853.14	852.76	853.22	852.49	973.07	850.65	850.04	849.94	849.77	973.07	850.30
03M005	974.52	853.08	853.61	852.78	853.27	853.04	974.52	851.13	850.56	850.47	850.31	974.52	850.38
03L005	974.08	853.08	852.73	852.83	853.33	852.08	974.08	850.21	849.63	849.54	849.38	974.08	850.41
03U006	969.09	854.29	854.58	854.41	854.74	853.99	969.09	851.75	851.46	851.27	851.20	969.09	851.78
03U007	902.63	854.78	855.19	855.67	855.95	855.43	853.68	852.78	852.90	852.78	852.47	852.36	853.43
03M007	903.77	854.74	855.14	855.62	855.90	855.37	903.77	852.73	852.82	852.72	852.39	852.27	853.35
03L007	904.41	854.41	854.79	855.39	855.61	855.02	904.41	852.38	852.47	852.36	852.01	851.83	853.07
04U007	905.50	854.20	854.50	855.08	855.30	854.65	852.59	852.02	852.05	851.95	851.58	851.31	852.68
03U008	917.36	858.11	858.95	859.91	860.20	860.90	917.36	857.57	858.31	858.31	857.91	917.36	859.51
03U009	915.25	859.90	860.83	861.86	861.94	862.78	915.25	859.22	860.14	860.25	859.90	915.25	870.37
03U010	891.00	859.95	860.88	861.75	861.84	862.95	891.00	859.34	860.32	860.45	860.06	891.00	861.48
03M010	891.46	859.96	860.90	861.74	861.85	862.92	891.46	859.33	860.30	860.46	891.46	891.46	891.46
03L010	891.76	859.96	860.91	861.75	861.84	862.96	891.76	859.31	860.30	860.45	891.76	891.76	891.76
03U011	902.99	857.71	858.27	858.79	859.09	860.78	902.99	857.29	858.04	858.15	857.72	902.99	859.06
03U012	882.83	854.57	855.25	855.79	856.18	856.48	853.51	853.11	853.83	854.03	853.63	853.60	854.87
03M012	882.73	854.55	855.23	855.77	856.18	856.48	882.73	853.11	853.83	854.03	853.62	853.59	854.87
03L012	882.63	854.50	855.19	855.64	856.15	856.42	882.63	853.07	853.82	853.98	853.60	853.54	854.80
04U012	882.78	854.44	855.13	855.67	856.07	856.33	853.37	852.97	853.70	853.88	853.49	853.46	854.73
03U013	893.02	847.87	848.34	848.97	849.57	847.97	893.02	845.19	845.42	845.63	845.44	893.02	846.20
03M013	892.40	847.79	848.27	848.90	849.50	847.90	892.40	845.12	845.40	845.58	845.40	892.40	846.20
03L013	892.60	847.61	848.10	848.76	849.38	847.75	892.60	844.93	845.20	845.45	845.24	892.60	846.06

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D. ON TCAAP	*TOC Elevation*	*06/03/91*	*09/03/91*	*09/27/91*	*12/06/91*	*03/24/92*	*06/01/92*	*09/01/92*	*10/08/92*	*03/02/93*	*09/10/93*	*03/01/94*	*09/02/94*
03U001	891.20	842.00	841.05	841.70	843.01	843.51	843.25	842.79	843.62	844.75	846.23	847.86	846.08
03M001	890.76	841.81	840.89	841.54	842.83	843.31	843.14	842.66	843.48	844.60	846.06	847.74	845.96
03L001	891.37	841.64	840.71	841.30	842.60	843.12	842.90	842.45	843.26	844.35	845.81	847.54	845.71
04U001	891.28	841.55	840.58	841.20	842.50	842.99	842.79	842.33	843.14	844.26	845.70	847.45	845.60
03U002	919.89	842.89	842.36	842.59	843.84	844.49	844.97	844.54	844.82	845.75	847.13	848.84	847.56
03M002	922.40	842.20	841.75	841.95	843.18	843.84	844.25	843.80	844.18	845.07	846.40	848.05	846.72
03L002	922.21	842.10	841.49	841.85	843.10	843.75	844.15	843.70	844.09	844.99	846.31	848.00	846.62
04U002	923.18	841.44	840.90	841.18	842.46	843.08	843.43	843.00	843.42	844.32	845.50	847.17	845.74
03U003	945.00	844.20	843.75	843.89	845.14	845.66	846.50	846.26	846.52	847.23	848.30	850.27	849.45
03M003	945.55	844.02	843.55	843.70	844.96	845.51	846.37	846.14	846.41	847.14	848.16	850.10	849.39
03L003	946.83	843.78	843.32	843.49	844.70	845.23	846.01	845.73	846.07	846.83	847.73	849.54	848.84
04U003	946.07	842.16	841.62	841.85	843.11	843.64	844.10	843.81	844.33	845.16	846.43	847.98	846.90
PJ#003	946.47	841.66	841.06	841.37	842.63	843.20	843.45	843.16	843.70	844.54	845.68	847.33	846.01
03U004	953.00	953.00	953.00	849.35	953.00	851.30	953.00	953.00	851.97	852.72	853.78	855.64	854.79
03M004	952.55	952.55	952.55	847.87	952.55	849.82	952.55	952.55	850.48	851.23	852.32	854.17	853.27
03L004	952.02	952.02	952.02	846.83	952.02	848.81	952.02	952.02	849.47	850.22	851.29	853.15	852.26
03U005	973.07	973.07	973.07	849.85	973.07	851.27	973.07	973.07	852.72	853.21	854.00	856.14	855.25
03M005	974.52	974.52	974.52	849.83	974.52	851.84	974.52	974.52	852.74	853.23	854.07	856.18	855.27
03L005	974.08	974.08	974.08	849.86	974.08	851.90	974.08	974.08	852.78	853.30	854.14	856.24	855.33
03U006	969.09	969.09	969.09	850.94	969.09	853.28	969.09	969.09	854.20	854.70	855.18	857.52	856.69
03U007	902.63	853.10	852.51	852.88	854.61	855.23	855.28	854.88	855.64	856.18	857.25	859.11	857.85
03M007	903.77	853.03	852.42	852.78	854.52	855.14	855.21	854.81	855.57	856.11	857.17	859.05	857.78
03L007	904.41	852.69	852.14	852.31	854.18	854.71	854.70	854.31	855.12	855.75	856.75	858.68	857.28
04U007	905.50	852.37	851.88	851.85	853.74	854.12	854.25	853.83	854.66	855.37	856.30	858.18	856.82
03U008	917.36	917.36	917.36	859.45	917.36	861.49	917.36	917.36	861.10	862.10	863.66	864.88	863.11
03U009	915.25	915.25	915.25	861.88	915.25	863.62	915.25	915.25	863.16	863.93	865.97	866.69	864.90
03U010	891.00	891.00	891.00	862.08	891.00	863.84	891.00	891.00	863.21	864.05	865.98	866.81	865.00
03M010	891.46	891.46	891.46	862.08	891.46	863.68	891.46	891.46	863.18	864.02	865.95	866.81	864.98
03L010	891.76	891.76	891.76	862.18	891.76	863.74	891.76	891.76	863.18	864.03	865.91	866.72	864.89
03U011	902.99	902.99	902.99	859.27	902.99	861.19	902.99	902.99	860.61	861.73	863.34	864.56	862.87
03U012	882.83	855.15	853.83	854.93	856.21	856.84	856.21	855.25	856.26	857.40	858.97	860.35	858.50
03M012	882.73	855.13	853.83	854.92	856.20	856.83	856.19	855.24	856.24	857.39	858.94	860.35	858.49
03L012	882.63	855.08	853.78	854.86	856.16	856.81	856.18	855.18	856.19	857.35	858.90	860.31	858.45
04U012	882.78	855.00	853.68	854.76	856.06	856.68	856.06	855.09	856.09	857.24	858.79	860.20	858.35
03U013	893.02	893.02	893.02	845.86	893.02	847.83	893.02	893.02	847.69	848.79	850.11	851.90	850.17
03M013	892.40	892.40	892.40	845.85	892.40	847.84	892.40	892.40	847.66	848.77	850.10	851.89	850.15
03L013	892.60	892.60	892.60	845.67	892.60	847.65	892.60	892.60	847.51	848.61	849.93	851.72	849.99

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*04/02/87*	*09/08/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*01/11/88*	*05/02/88*	*05/20/88*	*06/23/88*	*07/27/88*	*09/01/88*
03U014	990.27	860.25	856.99	856.67	856.55	856.62	856.77	856.83	857.01	855.46	855.72	854.22	853.05
03L014	991.57		856.93	856.86	856.72		857.00	857.03	857.12	857.96	855.44	853.96	852.95
03U015	937.68	859.96	856.58	856.87	856.78	856.91	857.02	857.18	857.12	856.69	854.84	853.46	852.68
03U016	950.05	862.13			858.95	859.02	859.20	859.35	859.19	858.90	857.14	855.34	854.70
03U017	941.31	857.76	854.64	854.22	853.95		854.27	854.27	854.44	853.95	852.71	851.21	850.14
03M017	941.93	857.61	854.64	854.22	853.93			854.24	854.41	853.92	852.67	851.22	850.13
03L017	942.07	857.62	854.63	854.20	853.83		854.24	866.42	854.42	853.91	852.67	851.12	850.12
03U018	991.62	859.96	856.66		856.48	856.54	856.67	856.77	856.90	856.53	855.34	853.81	852.67
03L018	991.49	859.68	856.54		856.36	856.42	856.52	856.67	856.77	856.38	855.10	853.59	852.57
03U019	946.54	860.88			857.58	857.68	857.69	857.94	857.94	857.64	856.55	854.97	853.90
03U020	955.70	858.27	854.79	854.57	854.44	854.44	854.34	854.64	854.95	854.42	853.48	851.95	850.75
03M020	957.03	858.10	855.07	854.56	854.43	854.45	854.33	854.56	854.88	854.38	853.39	851.91	850.73
03L020	956.73	858.01	854.96	854.47	854.35	854.34	854.23	854.48	854.80	854.31	853.31	851.83	850.68
04U020	957.86	857.72	854.49	854.13	854.00	854.00	853.94	853.56	854.33	853.82	851.97	852.11	850.16
03U021	947.30	856.82				852.96	852.55		853.18	947.30	947.30	947.30	947.30
03L021	946.74				852.43		852.27	852.49	852.79	852.23	851.34	849.92	849.03
03U022	901.88	862.98	858.98		860.19	860.43	860.54	860.76	860.24	859.88	856.56	855.05	855.26
03U023	901.51	862.88	858.81		860.04	860.35	860.35	860.62	859.91	859.49	856.71	854.41	854.96
03U024	896.99	861.71	857.80		858.94	859.17	859.25	859.49	859.02	858.67	855.67	854.25	854.29
03U025	889.07	860.01		857.31	857.16	858.43	857.43	857.62	857.22	856.84	853.91	852.56	852.60
03U027	968.80	858.58	855.41	854.83	854.68	854.77	854.69	855.00	855.20	854.70	853.82	852.31	851.12
03L027	969.42		855.31	854.74	854.59	854.68	854.59	854.80	855.10	854.60	853.70	852.22	851.03
04U027	969.49	856.96	854.13	853.52	853.39	853.48	853.39	830.51	853.73	853.24	852.09	850.69	849.76
PJ#027	970.01		854.07	853.47	853.30	853.35	853.30	853.16	853.66	853.15	852.00	850.60	849.71
03U028	959.76	858.02	855.08	854.26		854.18	854.06	854.29	854.66	854.18	853.37	851.86	850.61
03L028	958.93	857.98	855.03	854.18		854.11	854.03	854.29	854.58	854.09	853.23	851.13	850.55
03U029	957.27	857.60	854.07	853.73		853.58	852.50	852.70	854.22	853.69	853.10	851.53	849.79
03L029	956.95	857.58				853.34	853.35	853.67	853.82	853.35	852.60	851.08	849.86
03U030	961.42	859.08		855.44		855.40	855.34	855.52	855.78	855.38	854.38	852.92	851.77
03U031	900.94	857.83	854.93	854.96	854.77	854.92	854.88	855.04	854.66	854.64	852.84	851.54	850.56
03U032	1006.57	860.93	857.50		857.79	857.85	858.00	858.21	858.09	857.77	856.13	854.54	853.70
03U075	887.03	854.77	851.49	852.01			852.01	852.08	851.72	851.20	848.56	847.45	847.38
03U076	891.41	853.46	850.18	850.68			850.64	850.77	850.37	849.79	847.19	846.11	846.05
03U077	914.94	853.86	850.94	849.86	849.58	849.81	849.54	849.76	849.99	849.39	847.94	847.31	846.24
03L077	914.88	853.77	850.97	848.80	848.60	849.78	848.52	848.70	849.00	848.39	846.91	847.23	846.33
04U077	914.57	854.15	851.21	849.21	848.93	849.09	846.77	849.12	849.23	848.63	847.37	847.36	846.37
04J077	914.60						-0.18			914.60	914.60	914.60	914.60
03U078	929.85	856.69	853.71	850.15	849.63	849.77	849.74	850.30	851.21	850.22	850.38	848.15	847.45

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*09/21/88*	*10/14/88*	*12/02/88*	*01/13/89*	*03/31/89*	*07/07/89*	*10/05/89*	*12/21/89*	*01/11/90*	*05/16/90*	*07/16/90*	*02/28/91*
03U014	990.27	852.72	852.44	852.68	852.77	852.00	990.27	849.72	849.44	849.25	849.15	848.99	849.79
03L014	991.57	852.77	852.61	852.88	852.96	852.27	991.57	849.93	849.77	849.57	849.50	991.57	850.22
03U015	937.68	852.45	852.53	852.83	853.02	852.73	937.68	850.13	850.11	850.03	849.99	937.68	850.82
03U016	950.05	854.64	854.57	854.78	854.97	855.35	950.05	852.75	852.67	864.70	852.59	950.05	853.48
03U017	941.31	850.12	849.93	850.64	850.93	849.06	941.31	846.98	846.36	846.21	846.36	941.31	847.01
03M017	941.93	850.11	849.93	850.62	850.93	849.03	941.93	846.97	846.32	846.23	846.33	941.93	846.97
03L017	942.07	850.09	849.92	850.62	850.88	849.07	942.07	846.94	846.14	846.22	846.32	942.07	846.97
03U018	991.62	852.53	852.35	852.60	852.82	851.98	991.62	849.72	849.25	849.24	849.19	991.62	849.90
03L018	991.49	852.39	852.21	852.52	852.74	851.82	991.49	849.55	849.09	849.07	849.04	991.49	849.76
03U019	946.54	853.62	853.41	853.54	853.83	853.44	946.54	851.09	850.87	850.73	850.63	946.54	851.34
03U020	955.70	850.63	850.34	851.02	850.83	849.35	848.20	847.18	846.63	846.51	846.65	846.45	847.18
03M020	957.03	850.61	850.36	850.98	851.08	849.27	848.06	847.08	846.79	846.52	846.60	846.39	847.09
03L020	956.73	850.52	850.27	850.93	851.03	849.27	848.02	847.03	846.58	846.52	846.55	846.36	847.10
04U020	957.86	850.06	849.91	850.61	850.70	848.91	846.87	846.05	846.21	846.16	846.28	846.09	846.80
03U021	947.30	947.30	947.30	947.30	849.69	847.25	947.30	845.20	844.55	844.50	844.51	947.30	844.98
03L021	946.74	848.84	848.37	849.63	849.41	846.79	946.74	844.84	844.19	844.12	844.14	946.74	844.60
03U022	901.88	855.34	855.72	855.97	856.23	857.43	901.88	854.24	854.78	854.86	854.53	901.88	855.73
03U023	901.51	855.12	855.67	856.06	856.28	857.13	901.51	853.87	854.51	854.63	854.25	901.51	855.50
03U024	896.99	854.31	854.61	854.77	855.04	855.84	896.99	852.77	853.17	853.29	852.99	896.99	854.06
03U025	889.07	852.51	852.90	853.24	853.72	853.55	889.07	850.61	850.96	851.07	850.81	889.07	851.83
03U027	968.80	850.90	850.60	851.25	851.50	849.71	968.80	846.53	847.17	846.87	846.97	968.80	847.52
03L027	969.42	850.80	850.51	851.17	851.43	849.61	969.42	847.40	847.07	846.84	846.85	969.42	847.37
04U027	969.49	849.44	849.31	850.14	850.39	848.19	969.49	845.81	845.63	845.44	845.44	969.49	845.96
PJ#027	970.01	849.38	849.28	850.10	850.34	848.18	970.05	845.76	845.57	845.40	845.46	970.05	845.95
03U028	959.76	850.39	850.12	850.58	850.86	848.92	959.76	846.87	846.52	846.35	846.23	959.76	846.72
03L028	958.93	850.31	850.08	850.55	850.82	848.86	958.93	846.78	846.43	846.31	846.18	958.93	846.67
03U029	957.27	849.95	848.62	850.07	850.42	847.13	957.27	845.73	844.84	844.73	845.52	957.27	844.93
03L029	956.95	849.70	849.40	850.05	850.10	847.68	956.95	845.60	845.45	956.95	845.15	956.95	845.59
03U030	961.42	851.52	851.32	851.47	851.85	850.47	961.42	848.33	848.02	847.85	847.71	961.42	848.26
03U031	900.94	850.49	850.66	850.79	851.34	850.14	900.94	847.69	847.65	847.54	847.54	900.94	848.30
03U032	1006.57	853.59	853.46	853.65	853.82	853.90	1006.57	851.36	851.35	851.22	851.09	1006.57	851.97
03U075	887.03	847.16	847.67	848.47	848.54	846.98	887.03	844.28	844.43	844.72	844.52	887.03	845.25
03U076	891.41	845.79	846.36	847.27	847.30	845.41	891.41	842.74	842.86	843.16	842.98	891.41	843.65
03U077	914.94	846.02	846.09	847.44	847.31	842.31	914.94	841.74	841.86	841.12	841.28	914.94	841.78
03L077	914.88	846.08	845.48	847.45	847.24	843.73	914.88	840.16	839.53	839.51	839.66	914.88	840.18
04U077	914.57	845.28	845.69	847.59	914.57	914.57	914.57	840.36	839.57	839.51	839.67	914.57	840.19
04J077	914.60	847.15	914.60	847.59	847.22	840.02	914.60	837.71	836.53	836.50	837.10	914.60	837.90
03U078	929.85	846.83	846.45	849.19	847.95	844.45	929.85	842.91	842.20	841.80	841.24	929.85	841.67

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*06/03/91*	*09/03/91*	*09/27/91*	*12/06/91*	*03/24/92*	*06/01/92*	*09/01/92*	*10/08/92*	*03/02/93*	*09/10/93*	*03/01/94*	*09/02/94*
03U014	990.27	849.78	849.30	849.48	850.59	851.57	852.19	851.33	851.96	852.73	853.97	855.71	854.90
03L014	991.57	850.15	849.58	849.84	851.05	851.92	852.47	851.90	852.30	853.12	854.38	856.11	855.12
03U015	937.68	937.68	937.68	850.62	937.68	852.64	937.68	937.68	852.70	853.70	855.02	856.74	855.54
03U016	950.05	950.05	950.05	853.35	950.05	855.40	950.05	950.05	855.43	856.42	857.80	859.49	858.23
03U017	941.31	941.31	941.31	846.64	941.31	848.51	941.31	941.31	848.89	849.78	851.07	852.85	851.64
03M017	941.93	941.93	941.93	846.62	941.93	848.48	941.93	941.93	848.87	849.76	851.05	852.84	851.61
03L017	942.07	942.07	942.07	846.64	942.07	848.51	942.07	942.07	848.84	849.76	851.06	852.83	851.60
03U018	991.62	991.62	991.62	849.62	991.62	852.26	991.62	991.62	851.95	852.84	854.17	855.96	854.93
03L018	991.49	991.49	991.49	849.44	991.49	851.47	991.49	991.49	851.78	852.66	854.01	855.77	854.71
03U019	946.54	946.54	946.54	851.09	946.54	853.10	946.54	946.54	853.44	854.29	855.55	857.30	856.41
03U020	955.70	847.11	846.63	846.83	848.01	848.80	849.36	848.84	849.11	850.05	851.31	853.09	852.02
03M020	957.03	847.06	846.52	846.73	847.93	848.68	849.28	848.73	849.05	849.94	851.23	852.95	851.88
03L020	956.73	847.03	846.53	846.73	847.93	848.71	849.26	848.74	849.05	849.95	851.23	853.00	851.92
04U020	957.86	846.82	846.25	846.56	847.82	848.50	848.97	848.36	848.76	849.70	851.07	852.77	851.57
03U021	947.30	947.30	947.30	844.76	947.30	846.45	947.30	947.30	846.80	847.73	849.05	850.84	849.69
03L021	946.74	946.74	946.74	843.99	946.74	846.09	946.74	946.74	846.46	847.38	848.67	850.40	849.28
03U022	901.88	901.88	901.88	855.81	901.88	857.75	901.88	901.88	857.35	858.46	859.96	861.35	859.83
03U023	901.51	901.51	901.51	855.58	901.51	857.53	901.51	901.51	857.05	858.17	859.67	861.06	859.37
03U024	896.99	896.99	896.99	854.09	896.99	856.04	896.99	896.99	855.74	856.85	858.29	859.78	858.33
03U025	889.07	889.07	889.07	851.76	889.07	853.71	889.07	889.07	853.47	854.56	855.99	857.56	856.06
03U027	968.80	968.80	968.80	847.12	968.80	849.08	968.80	968.80	849.47	850.36	851.56	853.36	852.36
03L027	969.42	969.42	969.42	846.97	969.42	848.98	969.42	969.42	849.36	850.25	851.46	853.24	852.24
04U027	969.49	969.49	969.49	845.61	969.49	847.55	969.49	969.49	847.87	848.76	849.94	851.69	850.58
PJ#027	970.01	970.05	970.05	845.58	970.05	847.55	970.05	970.05	847.87	848.75	849.94	851.62	850.51
03U028	959.76	959.76	959.76	846.31	959.76	848.28	959.76	959.76	848.72	849.57	850.72	852.63	851.62
03L028	958.93	958.93	958.93	846.26	958.93	848.23	958.93	958.93	848.68	849.52	850.65	852.59	851.55
03U029	957.27	957.27	957.27	844.47	957.27	846.27	957.27	957.27	846.87	847.69	848.87	850.98	850.03
03L029	956.95	956.95	956.95	845.11	956.95	847.03	956.95	956.95	847.61	848.41	849.44	851.41	850.43
03U030	961.42	961.42	961.42	847.88	961.42	849.85	961.42	961.42	850.36	851.12	852.23	854.18	853.22
03U031	900.94	900.94	900.94	848.00	900.94	850.04	900.94	900.94	850.05	851.07	852.51	854.14	852.81
03U032	1006.57	1006.57	1006.57	851.73	1006.57	853.81	1006.57	1006.57	853.93	854.89	856.18	857.90	856.79
03U075	887.03	887.03	887.03	844.87	887.03	846.82	887.03	887.03	840.67	847.85	849.40	850.90	849.25
03U076	891.41	891.41	891.41	843.19	891.41	844.97	891.41	891.41	845.05	846.22	847.73	849.27	847.56
03U077	914.94	914.94	914.94	841.19	914.94	843.19	914.94	914.94	843.45	844.41	845.74	847.46	846.02
03L077	914.88	914.88	914.88	839.64	914.88	841.69	914.88	914.88	841.84	842.78	844.11	845.77	844.21
04U077	914.57	914.57	914.57	839.67	914.57	841.68	914.57	914.57	841.92	842.83	844.15	845.80	844.28
04J077	914.60	914.60	914.60	837.38	914.60	839.11	914.60	914.60	839.42	840.17	841.40	843.06	841.65
03U078	929.85	929.85	929.85	840.56	929.85	842.33	929.85	929.85	843.13	844.06	845.48	847.55	846.68

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*04/02/87*	*09/08/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*01/11/88*	*05/02/88*	*05/20/88*	*06/23/88*	*07/27/88*	*09/01/88*
03L078	930.18	855.78	852.85	850.47	850.18	850.33	850.12	850.61	850.80	850.26	849.52	848.15	848.07
03U079	925.99	856.67	853.72	849.71	849.79	849.71	849.49	849.99	850.51	849.79	849.78	847.61	847.16
03L079	926.29	856.34	853.39	850.53	851.22	850.49	850.29	850.64	850.95	850.39	849.73	848.23	847.22
03L080	963.45		856.03			855.49	854.65	855.65	855.90	855.44	854.45	852.97	851.82
03L081	948.96						857.31	857.62	857.59	857.25	855.87	854.40	853.46
03U082	901.00	864.95	860.95		862.13	862.39	862.52	862.75	862.07	861.70	857.88	856.26	856.85
03U083	893.90	860.04			857.08	857.29	857.35	857.45	857.19	856.90	854.42	852.92	852.63
03U084	900.98	853.88	850.70	850.23	849.90	850.20	849.94	850.01	850.30	849.74	848.01	846.77	846.18
03L084	900.58								850.56	849.98	848.26	846.88	846.39
03U087	1006.79	860.83	857.35		857.83	857.93	858.11	858.29	858.14	857.79	855.94	854.34	871.63
03U088	986.36						858.47	858.61	858.44	858.11	856.06	854.48	853.86
03U089	975.30	860.93			858.13	858.24	858.44	859.13	858.40	858.08	856.05	854.49	853.85
03U090	984.92						857.38	857.56	857.57	857.24	984.92	854.32	853.37
03U092	963.30						856.75		856.98	856.70	855.76	854.15	853.03
03U093	996.01	859.66			856.50	856.56	856.65	856.82	856.87	856.50	855.28	853.04	852.71
03U094	999.64		857.13				857.00	857.06	857.22	856.89	855.89	854.37	853.24
03U096	997.02	859.77			856.44	856.48	856.60	856.72	856.08	856.39	854.93	853.40	852.48
03U111	927.69	864.11			861.53	861.71	862.03	862.19	861.71	861.50	858.86	856.78	856.70
03U112	980.80	860.95	857.61		857.55	857.63	857.75	857.89	857.93	857.63	856.49	854.85	853.80
03U113	976.83	860.97					858.09		858.22	857.93	976.83	854.83	853.98
03L113	977.15								858.11	857.80	977.15	977.15	853.83
03U301(SC1)	957.41								854.17	889.76	853.16	851.46	849.79
03F302(B1)	929.94	867.70	853.59		850.52	844.70	844.38	844.53	844.73	844.20	843.61	842.40	840.01
03F303(B2)	925.13	859.80	853.46		829.72	829.74	830.74		831.18	829.58	836.29	825.55	847.59
03F304(B3)	920.19	859.06	852.32		848.45	849.76	848.56	848.78	849.01	848.44	847.63	846.46	847.59
03F305(B4)	915.75	850.14	852.06		844.50	844.82	844.75	844.88	844.75	915.75	848.80	847.78	847.33
03F306(B5)	919.23								841.87	841.08	839.25	847.53	848.45
03F307(B6)	913.46	839.95	848.55		821.56	821.91	821.11	821.29	822.23	821.04	822.43	844.87	913.46
03F308(B7)	900.79									900.79	900.79	900.79	900.79
PJ#309(B8)	914.35									914.35	914.35	914.35	914.35
PJ#310(B9)	915.80									915.80	915.80	915.80	915.80
PJ#311(B10)	906.07									905.97	905.97	905.97	905.97
03F312(B11)	944.24									944.24	944.24	944.24	944.24
PJ#313(B12)	895.63									895.63	895.63	895.63	895.63
03U314(SC2)	978.02									978.02	978.02	978.02	978.02
03U315(SC3)	965.27									965.27	965.27	965.27	965.27
03U316(SC4)	957.13									957.13	957.13	957.13	957.13
03U317(SC5)	952.62									952.62	952.62	952.62	952.62

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*09/21/88*	*10/14/88*	*12/02/88*	*01/13/89*	*03/31/89*	*07/07/89*	*10/05/89*	*12/21/89*	*01/11/90*	*05/16/90*	*07/16/90*	*02/28/91*
03L078	930.18	847.80	846.93	848.83	847.88	844.55	930.18	842.68	842.16	841.83	841.70	930.18	842.24
03U079	925.99	847.36	845.89	849.25	847.04	843.64	925.99	841.94	842.61	840.87	840.78	925.99	841.08
03L079	926.29	848.04	846.67	849.14	847.34	844.34	926.29	842.48	843.01	841.69	841.69	926.29	842.09
03L080	963.45	851.58	851.33	851.83	852.09	850.61	963.45	848.36	848.06	847.90	847.84	963.45	848.38
03L081	948.96	853.16	853.10	853.34	853.65	852.96	948.96	850.61	850.41	850.26	850.17	948.96	850.92
03U082	901.00	857.08	857.57	857.95	858.15	859.90	901.00	856.53	857.18	857.29	856.92	901.00	858.21
03U083	893.90	852.50	852.74	852.90	853.50	853.15	893.90	850.35	850.53	850.60	850.36	893.90	851.31
03U084	900.98	846.10	846.27	847.38	847.37	843.98	900.98	841.93	841.47	841.48	841.62	900.98	842.24
03L084	900.58	846.30	846.47	847.56	900.58	844.03	900.58	842.05	841.58	841.58	841.72	900.58	842.31
03U087	1006.79	853.53	853.44	853.60	853.79	854.11	1006.79	851.49	851.58	851.48	851.34	1006.79	852.23
03U088	986.36	853.77	853.75	853.86	854.06	854.60	986.36	851.88	852.01	851.91	851.76	986.36	852.72
03U089	975.30	853.75	853.75	853.86	854.10	854.55	975.30	851.85	851.97	851.90	851.73	975.30	852.69
03U090	984.92	853.13	852.97	853.15	853.30	853.07	984.92	850.66	850.47	850.39	850.25	984.92	850.99
03U092	963.30	852.74	852.45	852.70	852.93	852.08	963.30	849.76	849.28	849.28	849.20	963.30	849.87
03U093	996.01	852.49	852.26	852.56	852.79	852.01	996.01	849.31	849.27	849.26	849.21	849.16	849.97
03U094	999.64	852.92	852.65	852.84	852.94	852.34	999.64	850.07	849.76	849.60	849.40	999.64	850.10
03U096	997.02	852.37	852.21	852.54	852.81	852.06	997.02	849.79	849.35	849.34	849.32	997.02	850.09
03U111	927.69	856.94	857.12	857.43	857.74	859.62	927.69	856.58	856.75	856.99	856.90	927.69	858.31
03U112	980.80	853.55	853.40	853.50	853.66	853.45	980.80	851.10	850.91	850.79	850.65	980.80	851.37
03U113	976.83	853.77	853.65	853.76	853.93	853.93	976.83	851.48	851.38	851.23	851.14	976.83	851.91
03L113	977.15	853.65	977.15	977.15	853.85	853.85	977.15	851.36	851.30	851.15	851.06	977.15	851.84
03U301(SC1)	957.41	849.91	833.28	850.09	850.36	830.51	957.41	831.41	827.06	831.01	845.46	829.41	828.41
03F302(B1)	929.94	847.71	840.66	849.16	839.81	848.62	837.86	837.06	929.86	855.26	836.66	835.86	836.46
03F303(B2)	925.13	847.14	827.95	848.94	828.25	827.49	829.54	828.34	830.44	828.64	821.24	820.94	820.44
03F304(B3)	920.19	847.41	846.62	848.40	847.65	842.59	840.99	840.49	840.09	839.89	840.09	839.59	840.39
03F305(B4)	915.75	847.16	840.98	848.20	841.69	837.55	836.35	836.25	834.55	834.35	835.45	835.15	835.72
03F306(B5)	919.23	838.18	919.13	919.13	919.13	919.13	834.43	833.03	832.43	832.73	832.73	832.23	833.48
03F307(B6)	913.46	820.02	913.46	913.46	913.46	828.59	827.16	826.76	826.36	826.36	825.76	826.26	826.36
03F308(B7)	900.79	900.79	900.79	846.07	845.92	834.87	833.19	832.79	832.49	832.29	831.69	830.29	830.99
PJ#309(B8)	914.35	914.35	914.35	848.10	847.55	840.05	839.35	834.95	807.55	838.25	838.95	838.85	838.35
PJ#310(B9)	915.80	915.80	915.80	847.69	847.30	838.10	835.30	835.30	833.90	833.90	835.10	835.20	836.00
PJ#311(B10)	906.07	905.97	905.97	905.97	905.97	839.26	838.77	838.87	844.27	837.37	838.07	836.87	837.67
03F312(B11)	944.24	944.24	944.24	851.05	850.40	837.50	834.74	834.54	828.14	838.04	838.84	838.24	838.44
PJ#313(B12)	895.63	895.63	895.63	835.55	846.83	839.68	837.93	836.93	836.63	895.63	837.83	837.63	836.23
03U314(SC2)	978.02	978.02	978.02	852.19	978.02	842.54	841.52	842.32	841.32	839.92	843.42	846.02	844.97
03U315(SC3)	965.27	965.27	965.27	852.29	852.47	845.18	844.67	842.77	842.47	842.87	842.37	841.17	841.47
03U316(SC4)	957.13	957.13	957.13	851.64	851.81	835.26	836.13	836.63	826.23	830.03	833.73	831.73	831.23
03U317(SC5)	952.62	952.62	952.62	851.54	851.76	845.58	844.62	843.72	843.62	843.42	851.92	843.12	843.02

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*06/03/91*	*09/03/91*	*09/27/91*	*12/06/91*	*03/24/92*	*06/01/92*	*09/01/92*	*10/08/92*	*03/02/93*	*09/10/93*	*03/01/94*	*09/02/94*
03L078	930.18	930.18	930.18	841.84	930.18	843.77	930.18	930.18	844.26	845.14	846.43	848.04	846.88
03U079	925.99	925.99	925.99	840.31	925.99	842.16	925.99	925.99	843.00	843.72	845.22	846.98	845.82
03L079	926.29	926.29	926.29	841.69	926.29	843.40	926.29	926.29	844.19	844.94	846.20	847.86	846.80
03L080	963.45	963.45	963.45	847.99	963.45	849.99	963.45	963.45	850.44	851.28	852.45	854.27	853.30
03L081	948.96	948.96	948.96	850.49	948.96	852.58	948.96	948.96	852.97	853.76	854.86	856.72	855.75
03U082	901.00	901.00	901.00	858.36	901.00	860.29	901.00	901.00	859.76	860.90	862.49	863.74	862.12
03U083	893.90	893.90	893.90	851.20	893.90	853.15	893.90	893.90	853.08	854.13	855.51	857.13	855.79
03U084	900.98	900.98	900.98	841.67	900.98	843.58	900.98	900.98	843.83	844.78	846.10	847.82	846.37
03L084	900.58	900.58	900.58	841.75	900.58	843.64	900.58	900.58	843.89	844.86	846.18	847.89	846.52
03U087	1006.79	1006.79	1006.79	852.07	1006.79	881.09	1006.79	1006.79	854.19	875.20	856.54	858.22	857.05
03U088	986.36	986.36	986.36	852.61	986.36	854.69	986.36	986.36	854.67	855.69	857.07	858.70	857.51
03U089	975.30	975.30	975.30	852.58	975.30	854.62	975.30	975.30	854.61	855.64	857.01	858.63	857.45
03U090	984.92	984.92	984.92	850.81	984.92	852.88	984.92	984.92	853.05	853.98	855.31	856.99	856.04
03U092	963.30	963.30	963.30	849.61	963.30	851.64	963.30	963.30	851.98	852.86	854.12	855.89	854.99
03U093	996.01	849.98	849.50	849.66	850.85	851.71	852.31	851.65	851.98	852.91	854.21	856.02	854.97
03U094	999.64	999.64	999.64	849.84	999.64	851.99	999.64	999.64	852.31	853.00	854.32	855.98	855.21
03U096	997.02	997.02	997.02	849.78	997.02	851.84	997.02	997.02	852.06	852.99	854.33	856.08	854.94
03U111	927.69	927.69	927.69	858.19	927.69	860.36	927.69	927.69	859.84	861.03	862.51	863.93	862.39
03U112	980.80	980.80	980.80	851.18	980.80	853.21	980.80	980.80	853.47	854.37	855.72	857.40	856.48
03U113	976.83	976.83	976.83	851.72	976.83	853.79	976.83	976.83	853.95	854.90	856.19	857.89	856.89
03L113	977.15	977.15	977.15	851.63	977.15	853.67	977.15	977.15	853.71	854.83	856.07	857.80	856.73
03U301(SC1)	957.41	826.86	829.41	829.16	830.41	827.01	829.11	828.41	829.25	829.81	839.71	838.31	839.11
03F302(B1)	929.94	834.96	835.24	835.26	836.46	837.06	837.56	838.06	866.86	838.36	840.46	841.54	839.44
03F303(B2)	925.13	817.64	810.69	806.44	806.54	806.14	806.54	821.14	821.04	821.54	821.24	821.05	827.93
03F304(B3)	920.19	839.89	839.68	840.04	841.49	842.09	842.39	841.89	843.09	843.09	844.39	846.21	844.79
03F305(B4)	915.75	836.01	835.45	835.50	836.55	837.35	837.85	837.45	836.75	839.15	840.95	841.75	839.75
03F306(B5)	919.23	832.08	831.83	831.98	832.83	838.93	834.13	833.63	834.13	834.53	836.53	838.53	835.73
03F307(B6)	913.46	826.46	913.46	825.96	827.16	830.36	826.66	826.76	858.46	826.56	827.26	826.76	821.66
03F308(B7)	900.79	826.24	900.79	823.29	824.19	823.59	822.09	821.79	820.79	821.49	815.69	818.09	814.49
PJ#309(B8)	914.35	838.15	838.25	838.65	839.55	840.35	840.85	840.15	839.35	841.55	842.35	844.05	842.75
PJ#310(B9)	915.80	835.70	835.65	835.70	836.80	837.40	837.50	837.20	836.80	838.60	839.70	841.20	840.10
PJ#311(B10)	906.07	837.72	905.97	837.02	838.77	839.27	838.47	838.52	837.97	840.27	841.47	843.07	841.87
03F312(B11)	944.24	838.86	838.34	838.49	839.64	840.24	841.14	841.04	841.24	842.44	842.04	843.69	843.94
PJ#313(B12)	895.63	837.43	836.53	836.91	838.03	838.73	838.83	838.13	807.63	839.63	841.63	842.23	840.63
03U314(SC2)	978.02	845.10	840.07	840.60	846.22	841.32	846.72	848.22	845.02	846.52	844.22	848.52	846.32
03U315(SC3)	965.27	842.25	842.42	842.62	843.87	844.77	845.47	844.27	828.27	845.07	845.57	853.87	840.67
03U316(SC4)	957.13	831.93	832.13	832.63	833.63	836.53	838.53	839.53	843.13	836.83	841.73	844.83	844.63
03U317(SC5)	952.62	843.92	842.72	842.22	843.82	844.12	844.42	843.72	843.62	844.92	844.82	848.32	844.02

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*04/02/87*	*09/08/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*01/11/88*	*05/02/88*	*05/20/88*	*06/23/88*	*07/27/88*	*09/01/88*
04U510	911.19								864.18	863.71	911.19	857.04	858.89
OW543U3	958.99								854.78	854.31	853.55	851.97	850.69
03U647	962.25		855.63				854.90		855.40	854.99	854.10	852.58	851.39
03U648	963.14		855.84				854.29	855.29	855.60	855.20	854.31	852.76	851.59
03U658	966.24		856.32				855.77	855.96	856.13	855.79	854.76	853.33	852.18
03U659	958.62		855.00				853.85	854.02	854.64	854.16	853.54	851.92	850.52
03U671	933.13	856.69	853.65		851.48	851.56	851.55	851.82	852.60	851.72	851.41	849.90	848.37
03U674	957.21						852.63		854.16	853.46	853.16	851.43	849.76
03U701	911.10	853.52	850.20	849.06	849.18	849.42	849.18	849.59	849.57	848.96	847.25	846.50	845.57
04U701	911.24	853.59	850.49	848.82	848.95	849.17	848.92	849.33	849.32	848.70	846.97	846.69	845.79
03U702	910.53	852.93	849.71	848.68	848.83	849.12	848.83	849.28	849.19	848.55	846.76	845.97	845.08
04U702	910.44	853.74	850.52	848.99	849.15	849.38	849.14	849.63	849.49	848.83	847.09	846.73	845.66
04J702	910.51									910.51	910.51	910.51	910.51
03U703	921.25	856.63	853.69	848.96	849.20	849.31	849.48	849.75	850.68	849.59	849.66	847.35	847.40
03U704	978.47	861.56	857.79		859.09	859.19	859.45	859.65	859.33	859.02	856.61	855.07	854.59
03U705	1049.55	861.71	857.95		859.32	859.43	859.65	859.92	859.60	859.27	856.85	855.22	854.75
03U706	920.63	861.84	858.11		859.23	859.40	859.57	859.78	859.37	859.08	856.28	854.82	854.61
03U707	918.28	862.30	858.42		859.63	859.84	860.00	860.19	859.78	859.41	856.43	854.91	854.86
03U708	921.97	856.26	853.27	851.47	851.01	851.08	850.84	851.32	852.05	851.18	850.89	849.50	847.91
04U708	921.66	854.87	852.03	850.11	849.80	849.95	849.85	850.16	850.34	849.85	848.86	847.72	847.36
04J708	922.04									922.04	922.04	922.04	922.04
03U709	912.63	855.04	852.01	850.21	850.20	850.28	850.21	850.47	850.76	850.08	849.43	848.31	846.85
04U709	912.52	854.74	851.93	849.42	849.47	850.13	849.62	849.90	850.02	849.42	848.56	847.73	847.20
03U710	946.76	856.79		851.26	851.41	851.51	851.31	851.74	852.44	851.69	851.54	849.85	848.46
03U711	908.81		851.74		849.81	849.76	849.51	850.07	850.14	849.60	848.88	848.13	846.83
04U711	908.73		850.68	849.01	849.00	849.01	848.78	849.75	849.20	848.64	847.38	847.63	843.18
03M713	898.41									898.41	898.41	898.41	898.41
04U713	897.73									897.73	897.73	897.73	897.73
04J713	898.38									898.38	898.38	898.38	898.38
04U714	893.89									893.89	893.89	893.89	893.89
04J714	894.19									894.19	894.19	894.19	894.19
03U715	963.59									963.59	963.59	963.59	963.59
03U716	952.10									952.10	952.10	952.10	952.10
E101	970.12												
E102	981.54												
E103	971.61												
S.G. #1	860.42			862.72			862.96		862.51	862.64			

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*09/21/88*	*10/14/88*	*12/02/88*	*01/13/89*	*03/31/89*	*07/07/89*	*10/05/89*	*12/21/89*	*01/11/90*	*05/16/90*	*07/16/90*	*02/28/91*
04U510	911.19	859.39	859.95	860.97	861.08	862.05	911.19	858.48	859.32	859.39	859.11	911.19	860.57
OW543U3	958.99	850.58	850.16	850.49	850.88	849.09	958.99	847.02	846.65	846.48	846.38	958.99	846.77
03U647	962.25	851.14	850.89	851.04	851.45	849.78	962.25	847.85	847.50	847.36	847.23	962.25	847.75
03U648	963.14	851.34	851.10	851.30	851.69	850.19	963.14	848.07	847.73	847.59	847.44	963.14	847.99
03U658	966.24	851.92	851.68	852.04	852.32	851.02	966.24	848.76	848.48	848.24	848.18	966.24	848.71
03U659	958.62	850.51	849.89	850.42	850.78	848.57	958.62	846.65	846.20	846.00	846.05	958.62	846.34
03U671	933.13	848.04	847.81	849.08	849.16	846.18	933.13	844.40	843.19	843.33	843.28	933.13	843.63
03U674	957.21	849.97	848.85	850.04	850.35	847.31	957.21	845.47	844.99	844.86	845.40	957.21	845.06
03U701	911.10	845.40	845.49	846.56	846.83	843.40	911.10	841.18	840.75	840.99	841.01	911.10	841.45
04U701	911.24	845.21	845.55	846.90	846.99	842.92	911.24	839.80	839.00	839.27	839.43	911.24	839.80
03U702	910.53	845.04	845.09	846.16	846.43	843.03	910.53	840.75	839.89	840.63	840.66	910.53	841.08
04U702	910.44	845.32	845.54	846.83	847.04	842.77	910.44	840.49	840.24	840.09	840.14	910.44	840.48
04J702	910.51	910.51	910.51	846.86	847.04	842.41	910.51	840.16	839.36	839.61	839.74	910.51	840.11
03U703	921.25	847.00	845.81	849.18	847.08	843.71	921.25	842.13	842.05	841.15	840.68	921.25	841.09
03U704	978.47	854.53	854.57	854.42	854.77	846.82	854.58	853.02	853.22	853.17	853.01	853.19	854.01
03U705	1049.55	854.75	854.74	1049.55	1049.55	1049.55	1049.55	853.41	853.72	853.60	853.46	1049.55	854.53
03U706	920.63	854.56	854.77	854.69	855.03	856.18	854.58	853.16	853.53	853.58	853.37	853.51	854.37
03U707	918.28	854.88	855.17	855.30	855.58	856.81	918.28	853.73	854.18	854.24	854.03	918.28	855.10
03U708	921.97	847.52	847.39	848.90	848.82	845.62	921.97	843.87	842.86	842.67	842.70	921.97	843.02
04U708	921.66	847.10	846.54	848.11	847.55	844.45	921.66	842.08	841.35	841.16	841.36	921.66	841.78
04J708	922.04	922.04	922.04	847.35	847.40	843.74	922.04	841.64	840.86	840.68	840.83	922.04	841.26
03U709	912.63	846.36	846.56	848.13	848.03	844.53	912.63	842.63	841.79	841.68	841.86	912.63	842.25
04U709	912.52	846.86	846.26	848.07	847.57	844.08	912.52	841.04	841.36	840.22	840.37	912.52	840.76
03U710	946.76	848.25	847.82	849.38	848.91	845.57	946.76	843.80	843.47	842.88	842.86	946.76	843.16
03U711	908.81	846.25	846.36	847.54	847.60	843.85	842.60	841.93	841.21	841.01	841.29	840.00	841.69
04U711	908.73	845.22	845.58	846.92	846.68	842.78	841.23	840.68	840.19	839.93	840.34	840.90	840.52
03M713	898.41	898.41	898.41	846.41	846.40	842.11	840.21	840.06	839.56	839.61	839.81	839.59	840.31
04U713	897.73	897.73	897.73	848.34	848.35	844.08	842.45	842.55	841.82	841.83	841.99	841.81	842.58
04J713	898.38	898.38	898.38	847.03	846.95	842.08	840.22	840.04	839.30	839.38	839.67	839.41	839.98
04U714	893.89	893.89	893.89	846.50	846.68	843.13	840.99	840.80	840.54	840.59	840.83	840.54	841.33
04J714	894.19	894.19	894.19	846.63	846.68	843.19	840.86	840.68	840.40	840.48	840.71	840.47	841.18
03U715	963.59	963.59	963.59	852.16	852.36	850.99	850.07	848.76	848.24	848.19	848.20	848.06	848.79
03U716	952.10	952.10	952.10	851.55	839.30	849.75	848.56	847.69	847.00	846.95	847.05	846.89	847.68
E101	970.12												
E102	981.54												
E103	971.61												
S.G. #1	860.42					866.05		863.68			864.62		865.22

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*06/03/91*	*09/03/91*	*09/27/91*	*12/06/91*	*03/24/92*	*06/01/92*	*09/01/92*	*10/08/92*	*03/02/93*	*09/10/93*	*03/01/94*	*09/02/94*
04U510	911.19	911.19	911.19	860.83	911.19	862.56	911.19	911.19	862.18	863.12	865.00	865.84	864.03
OW543U3	958.99	958.99	958.99	846.86	958.99	848.59	958.99	958.99	848.68	849.56	850.79	852.78	851.82
03U647	962.25	962.25	962.25	847.35	962.25	849.31	962.25	962.25	849.84	850.61	851.70	853.65	852.72
03U648	963.14	963.14	963.14	847.59	963.14	849.56	963.14	963.14	850.07	850.87	851.97	853.90	852.94
03U658	966.24	966.24	966.24	848.29	966.24	850.28	966.24	966.24	850.86	851.63	852.76	854.59	853.69
03U659	958.62	958.62	958.62	845.89	958.62	847.80	958.62	958.62	848.36	849.15	850.26	852.30	851.35
03U671	933.13	933.13	933.13	842.99	933.13	844.82	933.13	933.13	845.39	846.24	847.53	849.54	848.45
03U674	957.21	957.21	957.21	844.56	957.21	846.42	957.21	957.21	846.97	847.82	848.97	851.11	850.15
03U701	911.10	911.10	911.10	840.80	911.10	842.75	911.10	911.10	843.02	843.98	845.28	846.98	845.48
04U701	911.24	911.24	911.24	839.19	911.24	841.06	911.24	911.24	841.26	842.13	843.44	845.08	843.55
03U702	910.53	910.53	910.53	840.42	910.53	842.35	910.53	910.53	842.61	843.58	844.87	846.55	845.03
04U702	910.44	910.44	910.44	839.87	910.44	841.82	910.44	910.44	842.00	842.95	844.26	845.92	844.37
04J702	910.51	910.51	910.51	839.53	910.51	841.46	910.51	910.51	841.56	842.49	843.80	845.45	843.87
03U703	921.25	921.25	921.25	840.10	921.25	841.90	921.25	921.25	842.69	843.55	845.01	846.90	846.05
03U704	978.47	854.25	853.57	854.02	855.25	856.04	856.47	855.45	855.97	857.01	858.41	859.99	858.81
03U705	1049.55	854.80	854.05	854.55	855.80	856.64	857.03	855.98	856.53	857.54	858.80	860.55	859.30
03U706	920.63	854.65	853.87	854.45	855.59	856.39	854.57	855.61	856.21	857.27	858.73	860.24	858.91
03U707	918.28	918.28	918.28	855.14	918.28	857.11	918.28	918.28	856.80	857.88	859.37	860.84	859.36
03U708	921.97	921.97	921.97	842.42	921.97	844.22	921.97	921.97	844.83	845.67	847.02	848.93	847.76
04U708	921.66	921.66	921.66	841.35	921.66	843.23	921.66	921.66	843.62	844.52	845.81	847.44	846.09
04J708	922.04	922.04	922.04	840.81	922.04	842.63	922.04	922.04	843.00	843.88	845.03	846.66	845.28
03U709	912.63	912.63	912.63	841.74	912.63	843.64	912.63	912.63	844.00	844.91	846.29	848.03	846.67
04U709	912.52	912.52	912.52	840.32	912.52	842.20	912.52	912.52	842.51	843.44	844.66	846.31	844.89
03U710	946.76	946.76	946.76	842.54	946.76	844.32	946.76	946.76	845.14	845.90	847.11	849.03	848.07
03U711	908.81	841.33	839.64	839.95	842.59	843.50	843.40	842.99	843.42	844.26	845.68	847.27	845.99
04U711	908.73	840.28	840.73	840.84	841.44	841.91	842.17	841.78	842.32	843.19	844.37	846.05	844.52
03M713	898.41	840.03	839.15	839.60	840.89	841.47	841.44	840.99	841.71	842.74	844.00	845.73	844.31
04U713	897.73	842.42	841.70	842.06	843.35	844.01	844.15	843.65	844.21	845.16	846.48	848.19	846.83
04J713	898.38	839.74	838.88	839.34	840.65	841.20	841.14	840.71	841.38	842.38	844.02	845.48	844.18
04U714	893.89	841.08	840.15	840.70	841.98	842.54	842.32	841.94	842.69	843.77	845.20	847.15	845.15
04J714	894.19	840.94	840.05	840.57	841.88	842.42	842.29	841.84	842.59	843.68	845.10	847.11	845.03
03U715	963.59	848.83	848.32	848.50	849.70	850.50	851.26	850.69	850.95	851.84	853.04	854.81	853.92
03U716	952.10	847.63	847.10	847.30	848.57	849.18	849.88	849.31	849.68	850.48	851.87	853.71	852.48
E101	970.12											859.33	858.12
E102	981.54											859.04	857.87
E103	971.61											859.71	858.51
S.G. #1	860.42			865.66		867.57			866.57	866.92	867.87	869.82	868.64

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*04/02/87*	*09/08/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*01/11/88*	*05/02/88*	*05/20/88*	*06/23/88*	*07/27/88*	*09/01/88*
S.G. #2	862.84			DRY			863.08		DRY	862.94			
S.G. #3	865.29			DRY			DRY		DRY				
OFF TCAAP													
MPCA6	914.40	850.43		846.97	846.84	846.93	846.97	847.36	846.81	846.26	844.25	843.41	843.03
03U672 (PD2U3)	923.72	857.40	854.74	853.62		853.47	853.62	853.14	854.05	853.55	852.95	851.52	850.18
03U673 (PD3U3)	897.84	850.51	847.79	847.19	846.62	846.99	847.19	846.29	846.89	846.54	845.48	844.59	843.66
03L673 (PD3L3)	898.44	848.90	845.84	845.37	845.04	845.29	844.83	844.99	845.37	844.93	843.46	842.49	841.66
04U673 (PD3U4)	898.34	848.96	845.86	844.41	845.09	845.34	844.88	845.06	845.40	844.95	843.42	842.47	841.68
03U801 (T1U3)	914.82	855.71	852.85	850.09	850.47	850.10	849.88	850.72	850.67	850.04	849.39	848.72	847.07
03M802 (T2M3)	907.38	855.93	853.08	851.34	851.64	851.39	851.80	850.72	851.34	850.67	850.33	848.99	847.61
03L802 (T2L3)	907.93	856.52	853.77	851.29	851.75	851.29	850.45	851.63	851.05	850.50	849.61	848.98	847.23
04U802 (T2U4)	905.95	854.04	851.02	849.63	849.61	849.60	849.30	849.75	849.90	849.38	848.17	847.31	853.21
PJ#802 (T2PJ)	905.07	853.47	850.57	849.58	849.40	849.37	849.10	849.49	849.67	849.16	847.84	846.97	845.94
03U803 (T3U3)	900.89	853.41	851.05	849.68	849.55	849.45	848.82	848.89	849.55	849.13	848.29	847.65	846.54
03U804 (T4U3)	913.02	855.16	851.87		849.98	849.77	849.54	850.66	850.15	849.66	848.87	848.50	847.18
03U805 (T5U3)	908.23	853.31	850.18	848.60	848.66		848.23	849.32	848.62	848.11	908.23	846.52	845.52
03U806 (T6U3)	911.96	852.79	849.56	848.78	848.88	848.71	848.44	849.01	848.76	848.19	846.51	845.81	845.10
03M806 (T6M3)	911.87	853.02	849.84	848.42	848.80	848.33	848.08	849.25	848.44	847.89	846.32	846.13	845.33
03L806 (T6L3)	912.16	852.93	849.72	848.36	848.89	848.28	848.28	849.10	848.38	847.81	846.24	845.99	845.22
04U806 (T6U4)	912.12	852.64	849.42	848.32	848.62	848.26	848.00	848.89	848.29	847.74	846.09	845.69	844.97
PJ#806 (T6PJ)	911.03	852.57	849.37	848.93	848.53	848.28	848.01	848.83	848.30	847.75	846.05	845.62	844.95
03L809 (T9L3)	914.32	853.30	850.14	849.42	849.37	849.36	849.02	850.12	849.34	848.78	847.02	846.34	845.84
03L841 (301L3)	911.91									911.91	911.91	911.91	911.91
03U841 (301U4)	912.47									913.77	913.77	913.77	913.77
04U847 (307U4)	916.10									916.10	916.10	916.10	916.10
PJ#074	956.46						854.08	839.57	854.40	853.90	852.59	851.13	849.35
03U026	977.84				857.12	857.20	857.32	857.45	857.53	857.20	854.09	854.49	853.45
03L833	908.02												
04U833	908.32												

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Well I.D.	*TOC Elevation*	*09/21/88*	*10/14/88*	*12/02/88*	*01/13/89*	*03/31/89*	*07/07/89*	*10/05/89*	*12/21/89*	*01/11/90*	*05/16/90*	*07/16/90*	*02/28/91*
S.G. #2	862.84							862.89			864.74		865.04
S.G. #3	865.29												865.53
OFF TCAAP													
MPCA6	914.40	842.78	843.11	914.40	844.14	841.30	914.40	839.10	838.65	838.95	839.01	914.40	839.26
03U672 (PD2U3)	923.72	851.04	849.59	849.82	850.23	847.85	846.72	845.86	845.55	845.42	845.31	844.92	845.68
03U673 (PD3U3)	897.84	843.24	843.44	843.39	843.80	841.95	840.46	840.09	839.13	839.33	839.14	838.84	839.13
03L673 (PD3L3)	898.44	841.35	841.65	842.03	842.36	840.38	838.59	838.35	837.75	837.94	837.94	837.51	837.95
04U673 (PD3U4)	898.34	841.40	841.69	842.12	838.43	840.45	838.79	838.43	837.84	838.03	838.04	837.60	838.08
03U801 (T1U3)	914.82	846.68	846.89	848.25	847.22	844.13	914.82	842.20	842.07	841.81	841.50	841.21	841.89
03M802 (T2M3)	907.38	847.38	847.11	848.68	847.63	843.93	907.38	842.73	842.68	842.28	841.88	841.50	842.36
03L802 (T2L3)	907.93	846.90	847.34	848.32	847.43	845.16	843.11	842.44	842.52	842.13	841.93	841.54	842.29
04U802 (T2U4)	905.95	845.81	846.00	846.65	846.61	844.07	905.95	841.93	841.65	841.65	841.65	841.25	841.94
PJ#802 (T2PJ)	905.07	845.62	845.78	846.42	846.42	843.97	905.07	841.95	841.49	841.52	841.57	841.13	841.73
03U803 (T3U3)	900.89	845.94	845.99	846.43	846.54	843.89	900.89	841.65	841.19	841.29	841.03	900.89	841.21
03U804 (T4U3)	913.02	846.48	846.88	847.92	847.57	843.87	913.02	841.90	841.36	841.39	841.27	913.02	841.61
03U805 (T5U3)	908.23	844.73	845.26	846.37	846.21	842.48	908.23	840.32	839.82	840.01	840.03	908.23	840.31
03U806 (T6U3)	911.96	844.70	844.90	845.96	846.26	842.71	911.96	840.48	840.02	840.28	840.35	839.93	840.74
03M806 (T6M3)	911.87	844.43	845.01	846.21	846.07	842.16	911.87	839.91	839.41	839.66	839.72	839.31	840.06
03L806 (T6L3)	912.16	844.37	844.95	846.11	846.01	842.10	840.26	839.86	839.36	839.61	839.68	839.26	840.01
04U806 (T6U4)	912.12	844.29	844.72	845.87	845.91	841.97	840.07	839.73	839.21	839.47	839.57	839.14	839.86
PJ#806 (T6PJ)	911.03	844.29	844.71	845.87	845.88	841.95	911.03	839.74	839.16	839.43	839.52	839.13	839.84
03L809 (T9L3)	914.32	845.29	845.79	846.57	846.57	843.56	914.32	841.17	840.92	841.17	841.22	914.32	841.46
03L841 (301L3)	911.91	911.91	911.91	911.91	911.91	911.91	911.91	911.91	911.91	911.91	837.39	911.91	837.41
03U841 (301U4)	912.47	913.77	913.77	913.77	913.77	913.77	913.77	913.77	913.77	913.77	838.79	913.77	838.77
04U847 (307U4)	916.10	916.10	916.10	916.10	916.10	916.10	916.10	916.10	916.10	916.10	838.20	916.10	838.38
PJ#074	956.46	850.04	849.13	850.65	850.76	848.99	956.46	845.96	846.28	846.24	956.46	956.46	956.46
03U026	977.84	853.18	852.98	853.14	853.29	852.89	977.84	850.54	850.34	850.24	977.84	977.84	977.84
03L833	908.02												
04U833	908.32												

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

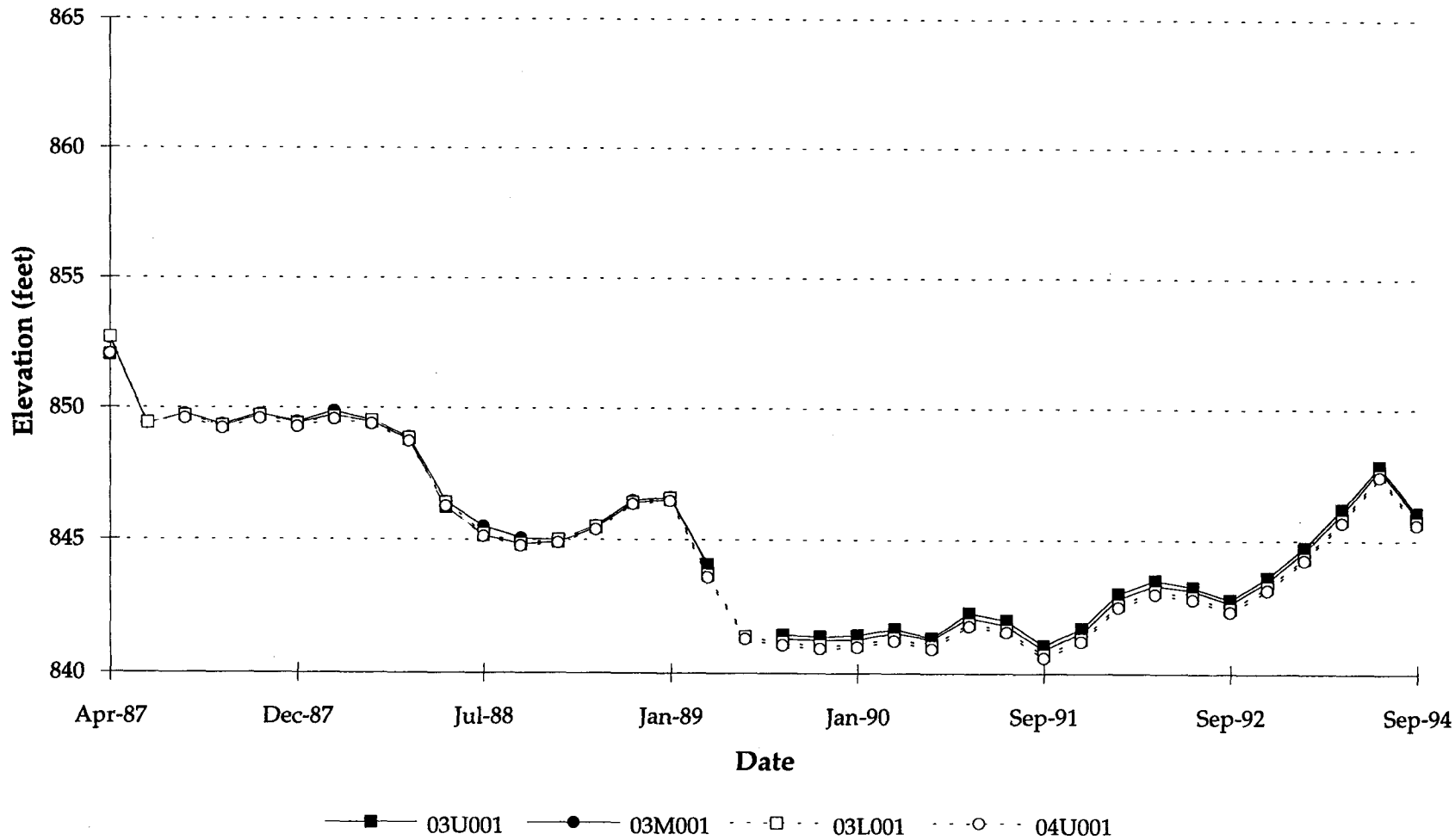
Well I.D.	*TOC Elevation*	*06/03/91*	*09/03/91*	*09/27/91*	*12/06/91*	*03/24/92*	*06/01/92*	*09/01/92*	*10/08/92*	*03/02/93*	*09/10/93*	*03/01/94*	*09/02/94*
S.G. #2	862.84			865.89		867.81			866.81	868.14	868.14	870.04	868.88
S.G. #3	865.29			866.04		867.47			866.47	867.59	867.59		
OFF TCAAP													
MPCA6	914.40	914.40	914.40	838.60	914.40	840.55	914.40	914.40	840.78	841.80	843.15	844.71	843.17
03U672 (PD2U3)	923.72	845.36	845.11	845.05	846.32	846.90	847.68	847.34	847.76	848.40	849.51	851.36	850.47
03U673 (PD3U3)	897.84	838.73	838.19	838.39	839.50	840.08	840.61	840.11	840.82	841.53	842.74	844.14	843.84
03L673 (PD3L3)	898.44	837.67	836.99	837.29	838.54	838.66	839.48	838.96	839.68	840.46	841.67	843.20	841.87
04U673 (PD3U4)	898.34	837.79	837.12	837.44	838.69	839.82	839.59	839.10	839.79	840.62	841.82	843.35	841.99
03U801 (T1U3)	914.82	842.12	841.17	841.28	842.52	843.15	843.73	843.47	843.87	844.62	846.01	847.59	846.56
03M802 (T2M3)	907.38	841.80	841.43	841.51	842.76	843.30	844.01	843.83	844.15	844.86	846.29	848.00	847.03
03L802 (T2L3)	907.93	841.92	841.53	841.69	842.93	843.51	844.11	843.87	844.29	845.00	846.33	847.93	846.93
04U802 (T2U4)	905.95	841.68	841.20	841.44	842.67	843.22	843.67	843.38	843.89	844.70	845.93	847.53	846.44
PJ#802 (T2PJ)	905.07	841.49	840.97	841.21	842.43	842.95	843.14	842.95	843.54	844.30	845.51	847.07	845.82
03U803 (T3U3)	900.89	900.89	900.89	840.49	900.89	842.25	900.89	900.89	843.08	843.79	845.11	846.53	845.52
03U804 (T4U3)	913.02	913.02	913.02	841.13	913.02	843.07	913.02	913.02	843.51	844.34	845.77	847.31	846.08
03U805 (T5U3)	908.23	908.23	908.23	839.76	908.23	841.73	908.23	908.23	842.01	842.93	844.26	845.85	844.44
03U806 (T6U3)	911.96	840.44	839.70	840.06	841.39	842.04	842.10	841.66	842.29	843.25	844.57	846.24	844.75
03M806 (T6M3)	911.87	839.72	839.07	839.42	840.73	841.45	841.47	841.03	841.63	842.57	843.91	845.54	844.02
03L806 (T6L3)	912.16	839.74	839.02	839.38	840.70	841.42	841.43	841.00	841.60	842.57	843.89	845.53	844.03
04U806 (T6U4)	912.12	839.57	838.86	839.23	840.55	841.22	841.22	840.77	841.41	842.37	843.67	845.32	843.79
PJ#806 (T6PJ)	911.03	839.55	838.83	839.20	840.52	841.17	841.16	840.73	841.38	842.33	843.67	845.25	843.74
03L809 (T9L3)	914.32	914.32	914.32	840.83	914.32	842.80	914.32	914.32	843.02	843.99	845.32	846.94	845.36
03L841 (301L3)	911.91	911.91	911.91	836.66	911.91	838.61	911.91	911.91	838.99	839.85	841.05	842.59	841.13
03U841 (301U4)	912.47	913.77	913.77	838.10	913.77	840.05	913.77	913.77	840.42	841.28	842.50	842.75	841.27
04U847 (307U4)	916.10	916.10	916.10	837.70	916.10	839.65	916.10	916.10	839.91	840.93	842.22	843.80	842.20
PJ#074	956.46	956.46	956.46	956.46	956.46		956.46	956.46					
03U026	977.84	977.84	977.84	977.84	977.84		977.84	977.84					
03L833	908.02											845.62	844.05
04U833	908.32											845.20	843.57

Appendix F.2

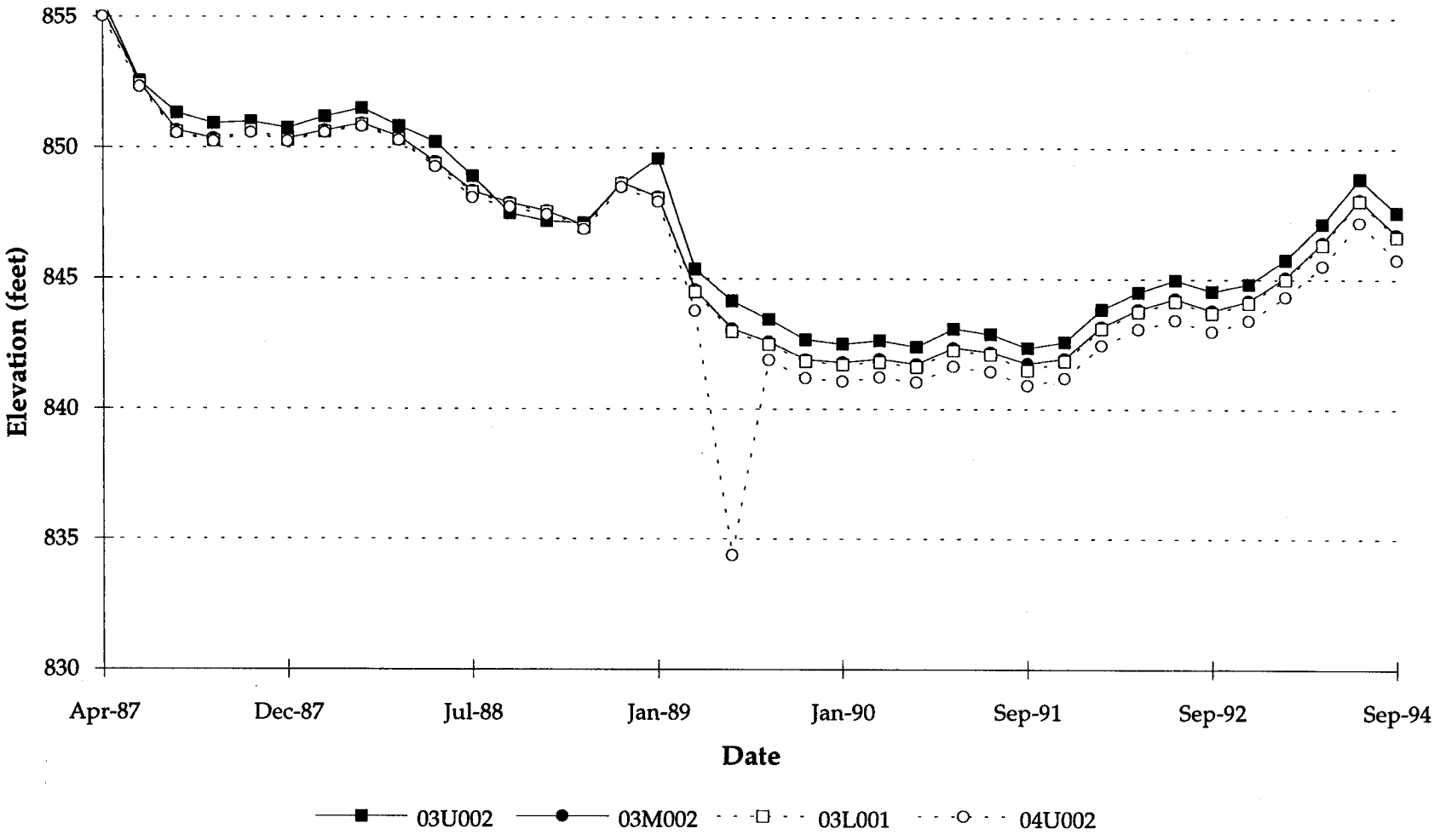
Hydrograph - 001 Nest

APPENDIX F.2

HYDROGRAPH - 001 NEST

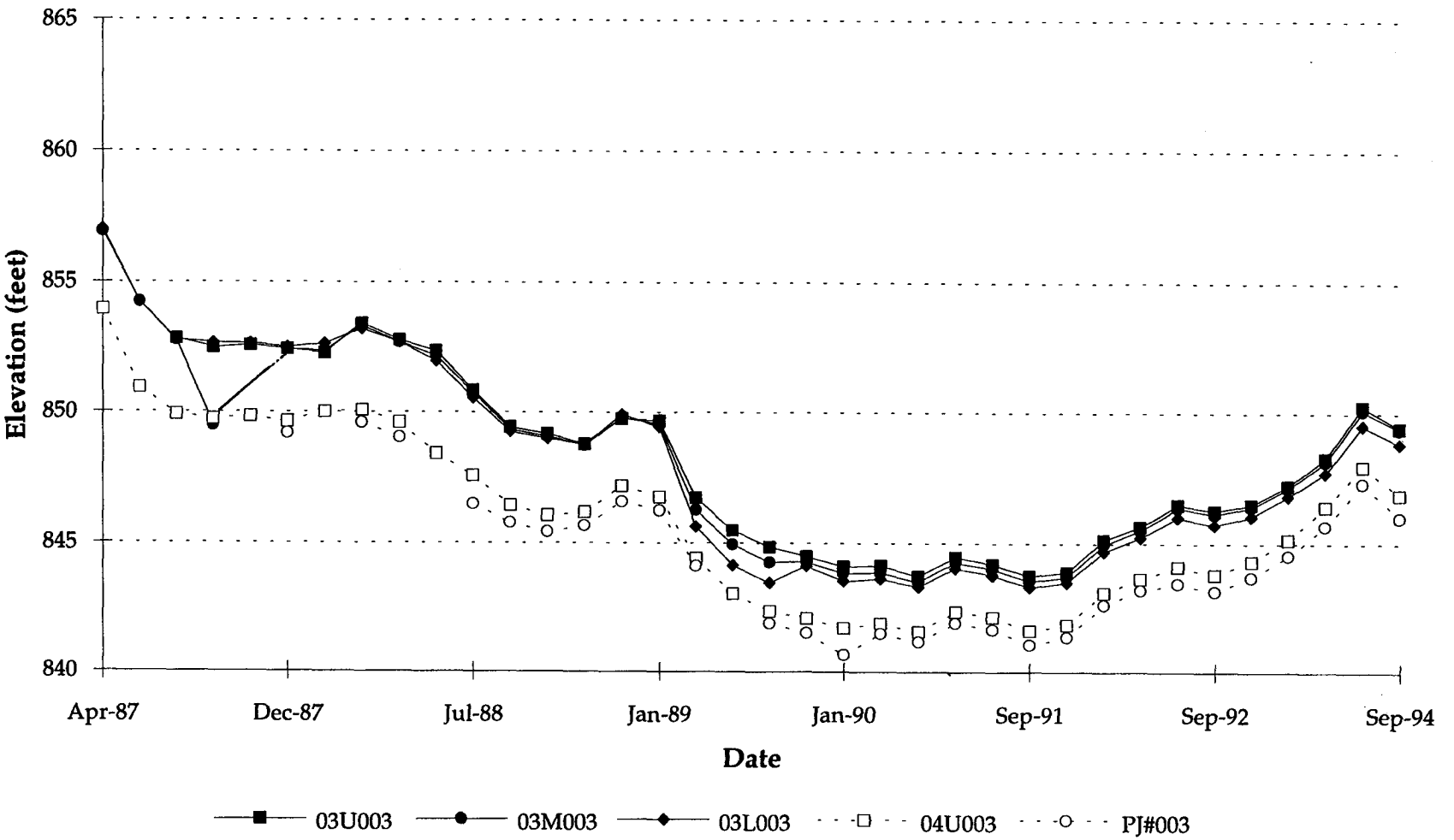


HYDROGRAPH - 002 NEST

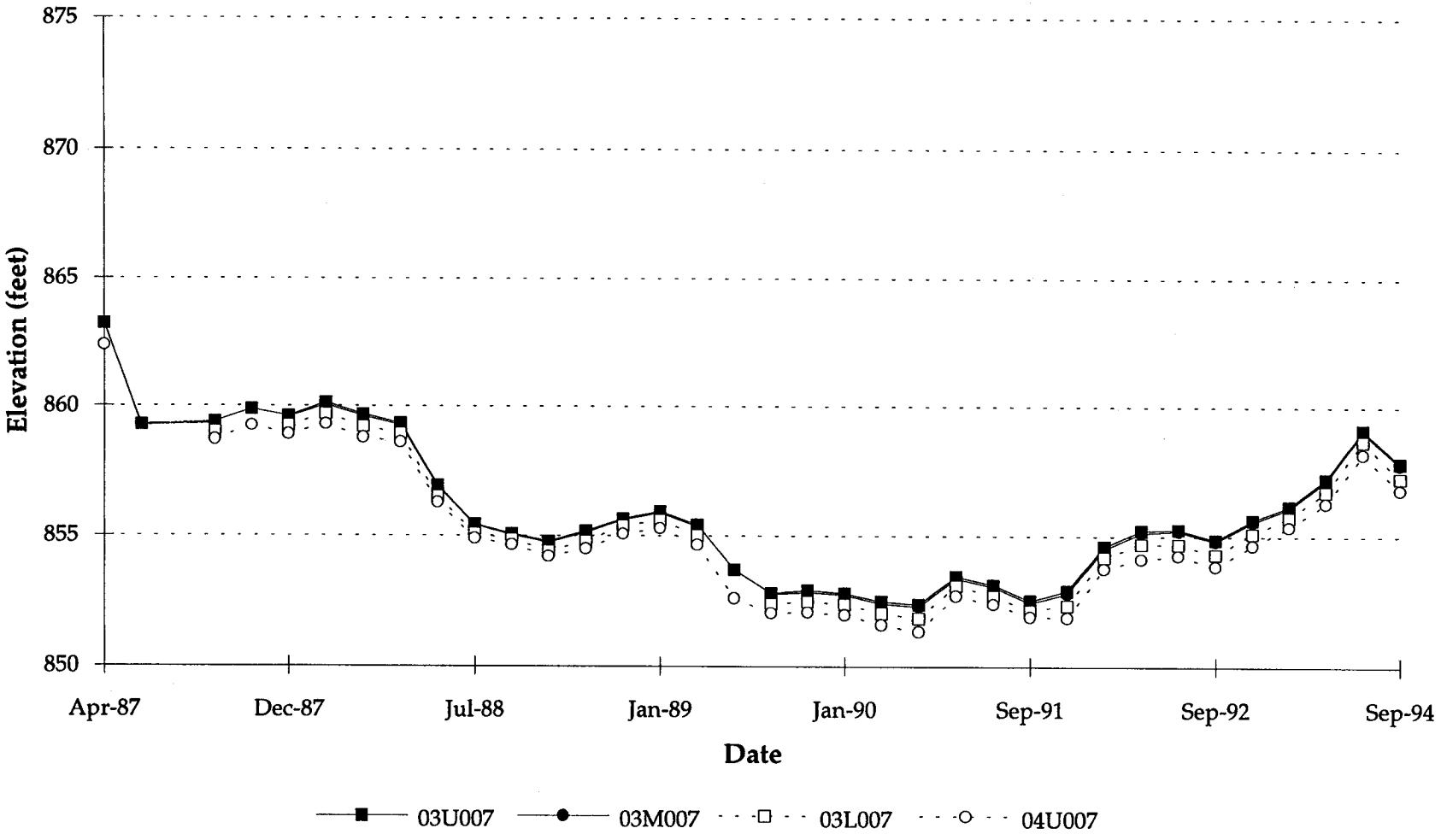


APPENDIX F.2

HYDROGRAPH - 003 NEST

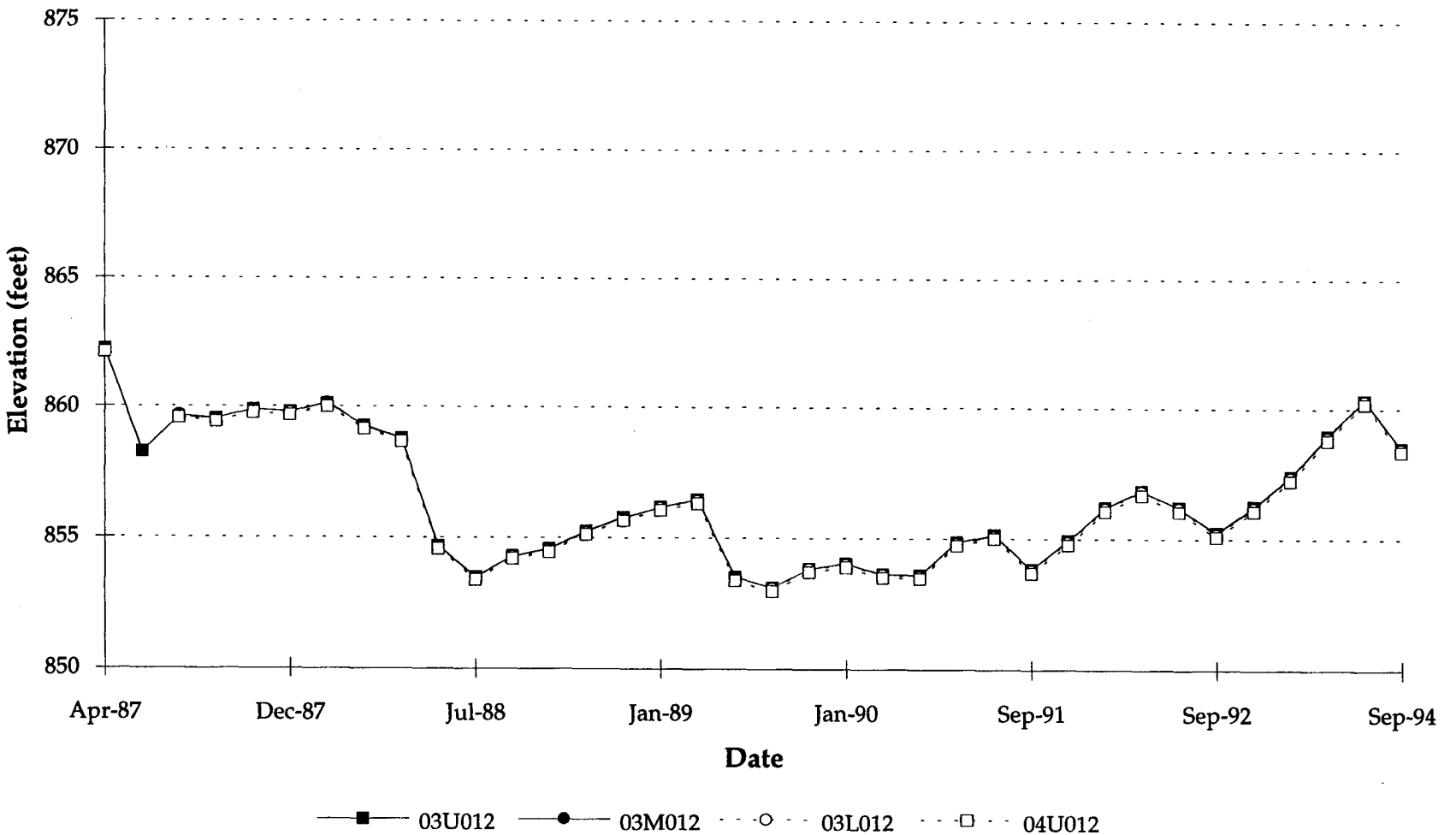


HYDROGRAPH - 007 NEST

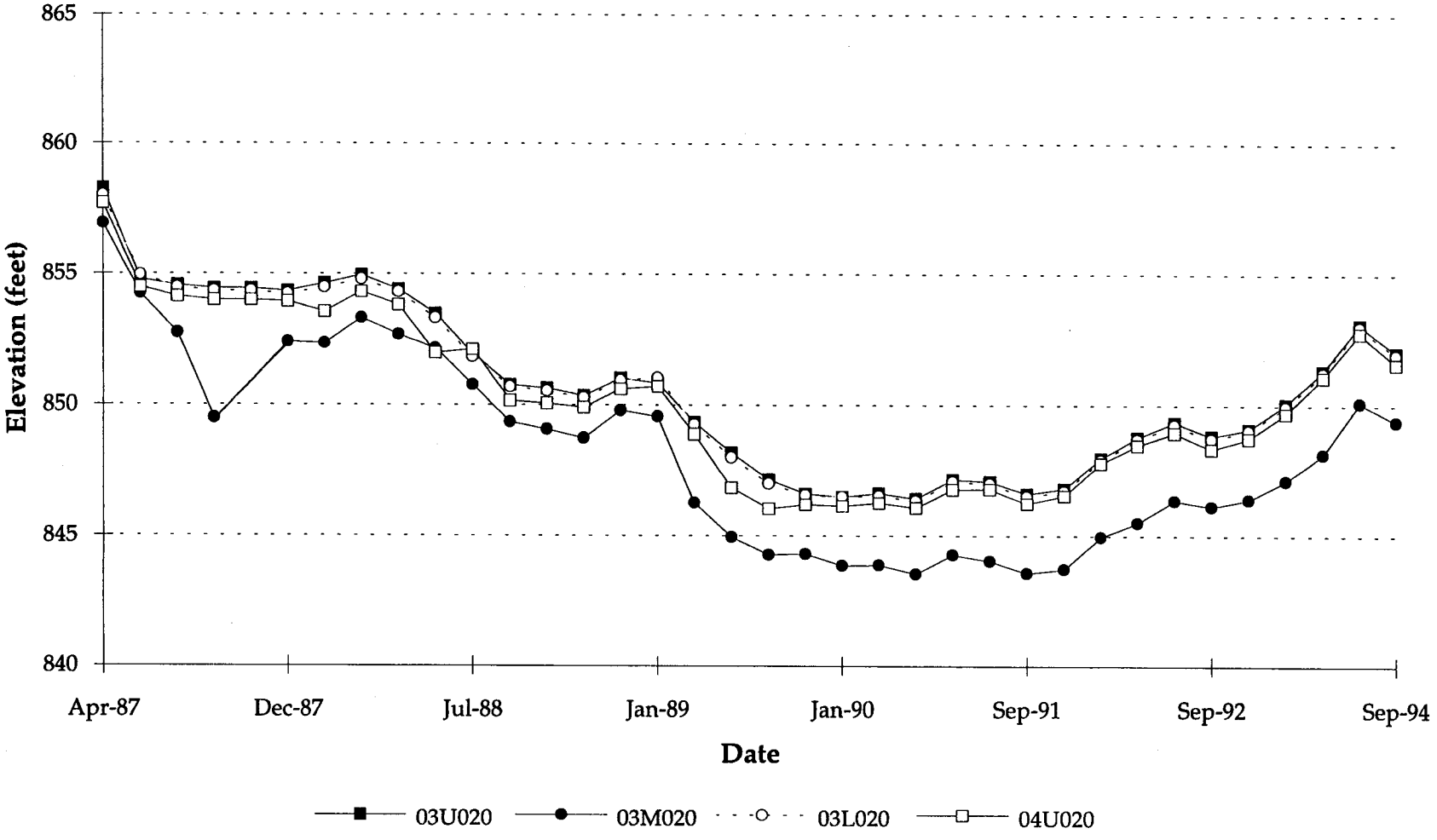


APPENDIX F.2

HYDROGRAPH - 012 NEST

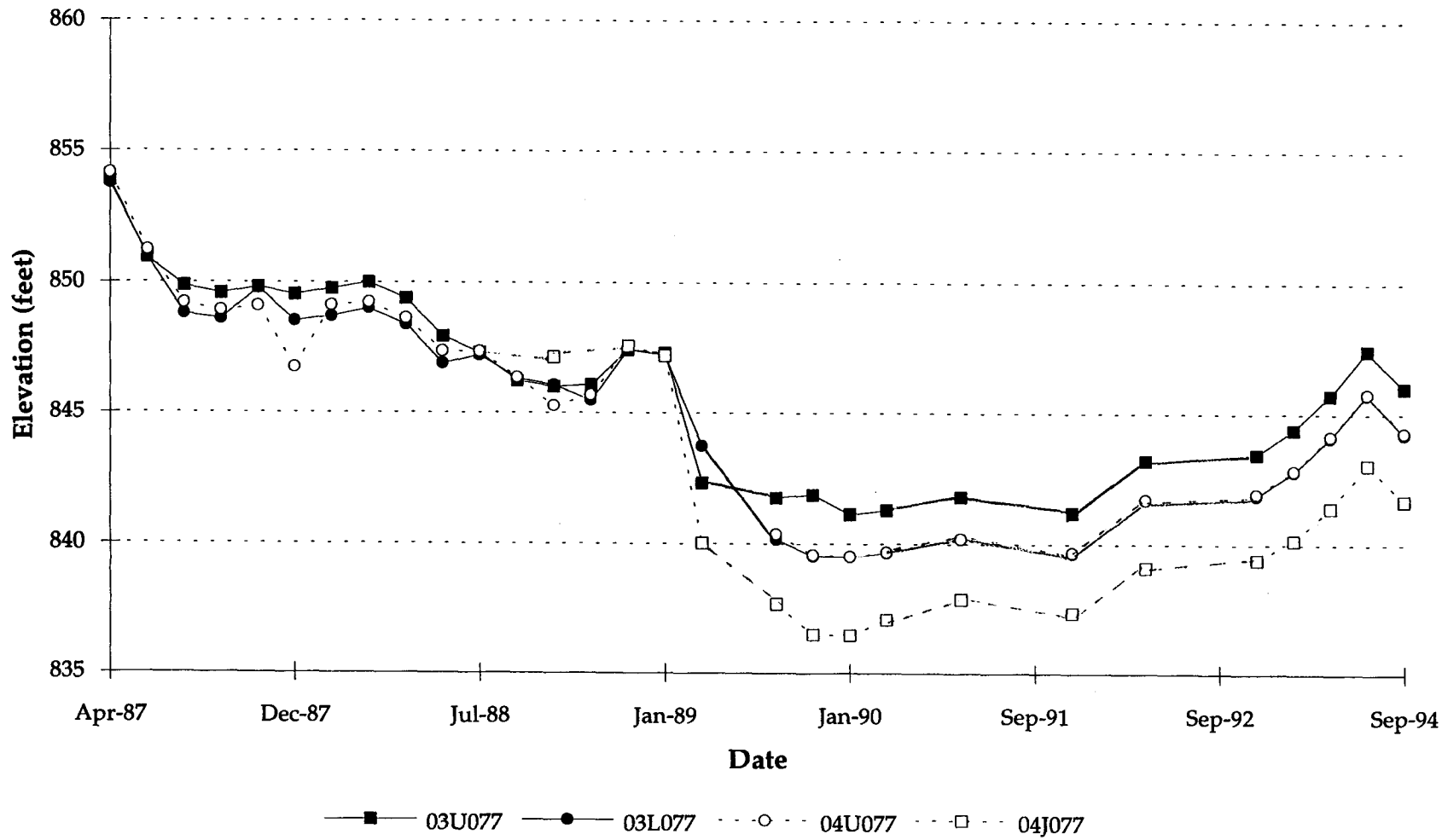


HYDROGRAPH - 020 NEST

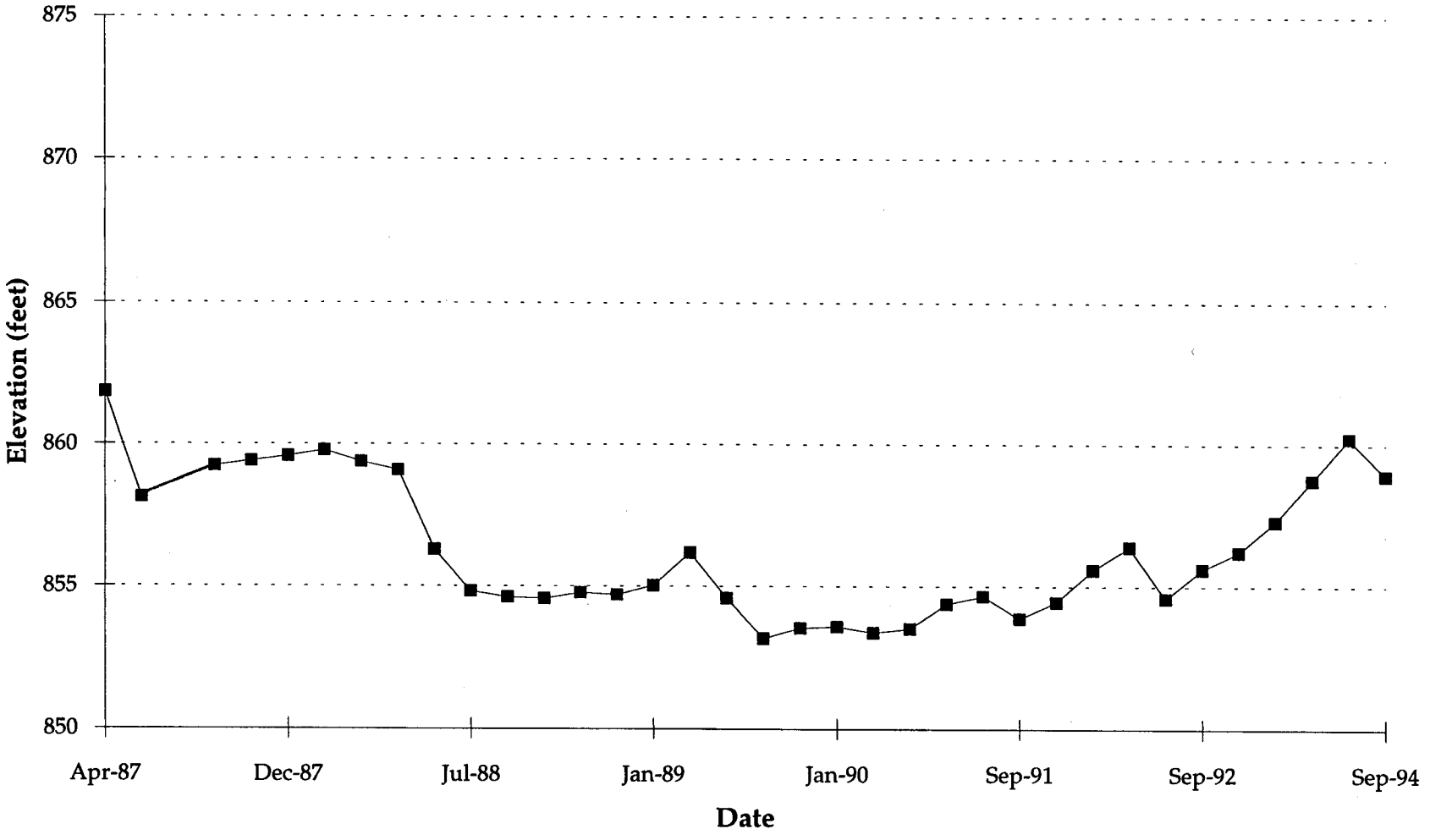


APPENDIX F.2

HYDROGRAPH - 077 NEST



HYDROGRAPH - 706 WELL



APPENDIX G

Appendix G

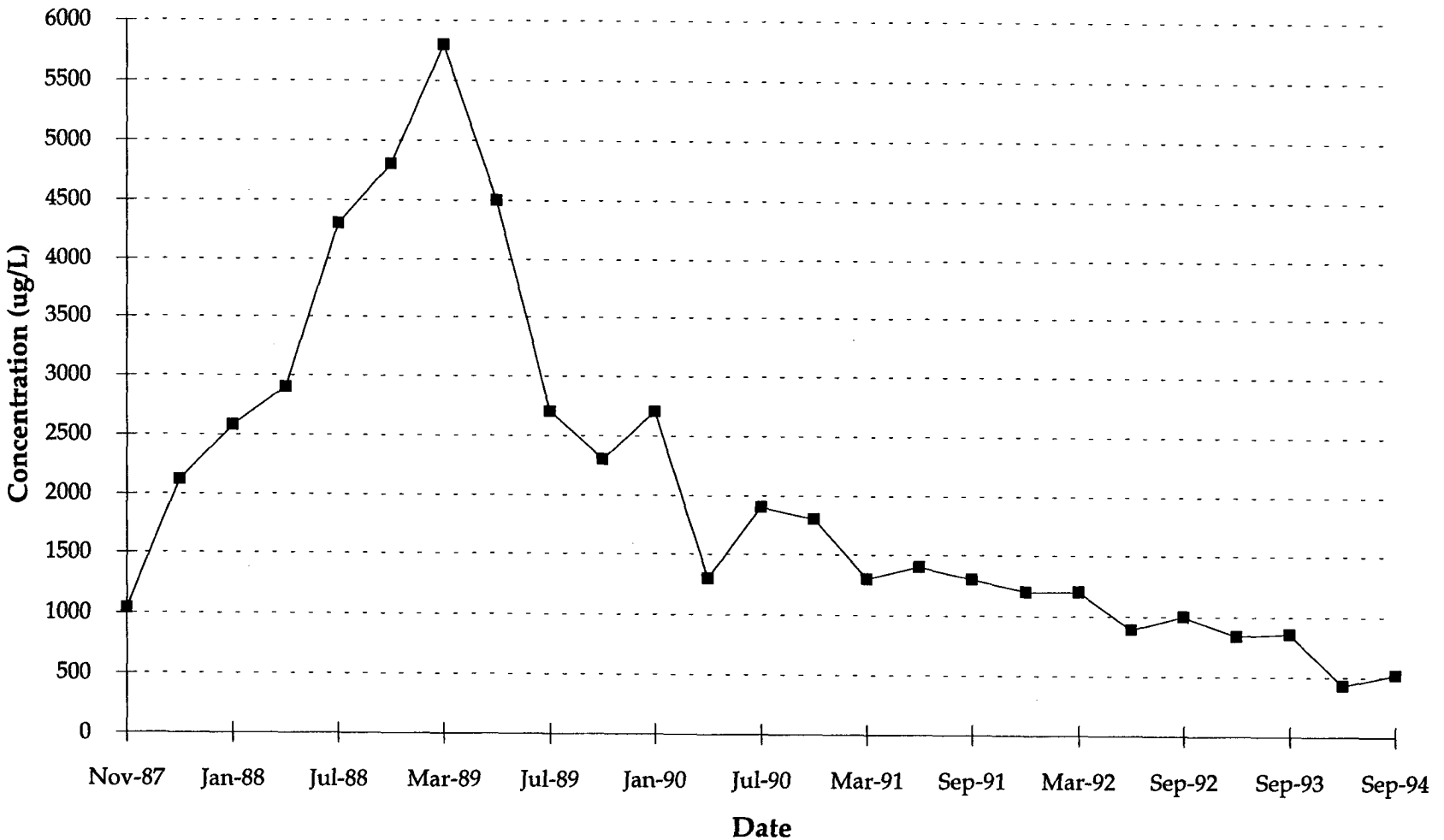
TGRS Chemical Data

Appendix G.1

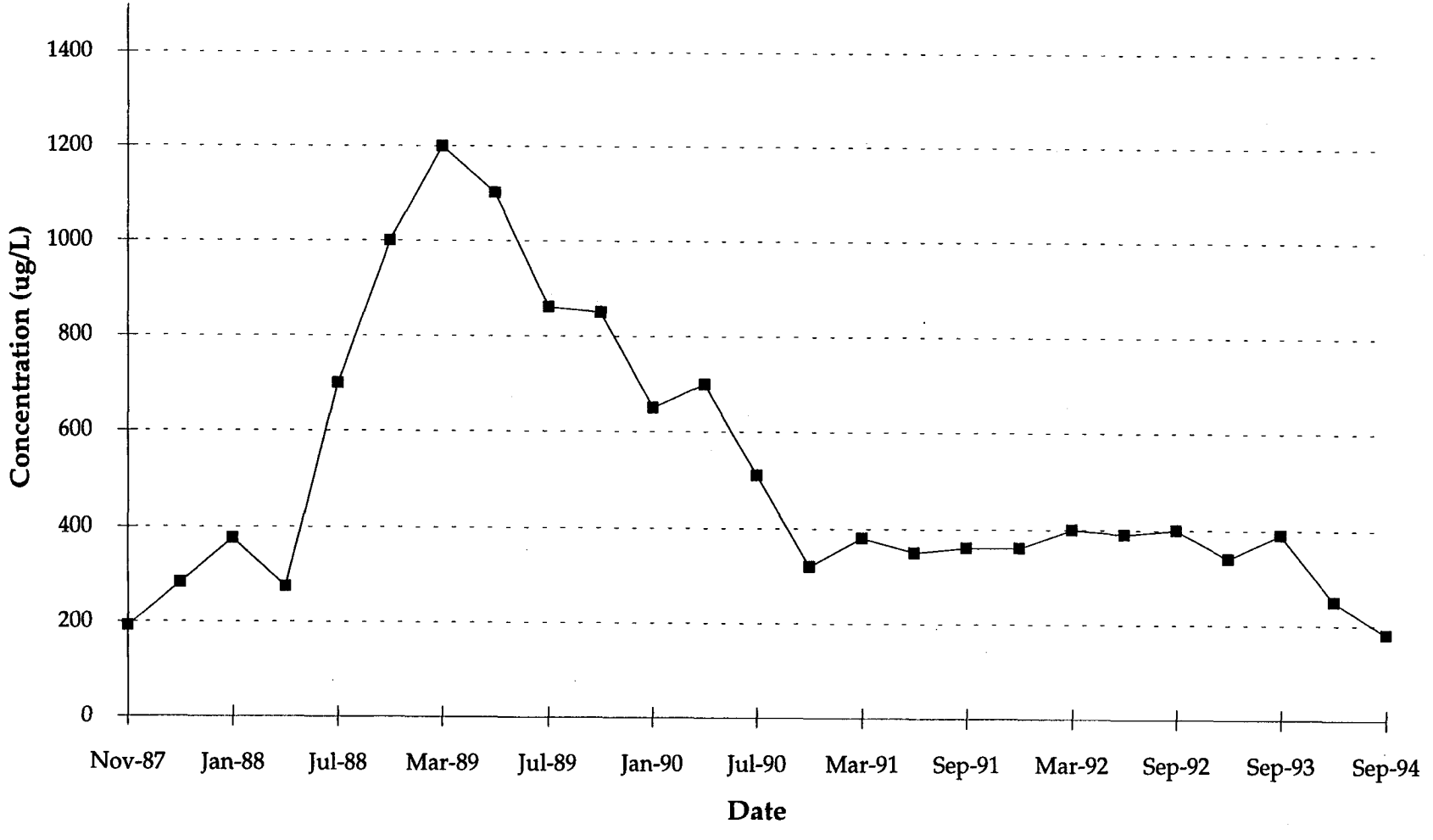
Extraction Well B1 - TRCLE vs. Time

APPENDIX G.1

EXTRACTION WELL B1 - TRCLE VS. TIME

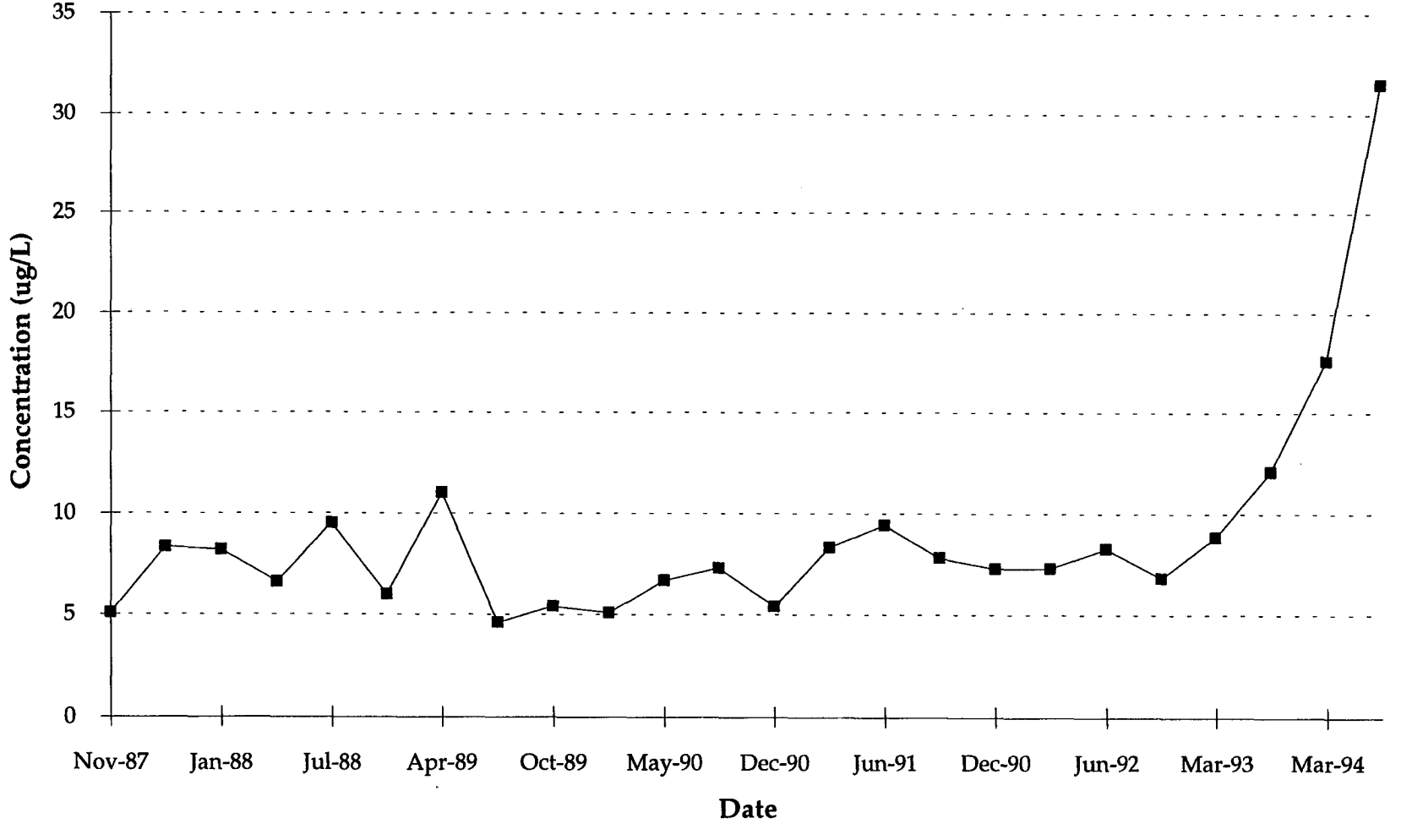


EXTRACTION WELL B2 - TRCLE VS. TIME

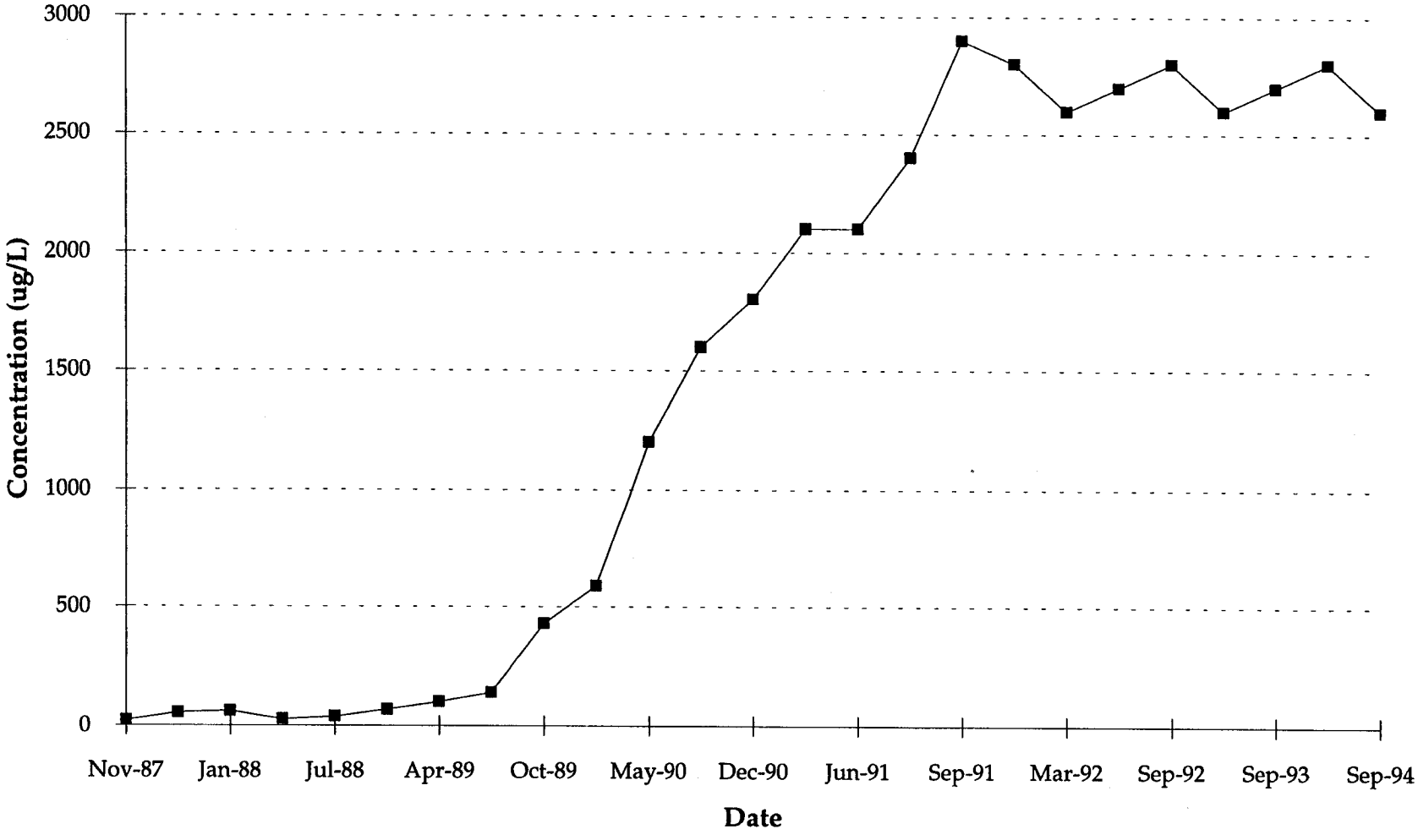


APPENDIX G.1

EXTRACTION WELL B3 - TRCLE VS. TIME

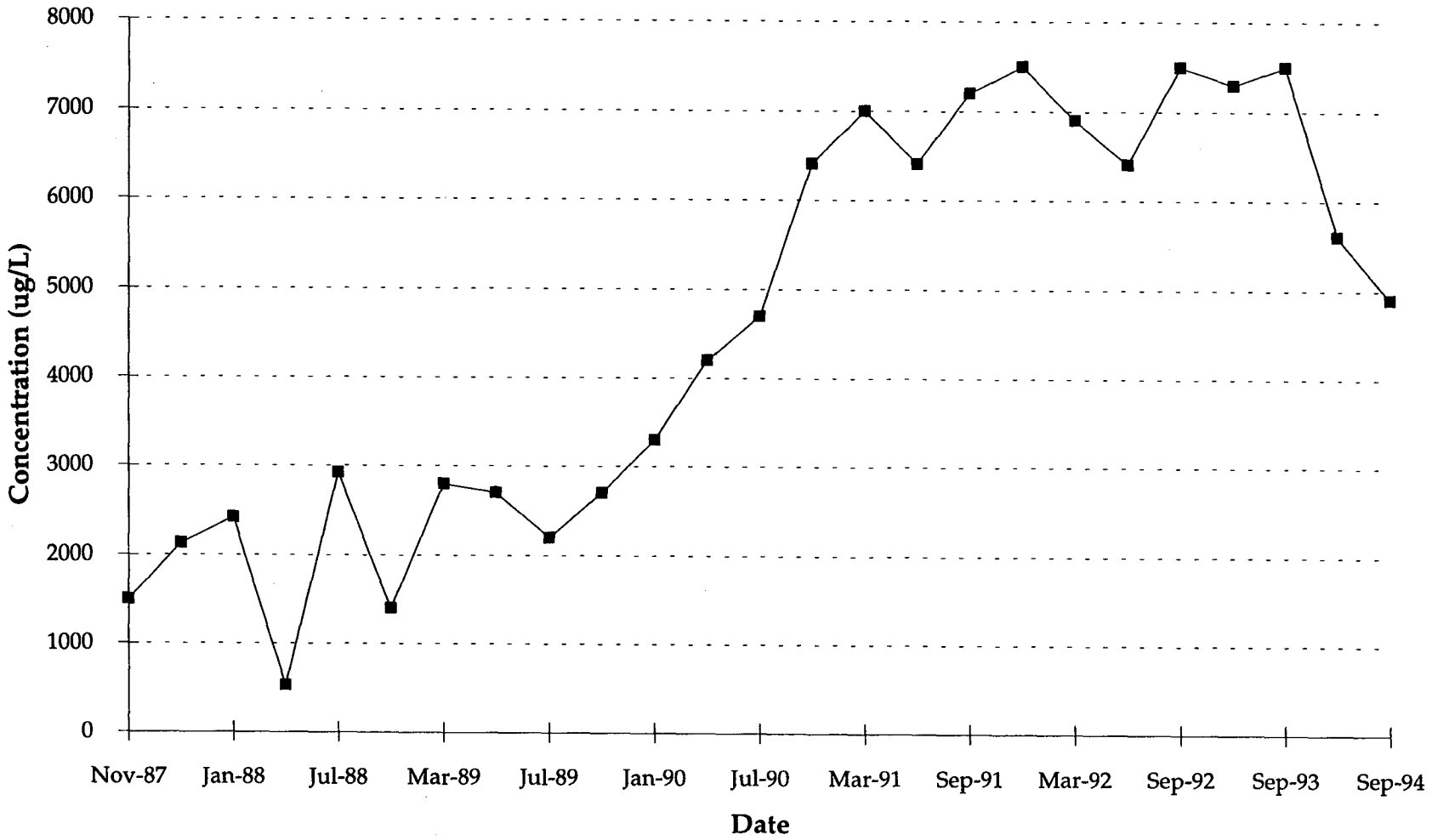


EXTRACTION WELL B4 - TRCLE VS. TIME

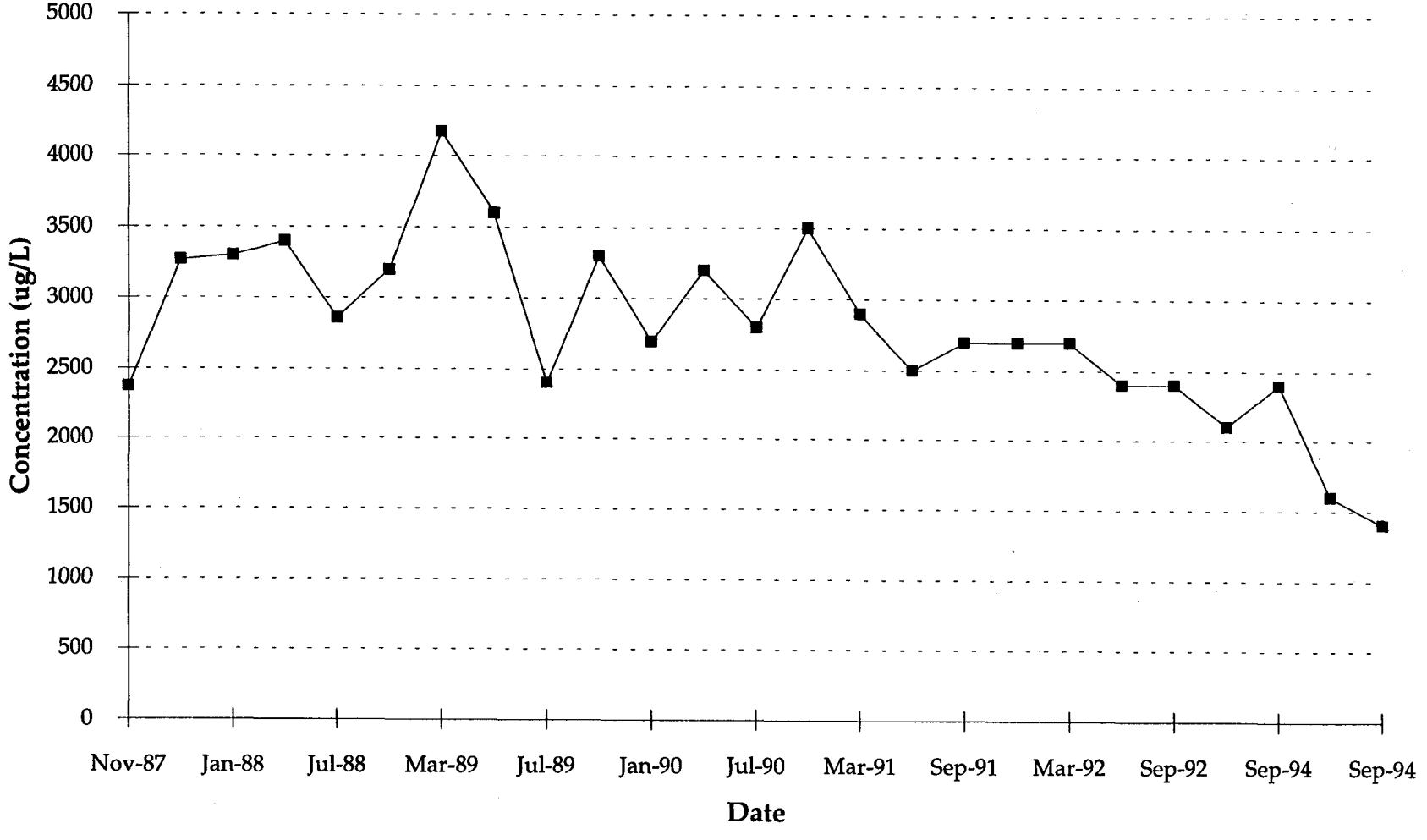


APPENDIX G.1

EXTRACTION WELL B5 - TRCLE VS. TIME

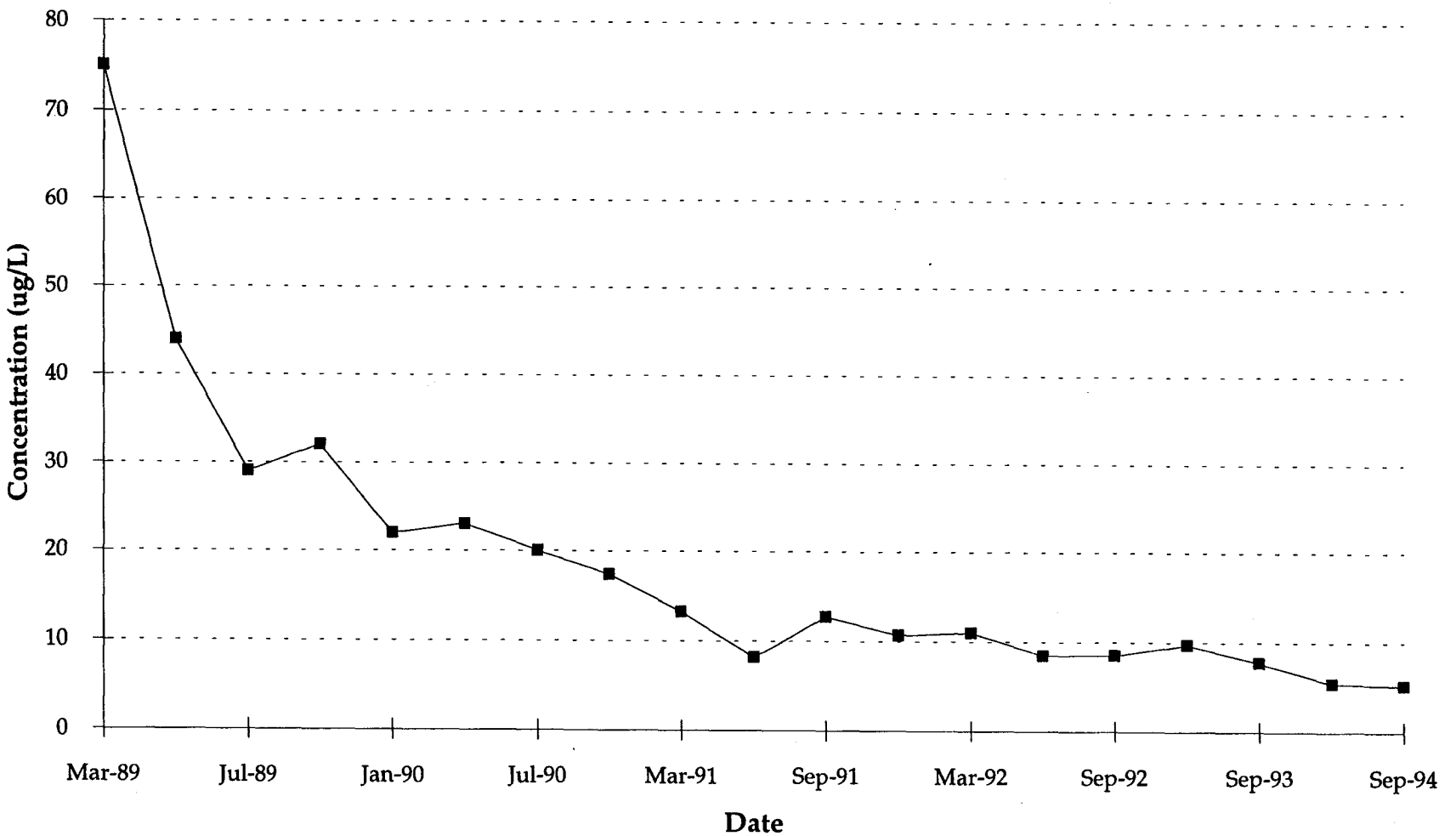


EXTRACTION WELL B6 - TRCLE VS. TIME

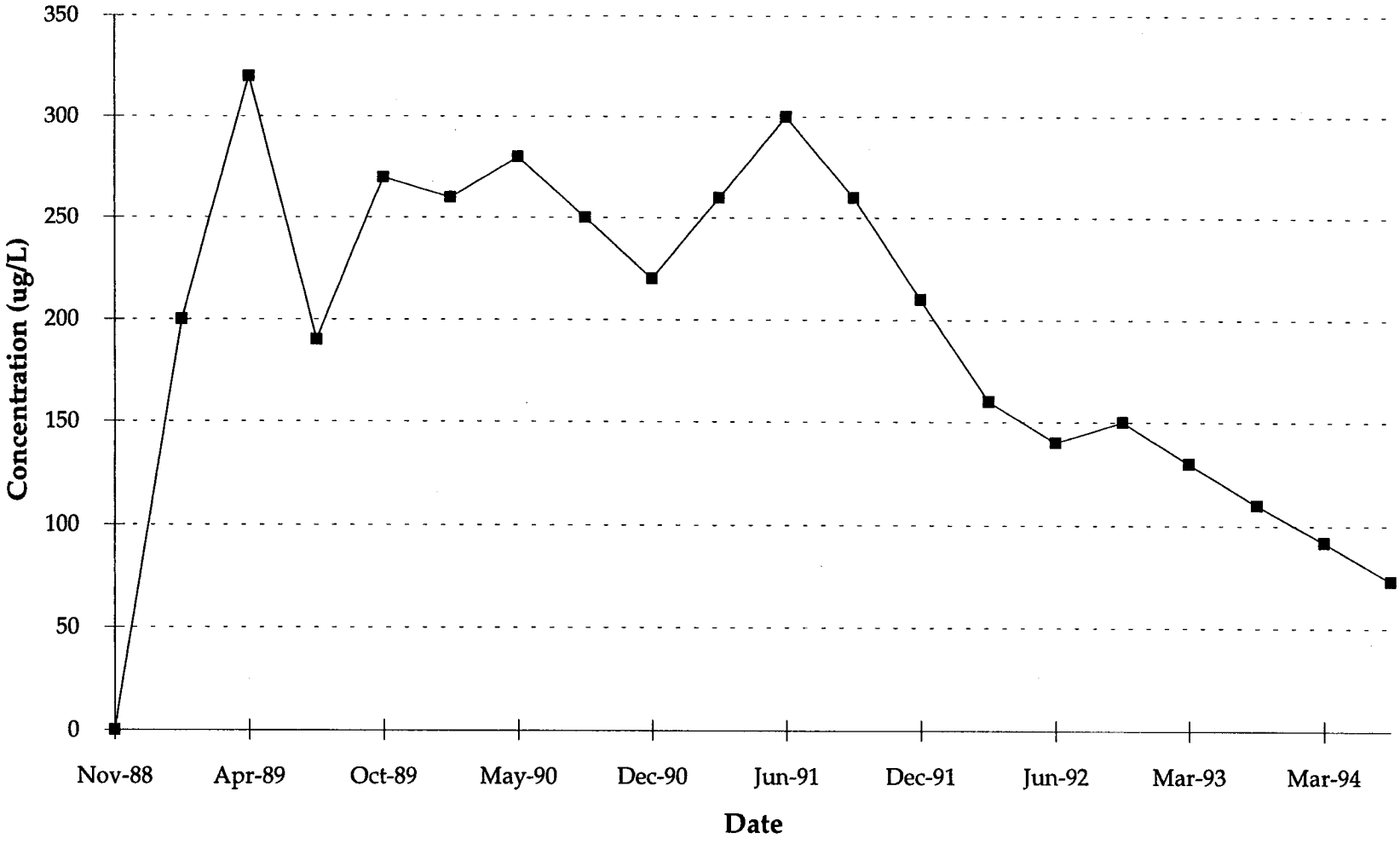


APPENDIX G.1

EXTRACTION WELL B7 - TRCLE VS. TIME

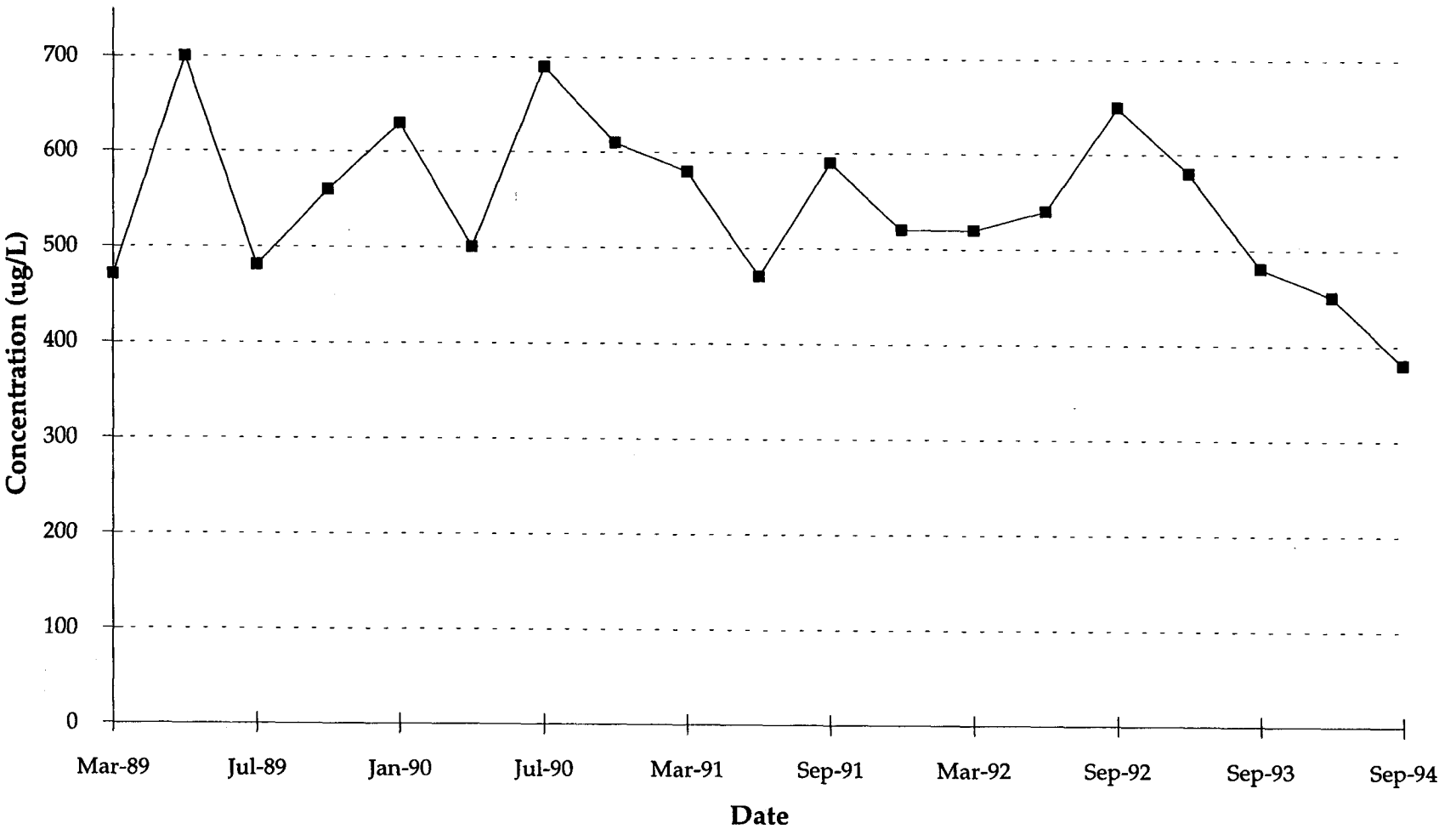


EXTRACTION WELL B8 - TRCLE VS. TIME

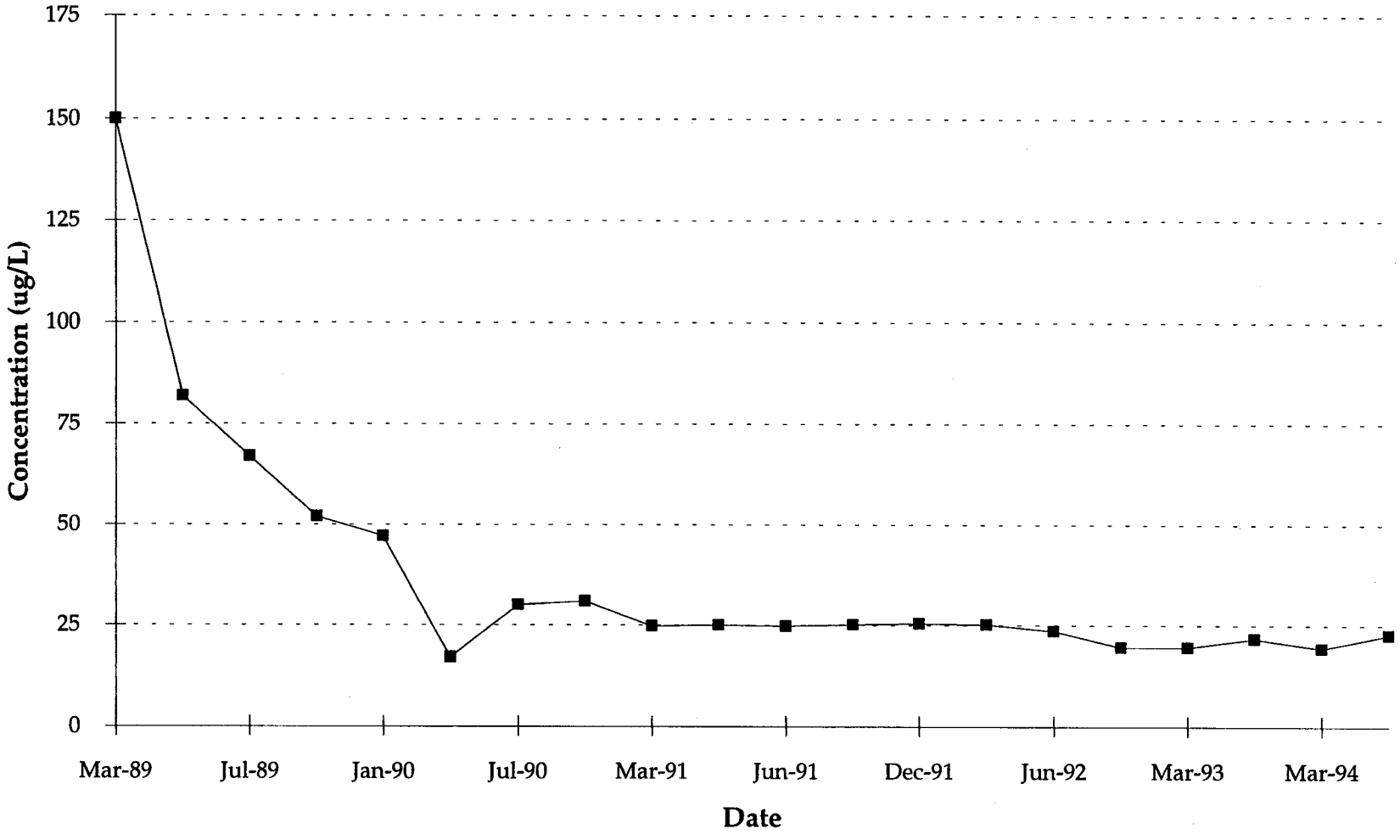


APPENDIX G.1

EXTRACTION WELL B9 - TRCLE VS. TIME

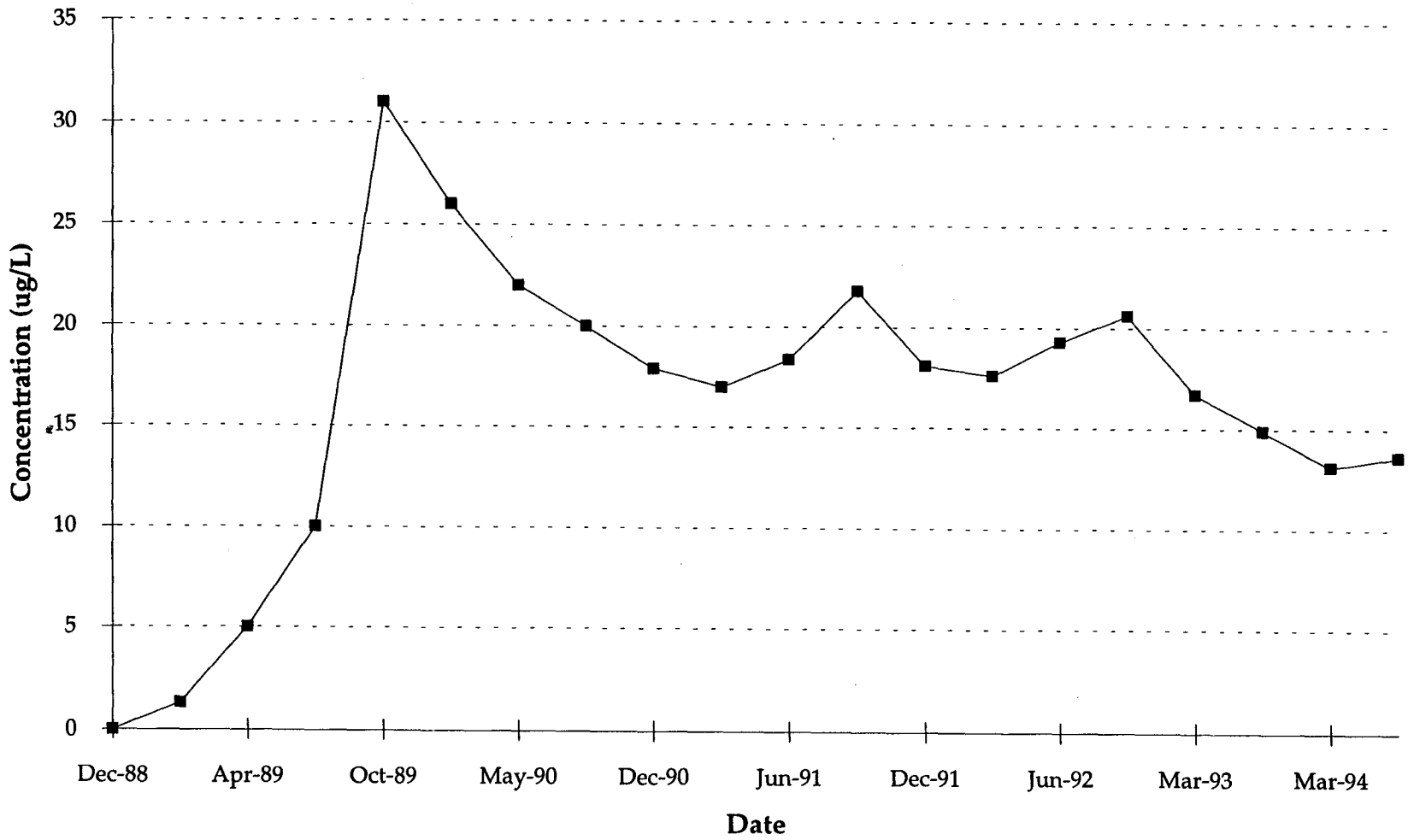


EXTRACTION WELL B10 - TRCLE VS. TIME



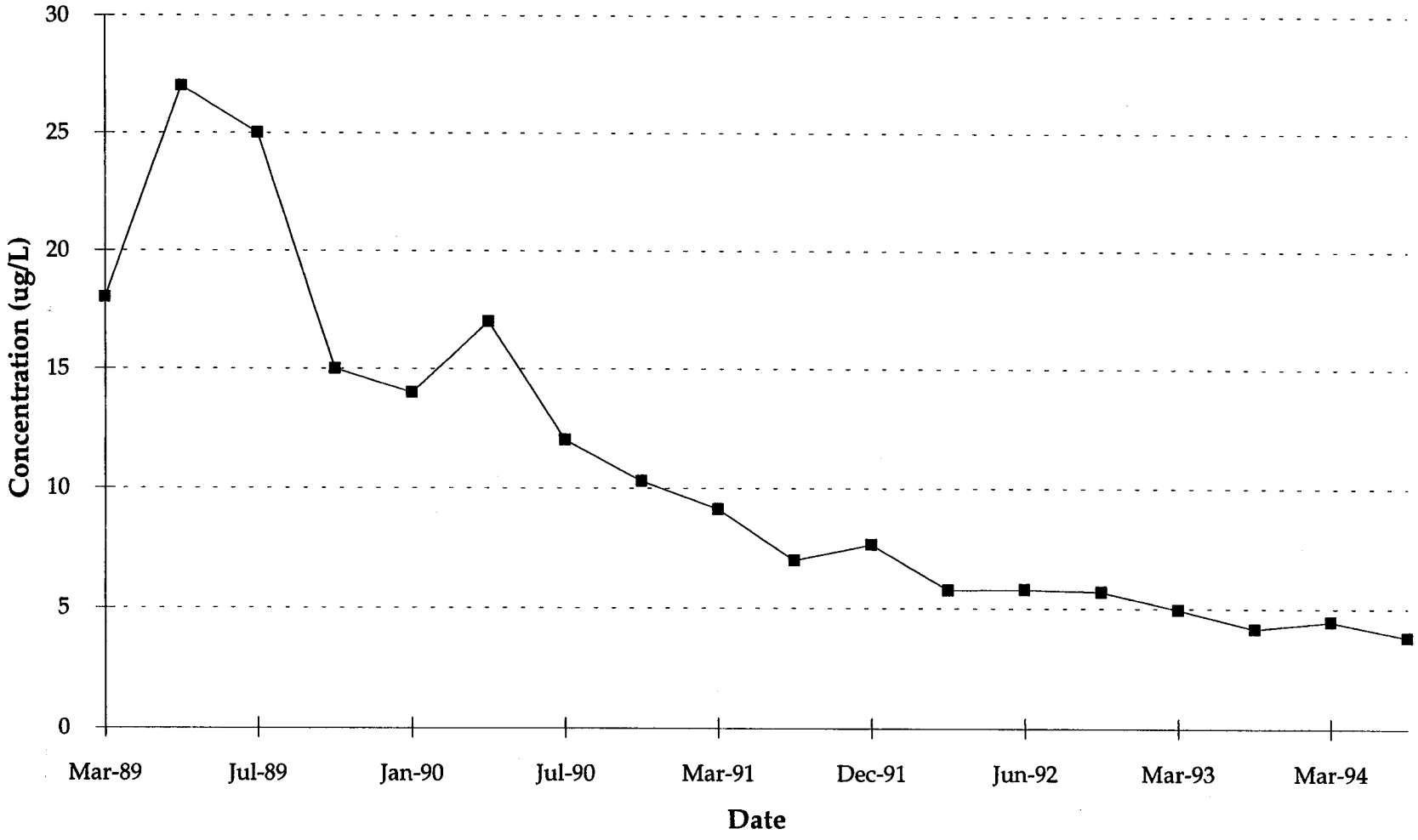
APPENDIX G.1

EXTRACTION WELL B11 - TRCLE VS. TIME



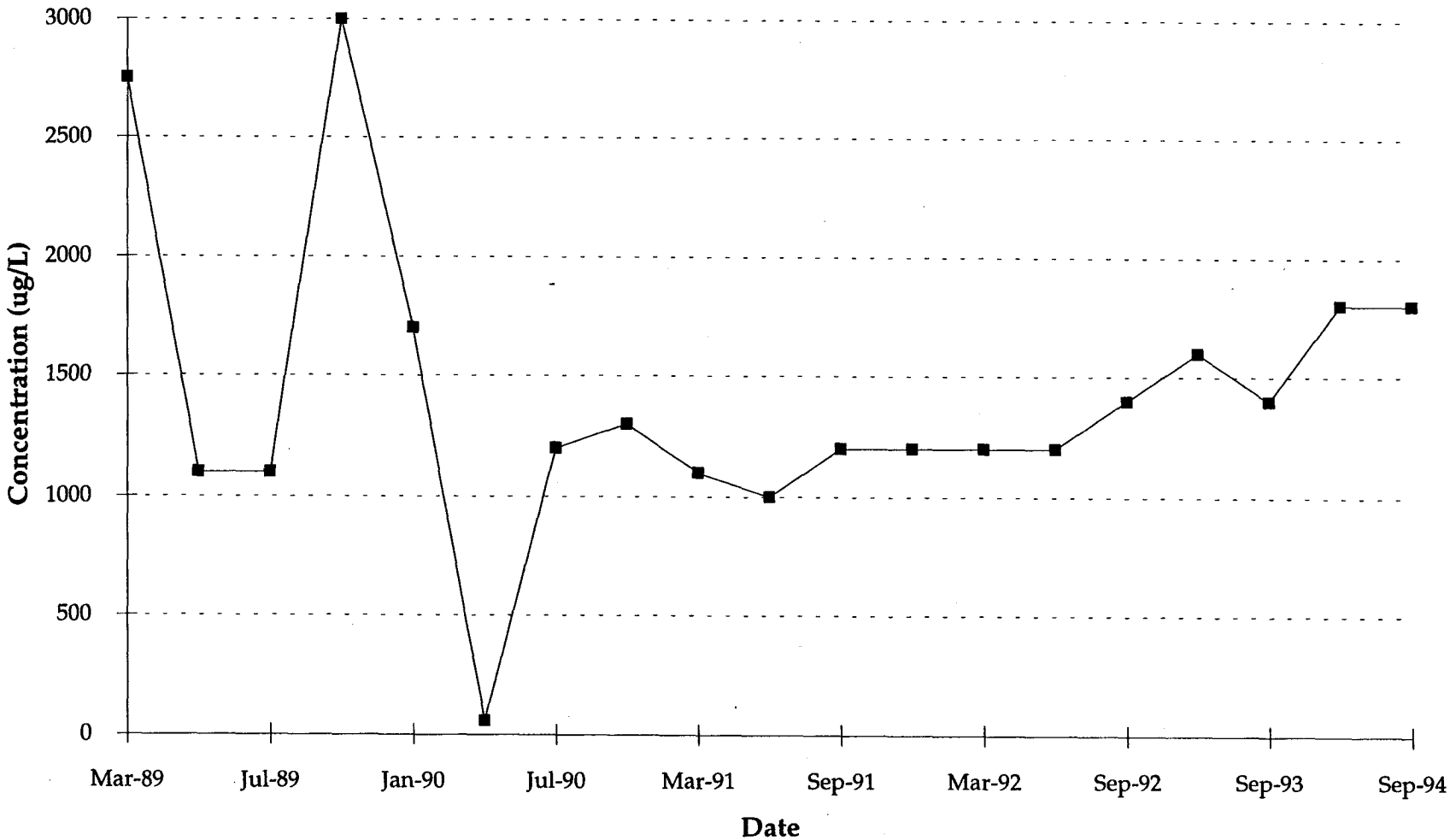
APENDIX G.1

EXTRACTION WELL B12 - TRCLE VS. TIME

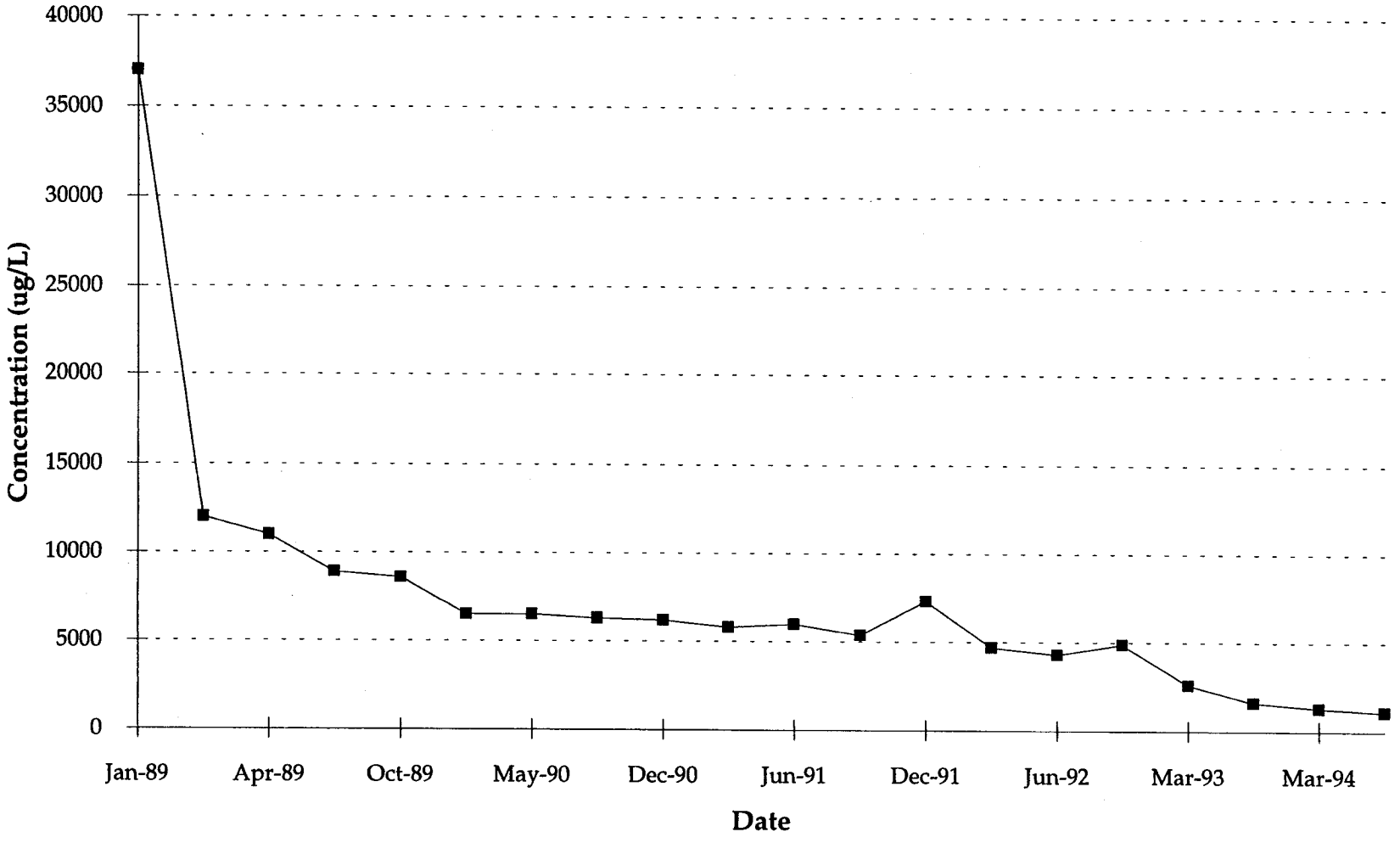


APPENDIX G.1

EXTRACTION WELL SC1 - TRCLE VS. TIME

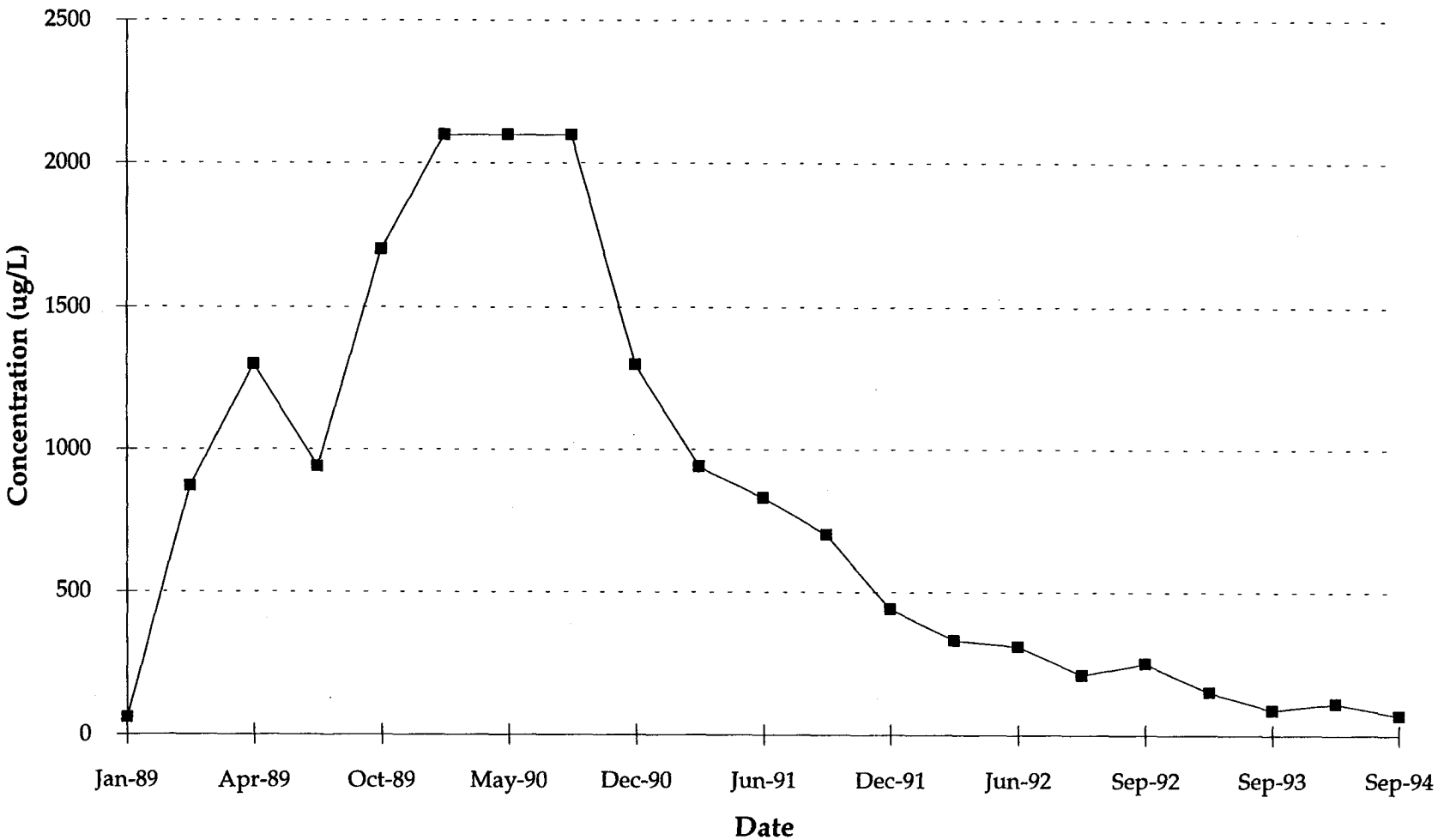


EXTRACTION WELL SC2 - TRCLE VS. TIME

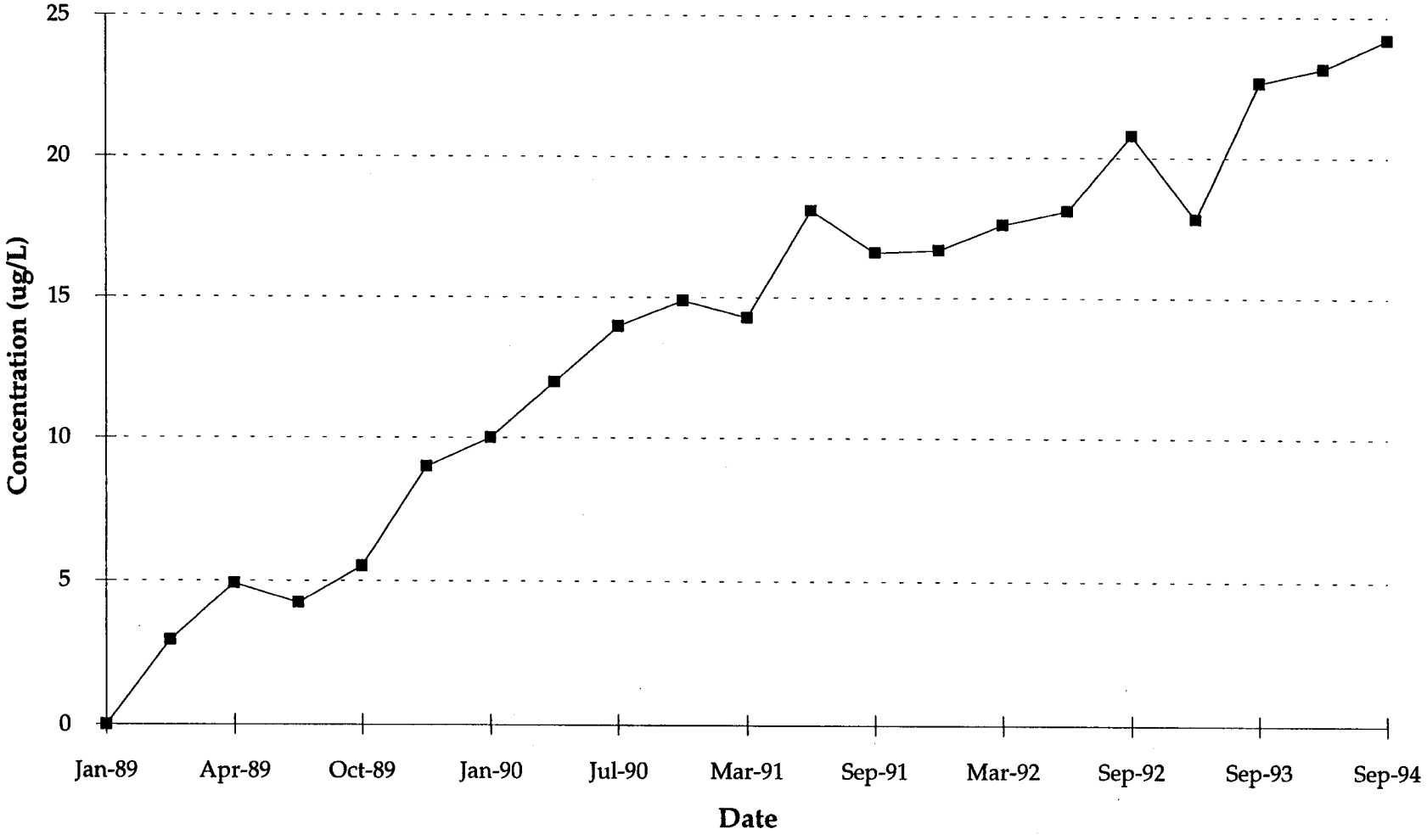


APPENDIX G.1

EXTRACTION WELL SC3 - TRCLE VS. TIME

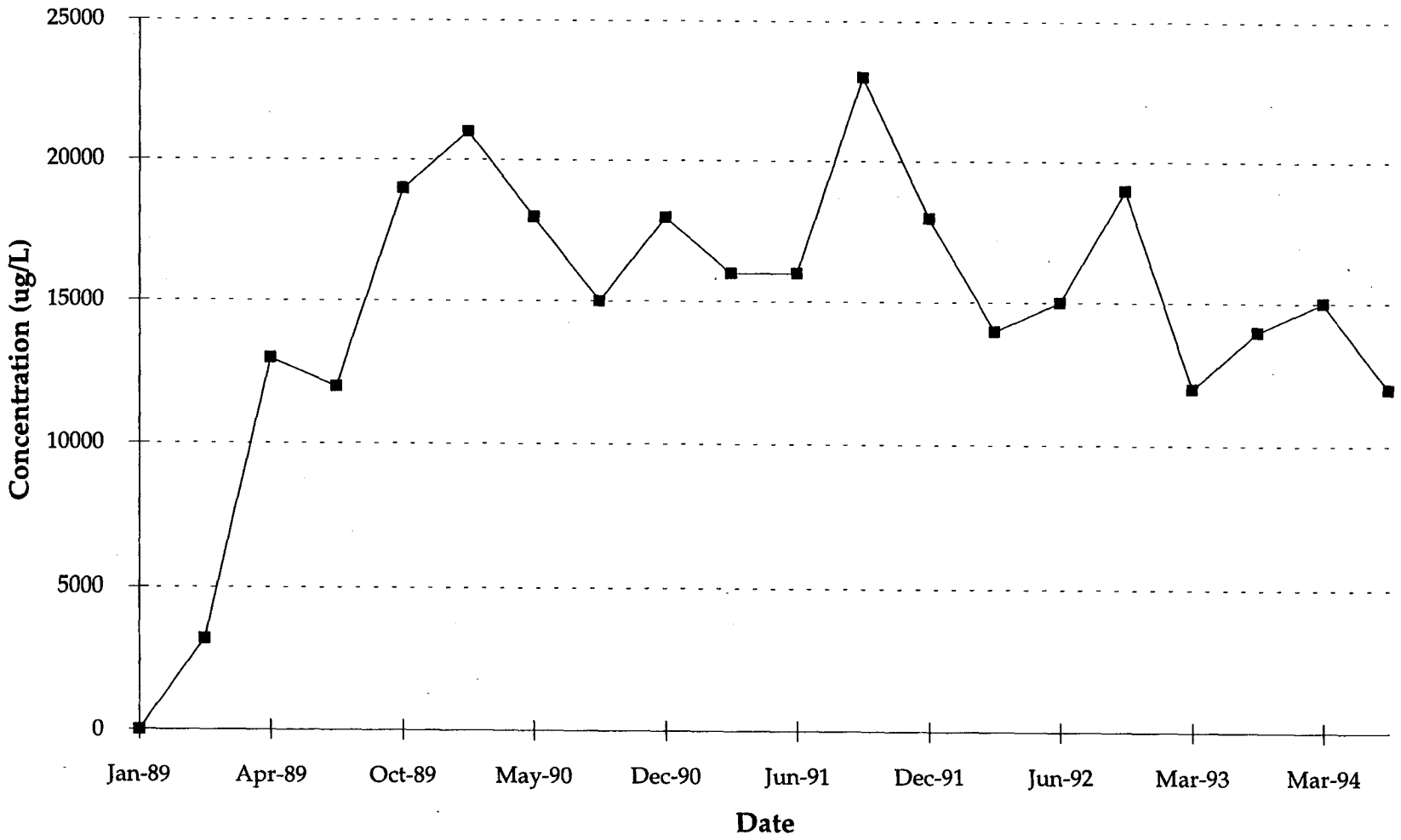


EXTRACTION WELL SC4 - TRCLE VS. TIME



APPENDIX G.1

EXTRACTION WELL SC5 - TRCLE VS. TIME



Appendix G.2

1994 Influent/Effluent Database
TGRS, TCAAP

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSE	10/05/93	111TCE	CR	PC		1.27	ug/L	
TGRSE	10/05/93	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	111TCE	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	111TCE	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	111TCE	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	111TCE	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	03/08/94	111TCE	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	111TCE	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	111TCE	CR	PC	<	1.00	ug/L	
TGRSE	04/05/94	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	05/03/94	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	05/03/94	111TCE	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	111TCE	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	07/07/94	111TCE	CR	PC	<	1.00	ug/L	
TGRSE	07/07/94	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	08/02/94	111TCE	CR	PC	<	1.00	ug/L	
TGRSE	08/02/94	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	111TCE	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	111TCE	CR	PC	<	1.00	ug/L	
TGRSE	10/05/93	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	10/05/93	112TCE	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	112TCE	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	112TCE	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	112TCE	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	112TCE	CR	PC	<	1.00	ug/L	D
TGRSE	03/08/94	112TCE	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	112TCE	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	112TCE	CR	PC	<	1.00	ug/L	D
TGRSE	04/05/94	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	05/03/94	112TCE	CR	PC	<	1.00	ug/L	D
TGRSE	05/03/94	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	112TCE	CR	PC	<	1.00	ug/L	D

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSE	07/07/94	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	07/07/94	112TCE	CR	PC	<	1.00	ug/L	D
TGRSE	08/02/94	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	08/02/94	112TCE	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	112TCE	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	112TCE	CR	PC	<	1.00	ug/L	
TGRSE	10/05/93	11DCE	CR	PC	<	1.00	ug/L	
TGRSE	10/05/93	11DCE	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	11DCE	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	11DCE	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	11DCE	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	11DCE	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	11DCE	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	11DCE	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	11DCE	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	11DCE	CR	PC	<	1.00	ug/L	D
TGRSE	03/08/94	11DCE	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	11DCE	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	11DCE	CR	PC	<	1.00	ug/L	D
TGRSE	04/05/94	11DCE	CR	PC	<	1.00	ug/L	
TGRSE	05/03/94	11DCE	CR	PC	<	1.00	ug/L	D
TGRSE	05/03/94	11DCE	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	11DCE	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	11DCE	CR	PC	<	1.00	ug/L	D
TGRSE	07/07/94	11DCE	CR	PC	<	1.00	ug/L	
TGRSE	07/07/94	11DCE	CR	PC	<	1.00	ug/L	D
TGRSE	08/02/94	11DCE	CR	PC	<	1.00	ug/L	JR
TGRSE	08/02/94	11DCE	CR	PC	<	1.00	ug/L	DJR
TGRSE	09/06/94	11DCE	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	11DCE	CR	PC	<	1.00	ug/L	
TGRSE	10/05/93	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	10/05/93	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	11/30/93	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	11/30/93	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	12/07/93	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	12/07/93	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	01/04/94	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	01/04/94	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	02/01/94	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	02/01/94	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	03/08/94	11DCLE	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	11DCLE	CR	PC	ND	5.00	ug/L	RD

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSE	04/05/94	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	04/05/94	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	05/03/94	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	05/03/94	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	06/07/94	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	06/07/94	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	07/07/94	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	07/07/94	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	08/02/94	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	08/02/94	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	09/06/94	11DCLE	CR	PC	<	0.78	ug/L	D
TGRSE	09/06/94	11DCLE	CR	PC	<	0.78	ug/L	
TGRSE	03/09/94	124TCB	CR	PC	ND	10.00	ug/L	R
TGRSE	10/05/93	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	10/05/93	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	11/30/93	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	11/30/93	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	12/07/93	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	12/07/93	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	01/04/94	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	01/04/94	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	02/01/94	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	02/01/94	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	04/05/94	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	04/05/94	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	05/03/94	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	05/03/94	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	06/07/94	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	06/07/94	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	07/07/94	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	07/07/94	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	08/02/94	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	08/02/94	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	09/06/94	12DCE	CR	PC	<	0.50	ug/L	D
TGRSE	09/06/94	12DCE	CR	PC	<	0.50	ug/L	
TGRSE	03/09/94	12DCLB	CR	PC	ND	10.00	ug/L	R
TGRSE	10/05/93	12DCLE	CR	PC	<	0.50	ug/L	
TGRSE	10/05/93	12DCLE	CR	PC	<	0.50	ug/L	D
TGRSE	11/30/93	12DCLE	CR	PC	<	0.50	ug/L	D
TGRSE	11/30/93	12DCLE	CR	PC	<	0.50	ug/L	
TGRSE	12/07/93	12DCLE	CR	PC	<	0.50	ug/L	
TGRSE	12/07/93	12DCLE	CR	PC	<	0.50	ug/L	D

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSE	01/04/94	12DCLE	CR	PC	<	0.50	ug/L	D
TGRSE	01/04/94	12DCLE	CR	PC	<	0.50	ug/L	
TGRSE	02/01/94	12DCLE	CR	PC	<	0.50	ug/L	
TGRSE	02/01/94	12DCLE	CR	PC	<	0.50	ug/L	D
TGRSE	03/08/94	12DCLE	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	12DCLE	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	12DCLE	CR	PC		0.45	ug/L	1D
TGRSE	04/05/94	12DCLE	CR	PC		0.45	ug/L	1
TGRSE	05/03/94	12DCLE	CR	PC		0.27	ug/L	1D
TGRSE	05/03/94	12DCLE	CR	PC		0.29	ug/L	1
TGRSE	06/07/94	12DCLE	CR	PC	<	0.50	ug/L	
TGRSE	06/07/94	12DCLE	CR	PC	<	0.50	ug/L	D
TGRSE	07/07/94	12DCLE	CR	PC	<	0.50	ug/L	
TGRSE	07/07/94	12DCLE	CR	PC	<	0.50	ug/L	D
TGRSE	08/02/94	12DCLE	CR	PC	<	0.50	ug/L	J
TGRSE	08/02/94	12DCLE	CR	PC	<	0.50	ug/L	DJ
TGRSE	09/06/94	12DCLE	CR	PC		0.27	ug/L	1D
TGRSE	09/06/94	12DCLE	CR	PC		0.30	ug/L	1
TGRSE	10/05/93	12DCLP	CR	PC	<	1.00	ug/L	
TGRSE	10/05/93	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	12DCLP	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	12DCLP	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	12DCLP	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	12DCLP	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	03/08/94	12DCLP	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	12DCLP	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	04/05/94	12DCLP	CR	PC	<	1.00	ug/L	
TGRSE	05/03/94	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	05/03/94	12DCLP	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	12DCLP	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	07/07/94	12DCLP	CR	PC	<	1.00	ug/L	
TGRSE	07/07/94	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	08/02/94	12DCLP	CR	PC	<	1.00	ug/L	
TGRSE	08/02/94	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	12DCLP	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	12DCLP	CR	PC	<	1.00	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*		*Units*	*Qual*
TGRSE	03/09/94	13DCLB	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	14DCLB	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	245TCP	CR	PC	ND	50.00	ug/L	R
TGRSE	03/09/94	246TCP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	24DCLP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	24DMPN	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	24DNP	CR	PC	ND	50.00	ug/L	R
TGRSE	03/09/94	24DNT	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	26DNT	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	2CLP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	2CNAP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	2MNAP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	2MP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	2NANIL	CR	PC	ND	50.00	ug/L	R
TGRSE	03/09/94	2NP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	33DCBD	CR	PC	ND	20.00	ug/L	R
TGRSE	03/09/94	3NANIL	CR	PC	ND	50.00	ug/L	R
TGRSE	03/09/94	46DN2C	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	4BRPPE	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	4CANIL	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	4CL3C	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	4CLPPE	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	4MP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	4NANIL	CR	PC	ND	50.00	ug/L	R
TGRSE	03/09/94	4NP	CR	PC	ND	50.00	ug/L	R
TGRSE	03/08/94	ABHC	CR	PC	<	0.04	ug/L	
TGRSE	03/08/94	ACET	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	ACET	CR	PC	ND	10.00	ug/L	RD
TGRSE	03/08/94	ACLDAN	CR	PC	<	0.02	ug/L	
TGRSE	03/08/94	AENSLF	CR	PC	<	0.01	ug/L	
TGRSE	03/08/94	AG	CR	PC	ND	13.00	ug/L	T
TGRSE	03/08/94	AL	CR	PC	<	107.00	ug/L	
TGRSE	03/08/94	ALDRN	CR	PC	<	0.06	ug/L	
TGRSE	03/09/94	ANAPNE	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	ANAPYL	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	ANTRC	CR	PC	ND	10.00	ug/L	R
TGRSE	10/05/93	AS	CR	PC	<	6.01	ug/L	
TGRSE	11/30/93	AS	CR	PC	<	6.01	ug/L	
TGRSE	12/07/93	AS	CR	PC	<	6.01	ug/L	
TGRSE	01/04/94	AS	CR	PC	ND	3.00	ug/L	
TGRSE	02/01/94	AS	CR	PC	ND	3.00	ug/L	
TGRSE	03/08/94	AS	CR	PC	ND	3.00	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSE	04/05/94	AS	CR	PC	ND	3.00	ug/L	
TGRSE	05/03/94	AS	CR	PC	ND	3.00	ug/L	
TGRSE	06/07/94	AS	CR	PC	ND	3.00	ug/L	
TGRSE	07/07/94	AS	CR	PC	ND	3.00	ug/L	
TGRSE	08/02/94	AS	CR	PC	ND	3.00	ug/L	
TGRSE	09/06/94	AS	CR	PC	ND	3.00	ug/L	
TGRSE	03/09/94	B2CEXM	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	B2CIPE	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	B2CLEE	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	B2EHP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	BA	CR	PC		78.60	ug/L	
TGRSE	03/09/94	BAANTR	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	BAPYR	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	BBFANT	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	BBHC	CR	PC	<	0.01	ug/L	
TGRSE	03/09/94	BBZP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	BE	CR	PC	<	2.50	ug/L	
TGRSE	03/08/94	BENSLF	CR	PC	<	0.01	ug/L	
TGRSE	03/09/94	BENZOA	CR	PC	ND	50.00	ug/L	R
TGRSE	03/09/94	BGHIPY	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	BKFANT	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	BRDCLM	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	BRDCLM	CR	PC	ND	5.00	ug/L	RD
TGRSE	03/09/94	BZALC	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	C12DCE	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	C12DCE	CR	PC	ND	5.00	ug/L	RD
TGRSE	03/08/94	C13DCP	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	C13DCP	CR	PC	ND	5.00	ug/L	RD
TGRSE	10/05/93	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSE	10/05/93	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	11/30/93	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	11/30/93	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSE	12/07/93	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSE	12/07/93	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	01/04/94	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	01/04/94	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSE	02/01/94	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSE	02/01/94	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	03/08/94	C2H3CL	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	C2H3CL	CR	PC	ND	10.00	ug/L	RD
TGRSE	04/05/94	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	04/05/94	C2H3CL	CR	PC	<	1.90	ug/L	

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TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSE	05/03/94	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	05/03/94	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSE	06/07/94	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSE	06/07/94	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	07/07/94	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSE	07/07/94	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	08/02/94	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSE	08/02/94	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	09/06/94	C2H3CL	CR	PC	<	1.90	ug/L	D
TGRSE	09/06/94	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSE	03/08/94	C2H5CL	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	C2H5CL	CR	PC	ND	10.00	ug/L	RD
TGRSE	03/08/94	C6H6	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	C6H6	CR	PC	ND	5.00	ug/L	RD
TGRSE	03/08/94	CA	CR	PC		61000.00	ug/L	
TGRSE	10/05/93	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	10/05/93	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	11/30/93	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	11/30/93	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	12/07/93	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	12/07/93	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	01/04/94	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	01/04/94	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	02/01/94	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	02/01/94	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	03/08/94	CCL4	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	CCL4	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	04/05/94	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	05/03/94	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	05/03/94	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	06/07/94	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	06/07/94	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	07/07/94	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	07/07/94	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	08/02/94	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	08/02/94	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	09/06/94	CCL4	CR	PC	<	1.30	ug/L	D
TGRSE	09/06/94	CCL4	CR	PC	<	1.30	ug/L	
TGRSE	10/05/93	CD	CR	PC	<	5.00	ug/L	
TGRSE	11/30/93	CD	CR	PC	<	5.00	ug/L	
TGRSE	12/07/93	CD	CR	PC	<	5.00	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSE	01/04/94	CD	CR	PC	<	5.00	ug/L	
TGRSE	02/01/94	CD	CR	PC	<	5.00	ug/L	
TGRSE	03/08/94	CD	CR	PC	<	5.00	ug/L	
TGRSE	04/05/94	CD	CR	PC	<	5.00	ug/L	
TGRSE	05/03/94	CD	CR	PC	<	5.00	ug/L	
TGRSE	06/07/94	CD	CR	PC	<	5.00	ug/L	
TGRSE	07/07/94	CD	CR	PC	<	5.00	ug/L	V
TGRSE	08/02/94	CD	CR	PC	<	5.00	ug/L	
TGRSE	09/06/94	CD	CR	PC	<	5.00	ug/L	
TGRSE	10/05/93	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	10/05/93	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	11/30/93	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	11/30/93	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	12/07/93	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	12/07/93	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	01/04/94	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	01/04/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	02/01/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	02/01/94	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	03/08/94	CH2CL2	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	CH2CL2	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	04/05/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	05/03/94	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	05/03/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	06/07/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	06/07/94	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	07/07/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	07/07/94	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	08/02/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	08/02/94	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	09/06/94	CH2CL2	CR	PC	<	3.20	ug/L	D
TGRSE	09/06/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSE	03/08/94	CH3BR	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	CH3BR	CR	PC	ND	10.00	ug/L	RD
TGRSE	03/08/94	CH3CL	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	CH3CL	CR	PC	ND	10.00	ug/L	RD
TGRSE	03/08/94	CHBR3	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	CHBR3	CR	PC	ND	5.00	ug/L	RD
TGRSE	10/05/93	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	10/05/93	CHCL3	CR	PC	<	0.72	ug/L	D
TGRSE	11/30/93	CHCL3	CR	PC	<	0.72	ug/L	D

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*		*Units*	*Qual*
TGRSE	11/30/93	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	12/07/93	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	12/07/93	CHCL3	CR	PC	<	0.72	ug/L	D
TGRSE	01/04/94	CHCL3	CR	PC	<	0.72	ug/L	D
TGRSE	01/04/94	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	02/01/94	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	02/01/94	CHCL3	CR	PC	<	0.72	ug/L	D
TGRSE	03/08/94	CHCL3	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	CHCL3	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	CHCL3	CR	PC	<	0.72	ug/L	D
TGRSE	04/05/94	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	05/03/94	CHCL3	CR	PC	<	0.72	ug/L	D
TGRSE	05/03/94	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	06/07/94	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	06/07/94	CHCL3	CR	PC	<	0.72	ug/L	D
TGRSE	07/07/94	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	07/07/94	CHCL3	CR	PC	<	0.72	ug/L	D
TGRSE	08/02/94	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	08/02/94	CHCL3	CR	PC	<	0.72	ug/L	D
TGRSE	09/06/94	CHCL3	CR	PC	<	0.72	ug/L	D
TGRSE	09/06/94	CHCL3	CR	PC	<	0.72	ug/L	
TGRSE	03/09/94	CHRY	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	CL6BZ	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	CL6CP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	CL6ET	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	CLC6H5	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	CLC6H5	CR	PC	ND	5.00	ug/L	RD
TGRSE	03/08/94	CO	CR	PC	ND	1.00	ug/L	
TGRSE	03/08/94	CO	CR	PC	<	25.00	ug/L	
TGRSE	10/05/93	CR	CR	PC	<	15.00	ug/L	
TGRSE	11/30/93	CR	CR	PC	<	15.00	ug/L	
TGRSE	12/07/93	CR	CR	PC	<	15.00	ug/L	
TGRSE	01/04/94	CR	CR	PC	<	15.00	ug/L	
TGRSE	02/01/94	CR	CR	PC	<	15.00	ug/L	
TGRSE	03/08/94	CR	CR	PC	<	15.00	ug/L	
TGRSE	04/05/94	CR	CR	PC	<	15.00	ug/L	
TGRSE	05/03/94	CR	CR	PC	<	15.00	ug/L	
TGRSE	06/07/94	CR	CR	PC	<	15.00	ug/L	
TGRSE	07/07/94	CR	CR	PC	<	15.00	ug/L	V
TGRSE	08/02/94	CR	CR	PC	<	15.00	ug/L	
TGRSE	09/06/94	CR	CR	PC	<	15.00	ug/L	
TGRSE	03/08/94	CS2	CR	PC	ND	5.00	ug/L	R

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TGRS, TCAAP

Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*		*Units*	*Qual*
TGRSE	03/08/94	CS2	CR	PC	ND	5.00	ug/L	RD
TGRSE	10/05/93	CU	CR	PC		72.30	ug/L	
TGRSE	11/30/93	CU	CR	PC	<	20.00	ug/L	
TGRSE	12/07/93	CU	CR	PC	<	20.00	ug/L	
TGRSE	01/04/94	CU	CR	PC	<	20.00	ug/L	
TGRSE	02/01/94	CU	CR	PC	<	20.00	ug/L	
TGRSE	03/08/94	CU	CR	PC	<	20.00	ug/L	
TGRSE	04/05/94	CU	CR	PC	<	20.00	ug/L	
TGRSE	05/03/94	CU	CR	PC	<	20.00	ug/L	
TGRSE	06/07/94	CU	CR	PC	<	20.00	ug/L	
TGRSE	07/07/94	CU	CR	PC	<	20.00	ug/L	V
TGRSE	08/02/94	CU	CR	PC	<	20.00	ug/L	
TGRSE	09/06/94	CU	CR	PC	<	20.00	ug/L	
TGRSE	03/09/94	DBAHA	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	DBHC	CR	PC	<	0.05	ug/L	
TGRSE	03/08/94	DBRCLM	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	DBRCLM	CR	PC	ND	5.00	ug/L	RD
TGRSE	03/09/94	DBZFUR	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	DEP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	DLDRN	CR	PC	<	0.03	ug/L	
TGRSE	03/09/94	DMP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	DNBP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	DNOP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	ENDRN	CR	PC	<	0.04	ug/L	
TGRSE	03/08/94	ENDRNA	CR	PC	<	0.07	ug/L	
TGRSE	03/08/94	ENDRNK	CR	PC	<	0.03	ug/L	
TGRSE	03/08/94	ESFSO4	CR	PC	<	0.02	ug/L	
TGRSE	03/08/94	ETC6H5	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	ETC6H5	CR	PC	ND	5.00	ug/L	RD
TGRSE	03/09/94	FANT	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	FE	CR	PC	<	120.00	ug/L	
TGRSE	03/09/94	FLRENE	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	GCLDAN	CR	PC	<	0.05	ug/L	
TGRSE	03/09/94	HCBD	CR	PC	ND	10.00	ug/L	R
TGRSE	10/05/93	HG	CR	PC	<	0.74	ug/L	
TGRSE	11/30/93	HG	CR	PC	<	0.74	ug/L	
TGRSE	12/07/93	HG	CR	PC	<	0.74	ug/L	
TGRSE	01/04/94	HG	CR	PC	<	0.74	ug/L	
TGRSE	02/01/94	HG	CR	PC	<	0.74	ug/L	
TGRSE	03/08/94	HG	CR	PC	<	0.74	ug/L	
TGRSE	04/05/94	HG	CR	PC	<	0.74	ug/L	
TGRSE	05/03/94	HG	CR	PC	<	0.74	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*		*Units*	*Qual*
TGRSE	06/07/94	HG	CR	PC	<	0.74	ug/L	
TGRSE	07/07/94	HG	CR	PC	<	0.74	ug/L	
TGRSE	08/02/94	HG	CR	PC	<	0.74	ug/L	
TGRSE	09/06/94	HG	CR	PC	<	0.74	ug/L	
TGRSE	03/08/94	HPCL	CR	PC	<	0.06	ug/L	
TGRSE	03/08/94	HPCLE	CR	PC	<	0.01	ug/L	
TGRSE	03/09/94	ICDPYR	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	ISOPHR	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	K	CR	PC		2340.00	ug/L	
TGRSE	03/08/94	LIN	CR	PC	<	0.04	ug/L	
TGRSE	03/08/94	MEC6H5	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	MEC6H5	CR	PC	ND	5.00	ug/L	RD
TGRSE	03/08/94	MEK	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	MEK	CR	PC	ND	10.00	ug/L	RD
TGRSE	03/08/94	MEXCLR	CR	PC	<	0.27	ug/L	
TGRSE	03/08/94	MG	CR	PC		24600.00	ug/L	
TGRSE	03/08/94	MIBK	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	MIBK	CR	PC	ND	10.00	ug/L	RD
TGRSE	03/08/94	MN	CR	PC		233.00	ug/L	
TGRSE	03/08/94	MNBK	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	MNBK	CR	PC	ND	10.00	ug/L	RD
TGRSE	03/08/94	NA	CR	PC		7330.00	ug/L	
TGRSE	03/09/94	NAP	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	NB	CR	PC	ND	10.00	ug/L	R
TGRSE	10/05/93	NI	CR	PC		8.21	ug/L	
TGRSE	11/30/93	NI	CR	PC	<	5.32	ug/L	
TGRSE	12/07/93	NI	CR	PC	<	5.32	ug/L	
TGRSE	01/04/94	NI	CR	PC	ND	7.30	ug/L	
TGRSE	02/01/94	NI	CR	PC	ND	5.00	ug/L	
TGRSE	03/08/94	NI	CR	PC	ND	5.00	ug/L	
TGRSE	04/05/94	NI	CR	PC	ND	5.00	ug/L	
TGRSE	05/03/94	NI	CR	PC	ND	5.00	ug/L	
TGRSE	06/07/94	NI	CR	PC	ND	5.00	ug/L	
TGRSE	07/07/94	NI	CR	PC	ND	5.00	ug/L	
TGRSE	08/02/94	NI	CR	PC	ND	5.00	ug/L	
TGRSE	09/06/94	NI	CR	PC	ND	5.00	ug/L	
TGRSE	03/09/94	NNDNPA	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	NNDPA	CR	PC	ND	10.00	ug/L	R
TGRSE	10/05/93	PB	CR	PC	<	1.26	ug/L	
TGRSE	11/30/93	PB	CR	PC	<	1.26	ug/L	
TGRSE	12/07/93	PB	CR	PC	<	1.26	ug/L	
TGRSE	01/04/94	PB	CR	PC	ND	4.00	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*		*Units*	*Qual*
TGRSE	02/01/94	PB	CR	PC	ND	4.00	ug/L	
TGRSE	03/01/94	PB	CR	PC	ND	4.00	ug/L	
TGRSE	03/08/94	PB	CR	PC	ND	4.00	ug/L	
TGRSE	04/05/94	PB	CR	PC	ND	4.00	ug/L	
TGRSE	05/03/94	PB	CR	PC	ND	4.00	ug/L	
TGRSE	06/07/94	PB	CR	PC	ND	4.00	ug/L	
TGRSE	07/07/94	PB	CR	PC	ND	4.00	ug/L	
TGRSE	08/02/94	PB	CR	PC	ND	4.00	ug/L	
TGRSE	09/06/94	PB	CR	PC	ND	2.00	ug/L	
TGRSE	03/08/94	PCB016	CR	PC	ND	0.10	ug/L	T
TGRSE	03/08/94	PCB221	CR	PC	ND	0.20	ug/L	T
TGRSE	03/08/94	PCB232	CR	PC	ND	0.10	ug/L	T
TGRSE	03/08/94	PCB242	CR	PC	ND	0.10	ug/L	T
TGRSE	03/08/94	PCB248	CR	PC	ND	0.10	ug/L	T
TGRSE	03/08/94	PCB254	CR	PC	ND	0.10	ug/L	T
TGRSE	03/08/94	PCB260	CR	PC	ND	0.10	ug/L	T
TGRSE	03/09/94	PCP	CR	PC	ND	50.00	ug/L	R
TGRSE	03/09/94	PHANTR	CR	PC	ND	10.00	ug/L	R
TGRSE	03/09/94	PHENOL	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	PPDDD	CR	PC	<	0.08	ug/L	
TGRSE	03/08/94	PPDDE	CR	PC	<	0.09	ug/L	
TGRSE	03/08/94	PPDDT	CR	PC	<	0.03	ug/L	
TGRSE	03/09/94	PYR	CR	PC	ND	10.00	ug/L	R
TGRSE	03/08/94	SB	CR	PC	ND	3.00	ug/L	
TGRSE	03/08/94	SB	CR	PC	<	37.10	ug/L	
TGRSE	03/08/94	SE	CR	PC	ND	2.00	ug/L	
TGRSE	03/08/94	STYR	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	STYR	CR	PC	ND	5.00	ug/L	RD
TGRSE	10/05/93	T12DCE	CR	PC	ND	0.30	ug/L	R
TGRSE	10/05/93	T12DCE	CR	PC	ND	0.30	ug/L	RD
TGRSE	11/30/93	T12DCE	CR	PC	ND	0.30	ug/L	RD
TGRSE	11/30/93	T12DCE	CR	PC	ND	0.30	ug/L	R
TGRSE	12/07/93	T12DCE	CR	PC	ND	0.30	ug/L	R
TGRSE	12/07/93	T12DCE	CR	PC	ND	0.30	ug/L	RD
TGRSE	01/04/94	T12DCE	CR	PC	ND	0.30	ug/L	DR
TGRSE	01/04/94	T12DCE	CR	PC	ND	0.30	ug/L	R
TGRSE	02/01/94	T12DCE	CR	PC	ND	0.30	ug/L	R
TGRSE	02/01/94	T12DCE	CR	PC	ND	0.30	ug/L	DR
TGRSE	03/08/94	T12DCE	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	T12DCE	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	T12DCE	CR	PC	ND	0.30	ug/L	TD
TGRSE	04/05/94	T12DCE	CR	PC	ND	0.30	ug/L	T

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSE	05/03/94	T12DCE	CR	PC	ND	0.30	ug/L	TD
TGRSE	05/03/94	T12DCE	CR	PC	ND	0.30	ug/L	T
TGRSE	06/07/94	T12DCE	CR	PC	ND	0.30	ug/L	T
TGRSE	06/07/94	T12DCE	CR	PC	ND	0.30	ug/L	TD
TGRSE	07/07/94	T12DCE	CR	PC	ND	0.30	ug/L	T
TGRSE	07/07/94	T12DCE	CR	PC		0.70	ug/L	ZD
TGRSE	08/02/94	T12DCE	CR	PC	ND	0.30	ug/L	TD
TGRSE	09/06/94	T12DCE	CR	PC	ND	0.30	ug/L	TD
TGRSE	09/06/94	T12DCE	CR	PC	ND	0.30	ug/L	T
TGRSE	03/08/94	T13DCP	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	T13DCP	CR	PC	ND	5.00	ug/L	RD
TGRSE	03/08/94	TCLEA	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	TCLEA	CR	PC	ND	5.00	ug/L	RD
TGRSE	10/05/93	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	10/05/93	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	03/08/94	TCLEE	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	TCLEE	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	04/05/94	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	05/03/94	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	05/03/94	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	07/07/94	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	07/07/94	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	08/02/94	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	08/02/94	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	TCLEE	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	TCLEE	CR	PC	<	1.00	ug/L	
TGRSE	10/05/93	TCLTFE	CR	PC	<	1.00	ug/L	
TGRSE	10/05/93	TCLTFE	CR	PC		1.08	ug/L	D
TGRSE	11/30/93	TCLTFE	CR	PC	<	1.00	ug/L	D
TGRSE	11/30/93	TCLTFE	CR	PC	<	1.00	ug/L	
TGRSE	12/07/93	TCLTFE	CR	PC	<	1.00	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSE	12/07/93	TCLTFE	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	TCLTFE	CR	PC	<	1.00	ug/L	D
TGRSE	01/04/94	TCLTFE	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	TCLTFE	CR	PC	<	1.00	ug/L	
TGRSE	02/01/94	TCLTFE	CR	PC	<	1.00	ug/L	D
TGRSE	04/05/94	TCLTFE	CR	PC	<	1.00	ug/L	D
TGRSE	04/05/94	TCLTFE	CR	PC	<	1.00	ug/L	
TGRSE	05/03/94	TCLTFE	CR	PC	<	1.00	ug/L	D
TGRSE	05/03/94	TCLTFE	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	TCLTFE	CR	PC	<	1.00	ug/L	
TGRSE	06/07/94	TCLTFE	CR	PC	<	1.00	ug/L	D
TGRSE	07/07/94	TCLTFE	CR	PC	<	1.00	ug/L	
TGRSE	07/07/94	TCLTFE	CR	PC	<	1.00	ug/L	D
TGRSE	08/02/94	TCLTFE	CR	PC	<	1.00	ug/L	
TGRSE	08/02/94	TCLTFE	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	TCLTFE	CR	PC	<	1.00	ug/L	D
TGRSE	09/06/94	TCLTFE	CR	PC	<	1.00	ug/L	
TGRSE	03/08/94	TL	CR	PC	ND	2.00	ug/L	
TGRSE	10/05/93	TRCLE	CR	PC		0.58	ug/L	
TGRSE	10/05/93	TRCLE	CR	PC		1.47	ug/L	D
TGRSE	11/30/93	TRCLE	CR	PC		0.58	ug/L	D
TGRSE	11/30/93	TRCLE	CR	PC		0.72	ug/L	
TGRSE	12/07/93	TRCLE	CR	PC	<	0.50	ug/L	
TGRSE	12/07/93	TRCLE	CR	PC		0.71	ug/L	D
TGRSE	01/04/94	TRCLE	CR	PC		1.33	ug/L	D
TGRSE	01/04/94	TRCLE	CR	PC		0.76	ug/L	
TGRSE	02/01/94	TRCLE	CR	PC	<	0.50	ug/L	
TGRSE	02/01/94	TRCLE	CR	PC	<	0.50	ug/L	D
TGRSE	03/08/94	TRCLE	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	TRCLE	CR	PC	ND	5.00	ug/L	RD
TGRSE	04/05/94	TRCLE	CR	PC		1.09	ug/L	D
TGRSE	04/05/94	TRCLE	CR	PC		0.78	ug/L	
TGRSE	05/03/94	TRCLE	CR	PC		0.76	ug/L	D
TGRSE	05/03/94	TRCLE	CR	PC		0.78	ug/L	
TGRSE	06/07/94	TRCLE	CR	PC		0.60	ug/L	
TGRSE	06/07/94	TRCLE	CR	PC		0.51	ug/L	1D
TGRSE	07/07/94	TRCLE	CR	PC		0.75	ug/L	
TGRSE	07/07/94	TRCLE	CR	PC		0.68	ug/L	D
TGRSE	08/02/94	TRCLE	CR	PC	<	0.50	ug/L	
TGRSE	08/02/94	TRCLE	CR	PC		0.88	ug/L	D
TGRSE	09/06/94	TRCLE	CR	PC		0.43	ug/L	D1
TGRSE	09/06/94	TRCLE	CR	PC		0.58	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSE	03/08/94	TXPHEN	CR	PC	ND	0.50	ug/L	T
TGRSE	03/08/94	TXYLEN	CR	PC	ND	5.00	ug/L	R
TGRSE	03/08/94	TXYLEN	CR	PC	ND	5.00	ug/L	RD
TGRSE	03/08/94	UNK092	CR	PC		5.00	ug/L	S
TGRSE	03/09/94	UNK615	CR	PC		4.00	ug/L	S
TGRSE	03/09/94	UNK626	CR	PC		4.00	ug/L	S
TGRSE	03/09/94	UNK633	CR	PC		5.00	ug/L	S
TGRSE	03/09/94	UNK634	CR	PC		4.00	ug/L	S
TGRSE	03/09/94	UNK640	CR	PC		4.00	ug/L	S
TGRSE	03/08/94	V	CR	PC	<	20.00	ug/L	
TGRSE	10/05/93	ZN	CR	PC		137.00	ug/L	
TGRSE	11/30/93	ZN	CR	PC		19.30	ug/L	B
TGRSE	12/07/93	ZN	CR	PC		13.20	ug/L	B
TGRSE	01/04/94	ZN	CR	PC		15.30	ug/L	
TGRSE	02/01/94	ZN	CR	PC		16.30	ug/L	
TGRSE	03/08/94	ZN	CR	PC		13.20	ug/L	
TGRSE	04/05/94	ZN	CR	PC		13.20	ug/L	
TGRSE	05/03/94	ZN	CR	PC	<	13.00	ug/L	
TGRSE	06/07/94	ZN	CR	PC		21.40	ug/L	
TGRSE	07/07/94	ZN	CR	PC	<	13.00	ug/L	V
TGRSE	08/02/94	ZN	CR	PC		65.10	ug/L	
TGRSE	09/06/94	ZN	CR	PC		34.60	ug/L	B
TGRSI	10/05/93	111TCE	CR	PC		210.00	ug/L	
TGRSI	11/30/93	111TCE	CR	PC		290.00	ug/L	
TGRSI	12/07/93	111TCE	CR	PC		140.00	ug/L	
TGRSI	01/04/94	111TCE	CR	PC		320.00	ug/L	
TGRSI	02/01/94	111TCE	CR	PC		330.00	ug/L	
TGRSI	03/08/94	111TCE	CR	PC		210.00	ug/L	
TGRSI	04/05/94	111TCE	CR	PC		250.00	ug/L	
TGRSI	05/03/94	111TCE	CR	PC		270.00	ug/L	
TGRSI	06/07/94	111TCE	CR	PC		150.00	ug/L	
TGRSI	07/07/94	111TCE	CR	PC		300.00	ug/L	
TGRSI	08/02/94	111TCE	CR	PC		15.40	ug/L	
TGRSI	09/06/94	111TCE	CR	PC		230.00	ug/L	
TGRSI	10/05/93	112TCE	CR	PC	<	50.00	ug/L	
TGRSI	11/30/93	112TCE	CR	PC	<	50.00	ug/L	
TGRSI	12/07/93	112TCE	CR	PC	<	20.00	ug/L	
TGRSI	01/04/94	112TCE	CR	PC	<	5.00	ug/L	
TGRSI	02/01/94	112TCE	CR	PC	<	1.00	ug/L	
TGRSI	03/08/94	112TCE	CR	PC	<	50.00	ug/L	
TGRSI	04/05/94	112TCE	CR	PC	<	20.00	ug/L	
TGRSI	05/03/94	112TCE	CR	PC		1.41	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSI	06/07/94	112TCE	CR	PC	<	25.00	ug/L	
TGRSI	07/07/94	112TCE	CR	PC	<	50.00	ug/L	
TGRSI	08/02/94	112TCE	CR	PC	<	1.00	ug/L	
TGRSI	09/06/94	112TCE	CR	PC	<	25.00	ug/L	
TGRSI	10/05/93	11DCE	CR	PC	<	50.00	ug/L	
TGRSI	11/30/93	11DCE	CR	PC	<	50.00	ug/L	
TGRSI	12/07/93	11DCE	CR	PC	<	20.00	ug/L	
TGRSI	01/04/94	11DCE	CR	PC		27.00	ug/L	
TGRSI	02/01/94	11DCE	CR	PC		27.90	ug/L	
TGRSI	03/08/94	11DCE	CR	PC	<	50.00	ug/L	
TGRSI	04/05/94	11DCE	CR	PC		41.00	ug/L	
TGRSI	05/03/94	11DCE	CR	PC		34.60	ug/L	
TGRSI	06/07/94	11DCE	CR	PC		20.00	ug/L	1
TGRSI	07/07/94	11DCE	CR	PC	<	50.00	ug/L	
TGRSI	08/02/94	11DCE	CR	PC		0.78	ug/L	1JR
TGRSI	09/06/94	11DCE	CR	PC		32.00	ug/L	
TGRSI	10/05/93	11DCLE	CR	PC	<	39.00	ug/L	
TGRSI	11/30/93	11DCLE	CR	PC	<	39.00	ug/L	
TGRSI	12/07/93	11DCLE	CR	PC	<	16.00	ug/L	
TGRSI	01/04/94	11DCLE	CR	PC		27.00	ug/L	
TGRSI	02/01/94	11DCLE	CR	PC		26.10	ug/L	
TGRSI	03/08/94	11DCLE	CR	PC	<	39.00	ug/L	
TGRSI	04/05/94	11DCLE	CR	PC		32.00	ug/L	
TGRSI	05/03/94	11DCLE	CR	PC		22.60	ug/L	
TGRSI	06/07/94	11DCLE	CR	PC		16.00	ug/L	1
TGRSI	07/07/94	11DCLE	CR	PC	<	39.00	ug/L	
TGRSI	08/02/94	11DCLE	CR	PC		0.94	ug/L	
TGRSI	09/06/94	11DCLE	CR	PC		21.00	ug/L	
TGRSI	10/05/93	12DCE	CR	PC	<	25.00	ug/L	
TGRSI	11/30/93	12DCE	CR	PC	<	25.00	ug/L	
TGRSI	12/07/93	12DCE	CR	PC	<	10.00	ug/L	
TGRSI	01/04/94	12DCE	CR	PC		9.80	ug/L	
TGRSI	02/01/94	12DCE	CR	PC		10.80	ug/L	
TGRSI	03/08/94	12DCE	CR	PC	<	25.00	ug/L	
TGRSI	04/05/94	12DCE	CR	PC		14.00	ug/L	
TGRSI	05/03/94	12DCE	CR	PC		8.92	ug/L	
TGRSI	06/07/94	12DCE	CR	PC	<	13.00	ug/L	
TGRSI	07/07/94	12DCE	CR	PC	<	25.00	ug/L	
TGRSI	08/02/94	12DCE	CR	PC		0.37	ug/L	1
TGRSI	09/06/94	12DCE	CR	PC	<	13.00	ug/L	
TGRSI	10/05/93	12DCLE	CR	PC	<	25.00	ug/L	
TGRSI	11/30/93	12DCLE	CR	PC	<	25.00	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSI	12/07/93	12DCLE	CR	PC	<	10.00	ug/L	
TGRSI	01/04/94	12DCLE	CR	PC	<	2.50	ug/L	
TGRSI	02/01/94	12DCLE	CR	PC		1.34	ug/L	
TGRSI	03/08/94	12DCLE	CR	PC	<	25.00	ug/L	
TGRSI	04/05/94	12DCLE	CR	PC	<	10.00	ug/L	
TGRSI	05/03/94	12DCLE	CR	PC		1.50	ug/L	
TGRSI	06/07/94	12DCLE	CR	PC	<	13.00	ug/L	
TGRSI	07/07/94	12DCLE	CR	PC	<	25.00	ug/L	
TGRSI	08/02/94	12DCLE	CR	PC	<	0.50	ug/L	J
TGRSI	09/06/94	12DCLE	CR	PC	<	13.00	ug/L	
TGRSI	10/05/93	12DCLP	CR	PC	<	50.00	ug/L	
TGRSI	11/30/93	12DCLP	CR	PC	<	50.00	ug/L	
TGRSI	12/07/93	12DCLP	CR	PC	<	20.00	ug/L	
TGRSI	01/04/94	12DCLP	CR	PC	<	5.00	ug/L	
TGRSI	02/01/94	12DCLP	CR	PC	<	1.00	ug/L	
TGRSI	03/08/94	12DCLP	CR	PC	<	50.00	ug/L	
TGRSI	04/05/94	12DCLP	CR	PC	<	20.00	ug/L	
TGRSI	05/03/94	12DCLP	CR	PC	<	1.00	ug/L	
TGRSI	06/07/94	12DCLP	CR	PC	<	25.00	ug/L	
TGRSI	07/07/94	12DCLP	CR	PC	<	50.00	ug/L	
TGRSI	08/02/94	12DCLP	CR	PC	<	1.00	ug/L	
TGRSI	09/06/94	12DCLP	CR	PC	<	25.00	ug/L	
TGRSI	10/05/93	C2H3CL	CR	PC	<	95.00	ug/L	
TGRSI	11/30/93	C2H3CL	CR	PC	<	95.00	ug/L	
TGRSI	12/07/93	C2H3CL	CR	PC	<	38.00	ug/L	
TGRSI	01/04/94	C2H3CL	CR	PC	<	9.50	ug/L	
TGRSI	02/01/94	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSI	03/08/94	C2H3CL	CR	PC	<	95.00	ug/L	
TGRSI	04/05/94	C2H3CL	CR	PC	<	38.00	ug/L	
TGRSI	05/03/94	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSI	06/07/94	C2H3CL	CR	PC	<	48.00	ug/L	
TGRSI	07/07/94	C2H3CL	CR	PC	<	95.00	ug/L	
TGRSI	08/02/94	C2H3CL	CR	PC	<	1.90	ug/L	
TGRSI	09/06/94	C2H3CL	CR	PC	<	48.00	ug/L	
TGRSI	10/05/93	CCL4	CR	PC	<	65.00	ug/L	
TGRSI	11/30/93	CCL4	CR	PC	<	65.00	ug/L	
TGRSI	12/07/93	CCL4	CR	PC	<	26.00	ug/L	
TGRSI	01/04/94	CCL4	CR	PC	<	6.50	ug/L	
TGRSI	02/01/94	CCL4	CR	PC	<	1.30	ug/L	
TGRSI	03/08/94	CCL4	CR	PC	<	65.00	ug/L	
TGRSI	04/05/94	CCL4	CR	PC	<	26.00	ug/L	
TGRSI	05/03/94	CCL4	CR	PC	<	1.30	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
TGRSI	06/07/94	CCL4	CR	PC	<	33.00	ug/L	
TGRSI	07/07/94	CCL4	CR	PC	<	65.00	ug/L	
TGRSI	08/02/94	CCL4	CR	PC	<	1.30	ug/L	
TGRSI	09/06/94	CCL4	CR	PC	<	33.00	ug/L	
TGRSI	10/05/93	CH2CL2	CR	PC	<	160.00	ug/L	
TGRSI	11/30/93	CH2CL2	CR	PC	<	160.00	ug/L	
TGRSI	12/07/93	CH2CL2	CR	PC	<	64.00	ug/L	
TGRSI	01/04/94	CH2CL2	CR	PC	<	16.00	ug/L	
TGRSI	02/01/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSI	03/08/94	CH2CL2	CR	PC	<	160.00	ug/L	
TGRSI	04/05/94	CH2CL2	CR	PC	<	64.00	ug/L	
TGRSI	05/03/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSI	06/07/94	CH2CL2	CR	PC	<	80.00	ug/L	
TGRSI	07/07/94	CH2CL2	CR	PC	<	160.00	ug/L	
TGRSI	08/02/94	CH2CL2	CR	PC	<	3.20	ug/L	
TGRSI	09/06/94	CH2CL2	CR	PC	<	80.00	ug/L	
TGRSI	10/05/93	CHCL3	CR	PC	<	36.00	ug/L	
TGRSI	11/30/93	CHCL3	CR	PC	<	36.00	ug/L	
TGRSI	12/07/93	CHCL3	CR	PC	<	14.00	ug/L	
TGRSI	01/04/94	CHCL3	CR	PC	<	3.60	ug/L	
TGRSI	02/01/94	CHCL3	CR	PC	<	0.72	ug/L	
TGRSI	03/08/94	CHCL3	CR	PC	<	36.00	ug/L	
TGRSI	04/05/94	CHCL3	CR	PC	<	14.00	ug/L	
TGRSI	05/03/94	CHCL3	CR	PC		0.63	ug/L	1
TGRSI	06/07/94	CHCL3	CR	PC	<	18.00	ug/L	
TGRSI	07/07/94	CHCL3	CR	PC	<	36.00	ug/L	
TGRSI	08/02/94	CHCL3	CR	PC	<	0.72	ug/L	
TGRSI	09/06/94	CHCL3	CR	PC	<	18.00	ug/L	
TGRSI	10/05/93	T12DCE	CR	PC	ND	15.00	ug/L	R
TGRSI	11/30/93	T12DCE	CR	PC	ND	15.00	ug/L	R
TGRSI	12/07/93	T12DCE	CR	PC	ND	6.00	ug/L	R
TGRSI	01/04/94	T12DCE	CR	PC	ND	1.50	ug/L	R
TGRSI	02/01/94	T12DCE	CR	PC	ND	0.30	ug/L	R
TGRSI	03/08/94	T12DCE	CR	PC	ND	15.00	ug/L	T
TGRSI	04/05/94	T12DCE	CR	PC	ND	6.00	ug/L	T
TGRSI	05/03/94	T12DCE	CR	PC	ND	0.30	ug/L	T
TGRSI	06/07/94	T12DCE	CR	PC	ND	7.50	ug/L	T
TGRSI	07/07/94	T12DCE	CR	PC	ND	15.00	ug/L	T
TGRSI	08/02/94	T12DCE	CR	PC	ND	0.30	ug/L	T
TGRSI	09/06/94	T12DCE	CR	PC	ND	7.50	ug/L	T
TGRSI	10/05/93	TCLEE	CR	PC	<	50.00	ug/L	
TGRSI	11/30/93	TCLEE	CR	PC	<	50.00	ug/L	

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Qual
TGRSI	12/07/93	TCLEE	CR	PC	< 20.00	ug/L	
TGRSI	01/04/94	TCLEE	CR	PC	< 5.00	ug/L	
TGRSI	02/01/94	TCLEE	CR	PC	< 1.00	ug/L	
TGRSI	03/08/94	TCLEE	CR	PC	< 50.00	ug/L	
TGRSI	04/05/94	TCLEE	CR	PC	< 20.00	ug/L	
TGRSI	05/03/94	TCLEE	CR	PC	2.10	ug/L	
TGRSI	06/07/94	TCLEE	CR	PC	< 25.00	ug/L	
TGRSI	07/07/94	TCLEE	CR	PC	< 50.00	ug/L	
TGRSI	08/02/94	TCLEE	CR	PC	< 1.00	ug/L	
TGRSI	09/06/94	TCLEE	CR	PC	< 25.00	ug/L	
TGRSI	10/05/93	TCLTFE	CR	PC	< 50.00	ug/L	
TGRSI	11/30/93	TCLTFE	CR	PC	< 50.00	ug/L	
TGRSI	12/07/93	TCLTFE	CR	PC	< 20.00	ug/L	
TGRSI	01/04/94	TCLTFE	CR	PC	< 5.00	ug/L	
TGRSI	02/01/94	TCLTFE	CR	PC	< 1.00	ug/L	
TGRSI	03/08/94	TCLTFE	CR	PC	< 50.00	ug/L	
TGRSI	04/05/94	TCLTFE	CR	PC	< 20.00	ug/L	
TGRSI	05/03/94	TCLTFE	CR	PC	2.07	ug/L	
TGRSI	06/07/94	TCLTFE	CR	PC	< 25.00	ug/L	
TGRSI	07/07/94	TCLTFE	CR	PC	< 50.00	ug/L	
TGRSI	08/02/94	TCLTFE	CR	PC	< 1.00	ug/L	
TGRSI	09/06/94	TCLTFE	CR	PC	< 25.00	ug/L	
TGRSI	10/05/93	TRCLE	CR	PC	970.00	ug/L	
TGRSI	11/30/93	TRCLE	CR	PC	1500.00	ug/L	
TGRSI	12/07/93	TRCLE	CR	PC	970.00	ug/L	
TGRSI	01/04/94	TRCLE	CR	PC	1800.00	ug/L	
TGRSI	02/01/94	TRCLE	CR	PC	1300.00	ug/L	
TGRSI	03/08/94	TRCLE	CR	PC	1300.00	ug/L	M
TGRSI	04/05/94	TRCLE	CR	PC	1100.00	ug/L	8
TGRSI	05/03/94	TRCLE	CR	PC	970.00	ug/L	
TGRSI	06/07/94	TRCLE	CR	PC	670.00	ug/L	
TGRSI	07/07/94	TRCLE	CR	PC	1200.00	ug/L	
TGRSI	08/02/94	TRCLE	CR	PC	25.80	ug/L	
TGRSI	09/06/94	TRCLE	CR	PC	1200.00	ug/L	

Notes:

CR Conestoga-Rovers & Associates
PC Pace Laboratories
ND Not detected
D Duplicate analysis
R Non-target compound analyzed for but not detected (GC/MS methods)
J Value is estimated

1994 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*	*Units*	*Qual*

Notes (continued):

1 Result is less than the Certified Reporting Limit but greater than the Criteria of Detection
T Non-target compound analyzed for but not detected (non-GC/MS methods)
V Sample subjected to unusual storage/preservation conditions
S Non-target compound analyzed for and detected (GC/MS methods)
B Analyte found in the method blank or QC blank as well as the sample
M Code no longer in use
8 Analyte recovery outside of certified range but within acceptable limits

APPENDIX H

Appendix H

TGRS Operational Data
and
Site K Operational Data

Appendix H.1

Alliant Techsystems TGRS Extraction Well Water Pumped

FY 94

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
October 1993

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
10/01/93	266900	236200	285600	246500	217500	370900	494600	197400	215500	361500	146000	232900	67400	81600	66400	147800	3634700
10/02/93	229600	201800	243500	210900	247500	317500	420600	169100	182300	322600	123300	219500	58500	69600	49000	127000	3192300
10/03/93	300900	259500	353900	272600	278400	411300	554900	220600	237100	420900	161800	286200	75000	89800	68900	163100	4154900
10/04/93	271200	240300	260100	281800	255600	378700	509700	201100	220200	382800	143100	263500	70300	82900	62800	148800	3772900
10/05/93	300200	265700	345700	250000	286700	422700	569700	224100	243800	431200	157300	291600	76600	91700	69200	165400	4191600
10/06/93	57600	228400	246600	234700	234700	349400	464900	181900	199400	342700	134100	239000	63500	72000	62800	137400	3249100
10/07/93	254300	290000	307200	304500	306400	456800	615000	241400	264500	457100	180100	317100	36300	128800	80500	179300	4419300
10/08/93	198000	169500	194500	179700	183900	270200	364200	145100	159200	275800	107000	181300	28900	95300	41200	107900	2701700
10/09/93	285300	243800	283500	258400	261400	388300	523600	207300	225200	395100	150100	262200	42700	134800	58200	152900	3872800
10/10/93	373300	333800	367800	353500	358400	530100	713700	278500	310000	536900	200200	358400	60100	184600	78700	210600	5248600
10/11/93	257400	222900	236100	236100	244500	353700	476100	184900	206300	356800	135800	236500	40500	122600	51800	136900	3498900
10/12/93	199500	159900	181700	170500	190500	256900	347400	135000	142600	261300	98000	172100	29000	88000	36200	99200	2567800
10/13/93	293900	248300	256000	263800	285900	394100	531400	208100	218700	372000	152100	279400	46200	137200	64700	155700	3907500
10/14/93	362900	328600	127600	346100	362400	515800	686800	265800	282100	475000	208100	361500	17500	52300	91800	197800	4682100
10/15/93	222000	158200	160900	203900	218200	305900	433000	160700	171600	285800	119000	231200	26700	107700	53300	119500	2977600
10/16/93	279000	0	212600	269600	281400	398800	530600	207200	219800	367600	160300	273300	0	137200	69800	156800	3564000
10/17/93	233600	0	31000	231600	237700	340200	450200	172300	183700	310600	132300	228900	0	120600	60200	130500	2863400
10/18/93	256500	0	0	262400	266700	383600	506300	191700	204600	344900	148100	254800	-300	133900	66900	145400	3165500
10/19/93	267000	208400	186000	234800	254500	353200	432700	187500	199900	334100	143800	251900	49400	125700	66200	142800	3437900
10/20/93	342000	316800	258500	322800	350200	485600	586800	257600	273400	457400	200600	342900	84700	174300	91400	196100	4741100
10/21/93	196700	190300	198400	194300	211900	292700	341500	154600	164500	276500	115600	206000	50500	104000	56200	116700	2870400
10/22/93	276000	238100	256800	241100	264700	364700	427400	194700	207600	345800	150200	261800	62900	130600	68800	145800	3637000
10/23/93	256300	226900	260000	225700	244000	322000	397000	180300	191400	316300	144500	246400	60600	124800	65900	139100	3401200
10/24/93	266700	248100	252700	253000	264700	0	439100	194100	208500	351900	151100	269600	61300	124400	69700	145000	3299900
10/25/93	193100	187700	176000	189200	196600	16300	322400	144100	153100	258200	115500	196600	52300	94500	52700	109300	2457600
10/26/93	236800	222600	212500	225100	242200	339400	397400	178900	192000	322800	135500	246300	59700	116200	66100	136500	3330000
10/27/93	285300	249700	278400	253700	272700	383900	457300	203300	218200	368400	158300	277900	65400	131400	73300	153800	3831000
10/28/93	268300	252600	213800	250600	264500	371800	444600	114800	207600	351100	154700	268400	58600	116600	66700	154200	3558900
10/29/93	242600	220500	236900	221000	521400	330400	391100	177000	187900	312100	137800	232600	39600	115900	63200	138000	3568000
10/30/93	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	100
10/31/93	400200	354800	331400	358100	108000	537500	623300	283000	305800	510400	222500	387600	69200	199700	105100	215900	5012500
TOTAL	7873100	6503400	6955700	7546000	7913200	10642400	14453300	5862100	6396500	10905600	4486800	7877500	1453100	3488700	1977700	4475200	108810300

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
October 1993

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
09/30/93	7850000	9859600	6371100	15983100	305273600	87079800	531796100	35128400	2536900	452510300	394732300	186516400	98204700	46417800	94088600	21771300
10/01/93	8116900	10095800	6656700	16229600	52725700	87450700	86992100	35325800	2752400	5637200	394878300	32047900	98272100	46499400	94155000	21919100
10/02/93	8346500	10297600	6900200	16440500	52973200	87768200	87412700	35494900	2934700	5959800	395001600	32267400	98330600	46569000	94204000	22046100
10/03/93	8647400	10557100	7254100	16713100	53251600	88179500	87967600	35715500	3171800	6380700	395163400	32553600	98405600	46658800	94272900	22209200
10/04/93	8918600	10797400	7514200	16994900	53507200	88558200	88477300	35916600	3392000	6763500	395306500	32817100	98475900	46741700	94335700	22358000
10/05/93	9218800	11063100	7859900	17244900	53793900	88980900	89047000	36140700	3635800	7194700	395463800	33108700	98552500	46833400	94404900	22523400
10/06/93	9276400	11291500	8106500	17479600	54028600	89330300	89511900	36322600	3835200	7537400	395597900	33347700	98616000	46905400	94467700	22660800
10/07/93	9530700	11581500	8413700	17784100	54335000	89787100	90126900	36564000	4099700	7994500	395778000	33664800	41727200	47034200	94548200	22840100
10/08/93	9728700	11751000	8608200	17963800	54518900	90057300	90491100	36709100	4258900	8270300	395885000	33846100	41756100	47129500	94589400	22948000
10/09/93	10014000	11994800	8891700	18222200	54780300	90445600	91014700	36916400	4484100	8665400	396035100	34108300	41798800	47264300	94647600	23100900
10/10/93	10387300	12328600	9259500	18575700	55138700	90975700	91728400	37194900	4794100	9202300	396235300	34466700	41858900	47448900	94726300	23311500
10/11/93	10644700	12551500	9495600	18811800	55383200	91329400	92204500	37379800	5000400	9559100	396371100	34703200	41899400	47571500	94778100	23448400
10/12/93	10844200	12711400	9677300	18982300	55573700	91586300	92551900	37514800	5143000	9820400	396469100	34875300	41928400	47659500	94814300	23547600
10/13/93	11138100	12959700	9933300	19246100	55859600	91980400	93083300	37722900	5361700	10192400	396621200	35154700	41974600	47796700	94879000	23703300
10/14/93	11501000	13288300	10060900	19592200	56222000	92496200	93770100	37988700	5643800	10667400	396829300	35516200	41992100	47849000	94970800	23901100
10/15/93	11723000	13446500	10221800	19796100	56440200	92802100	94203100	38149400	5815400	10953200	396948300	35747400	42018800	47956700	95024100	24020600
10/16/93	12002000	13446500	10434400	20065700	56721600	93200900	94733700	38356600	6035200	11320800	397108600	36020700	42018800	48093900	95093900	24177400
10/17/93	12235600	13446500	10465400	20297300	56959300	93541100	95183900	38528900	6218900	11631400	397240900	36249600	42018800	48214500	95154100	24307900
10/18/93	12492100	13446500	10465400	20559700	57226000	93924700	95690200	38720600	6423500	11976300	397389000	36504400	42018500	48348400	95221000	24453300
10/19/93	12759100	13654900	10651400	20794500	57480500	94277900	96122900	38908100	6623400	12310400	397532800	36756300	42067900	48474100	95287200	24596100
10/20/93	13101100	13971700	10909900	21117300	57830700	94763500	96709700	39165700	6896800	12767800	397733400	37099200	42152600	48648400	95378600	24792200
10/21/93	13297800	14162000	11108300	21311600	58042600	95056200	97051200	39320300	7061300	13044300	397849000	37305200	42203100	48752400	95434800	24908900
10/22/93	13573800	14400100	11365100	21552700	58307300	95420900	97478600	39515000	7268900	13390100	397999200	37567000	42266000	48883000	95503600	25054700
10/23/93	13830100	14627000	11625100	21778400	58551300	95742900	97875600	39695300	7460300	13706400	398143700	37813400	42326600	49007800	95569500	25193800
10/24/93	14096800	14875100	11877800	22031400	58816000	95742900	98314700	39889400	7668800	14058300	398294800	38083000	42387900	49132200	95639200	25338800
10/25/93	14289900	15062800	12053800	22220600	59012600	95759200	98637100	40033500	7821900	14316500	398410300	38279600	42440200	49226700	95691900	25448100
10/26/93	14526700	15285400	12266300	22445700	59254800	96098600	99034500	40212400	8013900	14639300	398545800	38525900	42499900	49342900	95758000	25584600
10/27/93	14812000	15535100	12544700	22699400	59527500	96482500	99491800	40415700	8232100	15007700	398704100	38803800	42565300	49474300	95831300	25738400
10/28/93	15080300	15787700	12758500	22950000	59792000	96854300	99936400	40530500	8439700	15358800	398858800	39072200	42623900	49590900	95898000	25892600
10/29/93	15322900	16008200	12995400	23171000	60313400	97184700	100327500	40707500	8627600	15670900	398996600	39304800	42663500	49706800	95961200	26030600
10/30/93	15322900	16008200	12995400	23171000	60313400	97184700	100327500	40707500	8627600	15670900	398996600	39304900	42663500	49706800	95961200	26030600
10/31/93	15723100	16363000	13326800	23529100	60421400	97722200	100950800	40990500	8933400	16181300	399219100	39692500	42732700	49906500	96066300	26246500

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG

October 1993

	METER READINGS (GALLONS)						VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)											
DATE	Meter #1	Meter #2	Meter #3	Meter #4	Meter #5	Meter #6	Meter #1	Meter #2	TOTAL	GPM	Meter #3	Meter #4	TOTAL	GPM	Meter #5	Meter #6	TOTAL	GPM
09/30/93	1491046000	1820686000	1800906000	1990818000	1518189000	1434399000	-	-	-	-	-	-	-	-	-	-	-	-
10/01/93	1492848000	1822631000	1802374000	1992668000	1520165000	1436181000	1802000	1945000	3747000	2657	1468000	1850000	3318000	2353	1976000	1782000	3758000	2665
10/02/93	1494428000	1824323000	1803656000	1994272000	1521880000	1436181000	1580000	1692000	3272000	2727	1282000	1604000	2886000	2405	1715000	0	1715000	1429
10/03/93	1496503000	1826515000	1805309000	1996399000	1524127000	1436181000	2075000	2192000	4267000	2735	1653000	2127000	3780000	2423	2247000	0	2247000	1440
10/04/93	1498350000	1828525000	1806809000	1998288000	1526145000	1436181000	1847000	2010000	3857000	2735	1500000	1889000	3389000	2404	2018000	0	2018000	1431
10/05/93	1500434000	1830723000	1808494000	2000405000	1528411000	1436181000	2084000	2198000	4282000	2693	1685000	2117000	3802000	2391	2266000	0	2266000	1425
10/06/93	1501957000	1832543000	1809711000	2002163000	1530175000	1436181000	1523000	1820000	3343000	2591	1217000	1758000	2975000	2306	1764000	0	1764000	1367
10/07/93	1504112000	1834926000	1811450000	2004760000	1532570000	1436181000	2155000	2383000	4538000	2608	1739000	2597000	4336000	2492	2395000	0	2395000	1376
10/08/93	1505478000	1836364000	1812498000	2005866000	1534046000	1436181000	1366000	1438000	2804000	2749	1048000	1106000	2154000	2112	1476000	0	1476000	1447
10/09/93	1507434000	1838424000	1814062000	2007852000	1536167000	1436181000	1956000	2060000	4016000	2732	1564000	1986000	3550000	2415	2121000	0	2121000	1443
10/10/93	1510074000	1841228000	1816199000	2010539000	1539028000	1436181000	2640000	2804000	5444000	2749	2137000	2687000	4824000	2436	2861000	0	2861000	1445
10/11/93	1511829000	1843104000	1817617000	2012329000	1540950000	1436181000	1755000	1876000	3631000	2751	1418000	1790000	3208000	2430	1922000	0	1922000	1456
10/12/93	1513104000	1844455000	1818632000	2013632000	1542339000	1436181000	1275000	1351000	2626000	2735	1015000	1303000	2318000	2415	1389000	0	1389000	1447
10/13/93	1515083000	1846559000	1820231000	2015643000	1544490000	1436181000	1979000	2104000	4083000	2722	1599000	2011000	3610000	2407	2151000	0	2151000	1434
10/14/93	1517244000	1849224000	1822041000	2018115000	1547042000	1436181000	2161000	2665000	4826000	2514	1810000	2472000	4282000	2230	2552000	0	2552000	1329
10/15/93	1518729000	1850823000	1823204000	2019689000	1548669000	1436476000	1485000	1599000	3084000	2448	1163000	1574000	2737000	2172	1627000	295000	1922000	1525
10/16/93	1520379000	1852876000	1824513000	2021669000	1550576000	1439291000	1650000	2053000	3703000	2519	1309000	1980000	3289000	2237	1907000	2815000	4722000	3212
10/17/93	1521627000	1854593000	1825673000	2023153000	1552105000	1441560000	1248000	1717000	2965000	2411	1160000	1484000	2644000	2150	1529000	2269000	3798000	3088
10/18/93	1522984000	1856536000	1827017000	2024736000	1553809000	1444074000	1357000	1943000	3300000	2391	1344000	1583000	2927000	2121	1704000	2514000	4218000	3057
10/19/93	1524676000	1858382000	1828378000	2026504000	1555629000	1445421000	1692000	1846000	3538000	2680	1361000	1768000	3129000	2370	1820000	1347000	3167000	2399
10/20/93	1527028000	1860942000	1830262000	2028966000	1558157000	1445421000	2352000	2560000	4912000	2775	1884000	2462000	4346000	2455	2528000	0	2528000	1428
10/21/93	1528454000	1862486000	1831398000	2030462000	1559687000	1445421000	1426000	1544000	2970000	2538	1136000	1496000	2632000	2250	1530000	0	1530000	1308
10/22/93	1530309000	1864392000	1832846000	2032337000	1561623000	1445421000	1855000	1906000	3761000	2725	1448000	1875000	3323000	2408	1936000	0	1936000	1403
10/23/93	1532028000	1866136000	1834190000	2034056000	1563405000	1445421000	1719000	1744000	3463000	1723	1344000	1719000	3063000	1524	1782000	0	1782000	887
10/24/93	1533590000	1868048000	1835421000	2035918000	1565207000	1445421000	1562000	1912000	3474000	2464	1231000	1862000	3093000	2194	1802000	0	1802000	1278
10/25/93	1534719000	1869439000	1836326000	2037250000	1566522000	1445421000	1129000	1391000	2520000	2800	905000	1332000	2237000	2486	1315000	0	1315000	1461
10/26/93	1536421000	1871176000	1837670000	2038945000	1568307000	1445421000	1702000	1737000	3439000	2729	1344000	1695000	3039000	2412	1785000	0	1785000	1417
10/27/93	1538376000	1873176000	1839209000	2040915000	1570360000	1445421000	1955000	2000000	3955000	2747	1539000	1970000	3509000	2437	2053000	0	2053000	1426
10/28/93	1539929130	1874839995	1840422623	2042553135	1572031164	1445421000	1553130	1663995	3217126	2023	1213623	1638135	2851758	1794	1671164	0	1671164	1051
10/29/93	1541306435	1876315614	1841498855	2044005821	1573513140	1445421000	1377304	1475618	2852923	2023	1076232	1452686	2528918	1794	1481976	0	1481976	1051
10/30/93	1542595826	1877697043	1842506391	2045365783	1574900522	1445421000	1289391	1381430	2670821	2023	1007536	1359961	2367498	1794	1387382	0	1387382	1051
10/31/93	1544442000	1879675000	1843949000	2047313000	1576887000	1445421000	1846174	1977957	3824130	2023	1442609	1947217	3389826	1794	1986478	0	1986478	1051
TOTALS	53396000	58989000	43043000	56495000	58698000	11022000	53396000	58989000	112385000	2726	43043000	56495000	99538000	2415	58698000	11022000	69720000	1691

NOTE: USE METER #1 & #2 FOR TRACKING TOTALSYSTEM FLOW VOLUME. METERS #3 & #4 AND #5 & #6 ARE FOR PROCESS CONTROL.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
November 1993

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
10/31/93	15723100	16363000	13326800	23529100	60421400	97722200	100950800	40990500	8933400	16181300	399219100	39692500	42732700	49906500	96066300	26246500
11/01/93	15894800	16521500	13478500	23684300	60590700	97953600	101226500	41112200	9064800	16399900	399317100	39863100	42771900	49994000	96113200	26342200
11/02/93	16111800	16763200	13658500	23904600	60812000	98276200	101512100	41258900	9215700	16660800	399428300	39939400	42833300	50096200	96169900	26475200
11/03/93	16276700	16943400	13799800	24072600	60988000	98520500	101722600	41369300	9331600	16854200	399510400	39992000	42881500	50168700	96211200	26571700
11/04/93	16528000	17183000	14039400	24306200	61242200	98871000	102135400	41553400	9528200	17182100	399654200	40232100	42930100	50293200	96276500	26710000
11/05/93	16804300	17457800	14300600	24562500	61518700	99250200	102598800	41755200	9742200	17538800	399814000	40497100	42989500	50431600	96351500	26862400
11/06/93	17075600	17716900	14550000	24817700	61792100	99628800	103049400	41951100	9952200	17894000	399814000	40757800	43036400	50566400	96424100	27016000
11/07/93	17368400	18008500	14835000	25103600	62095400	100050000	103547700	42170100	10188500	18290400	399814000	41043500	43099500	50709900	96505000	27182100
11/08/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/09/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/10/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/11/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/12/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/13/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/14/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/15/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/16/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/17/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/18/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/19/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/20/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/21/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/22/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/23/93	17531600	18171100	14993900	25263000	62264500	100050000	103825500	42292200	10320200	18511400	399814000	41202800	43134600	50789900	96550100	27274700
11/24/93	17577000	18417000	15243800	25400900	62522200	100637500	104263200	42475300	10519400	18843500	399978600	41291600	43181100	50917900	96620400	27459000
11/25/93	17710800	18530100	15530400	25731100	62828600	101049900	104729500	42685200	10751000	19216000	400162400	41541800	43241800	51098600	96702400	27704600
11/26/93	17844600	18982400	15816900	26061300	63135000	101462200	105195700	42895100	10982500	19588400	400346200	41792000	43302400	51279300	96784300	27950200
11/27/93	18136000	19224000	16054500	26295400	63392900	101801000	105537100	43063600	11167500	19880900	400491000	42158200	43359200	51446500	96849500	28158200
11/28/93	18479700	19509100	16331700	26571300	63698300	102202100	105949100	43262400	11386000	20224300	400658900	42593500	43425800	51644400	96926800	28403600
11/29/93	18807300	19780700	16592200	26836900	63991600	102591000	106332000	43453400	11596200	20553200	400812000	43008500	43489800	51832700	97001200	28636500
11/30/93	19099900	20023600	16822300	27075600	64254000	102939200	106682900	43623900	11783700	20844900	400947400	43379200	43547400	52001300	97068000	28845800

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATE PUMPED

November 1993

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTALS
11/01/93	171700	158500	151700	155200	169300	231400	275700	121700	131400	218600	98000	170600	39200	87500	46900	95700	2323100
11/02/93	217000	241700	180000	220300	221300	322600	285600	146700	150900	260900	111200	76300	61400	102200	56700	133000	2787800
11/03/93	164900	180200	141300	168000	176000	244300	210500	110400	115900	193400	82100	52600	48200	72500	41300	96500	2098100
11/04/93	251300	239600	239600	233600	254200	350500	412800	184100	196600	327900	143800	240100	48600	124500	65300	138300	3450800
11/05/93	276300	274800	261200	256300	276500	379200	463400	201800	214000	356700	159800	265000	59400	138400	75000	152400	3810200
11/06/93	271300	259100	249400	255200	273400	378600	450600	195900	210000	355200	0	260700	46900	134800	72600	153600	3567300
11/07/93	292800	291600	285000	285900	303300	421200	498300	219000	236300	396400	0	285700	63100	143500	80900	166100	3969100
11/08/93	163200	162600	158900	159400	169100	0	277800	122100	131700	221000	0	159300	35100	80000	45100	92600	1977900
11/09/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/10/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/11/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/12/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/13/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/14/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/15/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/16/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/17/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/18/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/19/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/20/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/21/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/22/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/23/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/24/93	45400	245900	249900	137900	257700	587500	437700	183100	199200	332100	164600	88800	46500	128000	70300	184300	3358900
11/25/93	133800	113100	286600	330200	306400	412400	466300	209900	231600	372500	183800	250200	60700	180700	82000	245600	3865800
11/26/93	133800	452300	286500	330200	306400	412300	466200	209900	231500	372400	183800	250200	60600	180700	81900	245600	4204300
11/27/93	291400	241600	237600	234100	257900	338800	341400	168500	185000	292500	144800	366200	56800	167200	65200	208000	3597000
11/28/93	343700	285100	277200	275900	305400	401100	412000	198800	218500	343400	167900	435300	66600	197900	77300	245400	4251500
11/29/93	327600	271600	260500	265600	293300	388900	382900	191000	210200	328900	153100	415000	64000	188300	74400	232900	4048200
11/30/93	292600	242900	230100	238700	262400	348200	350900	170500	187500	291700	135400	370700	57600	168600	66800	209300	3623900
TOTAL	3376800	3660600	3495500	3546500	3832600	5217000	5732100	2633400	2850300	4663600	1728300	3686700	814700	2094800	1001700	2599300	50933900

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG

November 1993

METER READINGS (GALLONGS)

DATE	Meter #1	Meter #2	Meter #3	Meter #4	Meter #5	Meter #6
10/31/93	1544442000	1879675000	1843949000	2047313000	1576887000	1445421000
11/01/93	1545758983	1880617789	1844399720	2048877663	1578046817	1445421000
11/02/93	1547917371	1882162914	1845138400	2051441971	1579947629	1445421000
11/03/93	1549307520	1883158080	1845614160	2053093560	1581171880	1445421000
11/04/93	1550844000	1884258000	1846140000	2054919000	1582525000	1445421000
11/05/93	1552980000	1886176000	1847577000	2057062000	1584520514	1445421000
11/06/93	1554973000	1887839000	1848893000	2058984000	1586411000	1445421000
11/07/93	1557211000	1889695000	1850347000	2061153000	1588481000	1445421000
11/08/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/09/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/10/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/11/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/12/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/13/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/14/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/15/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/16/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/17/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/18/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/19/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/20/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/21/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/22/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/23/93	1558385500	1890869500	1851521500	2062327500	1589655500	1445421000
11/24/93	1560190000	1892565000	1852562000	2064609000	1591424000	1445421000
11/25/93	1562300000	1894779000	1854253000	2066764500	1593610500	1445421000
11/26/93	1564410000	1896993000	1855944000	2068920000	1595797000	1445421000
11/27/93	1566222000	1898894000	1857386000	2070775000	1597667000	1445422000
11/28/93	1568362000	1901140000	1859090000	2072968000	1599870000	1445422000
11/29/93	1570382000	1903261000	1860703000	2075031000	1601949000	1445422000
11/30/93	1572217000	1905191000	1862205000	2076877000	1603835000	1445422000
TOTALS	27775000	25516000	18256000	29564000	26948000	1000

VOLUME OF TREATED WATER (GALLONS PER MINUTE, GPM)

Meter #1	Meter #2	TOTAL	GPM	Meter #3	Meter #4	TOTAL	GPM	Meter #5	Meter #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
1316983	942789	2259771	2092	450720	1564663	2015383	1866	1159817	0	1159817	1074
2158389	1545126	3703514	2092	738680	2564309	3302989	1866	1900811	0	1900811	1074
1390149	995166	2385314	2092	475760	1651589	2127349	1866	1224251	0	1224251	1074
1536480	1099920	2636400	2092	525840	1825440	2351280	1866	1353120	0	1353120	1074
2136000	1918000	4054000	2371	1437000	2143000	3580000	2094	1995514	0	1995514	1167
1993000	1663000	3656000	2257	1316000	1922000	3238000	1999	1890486	0	1890486	1167
2238000	1856000	4094000	2624	1454000	2169000	3623000	2322	2070000	0	2070000	1327
1174500	1174500	2349000	2700	1174500	1174500	2349000	2700	1174500	0	1174500	1350
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
1804500	1695500	3500000	1598	1040500	2281500	3322000	1517	1768500	0	1768500	808
2110000	2214000	4324000	3003	1691000	2155500	3846500	2671	2186500	0	2186500	1518
2110000	2214000	4324000	3003	1691000	2155500	3846500	2671	2186500	0	2186500	1518
1812000	1901000	3713000	2750	1442000	1855000	3297000	2442	1870000	1000	1871000	1386
2140000	2246000	4386000	2758	1704000	2193000	3897000	2451	2203000	0	2203000	1386
2020000	2121000	4141000	3001	1613000	2063000	3676000	2664	2079000	0	2079000	1507
1835000	1930000	3765000	2988	1502000	1846000	3348000	2657	1886000	0	1886000	1497
27775000	25516000	53291000	2758	18256000	29564000	47820000	2475	26948000	1000	26949000	1395

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

December 1993

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
11/30/93	19099900	20023600	16822300	27075600	64254000	102939200	106682900	43623900	11783700	20844900	400947400	43379200	43547400	52001300	97068000	28845800
12/01/93	19406900	20278600	17060800	27327600	64531100	103307700	107048400	43803700	11981700	21152700	401087500	43766100	43607500	52178000	97138500	29066200
12/02/93	19746900	20560600	17346300	27607900	64837400	103717300	107456900	44006300	12207400	21502800	401242600	44173500	43674700	52364300	97213900	29295200
12/03/93	20023900	20788700	17698100	27840200	65090600	104062400	107843100	44188100	12423400	21828300	401342700	44379700	43731400	52476900	97262500	29414000
12/04/93	20348700	21055500	18111200	28112000	65386700	104465600	108297100	44400400	12675700	22208800	401461100	44616500	43797800	52608700	97319600	29554200
12/05/93	20597400	21259400	18428200	28320200	65613200	104774500	108643600	44562800	12869200	22500500	401549700	44799100	43848700	52709200	97363500	29662100
12/06/93	20985200	21578200	18921800	28646700	65960700	105257000	108865100	44811300	13166900	22948700	401683300	45180400	43931700	52862400	97429600	29827900
12/07/93	21293900	21832400	19314700	28899900	66226200	105630300	108865100	44999000	13396100	23290700	401790600	45520800	43997000	52979800	97478400	29951700
12/08/93	21621000	22101200	19730700	29176200	66514700	106035600	108895800	45203500	13647400	23572200	401936900	45800800	44059200	53107400	97533300	30077300
12/09/93	21928600	22351000	20122700	29435200	66794600	106419300	109213100	45403500	13890500	23932200	402081400	46014700	44122500	53232600	97589500	30206600
12/10/93	22181200	22555000	20444700	29647900	67025000	106735700	109496700	45567300	14091300	24226900	402189200	46178400	44174300	53334400	97634900	30311800
12/11/93	22463400	22783200	20803200	29884900	67281000	107084300	109796500	45749600	14311200	24555400	402299100	46397300	44231900	53448000	97684500	30427700
12/12/93	22837900	23084700	21278900	30199600	67622600	107550800	110230300	45992400	14606500	24993200	402442600	46646300	44307900	53597800	97751700	30585200
12/13/93	23158100	23341700	21685800	30468700	67914000	107949200	110609100	46199700	14859400	25367200	402564600	46855300	44372900	53725500	97808200	30720000
12/14/93	23444700	23570800	22042100	30704900	68162500	108181900	110922400	46377000	15076800	25687000	402870700	47076400	44428600	53831500	97853700	30831000
12/15/93	23444700	23570800	22042100	30704900	68162500	108181900	110922400	46377000	15076800	25687000	402870700	47076400	44428600	53831500	97853700	30831000
12/16/93	23444700	23570800	22042100	30704900	68162500	108181900	110922400	46377000	15076800	25687000	402870700	47076400	44428600	53831500	97853700	30831000
12/17/93	23763600	23813300	22426400	30954800	68392700	108556200	11268200	46568700	15310400	26027300	402815200	47388700	44448300	53949800	97905500	30952300
12/18/93	24106100	24071700	22837400	31225900	68675700	108954100	11645900	46774000	15559600	26393200	402966200	47644500	44502700	54077700	97963600	31086400
12/19/93	24439300	24323900	23237900	31490600	68960500	109342500	12022500	46977300	15806500	26756300	403102000	47860500	44568000	54204200	98020300	31216200
12/20/93	24754500	24563900	23618500	31742000	69238000	109711600	12391100	47170200	16041000	27101600	403208000	48070600	44631300	54323400	98073500	31338200
12/21/93	25092200	24822500	24027100	32011600	69546500	110106600	12785900	47376800	16292500	27470900	403312600	48294700	44700200	54451700	98131100	31470400
12/22/93	25386800	25051000	24374700	32250300	69820400	110457400	13138500	47559500	16512600	27798000	403408600	48499600	44761100	54568600	98183700	31588800
12/23/93	25630000	25259000	24625700	32468500	70057000	110775700	13509500	47725100	16671000	28094500	403515900	48700700	44815200	54691700	98241200	31703200
12/24/93	25910200	25518400	24904700	32686700	70355500	111172200	13958900	47927900	16854600	28458200	403674000	48977000	44883600	54843000	98313000	31841700
12/25/93	26172700	25760100	25160900	32982800	70661800	111546900	14311700	48110000	17001300	28783100	403806700	49203200	44945300	54976000	98374400	31969300
12/26/93	26435100	26001800	25417200	33267800	70968000	111921600	14664400	48292100	17204200	29107900	403939400	49429300	45007000	55109000	98435700	32096800
12/27/93	26732700	26268500	25700300	33505800	71211200	112329300	14917800	48499800	17434100	29483200	404090700	49742500	45076500	55264700	98503500	32246400
12/28/93	26966900	26469500	25926300	33716300	71446200	112639900	15268500	48661600	17613900	29774600	404214200	49948500	45123000	55383500	98560200	32362900
12/29/93	27226200	26712600	26175400	33957600	71717100	113015100	15612000	48838700	17877400	30094100	404351500	50149600	45196200	55512900	98619200	32494800
12/30/93	27439200	26918000	26378900	34158600	71941300	113440600	15933800	48982800	17970800	30356400	404461600	50317700	45259800	55614700	98667200	32599700
12/31/93	27610000	27070100	26542800	34316300	72119400	113723800	16191700	49100100	18100800	30567800	404552300	50469100	45298400	55699300	98706700	32683000

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

December 1993

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
12/01/93	307000	255000	238500	252000	277100	368500	365500	179800	198000	307800	140100	386900	60100	176700	70500	220400	3803900
12/02/93	340000	282000	285500	280300	306300	409600	408500	202600	225700	350100	155100	407400	67200	186300	75400	229000	4211000
12/03/93	277000	228100	351800	232300	253200	345100	386200	181800	216000	325500	100100	206200	56700	112600	48600	118800	3440000
12/04/93	324800	266800	413100	271800	296100	403200	454000	212300	252300	380500	118400	236800	66400	131800	57100	140200	4025600
12/05/93	248700	203900	317000	208200	226500	308900	346500	162400	193500	291700	88600	182600	50900	100500	43900	107900	3081700
12/06/93	387800	318800	493600	326500	347500	482500	221500	248500	297700	448200	133600	381300	83000	153200	66100	165800	4555600
12/07/93	308700	254200	392900	253200	265500	373300	0	187700	229200	342000	107300	340400	65300	117400	48800	123800	3409700
12/08/93	327100	268800	416000	276300	288500	405300	30700	204500	251300	281500	146300	280000	62200	127600	54900	125600	3546600
12/09/93	307600	249800	392000	259000	279900	383700	317300	200000	243100	360000	144500	213900	63300	125200	56200	129300	3724800
12/10/93	252600	204000	322000	212700	230400	316400	283600	163800	200800	294700	107800	163700	51800	101800	45400	105200	3056700
12/11/93	282200	228200	358500	237000	256000	348600	299800	182300	219900	328500	109900	218900	57600	113600	49600	115900	3406500
12/12/93	374500	301500	475700	314700	341600	466500	433800	242800	295300	437800	143500	249000	76000	149800	67200	157500	4527200
12/13/93	320200	257000	406900	269100	291400	398400	378800	207300	252900	374000	122000	209000	65000	127700	56500	134800	3871000
12/14/93	286600	229100	356300	236200	248500	232700	313300	177300	217400	319800	306100	221100	55700	106000	45500	111000	3462600
12/15/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/16/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/17/93	318900	242500	384300	249900	230200	374300	374400	191700	233600	340300	144000	312300	19700	118300	51800	121300	3707500
12/18/93	342500	258400	411000	271100	283000	397900	377700	205300	249200	365900	151000	255800	54400	127900	58100	134100	3943300
12/19/93	333200	252200	400500	264700	284800	388400	376600	203300	246900	363100	135800	216000	65300	126500	56700	129800	3843800
12/20/93	315200	240000	380600	251400	277500	369100	368600	192900	234500	345300	106000	210100	63300	119200	53200	122000	3648900
12/21/93	337700	258600	408600	269600	308500	395000	394800	206600	251500	369300	104600	224100	68900	128300	57600	132200	3915900
12/22/93	294600	228500	347600	238700	273900	350800	352600	182700	220100	327100	96000	204900	60900	116900	52600	118400	3466300
12/23/93	243200	208000	251000	218200	236600	318300	371000	165600	158400	296500	107300	201100	54100	123100	57500	114400	3124300
12/24/93	280200	259400	279000	218200	298500	396500	449400	202800	183600	363700	158100	276300	68400	151300	71800	138500	3795700
12/25/93	262500	241700	256200	296100	306300	374700	352800	182100	146700	324900	132700	226200	61700	133000	61400	127600	3486600
12/26/93	262400	241700	256300	285000	306200	374700	352700	182100	202900	324800	132700	226100	61700	133000	61300	127500	3531100
12/27/93	297600	266700	283100	238000	243200	407700	253400	207700	229900	375300	151300	313200	69500	155700	67800	149600	3709700
12/28/93	234200	201000	226000	210500	235000	310600	350700	161800	179800	291400	123500	206000	46500	118800	56700	116500	3069000
12/29/93	259300	243100	249100	241300	270900	375200	343500	177100	263500	319500	137300	201100	73200	129400	59000	131900	3474400
12/30/93	213000	205400	203500	201000	224200	425500	321800	144100	93400	262300	110100	168100	63600	101800	48000	104900	2890700
12/31/93	170800	152100	163900	157700	178100	283200	257900	117300	130000	211400	90700	151400	38600	84600	39500	83300	2310500
TOTAL	8510100	7046500	9720500	7240700	7865400	10784600	9537400	5476200	6317100	9722900	3804400	7089900	1751000	3698000	1638700	3837200	104040600

CRA/5530/BRGSFLOW/FY94/EXTDEC93.XLS

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG

December 1993

METER READINGS

DATE	Meter #1	Meter #2	Meter #3	Meter #4	Meter #5	Meter #6
11/30/93	1572217000	1905191000	1862205000	2076877000	1603835000	1445422000
12/01/93	1574142000	1907213000	1863754000	2078819000	1605810000	1445422000
12/02/93	1576275000	1909454000	1865461000	2081007000	1607998000	1445422000
12/03/93	1578003000	1911268000	1866805000	2082812000	1609771000	1445422000
12/04/93	1580063000	1913430000	1868378000	2084976000	1611884000	1445422000
12/05/93	1581612000	1915060000	1869555000	2086625000	1613474000	1445422000
12/06/93	1583882000	1917590000	1871405000	2089041000	1615871000	1445422000
12/07/93	1585501000	1919518000	1872789000	2090825000	1617647000	1445422000
12/08/93	1587128000	1921587000	1874213000	2092681000	1619501000	1445783000
12/09/93	1588997000	1923625000	1875646000	2094733000	1621377000	1447881000
12/10/93	1590524000	1925289000	1876705000	2096523000	1622909000	1449607000
12/11/93	1592239000	1927158000	1877846000	2098590000	1624628000	1451556000
12/12/93	1594496000	1929618000	1879356000	2101295000	1626894000	1454130000
12/13/93	1596426000	1931724000	1880609000	2103664000	1628830000	1456332000
12/14/93	1597983000	1933624000	1881656000	2105708000	1630483000	1458234000
12/15/93	1597983000	1933624000	1881656000	2105708000	1630483000	1458234000
12/16/93	1597983000	1933624000	1881656000	2105708000	1630483000	1458234000
12/17/93	1599785000	1935593000	1882821000	2107927000	1632291000	1460336000
12/18/93	1601774000	1937723000	1884149000	2110291000	1634257000	1462720000
12/19/93	1603698000	1939782000	1885359000	2112656000	1636157000	1464920000
12/20/93	1605506000	1941717000	1886532000	2114832000	1637945000	1467034000
12/21/93	1607487000	1943835000	1887710000	2117254000	1639902000	1469357000
12/22/93	1609221000	1945690000	1888810000	2119429000	1641616000	1471437000
12/23/93	1610801000	1947382000	1889767000	2121408000	1643172000	1473273000
12/24/93	1612678000	1949466000	1890852000	2123875000	1645070000	1475506000
12/25/93	1614247000	1951501000	1891663000	2126321000	1646796000	1477550000
12/26/93	1615815000	1953536000	1892474000	2128767000	1648522000	1479594000
12/27/93	1617689000	1955651000	1894050000	2130735000	1650429000	1481824000
12/28/93	1619235000	1957304000	1895280000	2132354000	1651965000	1483613000
12/29/93	1620722000	1959373000	1896113000	2134732000	1653673000	1485609000
12/30/93	1621363000	1961753000	1896667000	2136949000	1655126000	1487295000
12/31/93	1622196000	1963310000	1897356000	2138413000	1656279000	1488648000
TOTALS	49979000	58119000	35151000	61536000	52444000	43226000

VOLUME OF TREATED WATER (GALLONS) AND FLOWRATE (GALLONS PER MINUTE, GPM)

Meter #1	Meter #2	TOTAL	GPM	Meter #3	Meter #4	TOTAL	GPM	Meter #5	Meter #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
1925000	2022000	3947000	2799	1549000	1942000	3491000	2476	1975000	0	1975000	1401
2133000	2241000	4374000	2751	1707000	2188000	3895000	2450	2188000	0	2188000	1376
1728000	1814000	3542000	2746	1344000	1805000	3149000	2441	1773000	0	1773000	1374
2060000	2162000	4222000	2759	1573000	2164000	3737000	2442	2113000	0	2113000	1381
1549000	1630000	3179000	2789	1177000	1649000	2826000	2479	1590000	0	1590000	1395
2270000	2530000	4800000	2667	1850000	2416000	4266000	2370	2397000	0	2397000	1332
1619000	1928000	3547000	2516	1384000	1784000	3168000	2247	1776000	0	1776000	1260
1627000	2069000	3696000	2514	1424000	1856000	3280000	2231	1854000	361000	2215000	1507
1869000	2038000	3907000	2658	1433000	2052000	3485000	2371	1876000	2098000	3974000	2703
1527000	1664000	3191000	2727	1059000	1790000	2849000	2435	1532000	1726000	3258000	2785
1715000	1869000	3584000	2715	1141000	2067000	3208000	2430	1719000	1949000	3668000	2779
2257000	2460000	4717000	2711	1510000	2705000	4215000	2422	2266000	2574000	4840000	2782
1930000	2106000	4036000	2925	1253000	2369000	3622000	2625	1936000	2202000	4138000	2999
1557000	1900000	3457000	2452	1047000	2044000	3091000	2192	1653000	1902000	3555000	2521
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
1802000	1969000	3771000	2619	1165000	2219000	3384000	2350	1808000	2102000	3910000	2715
1989000	2130000	4119000	2746	1328000	2364000	3692000	2461	1966000	2384000	4350000	2900
1924000	2059000	3983000	2710	1210000	2365000	3575000	2432	1900000	2200000	4100000	2789
1808000	1935000	3743000	2712	1173000	2176000	3349000	2427	1788000	2114000	3902000	2828
1981000	2118000	4099000	2733	1178000	2422000	3600000	2400	1957000	2323000	4280000	2853
1734000	1855000	3589000	2719	1100000	2175000	3275000	2481	1714000	2080000	3794000	2874
1580000	1692000	3272000	2727	957000	1979000	2936000	2447	1556000	1836000	3392000	2827
1877000	2084000	3961000	2641	1085000	2467000	3552000	2368	1898000	2233000	4131000	2754
1569000	2035000	3604000	2503	811000	2446000	3257000	2262	1726000	2044000	3770000	2618
1568000	2035000	3603000	2502	811000	2446000	3257000	2262	1726000	2044000	3770000	2618
1874000	2115000	3989000	2607	1576000	1968000	3544000	2316	1907000	2230000	4137000	2704
1546000	1653000	3199000	2734	1230000	1619000	2849000	2435	1536000	1789000	3325000	2842
1487000	2069000	3556000	2419	833000	2378000	3211000	2184	1708000	1996000	3704000	2520
641000	2380000	3021000	1526	554000	2217000	2771000	1399	1453000	1686000	3139000	1585
833000	1557000	2390000	2096	689000	1464000	2153000	1889	1153000	1353000	2506000	2198
49979000	58119000	108098000	2576	35151000	61536000	96687000	2304	52444000	43226000	95670000	2279

NOTE: USE METER #1 & #2 FOR TRACKING TOTALSYSTEM FLOW VOLUME. METERS #3 & #4 AND #5 & #6 ARE FOR PROCESS CONTROL.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

JANUARY, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
12/31/93	27610000	27070100	26542800	34316300	72119400	113723800	16191700	49100100	18100800	30567800	404552300	50469100	45298400	55699300	98706700	32683000
01/01/94	27896700	27330400	26815600	34576700	72412900	114107700	16638000	49299600	18322600	30920300	404670000	50760300	45361400	55850300	98777800	32823600
01/02/94	28183400	27570600	27088400	34837100	72706400	114491600	17084200	49499100	18544300	31272700	404787700	51051400	45424300	55991300	98848900	32964100
01/03/94	28441100	27794600	27337900	35070100	72970300	114834300	17480400	49676600	18740700	31586700	404887800	51321000	45487400	56121800	98911300	33086800
01/04/94	28774100	28084700	27658500	35372600	73311500	115285200	17990900	49905800	18994600	31993900	405013400	51668900	45567300	56289200	98990200	33246200
01/05/94	28991600	28276000	27863500	35571800	73533400	115578400	18324100	50058000	19163100	32262500	405121800	51896700	45616600	56400600	99040200	33354000
01/06/94	29327800	28564700	28179100	35875700	73873900	116025800	18940400	50290200	19421700	32676800	405278600	52336100	45696500	56570000	99121700	33514400
01/07/94	29663900	28853400	28494600	36179500	74214300	116473200	19356600	50522400	19680200	33092000	405435400	52575400	45776300	56739300	99203100	33674800
01/08/94	29870500	29031500	28681900	36367100	74424400	116748500	19674600	50664700	19838700	33346200	405523600	52792800	45826200	56843900	99256000	33771100
01/09/94	30148600	29275300	28954500	36624800	74710400	117127200	20108900	50859200	20055000	33695000	405638700	53093600	45894700	56986400	99327800	33905000
01/10/94	30414000	29505400	29231700	36868900	74986000	117486500	20525700	51043900	20261000	34028300	405753000	53370400	45959200	57121100	99396200	34031400
01/11/94	30733900	29782000	29519600	37162700	75311200	117918200	21030500	51266400	20507800	34426300	405876300	53710600	46036500	57281600	99479400	34177900
01/12/94	30975500	29994900	29724000	37389000	75562300	118249300	21417000	51436000	20695100	34728900	405973100	53972100	46096600	57405300	99543200	34289000
01/13/94	31303200	30271500	30031200	37684900	75889300	118685200	21924900	51661800	20946900	35134400	406112100	54297200	46174100	57567200	99627600	34445000
01/14/94	31585700	30510800	30299100	37941600	76172200	119061500	22358900	51857800	21165600	35503400	406239300	54534300	46241000	57707000	99702100	34606600
01/15/94	31851800	30736100	30558600	38183900	76441300	119417600	22770300	52042800	21372400	35852500	406358300	54753800	46303800	57838300	99772600	34757400
01/16/94	32131700	30972300	30835500	38438400	76723500	119791600	23202600	52237100	21589600	36219600	406483200	54981300	46369900	57976400	99847400	34917400
01/17/94	32417100	31212500	31112400	38698000	77009700	120173600	23645300	52435300	21811400	36595100	406607600	55222800	46436800	58116200	99923400	35079300
01/18/94	32719000	31465700	31404700	38971900	77313300	120576100	24110900	52644100	22044500	36983000	406745700	55482000	46507500	58263700	100003500	35249200
01/19/94	33034600	31729100	31689800	39257900	77627900	120996200	24600900	52861500	22286700	37386400	406879300	55784900	46580700	58416000	100086200	35423700
01/20/94	33303400	31955200	31942100	39501900	77898900	121356800	25019900	53048300	22494600	37729900	407018700	56053700	46629800	58548500	100151600	35596400
01/21/94	33536000	32149000	32155000	39711000	78135100	121665800	25379300	53209100	22673500	38026300	407137000	56269900	46681900	58663300	100211600	35710800
01/22/94	33854000	32416700	32459500	40000300	78455100	122091800	25869700	53429600	22919100	38432900	407298600	56489500	46759200	58820000	100295500	35896000
01/23/94	34034500	32583100	32625700	40178000	78624700	122440400	26141000	53552100	23055200	38662900	407392200	56489500	46820600	58904800	100339700	36002800
01/24/94	34387600	32893900	32952800	40514300	78984800	122931900	26683800	53798900	23329900	39118500	407565900	56489500	46910300	59078900	100425200	36205300
01/25/94	34687100	33161200	33240600	40704800	79290200	123350800	27039000	54006800	23562900	39503900	407715100	56504300	47003000	59227700	100498800	36376800
01/26/94	34863700	33308600	33387700	40888000	79469300	123587400	27294500	54128900	23699700	39725600	407810600	56677600	47050400	59313400	100542800	36481700
01/27/94	35205000	33527400	33708500	41258900	79819400	124055500	27565200	54365900	23964500	40160200	407990600	57133600	47149700	59480600	100628900	36682700
01/28/94	35478670	33751178	33942299	41554538	80059610	124431757	27932102	54545427	24168237	40173969	408126612	57515708	47224118	59604909	100701461	36848703
01/29/94	35826459	34035563	34239418	41930245	80364877	124909917	28398374	54773576	24427153	40191468	408299460	58001304	47318690	59762886	100793673	37059665
01/30/94	35986100	34166100	34375800	42102700	80505000	125129400	28612400	54878300	24546000	40199500	408378800	58224200	47362100	59835400	100836000	37156500
01/31/94	36283800	34407400	34673900	42432200	80905800	125545500	29087800	55093100	24788000	41501500	408535800	58423600	47440900	59982600	100915100	37338700

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

JANUARY, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
01/01/94	286700	260300	272800	260400	293500	383900	446300	199500	221800	352500	117700	291200	63000	151000	71100	140600	3812300
01/02/94	286700	240200	272800	260400	293500	383900	446200	199500	221700	352400	117700	291100	62900	141000	71100	140500	3781600
01/03/94	257700	224000	249500	233000	263900	342700	396200	177500	196400	314000	100100	269600	63100	130500	62400	122700	3403300
01/04/94	333000	290100	320600	302500	341200	450900	510500	229200	253900	407200	125600	347900	79900	167400	78900	159400	4398200
01/05/94	217500	191300	205000	199200	221900	293200	333200	152200	168500	268600	108400	227800	49300	111400	50000	107800	2905300
01/06/94	336200	288700	315600	303900	340500	447400	616300	232200	258600	414300	156800	439400	79900	169400	81500	160400	4641100
01/07/94	336100	288700	315500	303800	340400	447400	416200	232200	258500	415200	156800	239300	79800	169300	81400	160400	4241000
01/08/94	206600	178100	187300	187600	210100	275300	318000	142300	158500	254200	88200	217400	49900	104600	52900	96300	2727300
01/09/94	278100	243800	272600	257700	286000	378700	434300	194500	216300	348800	115100	300800	68500	142500	71800	133900	3743400
01/10/94	265400	230100	277200	244100	275600	359300	416800	184700	206000	333300	114300	276800	64500	134700	68400	126400	3577600
01/11/94	319900	276600	287900	293800	325200	431700	504800	222500	246800	398000	123300	340200	77300	160500	83200	146500	4238200
01/12/94	241600	212900	204400	226300	251100	331100	386500	169600	187300	302600	96800	261500	60100	123700	63800	111100	3230400
01/13/94	327700	276600	307200	295900	327000	435900	507900	225800	251800	405500	139000	325100	77500	161900	84400	156000	4305200
01/14/94	282500	239300	267900	256700	282900	376300	434000	196000	218700	369000	127200	237100	66900	139800	74500	161600	3730400
01/15/94	266100	225300	259500	242300	269100	356100	411400	185000	206800	349100	119000	219500	62800	131300	70500	150800	3524600
01/16/94	279900	236200	276900	254500	282200	374000	432300	194300	217200	367100	124900	227500	66100	138100	74800	160000	3706000
01/17/94	285400	240200	276900	259600	286200	382000	442700	198200	221800	375500	124400	241500	66900	139800	76000	161900	3779000
01/18/94	301900	253200	292300	273900	303600	402500	465600	208800	233100	387900	138100	259200	70700	147500	80100	169900	3988300
01/19/94	315600	263400	285100	286000	314600	420100	490000	217400	242200	403400	133600	302900	73200	152300	82700	174500	4157000
01/20/94	268800	226100	252300	244000	271000	360600	419000	186800	207900	343500	139400	268800	49100	132500	65400	172700	3607900
01/21/94	232600	193800	212900	209100	236200	309000	359400	160800	178900	296400	118300	216200	52100	114800	60000	114400	3064900
01/22/94	318000	267700	304500	289300	320000	426000	490400	220500	245600	406600	161600	219600	77300	156700	83900	185200	4172900
01/23/94	180500	166400	166200	177700	169600	348600	271300	122500	136100	230000	93600	0	61400	84800	44200	106800	2359700
01/24/94	353100	310800	327100	336300	360100	491500	542800	246800	274700	455600	173700	0	89700	174100	85500	202500	4424300
01/25/94	299500	267300	287800	190500	305400	418900	355200	207900	233000	385400	149200	14800	92700	148800	73600	171500	3601500
01/26/94	176600	147400	147100	183200	179100	236600	255500	122100	136800	221700	95500	173300	47400	85700	44000	104900	2356900
01/27/94	341300	218800	320800	370900	350100	468100	270700	237000	264800	434600	180000	456000	99300	167200	86100	201000	4466700
01/28/94	273670	223778	233799	295638	240210	376257	366902	179527	203737	13769	136012	382108	74418	124309	72561	166003	3362698
01/29/94	347789	284385	297119	375707	305267	478160	466272	228149	258916	17499	172848	485596	94572	157977	92212	210962	4273428
01/30/94	159641	130537	136382	172455	140123	219483	214026	104724	118847	8032	79340	222896	43410	72514	42327	96835	1961574
01/31/94	297700	241300	298100	329500	400800	416100	475400	214800	242000	1302000	157000	199400	78800	147200	79100	182200	5061400
TOTAL	8673800	7337300	8131100	8115900	8786400	11821700	12896100	5993000	6687200	10933700	3983500	7954500	2142500	4283300	2208400	4655700	114604100

CRA f: data\123\wcaap\bgrsflow\jan_94

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG

JANUARY, 1994

	METER READINGS (GALLONS)						VOLUME OF TREATED WATER (GALLONS) AND FLOWRATE (GALLONS PER MINUTE, GPM)											
DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6	METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
12/31/93	1622196000	1963310000	1897356000	2138413000	1656279000	1488648000	-	-	-	-	-	-	-	-	-	-	-	-
01/01/94	1624793000	1965350000	1898934000	2140374000	1658183000	1490933000	2597000	2040000	4637000	3220	1578000	1961000	3539000	2458	1904000	2285000	4189000	2909
01/02/94	1626068000	1967389000	1900511000	2142335000	1660087000	1493217000	1275000	2039000	3314000	2254	1577000	1961000	3538000	2407	1904000	2284000	4188000	2849
01/03/94	1627808000	1969223000	1901938000	2144086000	1661803000	1495219000	1740000	1834000	3574000	2797	1427000	1751000	3178000	2487	1716000	2002000	3718000	2909
01/04/94	1630064000	1971537000	1903760000	2146314000	1663992000	1497790000	2256000	2314000	4570000	2720	1822000	2228000	4050000	2411	2189000	2571000	4760000	2833
01/05/94	1631584000	1973105000	1904822000	2148023000	1665470000	1499505000	1520000	1568000	3088000	2709	1062000	1709000	2771000	2431	1478000	1715000	3193000	2801
01/06/94	1631810000	1975477000	1906426000	2150551000	1667695000	1502116000	226000	2372000	2598000	1804	1604000	2528000	4132000	2869	2225000	2611000	4836000	3358
01/07/94	1636106000	1977848000	1908030000	2153079000	1669919000	1504727000	4296000	2371000	6667000	3472	1604000	2528000	4132000	2152	2224000	2611000	4835000	2518
01/08/94	1637512000	1979327000	1908993000	2154684000	1671299000	1506351000	1406000	1479000	2885000	3143	963000	1605000	2568000	2797	1380000	1624000	3004000	3272
01/09/94	1639417000	1981332000	1910295000	2156866000	1673172000	1508636000	1905000	2005000	3910000	2715	1302000	2182000	3484000	2419	1873000	2285000	4158000	2888
01/10/94	1641227000	1983232000	1911520000	2158943000	1674956000	1510720000	1810000	1900000	3710000	2248	1225000	2077000	3302000	2001	1784000	2084000	3868000	2344
01/11/94	1643381000	1985501000	1912975000	2161432000	1677068000	1513368000	2154000	2269000	4423000	2730	1455000	2489000	3944000	2435	2112000	2648000	4760000	2938
01/12/94	1645026000	1987255000	1914093000	2163341000	1678697000	1515313000	1645000	1754000	3399000	2698	1118000	1909000	3027000	2402	1629000	1945000	3574000	2837
01/13/94	1647190000	1989563000	1915560000	2165861000	1680847000	1518044000	2164000	2308000	4472000	2691	1467000	2520000	3987000	2399	2150000	2731000	4881000	2937
01/14/94	1649080000	1991580000	1916832000	2168065000	1682718000	1520251000	1890000	2017000	3907000	2771	1272000	2204000	3476000	2465	1871000	2207000	4078000	2892
01/15/94	1650850000	1993470000	1918034000	2170132000	1684472000	1522308000	1770000	1890000	3660000	2687	1202000	2067000	3269000	2400	1754000	2057000	3811000	2798
01/16/94	1652726000	1995470000	1919304000	2172319000	1686331000	1524494000	1876000	2000000	3876000	2749	1270000	2187000	3457000	2452	1859000	2186000	4045000	2869
01/17/94	1654626000	1997496000	1920594000	2174517000	1688214000	1526750000	1900000	2026000	3926000	2726	1290000	2198000	3488000	2422	1883000	2256000	4139000	2874
01/18/94	1656639000	1999643000	1921963000	2176856000	1690207000	1529163000	2013000	2147000	4160000	2719	1369000	2339000	3708000	2424	1993000	2413000	4406000	2880
01/19/94	1658723000	2001864000	1923387000	2179267000	1692273000	1531600000	2084000	2221000	4305000	2760	1424000	2411000	3835000	2458	2066000	2437000	4503000	2887
01/20/94	1660550000	2003785000	1924715000	2181270000	1694072000	1533738000	1827000	1921000	3748000	2603	1328000	2003000	3331000	2313	1799000	2138000	3937000	2734
01/21/94	1662124000	2005442000	1925869000	2182990000	1695623000	1535596000	1574000	1657000	3231000	2762	1154000	1720000	2874000	2456	1551000	1858000	3409000	2914
01/22/94	1664246000	2007715000	1927362000	2185407000	1697726000	1538210000	2122000	2273000	4395000	2713	1493000	2417000	3910000	2414	2103000	2614000	4717000	2912
01/23/94	1664678000	2009676000	1928042000	2186908000	1698888000	1539619000	432000	1961000	2393000	1734	680000	1501000	2181000	1580	1162000	1409000	2571000	1863
01/24/94	1666773000	2012174000	1929584000	2189468000	1701089000	1542552000	2095000	2498000	4593000	2552	1542000	2560000	4102000	2279	2201000	2933000	5134000	2852
01/25/94	1668353000	2014299000	1930849000	2191522000	1702872000	1545011000	1580000	2125000	3705000	2422	1265000	2054000	3319000	2169	1783000	2459000	4242000	2773
01/26/94	1669546000	2015566000	1931668000	2192887000	1704060000	1546660000	1193000	1267000	2460000	2733	819000	1365000	2184000	2427	1188000	1649000	2837000	3152
01/27/94	1671725000	2018007000	1933206000	2195471000	1706271000	1549761000	2179000	2441000	4620000	2655	1538000	2584000	4122000	2369	2211000	3101000	5312000	3053
01/28/94	1673873000	2020312000	1934716000	2195717000	1708406000	1552741000	2148000	2305000	4453000	3092	1510000	246000	1756000	1219	2135000	2980000	5115000	3552
01/29/94	1676020000	2022617000	1936226000	2200391000	1710540000	1555720000	2147000	2305000	4452000	2433	1510000	4674000	6184000	3379	2134000	2979000	5113000	2794
01/30/94	1677174000	2023852000	1937045000	2201691000	1711685000	1557342000	1154000	1235000	2389000	2844	819000	1300000	2119000	2523	1145000	1622000	2767000	3294
01/31/94	1679135000	2025955000	1938476000	2203871000	1713631000	1559775000	1961000	2103000	4064000	2656	1431000	2180000	3611000	2360	1946000	2433000	4379000	2862
TOTALS	36527000	38554000	26031000	40854000	35994000	42952000	56939000	62645000	119584000	2706	41120000	65458000	106578000	2412	57352000	71127000	128479000	2908

CRA f: data\123\ucaap\bgrsflow\jan_94

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

FEBRUARY

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
01/31/94	36283800	34407400	34673900	42432200	80905800	125545500	29087800	55093100	24788000	41501500	408535800	58423600	47440900	59982600	100915100	37338700
02/01/94	36522600	34601100	34908500	42695500	81207400	125873300	29453200	55263700	24979200	41817500	408662700	58573900	47505000	60102800	100980600	37490100
02/02/94	36798800	34824800	35178600	43000400	81496700	126153200	29874900	55461000	25199600	42182800	408814300	58744100	47578600	60241100	101058700	37664500
02/03/94	37141400	35101300	35515200	43372300	81852000	126723200	30401200	55705200	25471700	42636200	409002900	58963900	47669600	60412300	101155600	37873300
02/04/94	37432900	35326500	35787100	43662000	82133500	127110400	30851600	55907600	25696000	43007500	409146700	59200100	47747000	60557200	101236400	38019500
02/05/94	37664900	35507100	36011900	43897300	82363900	127431800	31230000	56073600	25881100	43319500	409263200	59392500	47806800	60669000	101299400	38133200
02/06/94	37934800	35717000	36272200	44168100	82628800	127797500	31657700	56263800	26092300	43673600	409401300	59612200	47877100	60800400	101373300	38266000
02/07/94	38194200	35917600	36515900	44428900	82877700	128149500	32070100	56446400	26294800	44015200	409525900	59841300	47943700	60925500	101443300	38390800
02/08/94	38481300	36139900	36788500	44716100	83157600	128536600	32524200	56647400	26517500	44391500	409654300	60098100	48017100	61062700	101519800	38527000
02/09/94	38798600	98625500	37091200	45033900	83467100	128966700	33027100	56869600	26746000	44807500	409800500	60418700	48101000	61216600	101599600	38677600
02/10/94	39056100	98823400	37327200	45290700	83719900	129313400	33433900	57049800	26966300	45144400	409924200	60664900	48167100	61341600	101663100	38798700
02/11/94	39402700	99056800	37656500	45637900	84061700	129783700	33985000	57293700	27239100	45596900	410083800	61003400	48257500	61509900	101750600	38960300
02/12/94	39587500	99199000	37828500	45823600	84244500	130033400	34277600	57423900	27384700	45838800	410180900	61174000	48304700	61599100	101797900	39049400
02/13/94	39953400	99470200	38173400	46190500	84604500	130528200	34857500	57681500	27672300	46316700	410372400	61503600	48398300	61775800	101893600	39224300
02/14/94	40222800	99671700	38413900	46459800	84868600	130891500	35283500	57869900	27883200	46667800	410505000	61767800	48467200	61904900	101963600	39353200
02/15/94	40497200	99671700	38683500	46733700	85138900	131269800	35725100	58061100	28096900	47021400	410645000	62062900	48542200	62035600	102034300	39484400
02/16/94	40817700	99671700	38989200	47058800	85457400	131712600	36241100	58285500	28347000	47431500	410788800	62408100	48612800	62190400	102117100	39635800
02/17/94	41112500	99671700	39271500	47356000	85748500	132117300	36713000	58489200	28573800	47807700	410915500	62722900	48698400	62334800	102193200	39777600
02/18/94	41319300	99810400	39464300	47565000	85946500	132402900	37041400	58633300	28735200	48075300	411014000	62931000	48744500	62430400	102244200	39870900
02/19/94	41567400	100008700	39699600	47813900	86189700	132734700	37430600	58806100	28927800	48386600	411127100	63193400	48794800	62550400	102305500	39987300
02/20/94	41868700	100240600	40000100	48117200	86483900	133140300	37906300	59015600	29160200	48767400	411246000	63511700	48869900	62695800	102378700	40127210
02/21/94	42138700	100463900	40252400	48389300	86748900	133506100	38332600	59204700	29371200	49111800	411360200	63793700	48943000	62826400	102449300	40255000
02/22/94	42427100	100653000	40530200	48681200	87034500	133898200	38791800	59407400	29596200	49484800	411472900	64102800	49025300	62969900	102528600	40395100
02/23/94	42728600	100653000	40806600	48975100	87325900	134307500	39267800	59614000	29825400	49863300	411581500	64418100	49112100	63109400	102606300	40532000
02/24/94	42977200	100653000	41028000	49248500	87567000	134643400	39659200	59783900	30013800	50175700	411713800	64677900	49186000	63230000	102672900	40649500
02/25/94	43222100	100052000	41252500	49461300	87804800	134977800	40050700	59953400	30202800	50485900	411846100	64936800	49257800	63346800	102737400	40760800
02/26/94	43528400	100262000	41571400	49772000	88108400	135393200	40511500	60168100	30442900	50879700	412034800	65164300	49339300	63490500	102820300	40908200
02/27/94	43831400	100571600	41888400	50080500	88413600	135804200	40952700	60381300	30682500	51272200	412230800	65337100	49420600	63637300	102906800	41064000
02/28/94	44119400	100862700	42196100	50377100	88707200	136199700	41378600	60586400	30913100	51648700	412415500	65511500	49497200	63776200	102988700	41208800

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

FEBRUARY

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
02/01/94	238800	193700	234600	263300	301600	327800	365400	170600	191200	316000	126900	150300	64100	120200	65500	151400	3281400
02/02/94	276200	223700	270100	304900	289300	279900	421700	197300	220400	365300	151600	170200	73600	138300	78100	174400	3635000
02/03/94	342600	276500	336600	371900	355300	570000	526300	244200	272100	453400	188600	219800	91000	171200	96900	208800	4725200
02/04/94	291500	225200	271900	289700	281500	387200	450400	202400	224300	371300	143800	236200	77400	144900	80800	146200	3824700
02/05/94	232000	180600	224800	235300	230400	321400	378400	166000	185100	312000	116500	192400	59800	111800	63000	113700	3123200
02/06/94	269900	209900	260300	270800	264900	365700	427700	190200	211200	354100	138100	219700	70300	131400	73900	132800	3590900
02/07/94	259400	200600	243700	260800	248900	352000	412400	182600	202500	341600	124600	229100	66600	125100	70000	124800	3444700
02/08/94	287100	222300	272600	287200	279900	387100	454100	201000	222700	376300	128400	256800	73400	137200	76500	136200	3798800
02/09/94	317300	155500	302700	317800	309500	430100	502900	222200	228500	416000	146200	320600	83900	153900	79800	150600	4137500
02/10/94	257500	197900	236000	256800	252800	346700	406800	180200	220300	336900	123700	246200	66100	125000	63500	121100	3437500
02/11/94	346600	233400	329300	347200	341800	470300	551100	243900	272800	452500	159600	338500	90400	168300	87500	161600	4594800
02/12/94	184800	142200	172000	185700	182800	249700	292600	130200	145600	241900	97100	170600	47200	89200	47300	89100	2468000
02/13/94	365900	271200	344900	366900	360000	494800	579900	257600	287600	477900	191500	329600	93600	176700	95700	174900	4868700
02/14/94	269400	201500	240500	269300	264100	363300	426000	188400	210900	351100	132600	264200	68900	129100	70000	128900	3578200
02/15/94	274400	0	269600	273900	270300	378300	441600	191200	213700	353600	140000	295100	75000	130700	70700	131200	3509300
02/16/94	320500	0	305700	325100	318500	442800	516000	224400	250100	410100	143800	345200	70600	154800	82800	151400	4061800
02/17/94	294800	0	282300	297200	291100	404700	471900	203700	226800	376200	126700	314800	85600	144400	76100	141800	3738100
02/18/94	206800	138700	192800	209000	198000	285600	328400	144100	161400	267600	98500	208100	46100	95600	51000	93300	2725000
02/19/94	248100	198300	235300	248900	243200	331800	389200	172800	192600	311300	113100	262400	50300	120000	61300	116400	3295000
02/20/94	301300	231900	300500	303300	294200	405600	475700	209500	232400	380800	118900	318300	75100	145400	73200	139910	4006010
02/21/94	270000	223300	252300	272100	265000	365800	426300	189100	211000	344400	114200	282000	73100	130600	70600	127790	3617590
02/22/94	288400	189100	277800	291900	285600	392100	459200	202700	225000	373000	112700	309100	82300	143500	79300	140100	3851800
02/23/94	301500	0	276400	293900	291400	409300	476000	206600	229200	378500	108600	315300	86800	139500	77700	136900	3727600
02/24/94	248600	0	221400	273400	241100	335900	391400	169900	188400	312400	132300	259800	73900	120600	66600	117500	3153200
02/25/94	244900	0	224500	212800	237800	334400	391500	169500	189000	310200	132300	258900	71800	116800	64500	111300	3070200
02/26/94	306300	210000	318900	310700	303600	415400	460800	214700	240100	393800	188700	227500	81500	143700	82900	147400	4046000
02/27/94	303000	309600	317000	308500	305200	411000	441200	213200	239600	392500	196000	172800	81300	146800	86500	155800	4080000
02/28/94	288000	291100	307700	296600	293600	395500	425900	205100	230600	376500	184700	174400	76600	138900	81900	144800	3911900
TOTAL	7835600	4726200	7522200	7944900	7801400	10654200	12290800	5493300	6125100	10147200	3879700	7087900	2056300	3793600	2073600	3870100	103302100

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
FEBRUARY 1994

	METER READINGS (GALLONS)						VOLUME OF TREATED WATER (GALLONS) AND FLOWRATE (GALLONS PER MINUTE, GPM)											
DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6	METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
1/31/94	1679135000	2025955000	1938476000	2203871000	1713631000	1559775000	-	-	-	-	-	-	-	-	-	-	-	-
02/01/94	1680767000	2027706000	1939690000	2205670000	1715751000	1561819000	1632000	1751000	3383000	2750	1214000	1799000	3013000	2450	2120000	2044000	4164000	3385
02/02/94	1682652000	2029729000	1941032000	2207819000	1717123000	1564116000	1885000	2023000	3908000	2714	1342000	2149000	3491000	2424	1372000	2297000	3669000	2548
02/03/94	1685000000	2032244000	1942727000	2210442000	1719454000	1567038000	2348000	2515000	4863000	2702	1695000	2623000	4318000	2399	2331000	2922000	5253000	2918
02/04/94	1686951000	2034337000	1944172000	2212594000	1721392000	1569418000	1951000	2093000	4044000	2868	1445000	2152000	3597000	2551	1938000	2380000	4318000	3062
02/05/94	1688531000	2036031000	1945351000	2214324000	1722961000	1571413000	1580000	1694000	3274000	2728	1179000	1730000	2909000	2424	1569000	1995000	3564000	2970
02/06/94	1690349000	2037980000	1946660000	2216372000	1724767000	1573717000	1818000	1949000	3767000	2730	1309000	2048000	3357000	2433	1806000	2304000	4110000	2978
02/07/94	1692082000	2039837000	1947924000	2218299000	1726490000	1575872000	1733000	1857000	3590000	2720	1264000	1927000	3191000	2417	1723000	2155000	3878000	2938
02/08/94	1694002000	2041894000	1949367000	2220390000	1728397000	1578105000	1920000	2057000	3977000	2705	1443000	2091000	3534000	2404	1907000	2233000	4140000	2816
02/09/94	1696099000	2044174000	1950919000	2222740000	1730494000	1580685000	2097000	2280000	4377000	2702	1552000	2350000	3902000	2409	2097000	2580000	4677000	2887
02/10/94	1697822000	2046023000	1952204000	2224634000	1732212000	1582838000	1723000	1849000	3572000	2706	1285000	1894000	3179000	2408	1718000	2153000	3871000	2933
02/11/94	1700134000	2048516000	1953907000	2227204000	1734514000	1585814000	2312000	2493000	4805000	2715	1703000	2570000	4273000	2414	2302000	2976000	5278000	2982
02/12/94	1701343000	2049846000	1954816000	2228582000	1735753000	1587489000	1209000	1330000	2539000	2730	909000	1378000	2287000	2459	1239000	1675000	2914000	3133
02/13/94	1703839000	2052480000	1956555000	2231379000	1738200000	1590843000	2496000	2634000	5130000	2714	1739000	2797000	4536000	2400	2447000	3354000	5801000	3069
02/14/94	1705653000	2054425000	1957874000	2233413000	1740001000	1593332000	1814000	1945000	3759000	2724	1319000	2034000	3353000	2430	1801000	2489000	4290000	3109
02/15/94	1707353000	2056369000	1959113000	2235419000	1741752000	1595842000	1700000	1944000	3644000	2584	1239000	2006000	3245000	2301	1751000	2510000	4261000	3022
02/16/94	1709299000	2058657000	1960564000	2237741000	1743790000	1598641000	1946000	2288000	4234000	2614	1451000	2322000	3773000	2329	2038000	2799000	4837000	2986
02/17/94	1711167000	2060823000	1961980000	2239930000	1745731000	1601323000	1868000	2166000	4034000	2637	1416000	2189000	3605000	2356	1941000	2682000	4623000	3022
02/18/94	1712498000	2062197000	1962949000	2241357000	1747026000	1603116000	1331000	1374000	2705000	2004	969000	1427000	2396000	1775	1295000	1793000	3088000	2287
02/19/94	1714177000	2063972000	1964127000	2243261000	1748683000	1605378000	1679000	1775000	3454000	2741	1178000	1904000	3082000	2446	1657000	2262000	3919000	3110
02/20/94	1716213000	2066126000	1965551000	2245569000	1750694000	1608211000	2036000	2154000	4190000	2739	1424000	2308000	3732000	2439	2011000	2833000	4844000	3166
02/21/94	1718019000	2068069000	1966802000	2247660000	1752498000	1610668000	1806000	1943000	3749000	2717	1251000	2091000	3342000	2422	1804000	2457000	4261000	3088
02/22/94	1720021000	2070244000	1968214000	2249967000	1754502000	1613299000	2002000	2175000	4177000	2785	1412000	2307000	3719000	2479	2004000	2631000	4635000	3090
02/23/94	1721715000	2072288000	1969449000	2252081000	1756300000	1615526000	1694000	2044000	3738000	2492	1235000	2114000	3349000	2233	1798000	2227000	4025000	2683
02/24/94	1723279000	2074116000	1970585000	2253966000	1757932000	1617533000	1564000	1828000	3392000	2692	1136000	1885000	3021000	2398	1632000	2007000	3639000	2888
02/25/94	1724769000	2075864000	1971667000	2255779000	1759491000	1619417000	1490000	1748000	3238000	2570	1082000	1813000	2895000	2298	1559000	1884000	3443000	2733
02/26/94	1726685000	2077984000	1973034000	2258010000	1761437000	1621773000	1916000	2120000	4036000	2638	1367000	2231000	3598000	2352	1946000	2356000	4302000	2812
02/27/94	1728714000	2080190000	1974463000	2260360000	1763473000	1624193000	2029000	2206000	4235000	2715	1429000	2350000	3779000	2422	2036000	2420000	4456000	2856
02/28/94	1730632000	2082277000	1975810000	2262581000	1765401000	1626464000	1918000	2087000	4005000	2670	1347000	2221000	3568000	2379	1928000	2271000	4199000	2799
TOTALS	51497000	56322000	37334000	58710000	51770000	66689000	51497000	56322000	107819000	2735	37334000	58710000	96044000	2436	51770000	66689000	118459000	3005

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

MARCH, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
02/28/94	44119400	100862700	42196100	50377100	88707200	136199700	41378600	60586400	30913100	51648700	412415500	65511500	49497200	63776200	102988700	41208800
03/01/94	44402400	101144000	42499000	50663200	88989300	136580600	41800800	60784300	31135300	52011000	412596200	65687600	49574000	63916400	103052700	41354200
03/02/94	44621800	101185300	42735500	50886200	89208100	136882000	42152600	60939000	31308400	52293500	412733900	65908600	49633700	64022300	103098100	41462900
03/03/94	44904000	101449200	43037900	51175200	89492500	137264500	42579300	61138100	31532100	52658100	412914700	66100700	49703700	64154800	103155100	41600900
03/04/94	45192100	101732700	43295300	51466300	89778100	137649000	43025000	61328900	31750600	53025300	413045300	66352700	49772900	64291400	103210800	41745600
03/05/94	45477000	102026600	43528200	51752300	90059400	138044200	43338500	61516300	31966800	53386000	413175700	66651800	49837900	64428100	103255100	41884000
03/06/94	45794800	102351600	43779000	52080100	90373700	138480400	43866600	61725700	32206900	53787500	413315500	66999300	49911400	64581500	103307900	41889900
03/07/94	46028100	102582600	43948200	52312400	90601400	138793600	44199500	61876300	32380400	54076300	413415700	67252300	49962900	64691000	103345200	41997800
03/08/94	46335600	102888900	44184500	52624500	90898800	139202300	44678200	62075900	32609000	54455800	413540700	67581200	50029500	64836800	103392100	42140200
03/09/94	46650400	103218900	44431400	52952600	91216700	139643500	45104100	62285800	32850700	54875300	413670000	67893900	50099700	64988800	103442300	42250100
03/10/94	46881700	103461800	44597100	53196400	91453500	139968500	45430900	62443600	33031500	55203000	413772400	68183200	50150700	65102900	103480700	42368900
03/11/94	47163400	103492500	44831300	53462100	91709400	140321900	45838300	62612600	33225400	55556900	413881900	68508700	50206200	65226000	103521200	42497200
03/12/94	47507100	103827100	45187600	53786900	92033700	140767400	46353500	62826800	33471000	56004400	414077500	68560000	50275200	65382300	103574600	42654200
03/13/94	47788600	104106600	45490900	54052000	92296200	141130100	46780800	63000900	33669400	56369300	414228600	68560000	50330100	65508600	103615200	42779000
03/14/94	48038300	104363200	45747500	54293100	92544000	141464900	47113600	63151500	33844900	56674400	414371300	68859800	50382300	65614100	103657000	42904100
03/15/94	48337600	104659700	46014600	54571700	92832800	141854900	47518800	63338800	34061700	57056500	414552200	69006900	50445300	65748700	103710000	43077900
03/16/94	48653200	104914500	46355200	54863700	93134100	142260800	47852800	63535400	34288500	57423800	414706200	69196000	50510100	65891800	103765100	43229700
03/17/94	48929800	105152300	46664400	55120600	93397200	142616700	48332000	63707600	34487600	57738000	414824000	69367800	50565900	66017300	103814500	43354200
03/18/94	49260200	105439100	47021500	55424000	93702400	143043900	48767400	63909300	34719600	58101900	414959200	69602300	50628700	66166800	103871400	43510500
03/19/94	49517200	105666300	47300400	55659400	93945200	143379300	49123400	64070000	34905100	58396000	415045200	69822200	50676400	66280100	103908800	43625500
03/20/94	49828400	105943600	47640000	55945500	94234800	143778100	49543100	64262800	35125200	58745100	415148800	70077600	50733700	66420400	103953000	43766800
03/21/94	50120700	106193700	47962300	56216100	94505700	144153600	49934500	64444500	35334100	59075300	415248700	70323300	50785300	66552600	103997200	43905500
03/22/94	50410000	106441600	48280700	56490400	94774900	144526200	50322600	64624200	35540500	59403600	415351700	70564000	50833500	66683200	104042400	44042100
03/23/94	50742400	106747800	48654200	56805300	95087500	144993500	50777200	64829300	35777300	59779000	415481900	70813200	50888800	66832300	104096400	44196300
03/24/94	51015400	106979700	48953100	57056100	95348000	145350100	51153300	65001400	35976200	60091200	415580900	71056300	50930100	66955400	104140600	44319000
03/25/94	51255800	107181900	49218700	57278500	95574900	145661300	51483100	65153100	36149200	60363600	415667100	71265100	50970400	67065600	104182700	44436000
03/26/94	51662700	107526700	49658300	57656600	95959300	146188500	52035600	65408400	36440400	60822100	415805300	71611300	51036700	67250300	104242900	44629300
03/27/94	51929100	107749600	49946700	57906700	96211900	146534200	52403700	65576000	36661300	61122800	415902400	71835400	51073500	67371300	104281600	44752000
03/28/94	52140000	107928200	50170500	58105400	96412100	146808400	52687200	65708200	36783100	61361100	415979300	72010400	51102000	67467000	104311700	44847400
03/29/94	52437600	108182100	50498600	58387800	96689900	147195200	53093700	65894500	36995300	61696500	416088400	72257200	51140700	67601500	104352400	44980300
03/30/94	52755300	108455500	50867700	58693900	96997500	147611600	53538200	66097300	37227600	62068700	416258800	72512300	51190200	67748100	104433300	45130800
03/31/94	53036000	108702000	51192900	58963400	97266300	147980100	53944200	66277700	37432126	62401200	416421700	72707323	51229300	67863600	104507500	45252200

CRA f: data\123\tcaap\bgrsflow\jan_94

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

MARCH, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
03/01/94	283000	281300	302900	286100	282100	380900	422200	197900	222200	362300	180700	176100	76800	140200	64000	145400	3804100
03/02/94	219400	41300	236500	223000	218800	301400	351800	154700	173100	282500	137700	221000	59700	105900	45400	108700	2880900
03/03/94	282200	263900	302400	289000	284400	382500	426700	199100	223700	364600	180800	192100	70000	132500	57000	138000	3788900
03/04/94	288100	283500	257400	291100	285600	384500	445700	190800	218500	367200	130600	252000	69200	136600	55700	144700	3801200
03/05/94	284900	293900	232900	286000	281300	395200	313500	187400	216200	360700	130400	299100	65000	136700	44300	138400	3665900
03/06/94	317800	325000	250800	327800	314300	436200	528100	209400	240100	401500	139800	347500	73500	153400	52800	5900	4123900
03/07/94	233300	231000	169200	232300	227700	313200	332900	150600	173500	288800	100200	253000	51500	109500	37300	107900	3011900
03/08/94	307500	306300	236300	312100	297400	408700	478700	199600	228600	379500	125000	328900	66600	145800	46900	142400	4010300
03/09/94	314800	330000	246900	328100	317900	441200	425900	209900	241700	419500	129300	312700	70200	152000	50200	109900	4100200
03/10/94	231300	242900	165700	243800	236800	325000	326800	157800	180800	327700	102400	289300	51000	114100	38400	118800	3152600
03/11/94	281700	30700	234200	265700	255900	353400	407400	169000	193900	353900	109500	325500	55500	123100	40500	128300	3328200
03/12/94	343700	334600	356300	324800	324300	445500	515200	214200	245600	447500	195600	51300	69000	156300	53400	157000	4234300
03/13/94	281500	279500	303300	265100	262500	362700	427300	174100	198400	364900	151100	0	54900	126300	40600	124800	3417000
03/14/94	249700	256600	256600	241100	247800	334800	332800	150600	175500	305100	142700	299800	52200	105500	41800	125100	3317700
03/15/94	299300	296500	267100	278600	288800	390000	405200	187300	216800	382100	180900	147100	63000	134600	53000	173800	3764100
03/16/94	315600	254800	340600	292000	301300	405900	334000	196600	226800	367300	154000	189100	64800	143100	55100	151800	3792800
03/17/94	276600	237800	309200	256900	263100	355900	479200	172200	199100	314200	117800	171800	55800	125500	49400	124500	3509000
03/18/94	330400	286800	357100	303400	305200	427200	435400	201700	232000	363900	135200	234500	62800	149500	56900	156300	4038300
03/19/94	257000	227200	278900	235400	242800	335400	356000	160700	185500	294100	86000	219900	47700	113300	37400	115000	3192300
03/20/94	311200	277300	339600	286100	289600	398800	419700	192800	220100	349100	103600	255400	57300	140300	44200	141300	3826400
03/21/94	292300	250100	322300	270600	270900	375500	391400	181700	208900	330200	99900	245700	51600	132200	44200	138700	3606200
03/22/94	289300	247900	318400	274300	269200	372600	388100	179700	206400	328300	103000	240700	48200	130600	45200	136600	3578500
03/23/94	332400	306200	373500	314900	312600	467300	454600	205100	236800	375400	130200	249200	55300	149100	54000	154200	4170800
03/24/94	273000	231900	298900	250800	260500	356600	376100	172100	198900	312200	99000	243100	41300	123100	44200	122700	3404400
03/25/94	240400	202200	265600	222400	226900	311200	329800	151700	173000	272400	86200	208800	40300	110200	42100	117000	3000200
03/26/94	406900	344800	439600	378100	384400	527200	552500	255300	291200	458500	138200	346200	66300	184700	60200	193300	5027400
03/27/94	266400	222900	288400	250100	252600	345700	368100	167600	220900	300700	97100	224100	36800	121000	38700	122700	3323800
03/28/94	210900	178600	223800	198700	200200	274200	283500	132200	121800	238300	76900	175000	28500	95700	30100	95400	2563800
03/29/94	297600	253900	328100	282400	277800	386800	406500	186300	212200	335400	109100	246800	38700	134500	40700	132900	3669700
03/30/94	317700	273400	369100	306100	307600	416400	444500	202800	232300	372200	170400	255100	49500	146600	80900	150500	4095100
03/31/94	280700	246500	325200	269500	268800	368500	406000	180400	204526	332500	162900	195023	39100	115500	74200	121400	3590749
TOTAL	8916600	7839300	8996800	8586300	8559100	11780400	12565600	5691300	6519026	10752500	4006200	7195823	1732100	4087400	1518800	4043400	112790649

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG

MARCH, 1994

DATE	METER READINGS (GALLONS)						VOLUME OF TREATED WATER (GALLONS) AND FLOWRATE (GALLONS PER MINUTE, GPM)											
	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6	METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
2/28/94	1730632000	2082277000	1975810000	2262581000	1765401000	1626464000	-	-	-	-	-	-	-	-	-	-	-	-
03/01/94	1732605000	2084423000	1977191000	2264869000	1767379000	1628785000	1973000	2146000	4119000	2921	1381000	2288000	3669000	2602	1978000	2321000	4299000	3049
03/02/94	1733960000	2085938000	1978157000	2266461000	1768754000	1630391000	1355000	1515000	2870000	2586	966000	1592000	2558000	2305	1375000	1606000	2981000	2686
03/03/94	1735844000	2087983000	1979463000	2268664000	1770652000	1632615000	1884000	2045000	3929000	2728	1306000	2203000	3509000	2437	1898000	2224000	4122000	2863
03/04/94	1737746000	2090049000	1980783000	2270877000	1772561000	1634852000	1902000	2066000	3968000	2699	1320000	2213000	3533000	2403	1909000	2237000	4146000	2820
03/05/94	1739535000	2092103000	1982074000	2273014000	1774402000	1637011000	1789000	2054000	3843000	2614	1291000	2137000	3428000	2332	1841000	2159000	4000000	2721
03/06/94	1741618000	2094459000	1983561000	2275503000	1776537000	1639516000	2083000	2356000	4439000	2690	1487000	2489000	3976000	2410	2135000	2505000	4640000	2812
03/07/94	1743066000	2096038000	1984587000	2277166000	1777998000	1641238000	1448000	1579000	3027000	2587	1026000	1663000	2689000	2298	1461000	1722000	3183000	2721
03/08/94	1745094000	2098253000	1986029000	2279520000	1780040000	1643654000	2028000	2215000	4243000	2720	1442000	2354000	3796000	2433	2042000	2416000	4458000	2858
03/09/94	1747156000	2100597000	1987525000	2281956000	1782157000	1646171000	2062000	2344000	4406000	2670	1496000	2436000	3932000	2383	2117000	2517000	4634000	2808
03/10/94	1748663000	2102219000	1988594000	2283667000	1783663000	1647967000	1507000	1622000	3129000	2608	1069000	1711000	2780000	2317	1506000	1796000	3302000	2752
03/11/94	*1750381000*	*2104019000*	*1989633000*	*2285778000*	*1785350000*	*1649987000*	*1718000*	*1800000*	*3518000*	*2606*	*1039000*	*2111000*	*3150000*	*2333*	*1687000*	*2020000*	*3707000*	*2746*
03/12/94	1752562000	2106302000	1991056000	2288343000	1787495000	1652567000	2181000	2283000	4464000	2657	1423000	2565000	3988000	2374	2145000	2580000	4725000	2813
03/13/94	1754305000	2108127000	1992202000	2290385000	1789209000	1654635000	1743000	1825000	3568000	2643	1146000	2042000	3188000	2361	1714000	2068000	3782000	2801
03/14/94	1755969000	2109870000	1993288000	2292345000	1790854000	1656629000	1664000	1743000	3407000	2641	1086000	1960000	3046000	2361	1645000	1994000	3639000	2821
03/15/94	1757874000	2111860000	1994476000	2294622000	1792726000	1658906000	1905000	1990000	3895000	2650	1188000	2277000	3465000	2357	1872000	2277000	4149000	2822
03/16/94	1759877000	2113956000	1995634000	2297126000	1794695000	1661311000	2003000	2096000	4099000	2679	1158000	2504000	3662000	2393	1969000	2405000	4374000	2859
03/17/94	1761613000	2115773000	1996603000	2299343000	1796403000	1663407000	1736000	1817000	3553000	2632	969000	2217000	3186000	2360	1708000	2096000	3804000	2818
03/18/94	1763798000	2117972000	1997814000	2302045000	1798510000	1666004000	2185000	2199000	4384000	2657	1211000	2702000	3913000	2372	2107000	2597000	4704000	2851
03/19/94	1765388000	2119597000	1998839000	2303902000	1800051000	1667907000	1590000	1625000	3215000	2614	1025000	1857000	2882000	2343	1541000	1903000	3444000	2800
03/20/94	1767375000	2121627000	2000075000	2306252000	1801982000	1670303000	1987000	2030000	4017000	2678	1236000	2350000	3586000	2391	1931000	2396000	4327000	2885
03/21/94	1769246000	2123539000	2001291000	2308407000	1803802000	1672576000	1871000	1912000	3783000	2683	1216000	2155000	3371000	2391	1820000	2273000	4093000	2903
03/22/94	1771089000	2125424000	2002330000	2310667000	1805600000	1674829000	1843000	1885000	3728000	2701	1039000	2260000	3299000	2391	1798000	2253000	4051000	2936
03/23/94	1773034000	2127858000	2003437000	2313527000	1807715000	1677501000	1945000	2434000	4379000	2433	1107000	2860000	3967000	2204	2115000	2672000	4787000	2659
03/24/94	1774767000	2129672000	2004519000	2315612000	1809415000	1679655000	1733000	1814000	3547000	2627	1082000	2085000	3167000	2346	1700000	2154000	3854000	2855
03/25/94	1776345000	2131257000	2005507000	2317443000	1810936000	1681583000	1578000	1585000	3163000	2703	988000	1831000	2819000	2409	1521000	1928000	3449000	2948
03/26/94	1778961000	2133926000	2006995000	2320684000	1813480000	1684825000	2616000	2669000	5285000	2669	1488000	3241000	4729000	2388	2544000	3242000	5786000	2922
03/27/94	1780683000	2135676000	2007994000	2322788000	1815151000	1686963000	1722000	1750000	3472000	2630	999000	2104000	3103000	2351	1671000	2138000	3809000	2886
03/28/94	1782029000	2137057000	2008886000	2324322000	1816463000	1688646000	1346000	1381000	2727000	2674	892000	1534000	2426000	2378	1312000	1683000	2995000	2936
03/29/94	1783935000	2139009000	2010140000	2326507000	1818370000	1691038000	1906000	1952000	3858000	2679	1254000	2185000	3439000	2388	1907000	2392000	4299000	2985
03/30/94	1786063000	2141139000	2011563000	2328898000	1820374000	1693690000	2128000	2130000	4258000	2678	1423000	2391000	3814000	2399	2004000	2652000	4656000	2928
03/31/94	1787945000	2143027000	2012810000	2330996000	1822183000	1696032000	1882000	1888000	3770000	2732	1247000	2098000	3345000	2424	1809000	2342000	4151000	3008
TOTALS	57313000	60750000	37000000	68415000	56782000	69568000	57313000	60750000	118063000	2691	37000000	68415000	105415000	2403	56782000	69568000	126350000	2880

CRA f: data\123\tcaap\bgrsflow\jan_94

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

APRIL, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
03/31/93	53036000	108702000	51192900	58963400	97266300	147980100	53944200	66277700	37432126	62401200	416421700	72707323	51229300	67863600	104507500	45252200
04/01/94	53392000	109016600	51604100	59305100	97609900	148446300	54455100	66506200	37698900	62822000	416638400	72961700	51284500	68030000	104616000	45401600
04/02/94	53627700	109224800	51879600	59531400	97837900	148756600	54793600	66658100	37874300	63102300	416779100	73115200	51320600	68140900	104690000	45521000
04/03/94	53876107	109445067	52169820	59772993	98078980	149084013	55150833	66818447	38059380	63397933	416929647	73275173	51354573	68257940	104768353	45645320
04/04/94	54160000	109696800	52501500	60049100	98354500	149458200	55559100	67001700	38270900	63735800	417101700	73458000	51393400	68391700	104857900	45787400
04/05/94	54447200	109950900	52837100	60330100	98634600	149836800	55973600	67187200	38484900	64077700	417273400	73644000	36302200	68526500	104946700	45931000
04/06/94	54815200	110276400	53264900	60689300	98992500	150321500	56510400	67424700	38758500	64514700	417492900	73894300	36319200	68698900	105062300	46106700
04/07/94	55091300	110521000	53581400	60954300	99261900	150686400	56895100	67603200	38963900	64843500	417661100	74057800	36376500	68830000	105149500	46238800
04/08/94	55311500	110716000	53836000	61162700	99478400	150976400	57204100	67745500	39127500	65105400	417795100	74183700	36430800	68933900	105219200	46344200
04/09/94	55693900	111054700	54274500	61524700	99855200	151478600	57739900	67992500	39411300	65559200	418026700	74400800	36526000	69114400	105341100	46526500
04/10/94	55897300	111234800	54502600	61718500	100056600	151746200	58029600	68124200	39562800	65801200	418153400	74513800	36576600	69210200	105405900	46623600
04/11/94	56234000	111534100	54880900	62041300	100390400	152192300	58508800	68343400	39814900	66204600	418372600	74701400	36660400	69368500	105512300	46788200
04/12/94	56461400	111736600	55137700	62259900	100614600	152492300	58845800	68491300	39984900	66475900	418521300	74847900	36716900	69475600	105585700	46845900
04/13/94	56738500	112002600	55447700	62529200	100887500	152863200	59271500	68673800	40194400	66808500	418694600	75118000	36783200	69608200	105676100	46979500
04/14/94	57096300	112341800	55850500	62878600	101237900	153338700	59817500	68908000	40464400	67231300	418906200	75460700	36867500	69777500	105791100	47179800
04/15/94	57372900	112605600	56161400	63143600	101506600	153700000	60244000	69088500	40671400	67559100	419070500	75731500	36930800	69909600	105883100	47284800
04/16/94	57563300	112816600	56413000	63362200	101730200	154000700	60598700	69236500	40841700	67828200	419206700	75959900	36984200	70017400	105956400	47387600
04/17/94	57796700	113086200	56731800	63651700	102014900	154384000	61049900	69425800	41058000	68168700	419373700	76251300	37053400	70155300	106051600	47520600
04/18/94	57965300	113325100	56959400	63851600	102225000	154792000	61368000	69558400	41213700	68415500	419498200	76401500	37116300	70248900	106121400	47568300
04/19/94	58135700	113524600	57204900	64057800	102442000	155087100	61710700	69703500	41380800	68678500	419635500	76641700	37149800	70355200	106192000	47666200
04/20/94	58361800	113785600	57527500	64328400	102721600	155469100	62159500	69892500	41596900	69019400	419812600	76958300	37201300	70492600	106284400	47799300
04/21/94	58630000	114100500	57923800	64659000	103053400	155926000	62697300	70119800	41856000	69426900	420023200	77335200	37266800	70660100	106399400	47970900
04/22/94	58805000	114327800	58205900	64897800	103290200	156243700	63083000	70282500	42043700	69720600	420186100	77604000	37313000	70777400	106480900	48085900
04/23/94	59121200	114619200	58572600	65203800	103603800	156671400	63577900	70493400	42287300	70103100	420388800	77962500	37370300	70928300	106572400	48231800
04/24/94	59438600	114866900	58899200	65481000	103883800	157045200	64022000	70683400	42505900	70444900	420571300	78282500	37422400	71066200	106676000	48367600
04/25/94	59758200	115130700	59229700	65758100	104170100	157376200	64464000	70874400	42725100	70793300	420748000	78622500	37475300	71205700	106767500	48500500
04/26/94	59962700	115303400	59440200	65935700	104354800	157619600	64741700	70996200	42864700	71015900	420861600	78779500	37511700	71294400	106827600	48590200
04/27/94	60324200	115606400	59817500	66252700	104679200	158045400	65239400	71212200	43112000	71410200	421057300	79167200	37574500	71452400	106933500	48743800
04/28/94	60601600	115830700	60108200	66499900	104930000	158373600	65626300	71378700	43302200	71716100	421208700	79502900	37622000	71573300	107015900	48854300
04/29/94	60971200	116129900	60491800	66830900	105261600	158810600	66140100	71600500	43554700	72121200	421411300	79950800	37686000	71736100	107127300	49008700
04/30/94	61293400	116389900	60823000	67120900	105548100	159189500	66587800	71792200	43773200	72474100	421581300	80339300	37742200	71877000	107225000	49145000

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

APRIL, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
04/01/94	356000	314600	411200	341700	343600	466200	510900	228500	266774	420800	216700	254377	55200	166400	108500	149400	4610851
04/02/94	235700	208200	275500	226300	228000	310300	338500	151900	175400	280300	140700	153500	36100	110900	74000	119400	3064700
04/03/94	248407	220267	290220	241593	241080	327413	357233	160347	185080	295633	150547	159973	33973	117040	78353	124320	3231479
04/04/94	283893	251733	331680	276107	275520	374187	408267	183253	211520	337867	172053	182827	38827	133760	89547	142080	3693121
04/05/94	287200	254100	335600	281000	280100	378600	414500	185500	214000	341900	171700	186000	19000	134800	88800	143600	3716400
04/06/94	368000	325500	427800	359200	357900	484700	536800	237500	273600	437000	219500	250300	17000	172400	115600	175700	4758500
04/07/94	276100	244600	316500	265000	269400	364900	384700	178500	205400	328800	168200	163500	57300	131100	87200	132100	3573300
04/08/94	220200	195000	254600	208400	216500	290000	309000	142300	163600	261900	134000	125900	54300	103900	69700	105400	2854700
04/09/94	382400	338700	438500	362000	376800	502200	535800	247000	283800	453800	231600	217100	95200	180500	121900	182300	4949600
04/10/94	203400	180100	228100	193800	201400	267600	289700	131700	151500	242000	126700	113000	50600	95800	64800	97100	2637300
04/11/94	336700	299300	378300	322800	333800	446100	479200	219200	252100	403400	219200	187600	83800	158300	106400	164600	4390800
04/12/94	227400	202500	256800	218600	224200	300000	337000	147900	170000	271300	148700	146500	56500	107100	73400	57700	2945600
04/13/94	277100	266000	310000	269300	272900	370900	425700	182500	209500	332600	173300	270100	66300	132600	90400	133600	3782800
04/14/94	357800	339200	402800	349400	350400	475500	546000	234200	270000	422800	211600	342700	84300	169300	115000	200300	4871300
04/15/94	276600	263800	310900	265000	268700	361300	426500	180500	207000	327800	164300	270800	63300	132100	92000	105000	3715600
04/16/94	190400	211000	251600	218600	223600	300700	354700	148000	170300	269100	136200	228400	53400	107800	73300	102800	3039900
04/17/94	233400	269600	318800	289500	284700	383300	451200	189300	216300	340500	167000	291400	69200	137900	95200	133000	3870300
04/18/94	168600	238900	227600	199900	210100	408000	318100	132600	155700	246800	124500	150200	62900	93600	69800	47700	2855000
04/19/94	170400	199500	245500	206200	217000	295100	342700	145100	167100	263000	137300	240200	33500	106300	70600	97900	2937400
04/20/94	226100	261000	322600	270600	279600	382000	448800	189000	216100	340900	177100	316600	51500	137400	92400	133100	3844800
04/21/94	268200	314900	396300	330600	331800	456900	537800	227300	259100	407500	210600	376900	65500	167500	115000	171600	4637500
04/22/94	175000	227300	282100	238800	236800	317700	385700	162700	187700	293700	162900	268800	46200	117300	81500	115000	3299200
04/23/94	316200	291400	366700	306000	313600	427700	494900	210900	243600	382500	202700	358500	57300	150900	91500	145900	4360300
04/24/94	317400	247700	326600	277200	280000	373800	444100	190000	218600	341800	182500	320000	52100	137900	103600	135800	3949100
04/25/94	319600	263800	330500	277100	286300	331000	442000	191000	219200	348400	176700	340000	52900	139500	91500	132900	3942400
04/26/94	204500	172700	210500	177600	184700	243400	277700	121800	139600	222600	113600	157000	36400	88700	60100	89700	2500600
04/27/94	361500	303000	377300	317000	324400	425800	497700	216000	247300	394300	195700	387700	62800	158000	105900	153600	4528000
04/28/94	277400	224300	290700	247200	250800	328200	386900	166500	190200	305900	151400	335700	47500	120900	82400	110500	3516500
04/29/94	369600	299200	383600	331000	331600	437000	513800	221800	252500	405100	202600	447900	64000	162800	111400	154400	4688300
04/30/94	322200	260000	331200	290000	286500	378900	447700	191700	218500	352900	170000	388500	56200	140900	97700	136300	4069200
TOTAL	8257400	7687900	9630100	8157500	8281800	11209400	12643600	5514500	6341074	10072900	5159600	7631977	1623100	4013400	2717500	3892800	112834551

CRA f: data\123\tcaap\bgrsflow\jan_94

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG

APRIL, 1994

	METER READINGS (GALLONS)						VOLUME OF TREATED WATER (GALLONS) AND FLOWRATE (GALLONS PER MINUTE, GPM)											
DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6	METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
3/31/94	1787945000	2143027000	2012810000	2330996000	1822183000	1696032000	-	-	-	-	-	-	-	-	-	-	-	-
04/01/94	1790385000	2145461000	2014411000	2333737000	1824529000	1699077000	2440000	2434000	4874000	2708	1601000	2741000	4342000	2412	2346000	3045000	5391000	2995
04/02/94	1791994000	2147061000	2015477000	2335524000	1826071000	1701084000	1609000	1600000	3209000	2743	1066000	1787000	2853000	2438	1542000	2007000	3549000	3033
04/03/94	1793415684	2148475620	2016362266	2337161899	1827433038	1702864342	1421684	1414620	2836304	2701	885266	1637899	2523165	2403	1362038	1780342	3142380	2993
04/04/94	1795617000	2150666000	2017733000	2339698000	1829542000	1705621000	2201316	2190380	4391696	2662	1370734	2536101	3906835	2368	2108962	2756658	4865620	2949
04/05/94	1797573000	2152611000	2018819000	2342084000	1831415000	1708076000	1956000	1945000	3901000	2709	1086000	2386000	3472000	2411	1873000	2455000	4328000	3006
04/06/94	1800155000	2155184000	2020292000	2345219000	1833892000	1711332000	2582000	2573000	5155000	2772	1473000	3135000	4608000	2477	2477000	3256000	5733000	3082
04/07/94	1801985000	2157005000	2021470000	2347276000	1835648000	1713643000	1830000	1821000	3651000	2646	1178000	2057000	3235000	2344	1756000	2311000	4067000	2947
04/08/94	1803490000	2158501000	2022438000	2348979000	1837095000	1715539000	1505000	1496000	3001000	2565	968000	1703000	2671000	2283	1447000	1896000	3343000	2857
04/09/94	1806117000	2161110000	2024119000	2351973000	1839618000	1718850000	2627000	2609000	5236000	2770	1681000	2994000	4675000	2474	2523000	3311000	5834000	3087
04/10/94	1807511000	2162495000	2025039000	2353537000	1840957000	1720613000	1394000	1385000	2779000	2725	920000	1564000	2484000	2435	1339000	1763000	3102000	3041
04/11/94	1809815000	2164782000	2026520000	2356144000	1843170000	1723528000	2304000	2287000	4591000	2685	1481000	2607000	4088000	2391	2213000	2915000	5128000	2999
04/12/94	1811374000	2166331000	2027406000	2358036000	1844667000	1725507000	1559000	1549000	3108000	2726	886000	1892000	2778000	2437	1497000	1979000	3476000	3049
04/13/94	1813439000	2168287000	2028677000	2360338000	1846591000	1728051000	2065000	1956000	4021000	2792	1271000	2302000	3573000	2481	1924000	2544000	4468000	3103
04/14/94	1816016000	2170803000	2030287000	2363265000	1849040000	1731283000	2577000	2516000	5093000	2783	1610000	2927000	4537000	2479	2449000	3232000	5681000	3104
04/15/94	1818050000	2172753000	2031679000	2365416000	1850954000	1733813000	2034000	1950000	3984000	2887	1392000	2151000	3543000	2567	1914000	2530000	4444000	3220
04/16/94	1819641000	2174333000	2032776000	2367139000	1852483000	1735832000	1591000	1580000	3171000	2782	1097000	1723000	2820000	2474	1529000	2019000	3548000	3112
04/17/94	1821679000	2176374000	2034188000	2369362000	1854448000	1738434000	2038000	2041000	4079000	2775	1412000	2223000	3635000	2473	1965000	2602000	4567000	3107
04/18/94	1824120000	2176969000	2034626000	2371600000	1855872000	1740297000	2441000	595000	3036000	1807	438000	2238000	2676000	1593	1424000	1863000	3287000	1957
04/19/94	1825664000	2178559000	2035675000	2373348000	1857380000	1742290000	1544000	1590000	3134000	2823	1049000	1748000	2797000	2520	1508000	1993000	3501000	3154
04/20/94	1827655000	2180613000	2037028000	2375599000	1859334000	1744871000	1991000	2054000	4045000	2752	1353000	2251000	3604000	2452	1954000	2581000	4535000	3085
04/21/94	1830076000	2183088000	2038718000	2378280000	1861696000	1747986000	2421000	2475000	4896000	2814	1690000	2681000	4371000	2512	2362000	3115000	5477000	3148
04/22/94	1831849000	2184913000	2039932000	2380273000	1863431000	1750272000	1773000	1825000	3598000	2856	1214000	1993000	3207000	2545	1735000	2286000	4021000	3191
04/23/94	1834110000	2187135000	2041429000	2382733000	1865595000	1753138000	2261000	2222000	4483000	2767	1497000	2460000	3957000	2443	2164000	2866000	5030000	3105
04/24/94	1836219000	2189181000	2042860000	2385055000	1867597000	1755797000	2109000	2046000	4155000	2827	1431000	2322000	3753000	2553	2002000	2659000	4661000	3171
04/25/94	1838286000	2191232000	2044198000	2387377000	1869585000	1758437000	2067000	2051000	4118000	2801	1338000	2322000	3660000	2490	1988000	2640000	4628000	3148
04/26/94	1839579000	2192539000	2045050000	2388848000	1870739000	1760097000	1293000	1307000	2600000	2796	852000	1471000	2323000	2498	1154000	1660000	2814000	3026
04/27/94	1842005000	2194889000	2046685000	2391471000	1873139000	1763136000	2426000	2350000	4776000	2843	1635000	2623000	4258000	2535	2400000	3039000	5439000	3238
04/28/94	1843909000	2196693000	2047919000	2393543000	1874926000	1765501000	1904000	1804000	3708000	2874	1234000	2072000	3306000	2563	1787000	2365000	4152000	3219
04/29/94	1846450000	2199102000	2049592000	2396279000	1877314000	1768452000	2541000	2409000	4950000	2845	1673000	2736000	4409000	2534	2388000	2951000	5339000	3068
04/30/94	1848669000	2201214000	2051093000	2398640000	1879402000	1768452000	2219000	2112000	4331000	2887	1501000	2361000	3862000	2575	2088000	0	2088000	1392
TOTALS	60724000	58187000	38283000	67644000	57219000	72420000	60724000	58187000	118911000	2737	38283000	67644000	105927000	2438	57219000	72420000	129639000	2984

NOTE: USE METERS NO. 1 & 2 FOR TRACKING FLOW VOLUMES. METERS NO. 3 & 4 AND 5 & 6 ARE FOR PROCESS CONTROL.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

MAY, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
04/30/94	61293400	116389900	60823000	67120900	105548100	159189500	66587800	71792200	43773200	72474100	421581300	80339300	37742200	71877000	107225000	49145000
05/01/94	61620800	116653700	61160200	67417400	105840700	159575500	67044200	71988200	43995900	72829200	421754100	80736800	37799800	72019900	107323000	49264500
05/02/94	61898200	116876900	61449800	67670300	106084100	159903700	67432500	72155700	44185200	73133700	421896200	81075000	37848600	72140800	107403600	49378000
05/03/94	62145800	117075700	61699400	67893900	106304800	160196700	67766600	72301700	44351300	73398800	422021700	81377200	37892900	72245900	107474100	49483600
05/04/94	62446100	117328000	62000400	68158700	106572900	160551600	68189400	72481800	44556900	73729200	422184900	81742600	37941900	72377700	107560400	49571600
05/05/94	62826000	117642100	62369400	68478500	106896500	160990400	68706000	72696500	44802700	74123200	422299600	81930200	38010700	72540900	107611600	49733900
05/06/94	63152600	117910900	62685500	68766200	107184000	161384600	69169600	72887900	45020000	74474000	422385200	82087000	38069100	72676200	107653900	49867400
05/07/94	63407200	118122800	62940800	68995100	107410100	161687700	69527800	73039800	45191900	74752400	422525500	82389300	38114000	72788100	107687500	49978400
05/08/94	63703100	118371800	63247400	69263900	107677600	162042700	69947900	73217400	45392700	75079900	422689500	82746000	38166400	72918200	107723800	50103800
05/09/94	64014600	118634100	63576500	69547600	107959600	162415200	70388700	73404600	45603800	75422900	422859700	83120200	38222400	73055000	107764000	50230600
05/10/94	64400800	118955300	63978100	69889300	108308700	162882700	70931000	73636400	45867400	75848500	423080200	83582400	38291000	73224900	107824900	50382700
05/11/94	64628600	119129500	64206100	70085500	108513000	163155000	71246400	73772800	46024000	76099300	423213000	83839000	38332900	73325700	107860400	50468500
05/12/94	64936300	119360600	64515900	70351100	108788600	163523600	71680800	73955800	46234800	76438600	423393800	84144700	38390700	73461200	107906800	50600300
05/13/94	65250100	119595600	64837100	70623700	109069500	163899700	72123900	74142500	46449000	76786200	423578400	84459000	38450500	73599100	107956000	50735600
05/14/94	65623400	119874100	65229500	70949400	109402100	164345200	72648800	74364200	46702700	77197700	423792200	84814300	38523700	73763900	108006400	50894900
05/15/94	65919200	120092500	65545200	71212200	109664600	164699900	73064300	74542000	46906000	77527800	423967100	85118500	38582400	73894700	108050900	51022000
05/16/94	66275000	120345400	65873900	71513400	109976200	165110300	73528800	74746400	47143400	77909200	424191600	85509000	38650900	74045800	108103400	51170200
05/17/94	66500000	120522300	66097900	71726700	110194000	165398100	73852600	74894500	47310200	78175300	424334100	85789600	38699500	74152900	108141200	51272500
05/18/94	66896500	120813300	66475900	72074400	110550200	165749900	74390200	75129100	47583000	78610700	424580700	86256200	38782200	74328700	108198600	51442200
05/19/94	67195900	121026100	66775500	72331600	110810400	165773000	74807000	75302700	47781700	78931500	424755400	86609900	38848100	74460388	108237914	51568539
05/20/94	67456400	121216600	67034600	72564100	111048600	166108100	75166800	75460800	47963500	79223400	424916200	86919100	38901700	74574900	108272100	51678400
05/21/94	67842600	121497600	67412500	72909500	111400300	166602800	75692500	75694200	48232100	79653700	425153800	87375600	38982500	74748300	108334500	51852900
05/22/94	68060700	121655900	67626400	73105100	111599300	166882800	75988900	75826300	48384600	79898100	425291200	87635400	39028700	74846400	108368800	51950800
05/23/94	68342300	121859500	67900500	73357400	111854300	167244400	76374700	75996600	48580700	80212700	425469000	87970300	39088600	74973400	108409800	52076100
05/24/94	68711500	122120500	68270900	73675700	112176500	167708400	76538200	76209500	48826400	80592800	425681400	88292900	39171500	75133000	108465600	52227100
05/25/94	68974400	122306800	68536400	73910900	112413000	168050500	76907700	76366500	49006600	80879400	425833000	88519100	39227300	75250000	108505800	52339400
05/26/94	69290200	122530500	68861000	74193600	112696400	168461000	77352000	76555800	49223000	81227600	426014100	88791900	39293900	75390400	108599400	52466800
05/27/94	69620700	122764000	69201200	74489500	112991300	168886100	77810300	76752900	49448300	81589300	426197300	89082800	39363800	75537100	108702000	52611800
05/28/94	69924500	122971600	69514400	74763100	113262200	169282000	78241200	76934200	49656900	81920600	426324100	89359800	39427600	75671100	108797200	52739000
05/29/94	70383500	123268800	69981600	75167100	113673600	169857600	78858200	77200700	49960000	82399200	426495400	89753000	39526600	75875600	108945300	52932000
05/30/94	70635319	123420387	70241626	75393526	113899510	170181884	79214897	77350842	50132335	82674555	426577000	90042394	39578677	75984142	109022874	53037548
05/31/94	70871400	123562500	70485400	75605800	114111300	170485900	79549300	77491600	50293900	82932700	426653500	90313700	39627500	76085900	109095600	53136500

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

MAY, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
05/01/94	327400	263800	337200	296500	292600	386000	456400	196000	222700	355100	172800	397500	57600	142900	98000	119500	4122000
05/02/94	277400	223200	289600	252900	243400	328200	388300	167500	189300	304500	142100	338200	48800	120900	80600	113500	3508400
05/03/94	247600	198800	249600	223600	220700	293000	334100	146000	166100	265100	125500	302200	44300	105100	70500	105600	3097800
05/04/94	300300	252300	301000	264800	268100	354900	422800	180100	205600	330400	163200	365400	49000	131800	86300	88000	3764000
05/05/94	379900	314100	369000	319800	323600	438800	516600	214700	245800	394000	114700	187600	68800	163200	51200	162300	4264100
05/06/94	326600	268800	316100	287700	287500	394200	463600	191400	217300	350800	85600	156800	58400	135300	42300	133500	3715900
05/07/94	254600	211900	255300	228900	226100	303100	358200	151900	171900	278400	140300	302300	44900	111900	33600	111000	3184300
05/08/94	295900	249000	306600	268800	267500	355000	420100	177600	200800	327500	164000	356700	52400	130100	36300	125400	3733700
05/09/94	311500	262300	329100	283700	282000	372500	440800	187200	211100	343000	170200	374200	56000	136800	40200	126800	3927400
05/10/94	386200	321200	401600	341700	349100	467500	542300	231800	263600	425600	220500	462200	68600	169900	60900	152100	4864800
05/11/94	227800	174200	228000	196200	204300	272300	315400	136400	156600	250800	132800	256600	41900	100800	35500	85800	2815400
05/12/94	307700	231100	309800	265600	275600	368600	434400	183000	210800	339300	180800	305700	57800	135500	46400	131800	3783900
05/13/94	313800	235000	321200	272600	280900	376100	443100	186700	214200	347600	184600	314300	59800	137900	49200	135300	3872300
05/14/94	373300	278500	392400	325700	332600	445500	524900	221700	253700	411500	213800	355300	73200	164800	50400	159300	4576600
05/15/94	295800	218400	315700	262800	262500	354700	415500	177800	203300	330100	174900	304200	58700	130800	44500	127100	3676800
05/16/94	355800	252900	328700	301200	311600	410400	464500	204400	237400	381400	224500	390500	68500	151100	52500	148200	4283600
05/17/94	225000	176900	224000	213300	217800	287800	323800	148100	166800	266100	142500	280600	48600	107100	37800	102300	2968500
05/18/94	396500	291000	378000	347700	356200	351800	537600	234600	272800	435400	246600	466600	82700	175800	57400	169700	4800400
05/19/94	299400	212800	299600	257200	260200	23100	416800	173600	198700	320800	174700	353700	65900	131688	39314	126339	3353841
05/20/94	260500	190500	259100	232500	238200	335100	359800	158100	181800	291900	160800	309200	53600	114512	34186	109861	3289659
05/21/94	386200	281000	377900	345400	351700	494700	525700	233400	268600	430300	237600	456500	80800	173400	62400	174500	4880100
05/22/94	218100	158300	213900	195600	199000	280000	296400	132100	152500	244400	137400	259800	46200	98100	34300	97900	2764000
05/23/94	281600	203600	274100	252300	255000	361600	385800	170300	196100	314600	177800	334900	59900	127000	41000	125300	3560900
05/24/94	369200	261000	370400	318300	322200	464000	163500	212900	245700	380100	212400	322600	82900	159600	55800	151000	4091600
05/25/94	262900	186300	265500	235200	236500	342100	369500	157000	180200	286600	151600	226200	55800	117000	40200	112300	3224900
05/26/94	315800	223700	324600	282700	283400	410500	444300	189300	216400	348200	181100	272800	66600	140400	93600	127400	3920800
05/27/94	330500	233500	340200	295900	294900	425100	458300	197100	225300	361700	183200	290900	69900	146700	102600	145000	4100800
05/28/94	303800	207600	313200	273600	270900	395900	430900	181300	208600	331300	126800	277000	63800	134000	95200	127200	3741100
05/29/94	459000	297200	467200	404000	411400	575600	617000	266500	303100	478600	171300	393200	99000	204500	148100	193000	5488700
05/30/94	251819	151587	260026	226426	225910	324284	356697	150142	172335	275355	81600	289394	52077	108542	77574	105548	3109316
05/31/94	236081	142113	243774	212274	211790	304016	334403	140758	161565	258145	76500	271306	48823	101758	72726	98952	2914984
TOTAL	9578000	7172600	9662400	8484900	8563200	11296400	12961500	5699400	6520700	10458600	5072200	9974400	1885300	4208900	1870600	3991500	117400600

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG

MAY, 1994

	METER READINGS (GALLONS)						VOLUME OF TREATED WATER (GALLONS) AND FLOWRATE (GALLONS PER MINUTE, GPM)											
DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6	METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
4/30/94	1848669000	2201214000	2051093000	2398640000	1879402000	1768452000	-	-	-	-	-	-	-	-	-	-	-	-
05/01/94	1850901000	2203343000	2052607000	2401011000	1881506000	1768452000	2232000	2129000	4361000	2850	1514000	2371000	3885000	2539	2104000	0	2104000	1375
05/02/94	1852788000	2205141000	2053852000	2403059000	1883283000	1768452000	1887000	1798000	3685000	2857	1245000	2048000	3293000	2553	1777000	0	1777000	1378
05/03/94	1854403000	2206734000	2054950000	2404817000	1884842000	1768452000	1615000	1593000	3208000	2814	1098000	1758000	2856000	2505	1559000	0	1559000	1368
05/04/94	1856453000	2208697000	2056331000	2407018000	1886762000	1771045000	2050000	1963000	4013000	2730	1381000	2201000	3582000	2437	1920000	2593000	4513000	3070
05/05/94	1858693000	2211134000	2057876000	2409647000	1889008000	1771045000	2240000	2437000	4677000	2735	1545000	2629000	4174000	2441	2246000	0	2246000	1313
05/06/94	1860478000	2213115000	2059148000	2411744000	1890818000	1771045000	1785000	1981000	3766000	2615	1272000	2097000	3369000	2340	1810000	0	1810000	1257
05/07/94	1862200000	2214782000	2060328000	2413581000	1892445000	1771045000	1722000	1667000	3389000	2824	1180000	1837000	3017000	2514	1627000	0	1627000	1356
05/08/94	1864217000	2216707000	2061686000	2415730000	1894336000	1771045000	2017000	1925000	3942000	2857	1358000	2149000	3507000	2541	1891000	0	1891000	1370
05/09/94	1866344000	2218740000	2063145000	2417977000	1896333000	1771045000	2127000	2033000	4160000	2889	1459000	2247000	3706000	2574	1997000	0	1997000	1387
05/10/94	1868934000	2221307000	2064915000	2420810000	1898808000	1771047000	2590000	2567000	5157000	2818	1770000	2833000	4603000	2515	2475000	2000	2477000	1354
05/11/94	1870421000	2222792000	2065941000	2422431000	1900240000	1771047000	1487000	1485000	2972000	2677	1026000	1621000	2647000	2385	1432000	0	1432000	1290
05/12/94	1872419000	2224802000	2067284000	2424669000	1902166000	1771047000	1998000	2010000	4008000	2783	1343000	2238000	3581000	2487	1926000	0	1926000	1338
05/13/94	1874453000	2226847000	2068642000	2426956000	1904126000	1771047000	2034000	2045000	4079000	2833	1358000	2287000	3645000	2531	1960000	0	1960000	1361
05/14/94	1876889000	2229299000	2070228000	2429735000	1906478000	1771047000	2436000	2452000	4888000	2809	1586000	2779000	4365000	2509	2352000	0	2352000	1352
05/15/94	1878826000	2231248000	2071358000	2432087000	1908376000	1771047000	1937000	1949000	3886000	2816	1130000	2352000	3482000	2523	1898000	0	1898000	1375
05/16/94	1881029000	2233473000	2072620000	2434788000	1910529000	1771047000	2203000	2225000	4428000	2785	1262000	2701000	3963000	2492	2153000	0	2153000	1354
05/17/94	1882622000	2235068000	2073603000	2436663000	1912089000	1771047000	1593000	1595000	3188000	2796	983000	1875000	2858000	2507	1560000	0	1560000	1368
05/18/94	1885134000	2237654000	2075196000	2439633000	1914567000	1771047000	2512000	2586000	5098000	2786	1593000	2970000	4563000	2493	2478000	0	2478000	1354
05/19/94	1886784000	2239535000	2076202000	2441784000	1916294000	1771047000	1650000	1881000	3531000	2559	1006000	2151000	3157000	2288	1727000	0	1727000	1251
05/20/94	1888519000	2241255000	2077238000	2443837000	1917980000	1771047000	1735000	1720000	3455000	2879	1036000	2053000	3089000	2574	1686000	0	1686000	1405
05/21/94	1891104000	2243815000	2078797000	2446878000	1920486000	1771047000	2585000	2560000	5145000	2907	1559000	3041000	4600000	2599	2506000	0	2506000	1416
05/22/94	1892566000	2245263000	2079641000	2448633000	1921901000	1771047000	1462000	1448000	2910000	2853	844000	1755000	2599000	2548	1415000	0	1415000	1387
05/23/94	1894457000	2247136000	2080673000	2450976000	1923733000	1771047000	1891000	1873000	3764000	2852	1032000	2343000	3375000	2557	1832000	0	1832000	1388
05/24/94	1896442000	2249436000	2081554000	2453954000	1925822000	1771047000	1985000	2300000	4285000	2597	881000	2978000	3859000	2339	2089000	0	2089000	1266
05/25/94	1898129000	2251143000	2082446000	2456109000	1927475000	1771047000	1687000	1707000	3394000	2759	892000	2155000	3047000	2477	1653000	0	1653000	1344
05/26/94	1900158000	2253195000	2083470000	2458746000	1929465000	1771047000	2029000	2052000	4081000	2776	1024000	2637000	3661000	2490	1990000	0	1990000	1354
05/27/94	1902318000	2255377000	2084565000	2461541000	1931582000	1771047000	2160000	2182000	4342000	2838	1095000	2795000	3890000	2542	2117000	0	2117000	1384
05/28/94	1904372000	2257437000	2085607000	2464180000	1933580000	1771047000	2054000	2060000	4114000	2981	1042000	2639000	3681000	2667	1998000	0	1998000	1448
05/29/94	1907112000	2260209000	2086977000	2467758000	1936262000	1771047000	2740000	2772000	5512000	2663	1370000	3578000	4948000	2390	2682000	0	2682000	1296
05/30/94	1908742968	2261846677	2087773903	2469897355	1937855290	1771047000	1630968	1637677	3268645	2724	796903	2139355	2936258	2447	1593290	0	1593290	1328
05/31/94	1910272000	2263382000	2088521000	2471903000	1939349000	1771047000	1529032	1535323	3064355	2837	747097	2005645	2752742	2549	1493710	0	1493710	1383
TOTALS	61603000	62168000	37428000	73263000	59947000	2595000	61603000	62168000	123771000	2803	37428000	73263000	110691000	2507	59947000	2595000	62542000	1416

Note: Use Meters #1 & #2 for tracking total system flow volume. Meters #3 & #4 and #5 & #6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

JUNE, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
05/31/94	70871400	123562500	70485400	75605800	114111300	170485900	79549300	77491600	50293900	82932700	426653500	90313700	39627500	76085900	109095600	53136500
06/01/94	71186300	123766000	70803800	75880400	114388200	170886100	79985700	77674900	50502900	83268300	426744200	90591300	39694500	76222400	109194000	53267200
06/02/94	71486300	123959300	71100500	76142800	114650500	171267600	80402000	77849600	50701600	83587100	426860200	90859300	39758600	76352900	109284100	53391600
06/03/94	71800200	124157600	71426000	76420300	114931300	171650600	80839900	78022400	50909900	83921700	427011300	91142400	39825900	76489600	109342200	53515200
06/04/94	72113400	124338500	71743300	76692900	115204800	172018400	81262000	78213400	51112700	84244200	427170500	91415500	39893900	76628000	51452900	53650800
06/05/94	72486500	124527700	72131600	77021700	115542000	172468200	81782000	78432100	51361700	84642800	427370800	91755000	39974600	76790200	51518200	53814100
06/06/94	72761900	124695400	72414700	77269800	115799800	172810300	82182100	78599300	51554600	84949500	427529200	92015900	40033600	76908900	51565400	53928100
06/07/94	73095900	124912800	72757200	77564100	116100700	173211400	82646200	78796700	51779400	85305800	427715400	92319900	40104100	77053700	51623500	54068300
06/08/94	73316000	125065700	72982300	77753500	116298700	173490900	82956100	78928400	51930800	85543700	427846000	92535400	40131800	77152200	51662000	54162200
06/09/94	73647700	125296700	73321500	78040800	116595300	173914900	83423600	79126500	52158000	85900900	428035400	92863500	40178800	77300000	51719300	54302100
06/10/94	73933900	125521400	73619900	78293300	116824600	174283500	83829300	79298100	52355600	86211800	428202500	93066200	40222500	77428500	51769300	54423400
06/11/94	74355800	125848700	74059100	78668700	117240200	174821000	84425200	79551000	52645200	86669400	428447000	93366400	40296200	77618000	51842800	54610800
06/12/94	74673000	126071500	74341300	78925700	117500800	175188500	84830600	79722900	52841600	86981000	428612300	93570900	40348100	77746700	51893000	54736300
06/13/94	74856200	126231600	74559200	79115200	117693800	175451200	85133800	79850800	52987200	87213200	428737500	93723700	40387400	77842500	51930500	54829700
06/14/94	75168800	126463400	74884000	79390900	117978100	175826000	85572900	80037600	53197600	87547900	428916100	93941500	40445800	77982700	51985500	54968300
06/15/94	75505800	126713100	75231700	79689900	118284700	176231400	86048500	80238500	53425000	87912900	429103200	94179200	9392100	78133200	52045200	735800
06/16/94	75748300	126915700	75466600	79910700	118498600	176534300	86372300	80378700	53586200	88166500	429213700	94337400	9435900	78237900	52090400	809700
06/17/94	75997500	127090000	75710400	80134600	118723900	176845300	86726100	80523900	53753500	88430100	429313400	94369000	9472300	78339400	52137100	878900
06/18/94	76340000	127352200	76040500	80440200	119025500	177246800	87188500	80717700	53975500	88776900	429461500	94409900	9527400	78489400	52182900	976900
06/19/94	76724700	127637100	76399600	80780600	119360300	177721500	87715300	80935900	54226800	89171000	429570000	94452200	9587900	78652500	52254200	1085600
06/20/94	76989500	127835100	76659800	81021400	119596700	178055200	88096900	81091100	54405700	89453300	429661100	94482500	9630700	78764900	52304000	1157900
06/21/94	77289900	128060400	76953500	81299200	119873000	178426400	88504100	81269000	54610600	89773500	429768300	40735100	9678700	78898000	52356700	1250500
06/22/94	77618600	128305800	77258100	81600700	120179000	178838800	88933900	81464000	54835600	90126200	429915200	41056600	9731100	79044100	52414400	1357500
06/23/94	77922200	128533700	77540800	81880500	120468400	179222300	89301300	81637900	55044000	90457000	430085700	41328300	9779400	79171700	52466200	1496700
06/24/94	78200800	128741700	77806500	82136400	120734900	179558300	89642300	81799100	55235300	94781800	430230700	41578000	9823800	79289800	52513800	1624500
06/25/94	78513300	128974900	78098800	82307800	121030100	179939900	90022500	81980500	55449900	95121600	430389100	41854500	9874200	79425200	52569900	1761300
06/26/94	78952800	129298500	78499000	82824700	121451000	180468100	90571800	82237100	55750700	95602900	430621400	42252600	9944700	79613200	52643500	1965400
06/27/94	79160700	129451200	78709000	83012200	121643900	180717300	90862000	82361000	55892800	95841400	430733400	42372700	9978100	79706300	52679600	2059000
06/28/94	79472700	129679200	79023800	83291400	121932200	181077200	91296700	82546500	56103700	96198600	430895900	42550400	10028800	79845700	52734300	2197800
06/29/94	79792300	129912300	79345300	83579500	122226400	181447000	91742300	82736000	56318600	96565700	431052900	42732000	10081000	79987300	52790100	2338700
06/30/94	80080100	130125300	79636300	83837500	122484900	181797100	92141200	82906700	56515200	96896600	431194200	42885500	10125500	80116300	52840500	2468800

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

JUNE, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
06/01/94	314900	203500	318400	274600	276900	400200	436400	183300	209000	335600	90700	277600	67000	136500	98400	130700	3753700
06/02/94	300000	193300	296700	262400	262300	381500	416300	174700	198700	318800	116000	268000	64100	130500	90100	124400	3597800
06/03/94	313900	198300	325500	277500	280800	383000	437900	172800	208300	334600	151100	283100	67300	136700	58100	123600	3752500
06/04/94	313200	180900	317300	272600	273500	367800	422100	191000	202800	322500	159200	273100	68000	138400	57000	135600	3695000
06/05/94	373100	189200	388300	328800	337200	449800	520000	218700	249000	398600	200300	339500	80700	162200	65300	163300	4464000
06/06/94	275400	167700	283100	248100	257800	342100	400100	167200	192900	306700	158400	260900	59000	118700	47200	114000	3399300
06/07/94	334000	217400	342500	294300	300900	401100	464100	197400	224800	356300	186200	304000	70500	144800	58100	140200	4036600
06/08/94	220100	152900	225100	189400	198000	279500	309900	131700	151400	237900	130600	215500	27700	98500	38500	93900	2700600
06/09/94	331700	231000	339200	287300	296600	424000	467500	198100	227200	357200	189400	328100	47000	147800	57300	139900	4069300
06/10/94	286200	224700	298400	252500	229300	368600	405700	171600	197600	310900	167100	202700	43700	128500	50000	121300	3458800
06/11/94	421900	327300	439200	375400	415600	537500	595900	252900	289600	457600	244500	300200	73700	189500	73500	187400	5181700
06/12/94	317200	222800	282200	257000	260600	367500	405400	171900	196400	311600	165300	204500	51900	128700	50200	125500	3518700
06/13/94	183200	160100	217900	189500	193000	262700	303200	127900	145600	232200	125200	152800	39300	95800	37500	93400	2559300
06/14/94	312600	231800	324800	275700	284300	374800	439100	186800	210400	334700	178600	217800	58400	140200	55000	138600	3763600
06/15/94	337000	249700	347700	299000	306600	405400	475600	200900	227400	365000	187100	237700	50600	150500	59700	88300	3988200
06/16/94	242500	202600	234900	220800	213900	302900	323800	140200	161200	253600	110500	158200	43800	104700	45200	73900	2832700
06/17/94	249200	174300	243800	223900	225300	311000	353800	145200	167300	263600	99700	31600	36400	101500	46700	69200	2742500
06/18/94	342500	262200	330100	305600	301600	401500	462400	193800	222000	346800	148100	40900	55100	150000	45800	98000	3706400
06/19/94	384700	284900	359100	340400	334800	474700	526800	218200	251300	394100	108500	42300	60500	163100	71300	108700	4123400
06/20/94	264800	198000	260200	240800	236400	333700	381600	155200	178900	282300	91100	30300	42800	112400	49800	72300	2930600
06/21/94	300400	225300	293700	277800	276300	371200	407200	177900	204900	320200	107200	285600	48000	133100	52700	92600	3574100
06/22/94	328700	245400	304600	301500	306000	412400	429800	195000	225000	352700	146900	321500	52400	146100	57700	107000	3932700
06/23/94	303600	227900	282700	279800	289400	383500	367400	173900	208400	330800	170500	271700	48300	127600	51800	139200	3656500
06/24/94	278600	208000	265700	255900	266500	336000	341000	161200	191300	299100	145000	249700	44400	118100	47600	127800	3335900
06/25/94	312500	233200	292300	171400	295200	381600	380200	181400	214600	339800	158400	276500	50400	135400	56100	136800	3615800
06/26/94	439500	323600	400200	516900	420900	528200	549300	256600	300800	481300	232300	398100	70500	188000	73600	204100	5383900
06/27/94	207900	152700	210000	187500	192900	249200	290200	123900	142100	238500	112000	120100	33400	93100	36100	93600	2483200
06/28/94	312000	228000	314800	279200	288300	359900	434700	185500	210900	357200	162500	177700	50700	139400	54700	138800	3694300
06/29/94	319600	233100	321500	288100	294200	369800	445600	189500	214900	367100	157000	181600	52200	141600	55800	140900	3772500
06/30/94	287800	213000	291000	258000	258500	350100	398900	170700	196600	330900	141300	153500	44500	129000	50400	130100	3404300
TOTAL	9208700	6562800	9150900	8231700	8373600	11311200	12591900	5415100	6221300	9938200	4540700	6604800	1602300	4030400	1691200	3653100	109127900

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG

JUNE, 1994

	METER READINGS (GALLONS)						VOLUME OF TREATED WATER (GALLONS) AND FLOWRATE (GALLONS PER MINUTE, GPM)											
DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6	METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
05/31/94	1910272000	2263382000	2088521000	2471903000	1939349000	1771047000	-	-	-	-	-	-	-	-	-	-	-	-
06/01/94	1912232000	2265380000	2089512000	2474454000	1941268000	1771047000	1960000	1998000	3958000	2749	991000	2551000	3542000	2460	1919000	0	1919000	1333
06/02/94	1914086000	2267277000	2090424000	2476922000	1943096000	1771047000	1854000	1897000	3751000	2779	912000	2468000	3380000	2504	1828000	0	1828000	1354
06/03/94	1916051000	2269281000	2091346000	2479566000	1945029000	1771047000	1965000	2004000	3969000	2756	922000	2644000	3566000	2476	1933000	0	1933000	1342
06/04/94	1918077000	2271346000	2092322000	2482260000	1947024000	1771047000	2026000	2065000	4091000	2901	976000	2694000	3670000	2603	1995000	0	1995000	1415
06/05/94	1920411000	2273730000	2093458000	2485367000	1949323000	1771047000	2334000	2384000	4718000	2759	1136000	3107000	4243000	2481	2299000	0	2299000	1344
06/06/94	1922117000	2275442000	2094280000	2487616000	1950984000	1771047000	1706000	1712000	3418000	2650	822000	2249000	3071000	2381	1661000	0	1661000	1288
06/07/94	1924235000	2277591000	2095370000	2490359000	1953061000	1771048000	2118000	2149000	4267000	2411	1090000	2743000	3833000	2166	2077000	1000	2078000	1174
06/08/94	1925707000	2279004000	2096435000	2491866000	1954461000	1771048000	1472000	1413000	2885000	2828	1065000	1507000	2572000	2522	1400000	0	1400000	1373
06/09/94	1927919000	2281122000	2097994000	2494161000	1956570000	1771048000	2212000	2118000	4330000	2673	1559000	2295000	3854000	2379	2109000	0	2109000	1302
06/10/94	1929806000	2282950000	2099367000	2496097000	1958374000	1771048000	1887000	1828000	3715000	2752	1373000	1936000	3309000	2451	1804000	0	1804000	1336
06/11/94	1932594000	2285633000	2101382000	2498958000	1961036000	1771048000	2788000	2683000	5471000	2806	2015000	2861000	4876000	2501	2662000	0	2662000	1365
06/12/94	1934527000	2287425000	2102752000	2500905000	1962844000	1771048000	1933000	1792000	3725000	2822	1370000	1947000	3317000	2513	1808000	0	1808000	1370
06/13/94	1935945000	2288753000	2103780000	2502323000	1964180000	1771048000	1418000	1328000	2746000	2774	1028000	1418000	2446000	2471	1336000	0	1336000	1349
06/14/94	1938004000	2290688000	2105268000	2504390000	1966119000	1771048000	2059000	1935000	3994000	2774	1488000	2067000	3555000	2469	1939000	0	1939000	1347
06/15/94	1940221000	2292775000	2106867000	2506636000	1968208000	1771048000	2217000	2087000	4304000	2759	1599000	2246000	3845000	2465	2089000	0	2089000	1339
06/16/94	1941510000	2294591000	2107761000	2508535000	1969727000	1771048000	1289000	1816000	3105000	1990	894000	1899000	2793000	1790	1519000	0	1519000	974
06/17/94	1942904000	2296107000	2108803000	2510094000	1971115000	1771049000	1394000	1516000	2910000	2487	1042000	1559000	2601000	2223	1388000	1000	1389000	1187
06/18/94	1944848000	2298297000	2110380000	2512214000	1973110000	1771049000	1944000	2190000	4134000	2702	1577000	2120000	3697000	2416	1995000	0	1995000	1304
06/19/94	1946972000	2300599000	2112084000	2514465000	1975227000	1771049000	2124000	2302000	4426000	2544	1704000	2251000	3955000	2273	2117000	0	2117000	1217
06/20/94	1948402000	2302167000	2113183000	2516046000	1976666000	1771049000	1430000	1568000	2998000	2498	1099000	1581000	2680000	2233	1439000	0	1439000	1199
06/21/94	1950337000	2304075000	2114592000	2518066000	1978517000	1771049000	1935000	1908000	3843000	2785	1409000	2020000	3429000	2485	1851000	0	1851000	1341
06/22/94	1952499000	2306191000	2116163000	2520315000	1980569000	1771049000	2162000	2116000	4278000	2852	1571000	2249000	3820000	2547	2052000	0	2052000	1368
06/23/94	1954485000	2308136000	2117614000	2522371000	1982456000	1771049000	1986000	1945000	3931000	2788	1451000	2056000	3507000	2487	1887000	0	1887000	1338
06/24/94	1956326000	2309938000	2118964000	2524268000	1984204000	1771049000	1841000	1802000	3643000	2824	1350000	1897000	3247000	2517	1748000	0	1748000	1355
06/25/94	1958342000	2311810000	2120404000	2526284000	1986076000	1771049000	2016000	1872000	3888000	2700	1440000	2016000	3456000	2400	1872000	0	1872000	1300
06/26/94	1961264000	2314769000	2122539000	2529417000	1988895000	1771049000	2922000	2959000	5881000	2883	2135000	3133000	5268000	2582	2819000	0	2819000	1382
06/27/94	1962624000	2316099000	2123538000	2530819000	1990186000	1771049000	1360000	1330000	2690000	2802	999000	1402000	2401000	2501	1291000	0	1291000	1345
06/28/94	1964684000	2318087000	2125045000	2532921000	1992123000	1771049000	2060000	1988000	4048000	2811	1507000	2102000	3609000	2506	1937000	0	1937000	1345
06/29/94	1966704000	2320093000	2126574000	2534985000	1994065000	1771049000	2020000	2006000	4026000	2739	1529000	2064000	3593000	2444	1942000	0	1942000	1321
06/30/94	1968645000	2321888000	2128132000	2536750000	1995858000	1771049000	1941000	1795000	3736000	2830	1558000	1765000	3323000	2517	1793000	0	1793000	1358
TOTALS	58373000	58506000	39611000	64847000	56509000	2000	58373000	58506000	116879000	2738	39611000	64847000	104458000	2447	56509000	2000	56511000	1324

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

JULY, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
06/30/94	80080100	130125300	79636300	83837500	122484900	181797100	92141200	82906700	56515200	96896600	431194200	42885500	10125500	80116300	52840500	2468800
07/01/94	80412800	130371300	79971900	84135500	122781100	182203400	92603700	83103500	56740800	97278900	431351900	43062200	10177900	80264700	52899000	2616100
07/02/94	80757000	130625800	80293200	84445300	55252200	182609900	93024900	83296200	90664200	97646800	431524300	43343800	10233300	80416100	52959200	2772900
07/03/94	80854100	130847400	80560400	84717200	55531200	182970500	93391700	83467800	90867500	97971200	431674700	43622800	10282500	80544400	53010500	2908100
07/04/94	81265350	131077700	80852050	85002750	55781350	183348100	93858800	83646700	91079450	98366950	431831500	43971150	10347300	80698450	53076400	3068100
07/05/94	81676600	131308000	81143700	85288300	56031500	183725700	94325900	83825600	91291400	98762700	431988300	44319500	10412100	80852500	53142300	3228100
07/06/94	81918900	131487400	81363700	85510100	56249500	184022900	94620600	83962700	91455300	99020700	432107100	44549600	10454200	80955600	53183700	3340100
07/07/94	82177900	131677000	81589400	85745000	56478800	184337700	94951800	84113700	91630800	99308400	432233800	44787300	10499000	81071000	53224500	3459100
07/08/94	82491400	131905600	81868100	86029600	56757200	184712600	95353800	84297400	91842500	99656800	432391400	45082300	10553400	81212200	53277600	3602500
07/09/94	82965400	132249800	82283800	86461800	57182400	185285900	95937000	84573600	92163500	100177200	432633700	45538500	10637300	81423300	53358000	3819400
07/10/94	83263700	132461700	82564600	86729300	57443100	185638900	96318200	84745900	92361700	100530000	432718100	45823700	10692300	81558800	53408900	3956900
07/11/94	83456500	132598400	82758300	86905900	57610000	185876100	96581600	84857500	92490600	100717800	432728900	46008000	10726000	81641700	53437700	4041000
07/12/94	83538700	132657700	82828700	86977500	57679400	185969500	96677300	84903500	92543200	100803000	432771100	46083400	10741600	81678900	53451100	4079300
07/13/94	83538700	132657700	22813700	56762300	57679400	185969500	96677300	84903500	92543200	100803000	432771100	46083400	10741600	81678900	53451100	4079300
07/14/94	83538700	132657700	22813700	56762300	57679400	185969500	96677300	84903500	92543200	100803000	432771100	46083400	10741600	81678900	53451100	4079300
07/15/94	83538700	132657700	22813700	56762300	57679400	185969500	96677300	84903500	92543200	100803000	432771100	46083400	10741600	81678900	53451100	4079300
07/16/94	83538700	132657700	22813700	56762300	57679400	185969500	96677300	84903500	92543200	100803000	432771100	46083400	10741600	81678900	53451100	4079300
07/17/94	83538700	132657700	22813700	56762300	57679400	185969500	96677300	84903500	92543200	100803000	432771100	46083400	10741600	81678900	53451100	4079300
07/18/94	83538700	132657700	22813700	56762300	57679400	185969500	96677300	84903500	92543200	100803000	432771100	46083400	10741600	81678900	53451100	4079300
07/19/94	86977600	132657700	22813700	56762300	57679400	185969500	96677300	84903500	92543200	100803000	82828700	46083400	10741600	81678900	53451100	4079300
07/20/94	86977600	132657700	22813700	56762300	57679400	185969500	96677300	84903500	92543200	100803000	82828700	46083400	10741600	81678900	53451100	4079300
07/21/94	87286000	132862400	23077100	57043200	57940100	186318500	97039000	85067400	92735900	101112400	82955900	46353600	10778500	81800700	53490100	4206700
07/22/94	87691900	133133800	23429400	57418900	58283100	186778500	97503800	85286000	92988100	101499500	83166100	46714600	10835400	81964500	53550400	4380100
07/23/94	87966500	133316500	23659500	57670200	58514000	187089800	97802900	85424100	93157100	101762100	83300900	46958600	10879200	82071600	53590600	4497100
07/24/94	88340600	133565200	23967700	58012700	58829100	187513600	98213200	85618600	93388800	102122500	83481100	47293300	10938200	82217900	53645500	4655500
07/25/94	88645000	133766700	24220100	58290900	59084700	187857000	98551600	85778700	93577500	102418100	83624200	47666000	10988500	82338600	53690200	4784300
07/26/94	88979500	133988000	24495000	58596600	59365200	188234200	98926800	85956100	93786100	102744400	83781600	47864100	11043300	82472200	53739300	4925700
07/27/94	89346500	134229400	24784100	58931900	59671600	188650300	99356100	86154800	94014700	103115800	83962200	48155900	11104200	82624800	53793400	5080300
07/28/94	89674300	134443800	25087100	59231400	59935700	189029600	99772600	86334700	94220900	103451600	84128100	48398800	11157000	82762400	53840200	5218300
07/29/94	90000500	134659100	25345200	59530700	60179800	189368900	100105400	86486600	94396900	103736100	84267600	48631700	11211400	82877100	53882700	5344300
07/30/94	90348700	134885600	25654400	59811800	60457200	189753700	100517000	86678200	94605400	104073500	84422600	48895200	11266400	83021000	53933300	5492900
07/31/94	90698900	135112900	25971500	60106200	60750600	190151500	100956200	86878100	94822000	104426600	84594600	49167700	11322100	83167000	53983000	5643100

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

JULY, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
07/01/94	332700	246000	335600	298000	296200	406300	462500	196800	225600	382300	157700	176700	52400	148400	58500	147300	3923000
07/02/94	344200	254500	321300	309800	309100	406500	421200	192700	226700	367900	172400	281600	55400	151400	60200	156800	4031700
07/03/94	97100	221600	267200	271900	279000	360600	366800	171600	203300	324400	150400	279000	49200	128300	51300	135200	3356900
07/04/94	411250	230300	291650	285550	250150	377600	467100	178900	211950	395750	156800	348350	64800	154050	65900	160000	4050100
07/05/94	411250	230300	291650	285550	250150	377600	467100	178900	211950	395750	156800	348350	64800	154050	65900	160000	4050100
07/06/94	242300	179400	220000	221800	218000	297200	294700	137100	163900	258000	118800	230100	42100	103100	41400	112000	2879900
07/07/94	259000	189600	225700	234900	229300	314800	331200	151000	175500	287700	126700	237700	44800	115400	40800	119000	3083100
07/08/94	313500	228600	278700	284600	278400	374900	402000	183700	211700	348400	157600	295000	54400	141200	53100	143400	3749200
07/09/94	474000	344200	415700	432200	425200	573300	583200	276200	321000	520400	242300	456200	83900	211100	80400	216900	5656200
07/10/94	298300	211900	280800	267500	260700	353000	381200	172300	198200	352800	84400	285200	55000	135500	50900	137500	3525200
07/11/94	192800	136700	193700	176600	166900	237200	263400	111600	128900	187800	10800	184300	33700	82900	28800	84100	2220200
07/12/94	82200	59300	70400	71600	69400	93400	95700	46000	52600	85200	42200	75400	15600	37200	13400	38300	947900
07/13/94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/14/94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/15/94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/16/94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/17/94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/18/94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/19/94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/20/94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/21/94	308400	204700	263400	280900	260700	349000	361700	163900	192700	309400	127200	270200	36900	121800	39000	127400	3417300
07/22/94	405900	271400	352300	375700	343000	460000	464800	218600	252200	387100	210200	361000	56900	163800	60300	173400	4556600
07/23/94	274600	182700	230100	251300	230900	311300	299100	138100	169000	262600	134800	244000	43800	107100	40200	117000	3036600
07/24/94	374100	248700	308200	342500	315100	423800	410300	194500	231700	360400	180200	334700	59000	146300	54900	158400	4142800
07/25/94	304400	201500	252400	278200	255600	343400	338400	160100	188700	295600	143100	372700	50300	120700	44700	128800	3478600
07/26/94	334500	221300	274900	305700	280500	377200	375200	177400	208600	326300	157400	198100	54800	133600	49100	141400	3616000
07/27/94	367000	241400	289100	335300	306400	416100	429300	198700	228600	371400	180600	291800	60900	152600	54100	154600	4077900
07/28/94	327800	214400	303000	299500	264100	379300	416500	179900	206200	335800	165900	242900	52800	137600	46800	138000	3710500
07/29/94	326200	215300	258100	299300	244100	339300	332800	151900	176000	284500	139500	232900	54400	114700	42500	126000	3337500
07/30/94	348200	226500	309200	281100	277400	384800	411600	191600	208500	337400	155000	263500	55000	143900	50600	148600	3792900
07/31/94	350200	227300	317100	294400	293400	397800	439200	199900	216600	353100	172000	272500	55700	146000	49700	150200	3935100
TOTAL	7179900	4987600	6350200	6483900	6103700	8354400	8815000	3971400	4610100	7530000	3342800	6282200	1196600	3050700	1142500	3174300	82575300

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG

JULY, 1994

	METER READINGS (GALLONS)						VOLUME OF TREATED WATER (GALLONS) AND FLOWRATE (GALLONS PER MINUTE, GPM)											
DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6	METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
6/30/94	1968945000	2321888000	2128132000	2536750000	1995858000	1771049000	-	-	-	-	-	-	-	-	-	-	-	-
07/01/94	1970871000	2323942000	2129918000	2538765000	1997909000	1771049000	1926000	2054000	3980000	2601	1786000	2015000	3801000	2484	2051000	0	2051000	1341
07/02/94	1973260000	2326135000	2131832000	2540928000	2000114000	1771049000	2389000	2193000	4582000	2909	1914000	2163000	4077000	2589	2205000	0	2205000	1400
07/03/94	1975294000	2327971000	2133435000	2542749000	2001961000	1771049000	2034000	1836000	3870000	2633	1603000	1821000	3424000	2329	1847000	0	1847000	1256
07/04/94	1977423000	2330058500	2135200500	2544734000	2003983000	1771049000	2129000	2087500	4216500	2928	1765500	1985000	3750500	2605	2022000	0	2022000	1404
07/05/94	1979552000	2332146000	2136966000	2546719000	2006005000	1771049000	2129000	2087500	4216500	2382	1765500	1985000	3750500	2119	2022000	0	2022000	1142
07/06/94	1981198000	2333634000	2138245000	2548218000	2007513000	1771049000	1646000	1488000	3134000	2823	1279000	1499000	2778000	2503	1508000	0	1508000	1359
07/07/94	1982951000	2335231000	2139616000	2549823000	2009134000	1771049000	1753000	1597000	3350000	2792	1371000	1605000	2976000	2480	1621000	0	1621000	1351
07/08/94	1985084000	2337181000	2141268000	2551795000	2011126000	1771049000	2133000	1950000	4083000	2835	1652000	1972000	3624000	2517	1992000	0	1992000	1383
07/09/94	1988323000	2340143000	2143809000	2554763000	2014153000	1771049000	3239000	2962000	6201000	2793	2541000	2968000	5509000	2482	3027000	0	3027000	1364
07/10/94	1990318000	2341967000	2145383000	2556586000	2016012000	1771049000	1995000	1824000	3819000	2829	1574000	1823000	3397000	2516	1859000	0	1859000	1377
07/11/94	1991604000	2343142000	2146401000	2557753000	2017216000	1771049000	1286000	1175000	2461000	2829	1018000	1167000	2185000	2511	1204000	0	1204000	1384
07/12/94	1992187000	2343676000	2146868000	2558290000	2017766000	1771049000	583000	534000	1117000	2864	467000	537000	1004000	2574	550000	0	550000	1410
07/13/94	1992187000	2343676000	2146868000	2558290000	2017766000	1771049000	0	0	0	0	0	0	0	0	0	0	0	0
07/14/94	1992187000	2343676000	2146868000	2558290000	2017766000	1771049000	0	0	0	0	0	0	0	0	0	0	0	0
07/15/94	1992187000	2343676000	2146868000	2558290000	2017766000	1771049000	0	0	0	0	0	0	0	0	0	0	0	0
07/16/94	1992187000	2343676000	2146868000	2558290000	2017766000	1771049000	0	0	0	0	0	0	0	0	0	0	0	0
07/17/94	1992187000	2343676000	2146868000	2558290000	2017766000	1771049000	0	0	0	0	0	0	0	0	0	0	0	0
07/18/94	1992187000	2343676000	2146868000	2558290000	2017766000	1771049000	0	0	0	0	0	0	0	0	0	0	0	0
07/19/94	1992187000	2343676000	2146868000	2558290000	2017766000	1771049000	0	0	0	0	0	0	0	0	0	0	0	0
07/20/94	1992187000	2343676000	2146868000	2558290000	2017766000	1771049000	0	0	0	0	0	0	0	0	0	0	0	0
07/21/94	1994050000	2345390000	2148293000	2560035000	2019518000	1773710000	1863000	1714000	3577000	2773	1425000	1745000	3170000	2457	1752000	2661000	4413000	3421
07/22/94	1996633000	2347771000	2150333000	2562411000	2021955000	1777533000	2583000	2381000	4964000	2853	2040000	2376000	4416000	2538	2437000	3823000	6260000	3598
07/23/94	1998365000	2349371000	2151680000	2564035000	2023716000	1779888000	1732000	1600000	3332000	2848	1347000	1624000	2971000	2539	1761000	2355000	4116000	3518
07/24/94	2000703000	2351523000	2153519000	2566186000	2026092000	1783083000	2338000	2152000	4490000	2824	1839000	2151000	3990000	2509	2376000	3195000	5571000	3504
07/25/94	2002609000	2353284000	2154994000	2567963000	2028033000	1785714000	1906000	1761000	3667000	2843	1475000	1777000	3252000	2521	1941000	2631000	4572000	3544
07/26/94	2004701000	2355217000	2156648000	2569893000	2030163000	1788613000	2092000	1933000	4025000	2855	1654000	1930000	3584000	2542	2130000	2899000	5029000	3567
07/27/94	2007000000	2357340000	2158459000	2572012000	2032507000	1791807000	2299000	2123000	4422000	2835	1811000	2119000	3930000	2519	2344000	3194000	5538000	3550
07/28/94	2009069000	2359304000	2160078000	2573980000	2034631000	1794710000	2069000	1964000	4033000	2860	1619000	1968000	3587000	2544	2124000	2903000	5027000	3565
07/29/94	2010772000	2361208000	2161644000	2575616000	2036547000	1797334000	1703000	1904000	3607000	2672	1566000	1636000	3202000	2372	1916000	2624000	4540000	3363
07/30/94	2012958000	2363320000	2163295000	2577780000	2038811000	1800438000	2186000	2112000	4298000	2809	1651000	2164000	3815000	2493	2264000	3104000	5368000	3508
07/31/94	2015112000	2365445000	2165028000	2579856000	2041081000	1803552000	2154000	2125000	4279000	2816	1733000	2076000	3809000	2506	2270000	3114000	5384000	3543
TOTALS	46167000	43557000	36896000	43106000	45223000	32503000	46167000	43557000	89724000	2879	36896000	43106000	80002000	2567	45223000	32503000	77726000	2494

CRA 55//SSM//BGRSELOW//FY94//JULY94

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
AUGUST, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
07/31/94	90698900	135112900	25971500X	60106200X	60750600X	190151500	100956200	86878100X	94822000	104426600	84594600X	49167700	11322100	83167000	53983000	5643100
08/01/94	91051900	135338500	26289600	60403100	61043700	190562300	101406800	87081400	95043700	104790600	84768500	49457500	11375600	83309400	54033200	5791600
08/02/94	91334200	135518300	26554700	60644500	61275900	190883700	101768300	87245400	95221100	105080000	84920500	49689100	11420100	83429300	54073300	5912200
08/03/94	91638000	135712400	26824600	60898400	61526300	191219000	102136400	87415900	95405400	105379900	85077900	49925800	11467800	83552800	54116600	6042400
08/04/94	92038200	135926700	27190900	61231700	61848800	191671200	102643100	87646300	95653500	105786100	85292500	50254800	11523000	83720600	54173900	6210400
08/05/94	92295200	136067000	27425300	61446600	62068100	191962000	102968200	87793800	95812200	106046000	85429200	50460100	11563300	83827900	54210000	6318300
08/06/94	92804800	136167700	27884000	61865500	62469500	192529400	103602200	88077300	96116800	106555000	85692100	50857200	11645500	84036300	54286000	6528200
08/07/94	93067900	136207300	28209800	62162400	62754400	192932300	104055600	88279500	96333500	106919900	85869000	51135400	11707200	84183600	54341100	6677800
08/08/94	93331000	136232200	28355400	62293500	62881000	193101700	104254000	88368700	96429100	107079500	85951800	51257300	11734600	84248600	54365300	6743900
08/09/94	93728500	136341600	28707300	62614500	63194000	193523400	104742900	88588700	96663800	107473600	86154000	51562000	11803200	84414900	54424100	6911800
08/10/94	94014700	136470100	28960500	62852200	63427100	193840700	105102100	88753800	96839700	107762000	86303700	51789400	11850400	84534300	54465100	7031600
08/11/94	94395600	136624500	29304500	63167400	63745300	194271400	105590900	88969800	97075600	108153900	86498500	52095500	11913000	84689300	54519600	7187900
08/12/94	94658900	136731500	29540900	63384400	63957900	194560600	105920900	89118900	97235900	108419500	86625000	52302900	11957800	84797700	54557900	7295900
08/13/94	95058800	136871700	29884400	63696700	64265400	194986100	106393600	89334500	97466000	108801900	86806500	52595000	12026300	84958800	54616200	7457600
08/14/94	95387300	136992600	30183700	63970900	64538700	195357100	106812200	89523600	97668100	109139800	86958500	52851300	12085100	85096400	54666000	7595200
08/15/94	95699800	137116000	30467100	64227600	64796300	195714900	107216500	89703600	97863200	109465100	87108100	53103900	12129800	85222600	54711300	7724100
08/16/94	96099500	137261000	30830100	64558900	65130200	196160200	107715500	89929300	98105200	109866900	87291300	53413800	12188300	85386400	54769700	7889700
08/17/94	96389600	137415700	31086400	64794000	65364800	196480200	108068500	90091900	98278200	110152000	87432000	53632600	12231800	85507800	54812200	8012600
08/18/94	96717200	137610300	31377700	65062500	65631900	196850300	108480600	90277700	98477300	110483300	87585300	53882600	12281100	85642400	54859600	8149000
08/19/94	97106900	137853900	31736900	65383600	65959600	197299200	108883700	90503400	98721600	110885600	87781000	54199500	12336100	85802700	54913500	8315000
08/20/94	97440000	138067800	32031500	65655800	66232500	197668200	109402600	90693800	98926900	111220600	87939400	54465900	12382400	85941900	54960400	8455200
08/21/94	97752100	138267800	32304100	65910100	66486200	198022000	109795600	90871300	99118100	111535400	88082500	54708500	12427200	86071900	55004600	8586400
08/22/94	98110400	138496700	32632000	66202100	66778500	198429200	110248000	91075200	99337400	111897600	88242900	54983600	12479400	86221000	55055200	8736100
08/23/94	98457500	138717800	32955700	66484100	67060400	198822600	110685300	91271300	99548800	112247800	88384700	55247100	12531100	86364300	55104500	8880400
08/24/94	98765400	138913200	33244300	66735300	67319000	199169200	111073600	91445700	99737200	112558800	88506600	55484400	12577500	86491200	55148100	9008600
08/25/94	99100100	139126700	33544700	67027900	67622600	199530500	111494000	91637300	99943700	112894200	88644600	55780600	12620200	86629800	55194000	9149300
08/26/94	99453600	139350100	33862500	67336500	67944100	199924100	111939100	91839000	100162000	113248700	88781900	56089900	12666500	86776100	55242300	9298900
08/27/94	99789200	139562600	34157800	67626500	68232200	200294900	112347900	92027400	100363400	113575600	88899100	56356500	12717400	86916300	55289600	9442900
08/28/94	100152000	139790200	34487300	67943000	68545200	200704000	112800200	92233400	100584400	113936500	89019400	56648800	12762500	87066000	55340100	9595600
08/29/94	100470200	139990500	34781400	68224600	68830600	201086300	113217700	92419400	100787000	114267200	89157600	56936800	12806200	87196700	55382700	9728900
08/30/94	100772800	140180500	35053900	68489100	69096100	201438700	113599600	92592500	100973900	114572000	89283600	57192100	12849400	87322500	55434100	9857500
08/31/94	101134000	140407500	35382500	68804700	69410700	201846200	114056200	92799000	101197300	114937300	89423000	57498700	12901800	87471600	55473700	10009700

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
AUGUST, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
08/01/94	353000	225600	26289600	60403100	61043700	410800	450600	87081400	221700	364000	84768500	289800	53500	142400	50200	148500	322296400
08/02/94	282300	179800	265100	241400	232200	321400	361500	164000	177400	289400	152000	231600	44500	119900	40100	120600	3223200
08/03/94	303800	194100	269900	253900	250400	335300	368100	170500	184300	299900	157400	236700	47700	123500	43300	130200	3369000
08/04/94	400200	214300	366300	333300	322500	452200	506700	230400	248100	406200	214600	329000	55200	167800	57300	168000	4472100
08/05/94	257000	140300	234400	214900	219300	290800	325100	147500	158700	259900	136700	205300	40300	107300	36100	107900	2881500
08/06/94	509600	100700	458700	418900	401400	567400	634000	283500	304600	509000	262900	397100	82200	208400	76000	209900	5424300
08/07/94	263100	39600	325800	296900	284900	402900	453400	202200	216700	364900	176900	278200	61700	147300	55100	149600	3719200
08/08/94	263100	24900	145600	131100	126600	169400	198400	89200	95600	159600	82800	121900	27400	65000	24200	66100	1790900
08/09/94	397500	109400	351900	321000	313000	421700	488900	220000	234700	394100	202200	304700	68600	166300	58800	167900	4220700
08/10/94	286200	128500	253200	237700	233100	317300	359200	165100	175900	288400	149700	227400	47200	119400	41000	119800	3149100
08/11/94	380900	154400	344000	315200	318200	430700	488800	216000	235900	391900	194800	306100	62600	155000	54500	156300	4205300
08/12/94	263300	107000	236400	217000	212600	289200	330000	149100	160300	265600	126500	207400	44800	108400	38300	108000	2863900
08/13/94	399900	140200	343500	312300	307500	425500	472700	215600	230100	382400	181500	292100	68500	161100	58300	161700	4152900
08/14/94	328500	120900	299300	274200	273300	371000	418600	189100	202100	337900	152000	256300	58800	137600	49800	137600	3607000
08/15/94	312500	123400	283400	256700	257600	357800	404300	180000	195100	325300	149600	252600	44700	126200	45300	128900	3443400
08/16/94	399700	145000	363000	331300	333900	445300	499000	225700	242000	401800	183200	309900	58500	163800	58400	165600	4326100
08/17/94	290100	154700	256300	235100	234600	320000	353000	162600	173000	285100	140700	218800	43500	121400	42500	122900	3154300
08/18/94	327600	194600	291300	268500	267100	370100	412100	185800	199100	331300	153300	250000	49300	134600	47400	136400	3618500
08/19/94	389700	243600	359200	321100	327700	448900	403100	225700	244300	402300	195700	316900	55000	160300	53900	166000	4313400
08/20/94	333100	213900	294600	272200	272900	369000	518900	190400	205300	335000	158400	266400	46300	139200	46900	140200	3802700
08/21/94	312100	200000	272600	254300	253700	353800	393000	177500	191200	314800	143100	242600	44800	130000	44200	131200	3458900
08/22/94	358300	228900	327900	292000	292300	407200	452400	203900	219300	362200	160400	275100	52200	149100	50600	149700	3981500
08/23/94	347100	221100	323700	282000	281900	393400	437300	196100	211400	350200	141800	263500	51700	143300	49300	144300	3838100
08/24/94	307900	195400	288600	251200	258600	346600	388300	174400	188400	311000	121900	237300	46400	126900	43600	128200	3414700
08/25/94	334700	213500	300400	292600	303600	361300	420400	191600	206500	335400	138000	296200	42700	138600	45900	140700	3762100
08/26/94	353500	223400	317800	308600	321500	393600	445100	201700	218300	354500	137300	309300	46300	146300	48300	149600	3975100
08/27/94	335600	212500	295300	290000	288100	370800	408800	188400	201400	326900	117200	266600	50900	140200	47300	144000	3684000
08/28/94	362800	227600	329500	316500	313000	409100	452300	206000	221000	360900	120300	292300	45100	149700	50500	152700	4009300
08/29/94	318200	200300	294100	281600	285400	382300	417500	186000	202600	330700	138200	288000	43700	130700	42600	133300	3675200
08/30/94	302600	190000	272500	264500	265500	352400	381900	173100	186900	304800	126000	255300	43200	125800	51400	128600	3424500
08/31/94	361200	227000	328600	315600	314600	407500	456600	206500	223400	365300	139400	306600	52400	149100	39600	152200	4045600
TOTAL	10435100	5294600	35382500	68804700	69410700	11694700	13100000	92799000	6375300	10510700	89423000	8331000	1579700	4304600	1490700	4366600	433302900

CRA 55/5530/A1C94

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
AUGUST, 1994

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
07/31/94	2015112000	2365445000	2165028000	2579856000	2041081000	1803552000
08/01/94	2017196000	2367510000	2166815000	2581740000	2043764000	1806541000
08/02/94	2019018000	2369134000	2168215000	2583393000	2045086000	1809040000
08/03/94	2021105000	2370790000	2169825000	2585093000	2047056000	1811745000
08/04/94	2023740000	2373064000	2171775000	2587453000	2049626000	1815278000
08/05/94	2025452000	2374541000	2173049000	2588958000	2051292000	1817565000
08/06/94	2028739000	2377252000	2175490000	2591778000	2054423000	1821874000
08/07/94	2031069000	2379124000	2177230000	2593710000	2056622000	1824901000
08/08/94	2032098000	2379960000	2177988000	2594584000	2057598000	1826243000
08/09/94	2034747000	2382122000	2179963000	2596834000	2060114000	1829703000
08/10/94	2036595000	2383737000	2181235000	2598607000	2061930000	1832199000
08/11/94	2039084000	2385842000	2182894000	2600984000	2064344000	1835514000
08/12/94	2040709000	2387205000	2184005000	2602507000	2065916000	1837674000
08/13/94	2043304000	2389356000	2185188000	2604903000	2068414000	1841102000
08/14/94	2045465000	2391151000	2187278000	2606909000	2070494000	1843956000
08/15/94	2047445000	2392773000	2188623000	2608733000	2072381000	1846546000
08/16/94	2050046000	2394949000	2190398000	2611161000	2074887000	1849983000
08/17/94	2051932000	2396547000	2191683000	2612939000	2076216000	1852492000
08/18/94	2054088000	2398374000	2193124000	2615005000	2078806000	1855359000
08/19/94	2056798000	2400661000	2194984000	2617525000	2081408000	1858925000
08/20/94	2058998000	2402506000	2196462000	2619540000	2083494000	1861786000
08/21/94	2061111000	2404266000	2197861000	2621496000	2085494000	1864528000
08/22/94	2063534000	2406285000	2199465000	2623739000	2087785000	1867672000
08/23/94	2065881000	2408225000	2201014000	2625893000	2089997000	1870707000
08/24/94	2067969000	2409959000	2202387000	2627831000	2091968000	1873411000
08/25/94	2070262000	2411881000	2203916000	2629945000	2094139000	1876388000
08/26/94	2072669000	2413930000	2205514000	2632198000	2096436000	1879538000
08/27/94	2075010000	2415894000	2207076000	2634344000	2098652000	1882577000
08/28/94	2077485000	2417956000	2208717000	2636609000	2100984000	1885774000
08/29/94	2079623000	2419766000	2210160000	2638552000	2103006000	1888546000
08/30/94	2081719000	2421525000	2211561000	2640456000	2104976000	1891246000
08/31/94	2084170000	2423597000	2213205000	2642724000	2107312000	1894445000
TOTALS	69058000	58152000	48177000	62868000	66231000	90893000

VOLUME OF TREATED WATER (GALLONS) AND FLOWRATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
2084000	2065000	4149000	2822	1787000	1884000	3671000	2497	2683000	2989000	5672000	3859
1822000	1624000	3446000	2802	1400000	1653000	3053000	2482	1322000	2499000	3821000	3107
2087000	1656000	3743000	2399	1610000	1700000	3310000	2122	1970000	2705000	4675000	2997
2635000	2274000	4909000	2871	1950000	2360000	4310000	2520	2570000	3533000	6103000	3569
1712000	1477000	3189000	2873	1274000	1505000	2779000	2504	1666000	2287000	3953000	3561
3287000	2711000	5998000	2856	2441000	2820000	5261000	2505	3131000	4309000	7440000	3543
2330000	1872000	4202000	2801	1740000	1932000	3672000	2448	2199000	3027000	5226000	3484
1029000	836000	1865000	2826	758000	874000	1632000	2473	976000	1342000	2318000	3512
2649000	2162000	4811000	2587	1975000	2250000	4225000	2272	2516000	3460000	5976000	3213
1848000	1615000	3463000	2886	1272000	1773000	3045000	2538	1816000	2496000	4312000	3593
2489000	2105000	4594000	2836	1659000	2377000	4036000	2491	2414000	3315000	5729000	3536
1625000	1363000	2988000	2767	1111000	1523000	2634000	2439	1572000	2160000	3732000	3456
2595000	2151000	4746000	2930	1183000	2396000	3579000	2209	2498000	3428000	5926000	3658
2161000	1795000	3956000	2867	2090000	2006000	4096000	2968	2080000	2854000	4934000	3575
1980000	1622000	3602000	2668	1345000	1824000	3169000	2347	1887000	2590000	4477000	3316
2601000	2176000	4777000	2843	1775000	2428000	4203000	2502	2506000	3437000	5943000	3538
1886000	1598000	3484000	2903	1285000	1778000	3063000	2553	1329000	2509000	3838000	3198
2156000	1827000	3983000	2886	1441000	2066000	3507000	2541	2590000	2867000	5457000	3954
2710000	2287000	4997000	2974	1860000	2520000	4380000	2607	2602000	3566000	6168000	3671
2200000	1845000	4045000	2869	1478000	2015000	3493000	2477	2086000	2861000	4947000	3509
2113000	1760000	3873000	2934	1399000	1956000	3355000	2542	2000000	2742000	4742000	3592
2423000	2019000	4442000	2903	1604000	2243000	3847000	2514	2291000	3144000	5435000	3552
2347000	1940000	4287000	2916	1549000	2154000	3703000	2519	2212000	3035000	5247000	3569
2088000	1734000	3822000	2963	1373000	1938000	3311000	2567	1971000	2704000	4675000	3624
2293000	1922000	4215000	2927	1529000	2114000	3643000	2530	2171000	2977000	5148000	3575
2407000	2049000	4456000	2971	1598000	2253000	3851000	2567	2297000	3150000	5447000	3631
2341000	1964000	4305000	3053	1562000	2146000	3708000	2630	2216000	3039000	5255000	3727
2475000	2062000	4537000	2965	1641000	2265000	3906000	2553	2332000	3197000	5529000	3614
2138000	1810000	3948000	2861	1443000	1943000	3386000	2454	2022000	2772000	4794000	3474
2096000	1759000	3855000	2988	1401000	1904000	3305000	2562	1970000	2700000	4670000	3620
2451000	2072000	4523000	2956	1644000	2268000	3912000	2557	2336000	3199000	5535000	3618
69058000	58152000	127210000	2882	48177000	62868000	111045000	2516	66231000	90893000	157124000	3560

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

SEPTEMBER, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
08/31/94	101134000	140407500	35382500	68804700	69410700	201846200	114056200	92799000	101197300	114937300	89423000	57498700	12901800	87471600	55473700	10009700
09/01/94	101477700	140622500	35698500	69104500	69721000	202230000	114488800	92995900	101409400	115283900	89567700	57768100	12953700	87613000	55521300	10154400
09/02/94	101840400	140852100	35992200	69425700	70035000	202644200	114910600	93193800	101624800	115637300	89721500	57993000	13000800	87753800	55569200	10306600
09/03/94	102091400	141007900	36157300	69640800	70219300	202916300	115184400	93318700	101758700	115869100	89822600	58122300	13020900	87842800	55602700	10413800
09/04/94	102431200	141221400	36461400	69932600	70515500	203315700	115611400	93512200	101967200	116206500	89978100	58392000	13058100	87984100	55650200	10554500
09/05/94	102768150	141433500	36765100	70221900	70808000	203715850	116036400	93703450	102173300	116543200	90121400	58649700	13103100	88122250	55697650	10691300
09/06/94	103105100	141645600	37068800	70511200	71100500	204116000	116461400	93894700	102379400	116879900	90264700	58907400	13148100	88260400	55745100	10828100
09/07/94	103452100	141863400	37387600	70807000	71406400	204526100	116896100	94090600	102590100	117224800	90417300	59168500	13195900	88402800	55794200	10969100
09/08/94	103769100	142079100	37700400	71098800	71707900	204924200	117323000	94283900	102797900	117564300	90558300	59423800	13244700	88544200	55843300	11108500
09/09/94	104132600	142290500	38000200	71385700	72006100	205316500	117746200	94474900	103004100	117900900	90679100	59678900	13293000	88680600	55891200	11242500
09/10/94	104598500	142580800	38415700	71772700	72417200	205848400	118308700	94732700	103280000	118349600	90841000	60017500	13361500	88872200	55958100	11429500
09/11/94	104825100	142721500	38632400	71966600	72625000	206119900	118596700	94863400	103420000	118578800	90924400	60192700	13394400	88965600	55990000	11522100
09/12/94	105170700	142937100	38946200	72260800	72943700	206537400	119042300	95062200	103635100	118932200	91062500	60464800	13444100	89105400	56038100	11664300
09/13/94	105497800	143140200	39235000	72535100	73239300	206922500	119450900	95247000	103833700	119257700	91191100	60713700	13492200	89239100	56084200	11801600
09/14/94	105818400	143339100	39518700	72803900	73529800	207297800	119852700	95428300	104029500	119578000	91314200	60954000	13539800	89369900	56129500	11935400
09/15/94	106143000	143539200	39820500	73078400	73823600	207655000	120259200	95613000	104227600	119901500	91446100	61240400	13588100	89503000	56174800	12073300
09/16/94	106533100	143779800	40175200	73407500	74176900	208084700	120748100	95834400	104466200	120291100	91590700	61581600	13647000	89662100	56229400	12237200
09/17/94	106854900	143977700	40464300	73677000	74466300	208436300	121147200	96015700	104661200	120609700	91703500	61859200	13696100	89793000	56274600	12371700
09/18/94	107223800	144204200	40801900	73985600	74799500	208841000	121606700	96224300	104885100	120976500	91827400	62176800	13752000	89942800	56326400	12525200
09/19/94	107546300	144402300	41097300	74255700	75092600	209197300	122012200	96407300	105081300	121300000	91932800	62454600	13800100	90073300	56371600	12658300
09/20/94	107895200	144616300	41410000	74545300	75406700	209577100	122443400	96602800	105289900	121644600	92047500	62748400	13852400	90215500	56421100	12803300
09/21/94	108258600	144839100	41735900	74846500	75734700	209974500	122895700	96807300	105510300	122006000	92162700	63057300	13906600	90362500	56472300	12951600
09/22/94	108581000	145036700	42023800	75114200	76013400	210343400	123298800	96990000	105706600	122327000	92260800	63333500	13953500	90491700	56517300	13082400
09/23/94	108916600	145241200	42332200	75390100	76303600	210726700	123713700	97178600	105908700	122659000	92365200	63617900	14002200	90627200	56561700	13220200
09/24/94	109246500	145440200	42633100	75664900	76595200	211091300	124118000	97365500	106108400	122982500	92495900	63895100	14050000	90764000	56612000	13358300
09/25/94	109573700	145638900	42935100	75941300	76876900	211458800	124527600	97552100	106308800	123309000	92647400	64177200	14093200	90891400	56655700	13487400
09/26/94	109938300	145862200	43264300	76252500	77184300	211873800	124993400	97760000	106533000	123680500	92807500	64499200	14127700	90992200	56687500	13588400
09/27/94	110284900	146071900	43577400	76543500	77483900	212285500	125429300	97958200	106745500	124026800	92960700	64798900	14175500	91134200	56732600	13733000
09/28/94	110587200	146254000	43860200	76796100	77746100	212659200	125807900	98131600	106932600	124327400	93106600	65056600	14216500	91258300	56771600	13859600
09/29/94	110980000	146490000	44228800	77123900	78084300	213146000	126302500	98357900	107176100	124719600	93299000	65392500	14269000	91419500	56822200	14022600
09/30/94	111283000	146671800	44513000	77375700	78341600	213518900	126682800	98531800	107363800	125021100	93447800	65650300	14309200	91543200	56857300	14148800

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED

SEPTEMBER, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
09/01/94	343700	215000	316000	299800	310300	383800	432600	196900	212100	346600	144700	269400	51900	141400	47600	144700	3856500
09/02/94	362700	229600	293700	321200	314000	414200	421800	197900	215400	353400	153800	224900	47100	140800	47900	152200	3890600
09/03/94	251000	155800	165100	215100	184300	272100	273800	124900	133900	231800	101100	129300	20100	89000	33500	107200	2488000
09/04/94	339800	213500	304100	291800	296200	399400	427000	193500	208500	337400	155500	269700	37200	141300	47500	140700	3803100
09/05/94	336950	212100	303700	289300	292500	400150	425000	191250	206100	336700	143300	257700	45000	138150	47450	136800	3762150
09/06/94	336950	212100	303700	289300	292500	400150	425000	191250	206100	336700	143300	257700	45000	138150	47450	136800	3762150
09/07/94	347000	217800	318800	295800	305900	410100	434700	195900	210700	344900	152600	261100	47800	142400	49100	141000	3875600
09/08/94	317000	215700	312800	291800	301500	398100	426900	193300	207800	339500	141000	255300	48800	141400	49100	139400	3779400
09/09/94	363500	211400	299800	286900	298200	392300	423200	191000	206200	336600	120800	255100	48300	136400	47900	134000	3751600
09/10/94	465900	290300	415500	387000	411100	531900	562500	257800	275900	448700	161900	338600	68500	191600	66900	187000	5061100
09/11/94	226600	140700	216700	193900	207800	271500	288000	130700	140000	229200	83400	175200	32900	93400	31900	92600	2554500
09/12/94	345600	215600	313800	294200	318700	417500	445600	198800	215100	353400	138100	272100	49700	139800	48100	142200	3908300
09/13/94	327100	203100	288800	274300	295600	385100	408600	184800	198600	325500	128600	248900	48100	133700	46100	137300	3634200
09/14/94	320600	198900	283700	268800	290500	375300	401800	181300	195800	320300	123100	240300	47600	130800	45300	133800	3557900
09/15/94	324600	200100	301800	274500	293800	357200	406500	184700	198100	323500	131900	286400	48300	133100	45300	137900	3647700
09/16/94	390100	240600	354700	329100	353300	429700	488900	221400	238600	389600	144600	341200	58900	159100	54600	163900	4358300
09/17/94	321800	197900	289100	269500	289400	351600	399100	181300	195000	318600	112800	277600	49100	130900	45200	134500	3563400
09/18/94	368900	226500	337600	308600	333200	404700	459500	208600	223900	366800	123900	317600	55900	149800	51800	153500	4090800
09/19/94	322500	198100	295400	270100	293100	356300	405500	183000	196200	323500	105400	277800	48100	130500	45200	133100	3583800
09/20/94	348900	214000	312700	289600	314100	379800	431200	195500	208600	344600	114700	293800	52300	142200	49500	145000	3836500
09/21/94	363400	222800	325900	301200	328000	397400	452300	204500	220400	361400	115200	308900	54200	147000	51200	148300	4002100
09/22/94	322400	197600	287900	267700	278700	368900	403100	182700	196300	321000	98100	276200	46900	129200	45000	130800	3552500
09/23/94	335600	204500	308400	275900	290200	383300	414900	188600	202100	332000	104400	284400	48700	135500	44400	137800	3690700
09/24/94	329900	199000	300900	274800	291600	364600	404300	186900	199700	323500	130700	277200	47800	136800	50300	138100	3656100
09/25/94	327200	198700	302000	276400	281700	367500	409600	186600	200400	326500	151500	282100	43200	127400	43700	129100	3653600
09/26/94	364600	223300	329200	311200	307400	415000	465800	207900	224200	371500	160100	322000	34500	100800	31800	101000	3970300
09/27/94	346600	209700	313100	291000	299600	411700	435900	198200	212500	346300	153200	299700	47800	142000	45100	144600	3897000
09/28/94	302300	182100	282800	252600	262200	373700	378600	173400	187100	300600	145900	257700	41000	124100	39000	126600	3429700
09/29/94	392800	236000	368600	327800	338200	486800	494600	226300	243500	392200	192400	335900	52500	161200	50600	163000	4462400
09/30/94	303000	181800	284200	251800	257300	372900	380300	173900	187700	301500	148800	257800	40200	123700	35100	126200	3426200
TOTAL	10149000	6264300	9130500	8571000	8930900	11672700	12626600	5732800	6166500	10083800	4024800	8151600	1407400	4071600	1383600	4139100	112506200

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG

SEPTEMBER, 1994

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
08/31/94	2084170000	2423597000	2213205000	2642724000	2107312000	1894445000
09/01/94	2086508000	2425570000	2214771000	2644894000	2109535000	1897490000
09/02/94	2088825000	2427519000	2216321000	2647039000	2111743000	1900517000
09/03/94	2090428000	2428749000	2217759000	2648031000	2113191000	1902495000
09/04/94	2092729000	2430707000	2219243000	2650231000	2115391000	1905518000
09/05/94	2094983500	2432608500	2220720000	2652367500	2117544000	1908479500
09/06/94	2097238000	2434510000	2222197000	2654504000	2119697000	1911441000
09/07/94	2099587000	2436492000	2223727000	2656733000	2121937000	1914522000
09/08/94	2101936000	2438463000	2225265000	2658934000	2124168000	1917612000
09/09/94	2104177000	2440327000	2226747000	2661025000	2126292000	1920553000
09/10/94	2107318000	2442948000	2228794000	2663971000	2129273000	1924686000
09/11/94	2108909000	2444286000	2229833000	2665476000	2130789000	1926787000
09/12/94	2111186000	2446193000	2231303000	2667634000	2132950000	1929785000
09/13/94	2113398000	2448041000	2232731000	2669727000	2135047000	1932692000
09/14/94	2115559000	2449836000	2234123000	2671770000	2137090000	1935525000
09/15/94	2117765000	2451701000	2235558000	2673859000	2139193000	1938440000
09/16/94	2120402000	2453910000	2237286000	2676328000	2141697000	1941916000
09/17/94	2122579000	2455726000	2238700000	2678377000	2143760000	1944791000
09/18/94	2125066000	2457796000	2240303000	2680722000	2146112000	1948074000
09/19/94	2127219000	2459582000	2241703000	2683734000	2148143000	1950893000
09/20/94	2129592000	2461534000	2243223000	2684949000	2150373000	1954002000
09/21/94	2132044000	2463551000	2244816000	2687222000	2152680000	1957231000
09/22/94	2134182000	2465318000	2246200000	2689229000	2154699000	1960063000
09/23/94	2136449000	2467202000	2247664000	2691365000	2156844000	1963072000
09/24/94	2138752000	2469120000	2249170000	2693510000	2159028000	1966135000
09/25/94	2140974000	2470966000	2250610000	2695591000	2161127000	1969080000
09/26/94	2143361000	2472864000	2252131000	2697788000	2163341000	1972190000
09/27/94	2145709000	2474840000	2253673000	2699993000	2165576000	1975334000
09/28/94	2147777000	2476598000	2255017000	2701968000	2167556000	1978115000
09/29/94	2150460000	2478876000	2256764000	2704529000	2170124000	1981734000
09/30/94	2152046000	2480639000	2258116000	2706486000	2172102000	1984530000
TOTALS	67876000	57042000	44911000	63762000	64790000	90085000

VOLUME OF TREATED WATER (GALLONS) AND FLOWRATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
2338000	1973000	4311000	2933	1566000	2170000	3736000	2541	2223000	3045000	5268000	3584
2317000	1949000	4266000	2788	1550000	2145000	3695000	2415	2208000	3027000	5235000	3422
1603000	1230000	2833000	2146	1438000	992000	2430000	1841	1448000	1978000	3426000	2595
2301000	1958000	4259000	2958	1484000	2200000	3684000	2558	2200000	3023000	5223000	3627
2254500	1901500	4156000	2886	1477000	2136500	3613500	2509	2153000	2961500	5114500	3552
2254500	1901500	4156000	3012	1477000	2136500	3613500	2618	2153000	2961500	5114500	3706
2349000	1982000	4331000	2946	1530000	2229000	3759000	2557	2240000	3081000	5321000	3620
2349000	1971000	4320000	2939	1538000	2201000	3739000	2544	2231000	3090000	5321000	3620
2241000	1864000	4105000	2911	1482000	2091000	3573000	2534	2124000	2941000	5065000	3592
3141000	2621000	5762000	3001	2047000	2946000	4993000	2601	2981000	4133000	7114000	3705
1591000	1338000	2929000	2959	1039000	1505000	2544000	2570	1516000	2101000	3617000	3654
2277000	1907000	4184000	2846	1470000	2158000	3628000	2468	2161000	2998000	5159000	3510
2212000	1848000	4060000	2942	1428000	2093000	3521000	2551	2097000	2907000	5004000	3626
2161000	1795000	3956000	2930	1392000	2043000	3435000	2544	2043000	2833000	4876000	3612
2206000	1865000	4071000	2950	1435000	2089000	3524000	2554	2103000	2915000	5018000	3636
2637000	2209000	4846000	2937	1728000	2469000	4197000	2544	2504000	3476000	5980000	3624
2177000	1816000	3993000	2958	1414000	2049000	3463000	2565	2063000	2875000	4938000	3658
2487000	2070000	4557000	2921	1603000	2345000	3948000	2531	2352000	3283000	5635000	3612
2153000	1786000	3939000	2918	1400000	3012000	4412000	3268	2031000	2819000	4850000	3593
2373000	1952000	4325000	2942	1520000	1215000	2735000	1861	2230000	3109000	5339000	3632
2452000	2017000	4469000	2921	1593000	2273000	3866000	2527	2307000	3229000	5536000	3618
2138000	1767000	3905000	2893	1384000	2007000	3391000	2512	2019000	2832000	4851000	3593
2267000	1884000	4151000	2944	1464000	2136000	3600000	2553	2145000	3009000	5154000	3655
2303000	1918000	4221000	3059	1506000	2145000	3651000	2646	2184000	3063000	5247000	3802
2222000	1846000	4068000	2948	1440000	2081000	3521000	2551	2099000	2945000	5044000	3655
2387000	1898000	4285000	2857	1521000	2197000	3718000	2479	2214000	3110000	5324000	3549
2348000	1976000	4324000	2941	1542000	2205000	3747000	2549	2235000	3144000	5379000	3659
2068000	1758000	3826000	2834	1344000	1975000	3319000	2459	1980000	2781000	4761000	3527
2683000	2278000	4961000	2953	1747000	2561000	4308000	2564	2568000	3619000	6187000	3683
1586000	1763000	3349000	2596	1352000	1957000	3309000	2565	1978000	2796000	4774000	3701
67876000	57042000	124918000	2900	44911000	63762000	108673000	2522	64790000	90085000	154875000	3595

CRA 55/ 55h/ SEPT94

BLDG 502 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: OCTOBER 1993

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
09/30/93	9577302	0	
10/01/93	9582577	5275	
10/04/93	9598575	15998	
10/05/93	9603780	5205	
10/06/93	9608976	5196	
10/07/93	9614257	5281	
10/08/93	9619584	5327	
10/11/93	9635458	15874	
10/12/93	9640740	5282	
10/13/93	9646261	5521	
10/14/93	9651285	5024	
10/15/93	9656143	4858	
10/18/93	9672152	16009	
10/19/93	9678629	6477	
10/20/93	9682708	4079	
10/21/93	9688201	5493	
10/22/93	9693453	5252	
10/25/93	9706549	13096	
10/26/93	9711838	5289	
10/27/93	9717254	5416	
10/28/93	9721319	4065	
10/29/93	9725966	4647	
	TOTAL	148664	

MAINTENANCE FOR THE MONTH OF OCTOBER: REPAIRS TO THE BUILDING HEATER WERE COMPLETED ON OCTOBER 19.

BLDG 502 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: NOVEMBER 1993

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
10/29/93	9725966	0	
11/01/93	9736723	10757	
11/02/93	9739254	2531	
11/03/93	9741929	2675	
11/04/93	9743241	1312	
11/05/93	9743241	0	
11/08/93	9762633	19392	RISER PIPE LEAKING
11/09/93	9762633	0	ON TOWER #2
11/10/93	9762633	0	
11/11/93	9762633	0	
11/12/93	9762633	0	PIPE REPAIRED
11/15/93	9762633	0	
11/16/93	9762633	0	
11/17/93	9762633	0	
11/18/93	9762633	0	
11/19/93	9762633	0	
11/22/93	9762633	0	
11/23/93	9762633	0	
11/24/93	9767281	4648	
11/26/93	9773617	6336	FLOWMETER STUCK/
11/29/93	9788406	14789	REPAIRED
11/30/93	9793047	4641	
	TOTAL	67081	

MAINTENANCE FOR THE MONTH OF NOVEMBER: THE PORTION OF THE TOWERS OUTSIDE OF THE BUILDING WERE PRIMED FOR PAINTING BEFORE THE WEATHER PREVENTED APPLICATION OF THE FINAL PAINT COAT. THE PORTION INSIDE THE BUILDING WAS PRIMED AND PAINTED. THE PAINTING WILL BE COMPLETED WHEN WARMER WEATHER RETURNS.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 700,310 GALLONS.

BLDG 502 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: DECEMBER 1993

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
11/30/93	9793047	0	
12/01/93	9798004	4957	
12/02/93	9802483	4479	
12/03/93	9807815	5332	
12/06/93	9824222	16407	
12/07/93	9829531	5309	
12/08/93	9834998	5467	
12/09/93	9840486	5488	
12/10/93	9845569	5083	
12/13/93	9862121	16552	
12/14/93	9866954	4833	
12/15/93	9867771	817	
12/16/93	9867771	0	
12/17/93	9872388	4617	
12/20/93	9888087	15699	
12/21/93	9894043	5956	
12/22/93	9899672	5629	
12/23/93	9904900	5228	
12/28/93	9930253	25353	
12/30/93	9938477	8224	
	TOTAL	145430	

MAINTENANCE FOR THE MONTH OF DECEMBER: NONE

BLDG 502 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: JANUARY 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
12/30/93	9938477	0	
1/3/94	9958732	20255	
1/4/94	9964000	5268	
1/5/94	9969300	5300	
1/6/94	9974951	5651	
1/7/94	9980168	5217	
1/9/94	9990086	9918	EMERGENCY SHUTDOWN
1/10/94	9994504	4418	
1/11/94	9999905	5401	
1/12/94	10005543	5638	DOOR WEATHER STRIPPING REPLACED
1/13/94	10011037	5494	
1/14/94	10016452	5415	
1/17/94	10032364	15912	
1/18/94	10038069	5705	
1/19/94	10043523	5454	
1/20/94	10048585	5062	
1/21/94	10054014	5429	CHECK VALVE NOT CLOSING / REPAIRED
1/24/94	10068528	14514	
1/25/94	10074816	6288	
1/26/94	10079317	4501	
1/27/94	10084635	5318	AIR INTAKE ON TOWER #1 PARTIALLY
1/28/94	10089545	4910	BLOCKED / CLEANED
1/30/94	10098001	8456	EMERGENCY SHUTDOWN
1/31/94	10102464	4463	
	TOTAL	163987	

MAINTENANCE FOR THE MONTH OF JANUARY: NONE

BLDG 502 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: FEBRUARY 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
01/31/94	10102464	0	
02/01/94	10107771	5307	
02/02/94	10113956	6185	
02/03/94	10118989	5033	
02/04/94	10124165	5176	
02/07/94	10140557	16392	
02/08/94	10145726	5169	
02/09/94	10151424	5698	
02/10/94	10157015	5591	
02/11/94	10162083	5068	
02/14/94	10178612	16529	
02/15/94	10184203	5591	
02/16/94	10189417	5214	
02/18/94	10199542	10125	TGRS DOWN
02/21/94	10215600	16058	
02/22/94	10220599	4999	
02/23/94	10226083	5484	
02/24/94	10231498	5415	
02/25/94	10237125	5627	
02/28/94	10253660	16535	
	TOTAL	151196	

MAINTENANCE FOR THE MONTH OF FEBRUARY: NONE

BLDG 502 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: MARCH 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
02/28/94	10253660	0	
03/01/94	10257720	4060	
03/02/94	10262764	5044	
03/03/94	10268905	6141	
03/04/94	10274181	5276	
03/07/94	10290312	16131	
03/08/94	10295986	5674	
03/09/94	10301158	5172	
03/10/94	10307887	6729	
03/11/94	10312145	4258	
03/14/94	10327913	15768	
03/15/94	10333222	5309	
03/16/94	10338624	5402	
03/17/94	10344279	5655	
03/18/94	10349443	5164	
03/21/94	10365039	15596	
03/22/94	10371368	6329	
03/23/94	10376253	4885	
03/24/94	10382291	6038	
03/25/94	10386821	4530	
03/28/94	10402357	15536	
03/29/94	10408696	6339	
03/30/94	10414203	5507	
03/31/94	10419430	5227	
	TOTAL	165770	

MAINTENANCE FOR THE MONTH OF MARCH: NONE

BLDG 502 GROUNDWATER TREATMENT SYSTEM
(SITE I) WATER METER READING LOG
FOR THE MONTH OF: APRIL 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
03/31/94	10419430	0	
04/04/94	10441237	21807	
04/05/94	10446693	5456	
04/06/94	10452111	5418	
04/07/94	10457705	5594	
04/08/94	10463131	5426	
04/11/94	10479364	16233	
04/12/94	10484850	5486	
04/13/94	10490432	5582	
04/14/94	10496066	5634	
04/15/94	10501317	5251	
04/18/94	10515301	13984	
04/19/94	10520863	5562	
04/20/94	10526198	5335	
04/21/94	10532829	6631	
04/22/94	10537075	4246	
04/24/94	10549879	12804	
04/25/94	10552595	2716	
04/26/94	10553186	591	
04/27/94	10558713	5527	
04/28/94	10564141	5428	
04/29/94	10569584	5443	
	TOTAL	150154	

MAINTENANCE FOR THE MONTH OF APRIL: A LIGHTNING STRIKE ON THE 25TH CAUSED A PHASE CONTROLLER TO BURN OUT. THE CONTROLLER WAS BY-PASSED.

BLDG 502 GROUNDWATER TREATMENT SYSTEM (SITE I) WATER METER READING LOG FOR THE MONTH OF: MAY 1994			
DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
04/29/94	10569584	0	
05/02/94	10585918	16334	
05/03/94	10591339	5421	
05/04/94	10596761	5422	
05/05/94	10602117	5356	
05/06/94	10607552	5435	
05/09/94	10624000	16448	
05/10/94	10629282	5282	
05/11/94	10634173	4891	
05/12/94	10639586	5413	
05/13/94	10645068	5482	
05/16/94	10660575	15507	
05/17/94	10666353	5778	
05/18/94	10671460	5107	
05/19/94	10676870	5410	
05/20/94	10682059	5189	
05/23/94	10698342	16283	
05/24/94	10703509	5167	
05/25/94	10709020	5511	
05/26/94	10714398	5378	
05/27/94	10719659	5261	
05/31/94	10739334	19675	
	TOTAL	169750	

MAINTENANCE FOR THE MONTH OF MAY: NONE

BLDG 502 GROUNDWATER TREATMENT SYSTEM
(SITE I) WATER METER READING LOG
FOR THE MONTH OF: JUNE 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
05/31/94	10739334	0	
06/01/94	10744937	5603	
06/02/94	10750361	5424	
06/03/94	10755543	5182	
06/06/94	10771770	16227	
06/07/94	10776625	4855	
06/08/94	10780986	4361	
06/09/94	10786220	5234	
06/10/94	10791536	5316	
06/13/94	10807667	16131	
06/14/94	10813029	5362	
06/15/94	10818386	5357	
06/16/94	10821458	3072	
06/17/94	10823329	1871	FLOWMETER STUCK
06/18/94	10826754	3425	
06/20/94	10838610	11856	
06/21/94	10843941	5331	
06/22/94	10846832	2891	
06/23/94	10853794	6962	
06/24/94	10857640	3846	
06/25/94	10862751	5111	
06/27/94	10870739	7988	
06/28/94	10876349	5610	
06/29/94	10881619	5270	
06/30/94	10886944	5325	
	TOTAL	147610	

MAINTENANCE FOR THE MONTH OF JUNE: THE PLUMBERS PERFORMED ANNUAL PREVENTATIVE MAINTENANCE CHECKS.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 1,508,717 GALLONS.

BLDG 502 GROUNDWATER TREATMENT SYSTEM
(SITE I) WATER METER READING LOG
FOR THE MONTH OF: JULY 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
06/30/94	10886944	0	AFTER EXPERIENCING 13 EMER-
07/01/94	10892246	5302	GENCY SHUTDOWNS DURING
07/02/94	10894612	2366	THE FIRST 8 DAYS OF JULY, AN
07/03/94	10899237	4625	ATTEMPT TO TRACK DOWN THE
07/04/94	10904118	4881	CAUSE WAS MADE. WHILE THE
07/05/94	10907212	3094	CAUSE WAS NEVER IDENTIFIED,
07/07/94	10917282	10070	ATK ELECTRICIANS MODIFIED
07/08/94	10920714	3432	THE SHUTDOWN SEQUENCE,
07/11/94	10935681	14967	WHICH APPEARS TO HAVE
07/12/94	10936993	1312	CORRECTED THE PROBLEM.
07/13/94	10936993	0	
07/14/94	10936993	0	
07/15/94	10936993	0	
07/18/94	10936993	0	
07/19/94	10936993	0	
07/20/94	10937274	281	
07/21/94	10942245	4971	
07/22/94	10947347	5102	
07/25/94	10962423	15076	
07/26/94	10967409	4986	
07/27/94	10972381	4972	
07/28/94	10978110	5729	
07/29/94	10982959	4849	
		96015	

MAINTENANCE FOR THE MONTH OF JULY: ON JULY 7TH, THE EFFLUENT PUMP WAS REPLACED DUE TO A LEAKING SEAL.

THE TGRS SYSTEM WAS DOWN FROM JULY 12-20 FOR EXTERIOR PAINTING OF THE SYSTEM TOWERS.

BLDG 502 GROUNDWATER TREATMENT SYSTEM
(SITE I) WATER METER READING LOG
FOR THE MONTH OF: AUGUST 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
07/29/94	10982959	0	
08/01/94	10997848	14889	
08/02/94	11002448	4600	
08/03/94	11007311	4863	
08/04/94	11013684	6373	
08/08/94	11034147	20463	
08/09/94	11038972	4825	
08/10/94	11045190	6218	
08/11/94	11049336	4146	
08/12/94	11054578	5242	
08/15/94	11070506	15928	
08/16/94	11075923	5417	
08/17/94	11081223	5300	
08/18/94	11086524	5301	
08/19/94	11092447	5923	
08/22/94	11108369	15922	
08/23/94	11113286	4917	
08/24/94	11118590	5304	
08/25/94	11123855	5265	
08/26/94	11129211	5356	
08/29/94	11145097	15886	
08/30/94	11150345	5248	
		167386	

MAINTENANCE FOR THE MONTH OF AUGUST: NONE

BLDG 502 GROUNDWATER TREATMENT SYSTEM
(SITE I) WATER METER READING LOG
FOR THE MONTH OF: SEPTEMBER 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
08/30/94	11150345	0	
09/01/94	11160784	10439	
09/02/94	11165662	4878	
09/06/94	11185393	19731	
09/07/94	11190922	5529	
09/08/94	11196169	5247	
09/09/94	11201824	5655	
09/12/94	11217196	15372	
09/13/94	11222570	5374	
09/14/94	11227731	5161	
09/15/94	11232899	5168	
09/16/94	11238335	5436	
09/19/94	11253850	15515	
09/20/94	11258598	4748	
09/21/94	11264729	6131	
09/22/94	11269713	4984	
09/23/94	11275037	5324	
09/26/94	11290664	15627	
09/27/94	11297285	6621	
09/28/94	11303405	6120	
09/29/94	11308681	5276	
09/30/94	11312477	3796	
		162132	

MAINTENANCE FOR THE MONTH OF SEPTEMBER: NONE

Appendix H.2

FY 1994 TGRS Inspection and Maintenance Activities

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

Notes: October 1993

10/02/93, Treatment Center Flow Meter No. 6, The flow meter transducer impeller failed and will be replaced.
Down Time: None.

10/05/93, Pumphouse B1, The 120/240 VAC fuse box was damaged by a lightning strike and was replaced.
Down Time: 8.0 Hrs.

10/06/93, Pumphouse SC3, The submersible pump was replaced with a new pump from inventory. Down Time: 8.0 Hrs.

10/06/93, Pumphouse SC2, Repairs to pumphouse SC3 required electric service turned off to pumphouses SC2 and SC3.
Down Time: 8.0 Hrs.

10/06/93, Pumphouse SC2, The flow meter failed and was replaced with a flow meter from inventory. Down Time: None.

10/14/93, Treatment Center Wet Well Pump No. 1, The heaters (a type of fusing) for wet well pump No. 1 tripped and the autodialer was activated. Service staff responded to the call from the autodialer. The heaters were reset and the pump restarted.
Down Time: 1.5 Hrs.

10/14/93, Pumphouse SC3, A crow landed on two of the power lines serving the pumphouse. The lines shorted and two fuses on the TCAAP electrical system blew. FCC performed repairs. Down Time: 22.5 Hrs.

10/15/93, Pumphouse SC2, The well was shut down for cleaning of iron sludge from the pump and piping. Down Time: 72.0 Hrs.

10/15/93, Pumphouse B2, The well was shut down for cleaning of iron sludge from the pump and piping. Down Time: 72.0 Hrs.

10/15/93, Treatment Center Flow Meter No. 6, The flow meter transducer failed and was replaced. Down Time: 2.5 Hrs.

10/17-18/93, Pumphouse B3, The flow decreased during this period. The pumphouse was inspected, however the cause for the decrease in flow rate was not identified. Down Time: 23.0 Hrs.

10/19/93, Pumphouse SC1, Completed repairs to building heater. Down Time: None.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

10/23/93, TGRS, Electrical maintenance to Buildings 105 and 116 was performed which necessitated that electrical service to the TGRS be turned off. Down Time: 14.0 Hrs.

10/25/93 Pumphouse B6, The transient surge protector was replaced. Down Time: 54.0 Hrs.

10/26/93, TGRS, System maintenance painting begins. All or portions of the system will be shut down as needed. Down Time: NA.

10/28/93, TGRS, The system is down for painting. Down Time: 4.0 Hrs.

10/30/93, TGRS, The system is down for painting. Down Time: 22.0 Hrs.

Notes: November 1993

11/5/93, TGRS, The system is down for painting. Down Time: 8.0 Hrs.

11/6-7/93, Pumphouse B-11, The pumphouse is shut down for application of paint test patches. Down Time: 53.0 Hrs.

11/8-24/93, TGRS, The system was shut down at 8:30 a.m. on 11/8/93 and restarted at 1:30 p.m. on 11/24/93. Down Time: 389.5 Hrs.

11/25/93 TGRS, Meter faces were covered to protect them during painting. When it was not possible to read a meter, the meter reading was estimated. Down Time: None.

11/8-24/93, TGRS, Throughout the month the roof to the TGRS treatment was repaired for leaks. Down Time: 0.0 Hrs.

11/1-30/93, Treatment Center Flow Meter No. 6, The flow meter transducer failed and parts have been ordered. This meter is not used to determine treatment center capacity, but is for process control only. Down Time: None.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

Notes: December 1993

12/01-12/93, TGRS, The system was restarted after being shut down for painting. The flow rates are somewhat erratic after start up as the system is being balanced. Down Time: None.

12/07/93, Pumphouse B7, The pumphouse was shut down for painting. Down Time: 24.0 Hrs.
12/7/93, Treatment Center Flow Meter No. 6, A rebuilt flow meter transducer was installed. Down Time: None.

12/15-16/93, TGRS, The system was down for repair to the programmable logic controller. Down Time: 33.0 Hrs.

12/17/93, Pumphouse B7, The flow meter was clogged with iron sludge and was replaced. Down Time: 0.5 Hrs.

12/17/93, Pumphouse B11, The flow meter was clogged with iron sludge and was replaced. Down Time: 0.5 Hrs.

12/29/93, Treatment Center Wet Well Pump No. 3, The pump is not operating. Repair subcontractors contacted.
Down Time: 4.0 Hrs.

12/30/93, Treatment Center Wet Well Pump No. 3, The pump is operating intermittently. Trouble shooting of the problem is continuing. Down Time: None.

Notes: January 1994

1/13/94, Treatment Center Air Stripping Tower No. 4, The air metering station appears to be operating improperly.
Repairs are scheduled. Down Time: None.

1/21/94, Treatment Center Wet Well Pump No. 3, The low water level float switch was replaced. Down Time: 1.0 Hr.

1/22/94, Pumphouse B12, The pumphouse is not operating and trouble shooting is being performed. Down Time: 7.5 Hrs.

1/22/94, Treatment Center, Drain pipes for wet well pumps Nos. 1 & 2 were repaired. Down Time: None.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

1/23/94, Treatment Center Electric Check Valve No. 1, The valve closed without command causing wet well pump No. 1 to shut down and the well field to cycle. The valve was reset and the pump started. Down Time: 18.0 Hrs.

1/24/94, Pumphouse B12, A faulty starter component was identified and replaced on 1/25/94. The pump was restarted on 1/25/94. Down Time: 54.2 Hrs.

1/25/94, Pumphouse B4, The submersible pump and motor were replaced. Down Time: 7.5 Hrs.

1/25/94, Pumphouse B7, A rodent had chewed through the data cables for pumphouses B7 and B12. The cables were repaired. Down Time: None.

1/26/94, Pumphouse B2, The submersible pump and motor were replaced. Down Time: 8.0 Hrs.

1/27-29/94, TGRS, The pumphouses were not accessible due to a snow storm on 1/27/94. Plowing operations were completed on 1/30/94. Down Time: None.

Notes: February 1994

2/9/94, Pumphouse B2, The pumphouse flow rate has decreased. Troubleshooting continued with the replacement of the flow meter and inspection of the electric check valve. No problem was found with the meter or valve. Down Time: 1.0 Hr.

2/14-17/94, Pumphouse B2, The pump was pulled for inspection and a video camera was used to inspection the well casing and screen. Down Time: 4.0 Hrs.

2/18/94, Treatment Center, Electrical check valves Nos. 2 and 3 were removed and replaced with new electric valves from inventory. Down time: 4.0 hours

2/20/94, Treatment Center, The autodialer was activated indicating a failure. A system inspection identified wet well pump No. 3 had shut down. The pump resumed normal operation after being reset. Down time: 1.0 Hr.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

2/22 - 25/94, Pumphouse B2, The pumphouse was shut down for well repairs. Repairs included test pumping the well, acidizing the well, jetting the well screen, redeveloping the well using the air lift method, reinstalling the pump and test pumping the well. Down Time: 80.0 Hrs.

2/25/94, Pumphouse B2, The flow meter was damaged and was replaced. Down Time: None.

Notes: March 1994

3/2/94, Pumphouse B2, The electric check valve strainer was clogged and the flow restrictor was inoperative. The strainer and flow restrictor were replaced. Down Time: 15.0 Hrs.
3/4/94, Treatment Center, The autodialer was activated indicating a failure of the TGRS system. The system was inspected and found to be in good working order. Down Time: None.

3/5/94, Pumphouse B7, The pumphouse B7 light on the Bldg. 116 extraction well monitoring panel was flashing. Pumphouse B7 was restarted and found to be in good working order. Down Time: 7.0 Hrs.

3/6/94, Pumphouse SC5, The pumphouse SC5 light on the Bldg. 116 extraction well monitoring panel was out. Inspection of pumphouse SC5 found that the low water level electrode connection to the water level sensing pump control board was loose. The connection was tightened and the well operated acceptably. Down Time: 26.0 Hrs.

3/9/94, Treatment Center, The PLC (system computer) was observed to momentarily shut down and restart several times within a three minute period. Trouble shooting was performed and no problem was found. Momentary loss of electrical service may have been the cause of the problem. Down Time: None.

3/12/94, Pumphouse B2, The pumphouse B2 light on the Bldg. 116 extraction well monitoring panel was flashing. Pumphouse B2 was restarted. Down Time: 20.0 Hrs.

3/12-13/94, Pumphouse B12, Pumphouse B12 light on the Bldg. 116 extraction well monitoring panel was flashing. The pumphouse was inspected. The 3-way solenoid valve (a component of the electric check valve) was replaced and the well restarted. Down Time 22.5 Hrs.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

3/15-23/94, Pumphouse B12, The pumphouse has been cycling, perhaps due to insufficient capacity of treatment center wet well pumps Nos. 1 or 2. A pump capacity test was performed on wet well pumps Nos. 1 and 2. Wet well pump tests indicate that pump output has decreased and vibration has increased. Down Time: None.

3/20/94, Pumphouse B11, The submersible pump is making noise. Down Time: None.

3/23/94, Treatment Center, Wet well pump #1 was replaced. Down Time: 7.0 Hrs.

3/23/94, Treatment Center, The air velocity damper for air stripping tower No. 3 began to rattle. The damper blades and shaft supports were severely worn. The blades and shafts were removed. Down Time: 7.0 Hrs.

3/31/94, Pumphouses SC 2,3,4,5, The pumphouses were shut down. FCC was working on the TCAAP electrical service. Down Time: 6.7 Hrs.

Notes: April 1994

4/5/94, Pumphouse SC2, The flow meter was replaced. Down Time: 0.5 Hrs.

4/6/94, Pumphouse SC2, The submersible pump and motor were replaced, and the riser pipe and check valve cleaned. Down Time: 7.0 Hrs.

4/11/94, Pumphouse B7, The pumphouse sample port piping connection to forcemain is leaking. Down Time: None.

4/13/94, Treatment Center, Electric check valve (ECV) No.2 was not fully open. Extraction wells B12 and B7 cycling due to high water level in wet wells no. 1 & 2. The pilot discharge piping for ECV's Nos. 1 & 2 was reconfigured to flow into wet wells Nos. 1 & 2. ECV Nos. 1 & 2 then lodged in the full open position. The operation of ECV Nos. 3 & 4 was then inspected. ECV No.3 operates slowly and requires service. ECV No. 4 is lodged in the full open position. A contractor was scheduled to make repairs. Down Time: 1.0 Hr.

4/14/94, Pumphouse B7, The pumphouse sample port piping was replaced with piping from inventory. Down Time: 1.0 Hr.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

4/14/94, Treatment Center, Electric check valves Nos. 1, 2 and 4 were dislodged and exercised. Electric check valve No. 3 solenoid was repaired. Down Time: None.

4/17/94, Treatment Center, At 4:20 p.m. the autodialer was activated. The auto-dialer was reset from home. Down Time: 12.0 Hrs.

4/18/94, Treatment Center, Wet well pump director No. 2 in failure mode #4, indicating the electric check valve did not open on pump start up. The pump director was reset and the pump was restarted. Down Time: 18.0 Hrs.

4/22/94, Pumphouse B1, The pumphouse flow rate has decreased. The submersible pump, check valve and 2 joints tubing were replaced. Down Time: 7.0 Hrs.

4/24/94, Pumphouse B6, The computer power supply module failed and was replaced. Repairs completed on 4/25/94. Pumphouse operated in "Hand" mode during repairs. Down Time: 1.0 Hr.

4/25/94, Pumphouse SC1. The phase controller failed due to lightening strike and was by-passed pending replacement. Down time: 6.0 Hrs.

4/26/94, Treatment Center, The autodialer was activated at 6:20 a.m. The system was inspected and no problem was found. Down Time: None.

4/29/94, Treatment Center, Flow meter No. 6 transducer failed. Repairs are scheduled. Down Time: 1.0 Hr.

Notes: May 1994

5/4/94, Treatment Center, Flow meter No. 6 transducer failed. Down Time: None.

5/5/94, Pumphouse B11 & B12, The decrease in flow rate is unexplained. Down Time: None.

5/6/94, Pumphouse B11 & B12, The decrease in flow rate is unexplained. Down Time: None.

5/9/94, Treatment Center, Electric check valve No. 1 closed without command and was reset immediately. Down Time: None.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

5/10/94, Treatment Center, Electric check valve No. 1 closed without command and was reset immediately. Down Time: None.

5/17/94, Treatment Center, Air stripping tower No. 1 blower fan belt failed and was replaced. Down Time: None.

5/18/94, Pumphouse B6, The pumphouse submersible pump and motor were pulled for repair. Down Time: 29.5 Hrs.

5/23/94, Pumphouse B7, The pumphouse electrical service connection failed. Repairs were completed on 5/24/94. Down Time: 9.0 Hrs.

5/23/94, Treatment Center, The autodialer was activated. Service staff responded and the system was inspected. No problem was found. Down Time: None.

5/27/94, Treatment Center, The autodialer was activated. Service staff responded and the system was inspected. No problem was found. Down Time: None.

5/29/94, Treatment Center, The autodialer was activated. Service staff responded and the system was inspected. No problem was found. Down Time: None.

5/31/94, Treatment Center, The autodialer was activated. Service staff responded and the system was inspected. No problem was found. Down Time: None.

Notes: June 1994

6/1-30/94, Treatment Center, Flow meter No. 6 is not operating. The meter manufacturer is fabricating a part for the meter. Down Time: None.

6/2/94, Pumphouse SC4, The flow meter was removed for inspection due to a decrease in flow volume. The meter was clogged with iron and was replaced with a rebuilt meter. Part of Annual Preventive Maintenance. Down Time: 0.75 Hrs.

6/2/94, Treatment Center, The auto-dialer was activated at 11:01 PM. Service staff responded and inspected the system. No problem was found. Down Time: None.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

6/7/94, Treatment Center, Electric check valve No. 4 was closing too slowly. The valve was serviced, including replacement of seals. Down Time: 4.0 Hrs.

6/9/94, TGRS, System shut down for inspection and cleaning of demister pads for air stripping towers Nos. 1, 2, 3 and 4 . This is part of Annual Preventive Maintenance. Down Time: 2.0 Hrs.

6/10 - 6/20, Pumphouse B12, The decrease in flow rate may have been the result of a clogged flow meter. Down Time: None.

6/13/94, Pumphouse B3, The exterior corner of the pumphouse was repaired. The damaged may have been caused by snow plowing operations. Down Time: None.

6/13/94, Treatment Center, Spauled sections of the inventory room floor were repaired. Down Time: None.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/14/94, Pumphouse SC2, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/14/94, Pumphouse SC3, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/14/94, Pumphouse SC5, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/16/94, TGRS, The system was shut down for repair of the flow meter located in the Snelling Ave. manhole. Down Time: 5.0 Hrs.

6/16/94, Pumphouse SC3, A 15 Amp. fuse in the 480 VAC disconnect failed. Down Time: 1.0 Hr.

6/18/94, Pumphouse B11, A 30 Amp fuse located in the 480 VAC service disconnect failed. Down Time: 2.5 Hrs.

6/18/94, Pumphouse B4, The pumphouse was sprayed with insecticide to kill ants. Down Time: None.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

6/18/94, Treatment Center, Electric check valve (ECV) no. 4 closed without command, mode failure light #5, causing wet well pump No. 4 to turn off. Wet well pump No.4 was restarted. Down Time: 2.5 Hrs.

6/20/94, Pumphouse B7, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/20/94, Pumphouse B12, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/23/94, Pumphouse B6, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/23/94, Pumphouse B10, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

6/28/94, Treatment Center, The auto-dialer was activated at 4:50 pm, 6:12 pm and 9:43 pm. Service staff responded and no problem was found. Down Time: None.

6/29/94, Treatment Center, The auto dialer was activated at 1:28 am, 3:04 am and 4:32 am. A 3-way solenoid valve was replaced on electric check valve no. 1. Down Time: None.

Notes: July 1994

7/1/94, Pumphouse B5, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

7/1/94, Pumphouse B9, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/5/94, Pumphouse B5, The submersible pump and motor were replaced. Down Time: 5.5 Hrs.

7/5/94, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, Repairs to pumphouse B5 required that overhead electrical service be disconnected to pumphouses B1, B2, B3, B4, B6, B8, B9 and B11. Down Time: 5.5 Hrs.

7/6/94, Treatment Center, The autodialer was activated. The system was inspected and no problem was found. Electrical difficulties elsewhere on TCAAP may have interrupted the electrical service to Building 116, causing the autodialer to be activated. Down Time: None.

7/7/94, Pumphouse SC1, The effluent pump was replaced. Down Time: None.

7/10/94, Pumphouse B11, The 480 VAC service disconnect switch enclosure failed and was replaced. Down Time: 0.5 Hrs.

7/11-20/94, TGRS, The TGRS was turned off 7/11@ 5:00 p.m. for completion of maintenance - painting and restarted 7/20 @ 11:30 a.m. Down Time: 210.5 Hrs.

7/20/94, Pumphouse B11, The pole mounted transformer by pumphouse B11 was leaking oil. A contractor inspected the transformer, identified a leaking bushing gasket and returned the transformer to service. A new gasket was ordered. Down Time: None, (TGRS down for maintenance-painting, waiting on paint to cure.)

7/20/94, Pumphouse B4, A 15 Amp. fuse in the 120/240 VAC disconnect switch enclosure failed and was replaced. Down Time: 0.5 Hrs.

7/20/94, Treatment Center Flow Meter No. 6, The transducer for flow meter no. 6 was replaced. Down Time: None.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

7/27/94, Treatment Center, Electric check valves (ECV) Nos. 1 & 2 are adjusted to the full open position. Building 116 potable water pressure is temporarily connected to ECVs Nos. 1 & 2 for use in controlling ECV operation. Down Time: None.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

7/29/94, Treatment Center, Electric check valve No. 3 closed without command causing wet well pump No. 3 to shut down and the extraction well field to cycle. Wet well pump No. 3 was restarted, electric check valve no. 3 opened and the well field stopped cycling. Down Time: 0.75 Hrs.

7/30/94, Pumphouse B1 & B4, The pumphouses are infested with ants. Down Time: None.

7/30/94, Pumphouse B4, The control section of the electric check valve was cleaned and the flow rate was adjusted. Down Time: None.

7/31/94, Treatment Center, Electric check valve No.4 closed without command and was reset. Down Time: None.

7/31/94, Treatment Center, Electric check valve (ECV) No. 1 was partially closed, restricting flow from wet well pump No. 1. The extraction well field was cycling. ECV No. 1 was adjusted to full open the position. The well field stopped cycling. Down Time: 1.5 Hrs.

Notes: August 1994

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

8/3/94, Treatment Center, The three-way solenoid valve was replaced on electric check valve No.2. Down Time: 2.0 Hrs.

8/3-17/94, Pumphouse B2, The cause for the reduction in flow rate during this period has not been identified. Down Time: None.

8/4/94, Treatment Center, The autodialer was activated. Service staff responded and inspected the system. No problem was found. Down Time: None.

8/9/94, TGRS, A new rubber bushing was installed in the pole mounted transformer near pumphouse B11. Down Time: 4.5 Hrs.

8/9/94, Forcemain, Clean and adjust the pilot on the Snelling Ave. back pressure valve. Down Time: None.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

8/10/94, Forcemain, Clean and adjust shut off pilot on altitude valve. Free stuck piston in altitude valve and exercise valve. Down Time: None.

8/11/94, Forcemain, Water and mud are removed from the Snelling Ave. manhole. The sump is cleaned and a filter is installed in the top of the sump. The manhole cover is taken off-site for installation of a gasket. Down Time: None.

8/11/94, Treatment Center, Remove temporary potable water connection to the control section of electric check valves Nos. 1 & 2 and replace with a permanent connection. A steel plate is placed over the manhole opening. Down Time: None.

8/11/94, TGRS, Scrap pipes, fittings, pumps, motors and a valve body placed in mixed metal dumpster at Bldg. 502. Down Time: None.

8/12/94, Forcemain, The manhole cover with seal is installed in the Snelling Ave. manhole. Down Time: None.

8/13/94, Pumphouses B1, B3 & B4, Spray insecticide on infested portions of pumphouses. Down Time: None.

8/17/94, Treatment Center, The autodialer was activated at 9:11 am, 10:04 am and 11:20 am. The system was inspected and no problem was found. Down Time: None.

8/24/94, Forcemain, Three holes were drilled in the Snelling Ave. manhole sump to allow drainage. A plastic cone for water collection was installed in the manhole frame. Down Time: None.

8/24/94, Forcemain, The altitude valve adjusted as requested by FCC. Down Time: None.

8/25/94, Pumphouse B4, Inoperative pressure gauge is removed and a new pressure gauge, Ashcroft 0-300 p.s.i. range, installed. Down Time: None.

8/31/94, Pumphouse B5 & B6, Pressure gauges are inaccurate. The gauges are removed and sent to vendor for repair. Down Time: None.

APPENDIX H.2

FY 1994 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

Notes: September 1994

9/3/94, Pumphouse B12, Counter/hour meter moved from PLC Panel in Building 116 to Pumphouse B12. Down Time: None.

9/4/94, Treatment Center, Timed wet well pumps Nos. 3 and 4. When operated by pump director units the electric check valves close in the following times: ECV No. 3 - 47 seconds; ECV No. 4 - 41 seconds. Down Time: None.

9/5/94, TGRS, Meter readings were not performed today due to Labor Day holiday. All readings are estimated. Down Time: None.

9/25/94, Pumphouses SC2, SC3, SC4, SC5, FCC is repairing the TCAAP electrical system. The power is down to pumphouses SC2, SC3, SC4 and SC5. Down Time: 9.0 Hrs.

9/30/94, Treatment Center, Flow meter No. 1 was inoperative. The inoperative flow meter was removed and a rebuilt flow meter was installed. Totalizer on rebuilt read: 078346000 at time of installation. Down Time: 0.5 Hrs.

Appendix H.3

1994 TGRS Events

APPENDIX H.3

1994 TGRS EVENTS

B1

10/05/93, Pumphouse B1, The 120/240 VAC fuse box was damaged by a lightning strike and was replaced. Down Time: 8.0 Hrs.

4/22/94, Pumphouse B1, The pumphouse flow rate has decreased. The submersible pump, check valve and 2 joints tubing were replaced. Down Time: 7.0 Hrs.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/5/94, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, Repairs to pumphouse B5 required that overhead electrical service be disconnected to pumphouses B1, B2, B3, B4, B6, B8, B9 and B11. Down Time: 5.5 Hrs.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

7/30/94, Pumphouse B1 & B4, The pumphouses are infested with ants. Down Time: None.

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

B2

10/15/93, Pumphouse B2, The well was shut down for cleaning of iron sludge from the pump and piping. Down Time: 72.0 Hrs.

1/26/94, Pumphouse B2, The submersible pump and motor were replaced. Down Time: 8.0 Hrs.

2/9/94, Pumphouse B2, The pumphouse flow rate has decreased. Troubleshooting continued with the replacement of the flow meter and inspection of the electric check valve. No problem was found with the meter or valve. Down Time: 1.0 Hr.

2/14-17/94, Pumphouse B2, The pump was pulled for inspection and a video camera was used to inspection the well casing and screen. Down Time: 4.0 Hrs.

2/22 - 25/94, Pumphouse B2, The pumphouse was shut down for well repairs. Repairs included test pumping the well, acidizing the well, jetting the well screen, redeveloping the well using the air lift method, reinstalling the pump and test pumping the well. Down Time: 80.0 Hrs.

2/25/94, Pumphouse B2, The flow meter was damaged and was replaced. Down Time: None.

3/2/94, Pumphouse B2, The electric check valve strainer was clogged and the flow restrictor was inoperative. The strainer and flow restrictor were replaced. Down Time: 15.0 Hrs.

3/12/94, Pumphouse B2, The pumphouse B2 light on the Bldg. 116 extraction well monitoring panel was flashing. Pumphouse B2 was restarted. Down Time: 20.0 Hrs.

B3

10/17-18/93, Pumphouse B3, The flow decreased during this period. The pumphouse was inspected, however the cause for the decrease in flow rate was not identified. Down Time: 23.0 Hrs.

6/13/94, Pumphouse B3, The exterior corner of the pumphouse was repaired. The damaged may have been caused by snow plowing operations. Down Time: None.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/5/94, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, Repairs to pumphouse B5 required that overhead electrical service be disconnected to pumphouses B1, B2, B3, B4, B6, B8, B9 and B11. Down Time: 5.5 Hrs.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

8/13/94, Pumphouses B1, B3 & B4, Spray insecticide on infested portions of pumphouses. Down Time: None.

B4

1/25/94, Pumphouse B4, The submersible pump and motor were replaced. Down Time: 7.5 Hrs.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/18/94, Pumphouse B4, The pumphouse was sprayed with insecticide to kill ants. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/5/94, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, Repairs to pumphouse B5 required that overhead electrical service be disconnected to pumphouses B1, B2, B3, B4, B6, B8, B9 and B11. Down Time: 5.5 Hrs.

7/20/94, Pumphouse B4, A 15 Amp. fuse in the 120/240 VAC disconnect switch enclosure failed and was replaced. Down Time: 0.5 Hrs.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

7/30/94, Pumphouse B1 & B4, The pumphouses are infested with ants. Down Time: None.

APPENDIX H.3

1994 TGRS EVENTS

B1

8/13/94, Pumphouses B1, B3 & B4, Spray insecticide on infested portions of pumphouses. Down Time: None.

B2

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/5/94, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, Repairs to pumphouse B5 required that overhead electrical service be disconnected to pumphouses B1, B2, B3, B4, B6, B8, B9 and B11. Down Time: 5.5 Hrs.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

8/3-17/94, Pumphouse B2, The cause for the reduction in flow rate during this period has not been identified. Down Time: None.

B3

B4

7/30/94, Pumphouse B4, The control section of the electric check valve was cleaned and the flow rate was adjusted. Down Time: None.

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

8/13/94, Pumphouses B1, B3 & B4, Spray insecticide on infested portions of pumphouses. Down Time: None.

8/25/94, Pumphouse B4, Inoperative pressure gauge is removed and a new pressure gauge, Ashcroft 0-300 p.s.i. range, installed. Down Time: None.

APPENDIX H.3

1994 TGRS EVENTS

B5

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/1/94, Pumphouse B5, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/5/94, Pumphouse B5, The submersible pump and motor were replaced. Down Time: 5.5 Hrs.

7/5/94, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, Repairs to pumphouse B5 required that overhead electrical service be disconnected to pumphouses B1, B2, B3, B4, B6, B8, B9 and B11. Down Time: 5.5 Hrs.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

8/31/94, Pumphouse B5 & B6, Pressure gauges are inaccurate. The gauges are removed and sent to vendor for repair. Down Time: None.

B6

10/25/93 Pumphouse B6, The transient surge protector was replaced. Down Time: 54.0 Hrs.

4/24/94, Pumphouse B6, The computer power supply module failed and was replaced. Repairs completed on 4/25/94. Pumphouse operated in "Hand" mode during repairs. Down Time: 1.0 Hr.

5/18/94, Pumphouse B6, The pumphouse submersible pump and motor were pulled for repair. Down Time: 29.5 Hrs.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/23/94, Pumphouse B6, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/5/94, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, Repairs to pumphouse B5 required that overhead electrical service be disconnected to pumphouses B1, B2, B3, B4, B6, B8, B9 and B11. Down Time: 5.5 Hrs.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

B7

12/07/93, Pumphouse B7, The pumphouse was shut down for painting. Down Time: 24.0 Hrs.

12/17/93, Pumphouse B7, The flow meter was clogged with iron sludge and was replaced. Down Time: 0.5 Hrs.

1/25/94, Pumphouse B7, A rodent had chewed through the data cables for pumphouses B7 and B12. The cables were repaired. Down Time: None.

3/5/94, Pumphouse B7, The pumphouse B7 light on the Bldg. 116 extraction well monitoring panel was flashing. Pumphouse B7 was restarted and found to be in good working order. Down Time: 7.0 Hrs.

4/11/94, Pumphouse B7, The pumphouse sample port piping connection to forcemain is leaking. Down Time: None.

4/14/94, Pumphouse B7, The pumphouse sample port piping was replaced with piping from inventory. Down Time: 1.0 Hr.

5/23/94, Pumphouse B7, The pumphouse electrical service connection failed. Repairs were completed on 5/24/94. Down Time: 9.0 Hrs.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/20/94, Pumphouse B7, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

B8

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/5/94, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, Repairs to pumphouse B5 required that overhead electrical service be disconnected to pumphouses B1, B2, B3, B4, B6, B8, B9 and B11. Down Time: 5.5 Hrs.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

B5	B6	B7	B8
	8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs. 8/31/94, Pumphouse B5 & B6, Pressure gauges are inaccurate. The gauges are removed and sent to vendor for repair. Down Time: None.	7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None. 7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None. 8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.	

APPENDIX H.3

1994 TGRS EVENTS

B9

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/1/94, Pumphouse B9, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/5/94, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, Repairs to pumphouse B5 required that overhead electrical service be disconnected to pumphouses B1, B2, B3, B4, B6, B8, B9 and B11. Down Time: 5.5 Hrs.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

B10

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/23/94, Pumphouse B10, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

B11

11/6-7/93, Pumphouse B11, The pumphouse is shut down for application of paint test patches. Down Time: 53.0 Hrs.

12/17/93, Pumphouse B11, The flow meter was clogged with iron sludge and was replaced. Down Time: 0.5 Hrs.

3/20/94, Pumphouse B11, The submersible pump is making noise. Down Time: None.

5/5/94, Pumphouse B11 & B12, The decrease in flow rate is unexplained. Down Time: None.

5/6/94, Pumphouse B11 & B12, The decrease in flow rate is unexplained. Down Time: None.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/18/94, Pumphouse B11, A 30 Amp fuse located in the 480 VAC service disconnect failed. Down Time: 2.5 Hrs.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/5/94, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, Repairs to pumphouse B5 required that overhead electrical service be disconnected to pumphouses B1, B2, B3, B4, B6, B8, B9 and B11. Down Time: 5.5 Hrs.

B12

1/22/94, Pumphouse B12, The pumphouse is not operating and trouble shooting is being performed. Down Time: 7.5 Hrs.

1/24/94, Pumphouse B12, A faulty starter component was identified and replaced on 1/25/94. The pump was restarted on 1/25/94. Down Time: 54.2 Hrs.

1/25/94, Pumphouse B7, A rodent had chewed through the data cables for pumphouses B7 and B12. The cables were repaired. Down Time: None.

3/12-13/94, Pumphouse B12, Pumphouse B12 light on the Bldg. 116 extraction well monitoring panel was flashing. The pumphouse was inspected. The 3-way solenoid valve (a component of the electric check valve) was replaced and the well restarted. Down Time 22.5 Hrs.

3/15-23/94, Pumphouse B12, The pumphouse has been cycling, perhaps due to insufficient capacity of treatment center wet well pumps Nos. 1 or 2. A pump capacity test was performed on wet well pumps Nos. 1 and 2. Wet well pump tests indicate that pump output has decreased and vibration has increased. Down Time: None.

5/5/94, Pumphouse B11 & B12, The decrease in flow rate is unexplained. Down Time: None.

5/6/94, Pumphouse B11 & B12, The decrease in flow rate is unexplained. Down Time: None.

6/10 - 6/20, Pumphouse B12, The decrease in flow rate may have been the result of a clogged flow meter. Down Time: None.

APPENDIX H.3

1994 TGRS EVENTS

B9

B10

B11

7/10/94, Pumphouse B11, The 480 VAC service disconnect switch enclosure failed and was replaced. Down Time: 0.5 Hrs.

7/20/94, Pumphouse B11, The pole mounted transformer by pumphouse B11 was leaking oil. A contractor inspected the transformer, identified a leaking bushing gasket and returned the transformer to service. A new gasket was ordered. Down Time: None. (TGRS down for maintenance-painting, waiting on paint to cure.)

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

B12

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/20/94, Pumphouse B12, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

8/2/94, Pumphouses B1 - B12, TCAAP electrical service was down for repair. Down Time 1.5 Hrs.

9/3/94, Pumphouse B12, Counter/hour meter moved from PLC Panel in Building 116 to Pumphouse B12. Down Time: None.

APPENDIX H.3

1994 TGRS EVENTS

SC1

10/19/93, Pumphouse SC1, Completed repairs to bulding heater. Down Time: None.

4/25/94, Pumphouse SC1. The phase controller failed due to a lightening strike and was by-passed pending replacement. Down Time: 6.0 Hrs.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/7/94, Pumphouse SC1, The effluent pump was replaced. Down Time: None.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

SC2

10/06/93, Pumphouse SC2, Repairs to pumphouse SC3 required electric service turned off to pumphouses SC2 and SC3. Down Time: 8.0 Hrs.

10/06/93, Pumphouse SC2, The flow meter failed and was replaced with a flow meter from inventory. Down Time: None.

10/15/93, Pumphouse SC2, The well was shut down for cleaning of iron sludge from the pump and piping. Down Time: 72.0 Hrs.

3/31/94, Pumphouses SC 2,3,4,5, The pumphouses were shut down. FCC was working on the TCAAP electrical service. Down Time: 6.7 Hrs.

4/5/94, Pumphouse SC2, The flow meter was replaced. Down Time: 0.5 Hrs.

4/6/94, Pumphouse SC2, The submersible pump and motor were replaced, and the riser pipe and check valve cleaned. Down Time: 7.0 Hrs.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/14/94, Pumphouse SC2, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

SC3

10/06/93, Pumphouse SC3, The submersible pump was replaced with a new pump from inventory. Down Time: 8.0 Hrs.

10/14/93, Pumphouse SC3, A crow landed on two of the power lines serving the pumphouse. The lines shorted and two fuses on the TCAAP electrical system blew. FCC performed repairs. Down Time: 22.5 Hrs.

3/31/94, Pumphouses SC 2,3,4,5, The pumphouses were shut down. FCC was working on the TCAAP electrical service. Down Time: 6.7Hrs.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/14/94, Pumphouse SC3, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/16/94, Pumphouse SC3, A 15 Amp. fuse in the 480 VAC disconnect failed. Down Time: 1.0 Hr.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

SC4

3/31/94, Pumphouses SC 2,3,4,5, The pumphouses were shut down. FCC was working on the TCAAP electrical service. Down Time: 6.7Hrs.

6/2/94, Pumphouse SC4, The flow meter was removed for inspection due to a decrease in flow volume. The meter was clogged with iron and was replaced with a rebuilt meter. Part of Annual Preventive Maintenance. Down Time: 0.75 Hrs.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

9/25/94, Pumphouses SC2, SC3, SC4, SC5, FCC is repairing the TCAAP electrical system. The power is down to pumphouses SC2, SC3, SC4 and SC5. Down Time: 9.0 Hrs.

APPENDIX H.3

1994 TGRS EVENTS

SC1	*SC2*	*SC3*	*SC4*
	7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.	9/25/94, Pumphouses SC2, SC3, SC4, SC5, FCC is repairing the TCAAP electrical system. The power is down to pumphouses SC2, SC3, SC4 and SC5. Down Time: 9.0 Hrs.	
	7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.		
	9/25/94, Pumphouses SC2, SC3, SC4, SC5, FCC is repairing the TCAAP electrical system. The power is down to pumphouses SC2, SC3, SC4 and SC5. Down Time: 9.0 Hrs.		

APPENDIX H.3

1994 TGRS EVENTS

SC5

3/6/94, Pumphouse SC5, The pumphouse SC5 light on the Bldg. 116 extraction well monitoring panel was out. Inspection of pumphouse SC5 found that the low water level electrode connection to the water level sensing pump control board was loose. The connection was tightened and the well operated acceptably. Down Time: 26.0 Hrs.

3/31/94, Pumphouses SC 2,3,4,5, The pumphouses were shut down. FCC was working on the TCAAP electrical service. Down Time: 6.7Hrs.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/14/94, Pumphouse SC5, The flow meter was replaced with a rebuilt and recalibrated meter. This is part of Annual Preventive Maintenance. Down Time: None.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

7/24-27/94, Pumphouses B1-B12, SC1 -SC5, The extraction well field is cycling. Down Time: None.

Treatment Center/Forcemain

10/02/93, Treatment Center Flow Meter No. 6, The flow meter transducer impeller failed and will be replaced. Down Time: None.

10/14/93, Treatment Center Wet Well Pump No. 1, The heaters (a type of fusing) for wet well pump No. 1 tripped and the autodialer was activated. Service staff responded to the call from the autodialer. The heaters were reset and the pump restarted. Down Time: 1.5 Hrs.

10/15/93, Treatment Center Flow Meter No. 6, The flow meter transducer failed and was replaced. Down Time: 2.5 Hrs.

10/23/93, TGRS, Electrical maintenance to Buildings 105 and 116 was performed which necessitated that electrical service to the TGRS be turned off. Down Time: 14.0 Hrs.

10/26/93, TGRS, System maintenance painting begins. All or portions of the system will be shut down as needed. Down Time: NA.

10/28/93, TGRS, The system is down for painting. Down Time: 4.0 Hrs.

10/30/93, TGRS, The system is down for painting. Down Time: 22.0 Hrs.

11/5/93, TGRS, The system is down for painting. Down Time: 8.0 Hrs.

11/8-24/93, TGRS, The system was shut down at 8:30 a.m. on 11/8/93 and restarted at 1:30 p.m. on 11/24/93. Down Time: 389.5 Hrs.

11/25/93 TGRS, Meter faces were covered to protect them during painting. When it was not possible to read a meter, the meter reading was estimated. Down Time: None.

11/8-24/93, TGRS, Throughout the month the roof to the TGRS treatment was repaired for leaks. Down Time: 0.0 Hrs.

11/1-30/93, Treatment Center Flow Meter No. 6, The flow meter transducer failed and parts have been ordered. This meter is not used to determine treatment center capacity, but is for process control only. Down Time: None.

12/01-12/93, TGRS, The system was restarted after being shut down for painting. The flow rates are somewhat erratic after start up as the system is being balanced. Down Time: None.

12/7/93, Treatment Center Flow Meter No. 6, A rebuilt flow meter transducer was installed. Down Time: None.

12/15-16/93, TGRS, The system was down for repair to the programmable logic controller. Down Time: 33.0 Hrs.

12/29/93, Treatment Center Wet Well Pump No. 3, The pump is not operating. Repair subcontractors contacted. Down Time: 4.0 Hrs.

12/30/93, Treatment Center Wet Well Pump No. 3, The pump is operating intermittently. Trouble shooting of the problem is continuing. Down Time: None.

1/13/94, Treatment Center Air Stripping Tower No. 4, The air metering station appears to be operating improperly. Repairs are scheduled. Down Time: None.

1/21/94, Treatment Center Wet Well Pump No. 3, The low water level float switch was replaced. Down Time: 1.0 Hr.

APPENDIX H.3

1994 TGRS EVENTS

SC5

9/25/94, Pumphouses SC2, SC3, SC4, SC5, FCC is repairing the TCAAP electrical system. The power is down to pumphouses SC2, SC3, SC4 and SC5. Down Time: 9.0 Hrs.

Treatment Center/Forcemain

1/22/94, Treatment Center, Drain pipes for wet well pumps Nos. 1 & 2 were repaired. Down Time: None.

1/23/94, Treatment Center Electric Check Valve No. 1, The valve closed without command causing wet well pump No. 1 to shut down and the well field to cycle. The valve was reset and the pump started. Down Time: 18.0 Hrs.

1/27-29/94, TGRS, The pumphouses were not accessible due to a snow storm on 1/27/94. Plowing operations were completed on 1/30/94. Down Time: None.

2/18/94, Treatment Center, Electrical check valves Nos. 2 and 3 were removed and replaced with new electric valves from inventory. Down time: 4.0 hours.

2/20/94, Treatment Center, The autodialer was activated indicating a failure. A system inspection identified wet well pump No. 3 had shut down. The pump resumed normal operation after being reset. Down time: 1.0 Hr.

3/4/94, Treatment Center, The autodialer was activated indicating a failure of the TGRS system. The system was inspected and found to be in good working order. Down Time: None.

3/9/94, Treatment Center, The PLC (system computer) was observed to momentarily shut down and restart several times within a three minute period. Trouble shooting was performed and no problem was found. Momentary loss of electrical service may have been the cause of the problem. Down Time: None.

3/23/94, Treatment Center, Wet well pump #1 was replaced. Down Time: 7.0 Hrs.

3/23/94, Treatment Center, The air velocity damper for air stripping tower No. 3 began to rattle. The damper blades and shaft supports were severely worn. The blades and shafts were removed. Down Time: 7.0 Hrs.

4/13/94, Treatment Center, Electric check valve (ECV) No.2 was not fully open. Extraction wells B12 and B7 cycling due to high water level in wet wells no. 1 & 2. The pilot discharge piping for ECV's Nos. 1 & 2 was reconfigured to flow into wet wells Nos. 1 & 2. ECV Nos. 1 & 2 then lodged in the full open position. The operation of ECV Nos. 3 & 4 was then inspected. ECV No.3 operates slowly and requires service. ECV No. 4 is lodged in the full open position. A contractor was scheduled to make repairs. Down Time: 1.0 Hr.

4/14/94, Treatment Center, Electric check valves Nos. 1, 2 and 4 were dislodged and exercised. Electric check valve No. 3 solenoid was repaired. Down Time: None.

4/17/94, Treatment Center, At 4:20 p.m. the autodialer was activated. The auto-dialer was reset from home. Down Time: 12.0 Hrs.

4/18/94, Treatment Center, Wet well pump director No. 2 in failure mode #4, indicating the electric check valve did not open on pump start up. The pump director was reset and the pump was restarted. Down Time: 18.0 Hrs.

4/26/94, Treatment Center, The autodialer was activated at 6:20 a.m. The system was inspected and no problem was found. Down Time: None.

4/29/94, Treatment Center, Flow meter No. 6 transducer failed. Repairs are scheduled. Down Time: 1.0 Hr.

5/4/94, Treatment Center, Flow meter No. 6 transducer failed. Down Time: None.
5/9/94, Treatment Center, Electric check valve No. 1 closed without command and was reset immediately. Down Time: None.

5/10/94, Treatment Center, Electric check valve No. 1 closed without command and was reset immediately. Down Time: None.

APPENDIX H.3

1994 TGRS EVENTS

SC5

Treatment Center/Forcemain

5/17/94, Treatment Center, Air stripping tower No. 1 blower fan belt failed and was replaced. Down Time: None.

5/23/94, Treatment Center, The autodialer was activated. Service staff responded and the system was inspected. No problem was found. Down Time: None.
5/27/94, Treatment Center, The autodialer was activated. Service staff responded and the system was inspected. No problem was found. Down Time: None.

5/29/94, Treatment Center, The autodialer was activated. Service staff responded and the system was inspected. No problem was found. Down Time: None.

5/31/94, Treatment Center, The autodialer was activated. Service staff responded and the system was inspected. No problem was found. Down Time: None.

6/1-30/94, Treatment Center, Flow meter No. 6 is not operating. The meter manufacturer is fabricating a part for the meter. Down Time: None.

6/2/94, Treatment Center, The auto-dialer was activated at 11:01 p.m. Service staff responded and inspected the system. No problem was found. Down Time: None.

6/7/94, Treatment Center, Electric check valve No. 4 was closing too slowly. The valve was serviced, including replacement of seals. Down Time: 4.0 Hrs.

6/9/94, TGRS, System shut down for inspection and cleaning of demister pads for air stripping towers Nos. 1, 2, 3 and 4 . This is part of Annual Preventive Maintenance. Down Time: 2.0 Hrs.

6/13/94, Treatment Center, Spauled sections of the inventory room floor were repaired. Down Time: None.

6/13/94, Pumphouses and Treatment Center structures inspected by subcontractor. This is part of Annual Preventive Maintenance. Down Time: None.

6/16/94, TGRS, The system was shut down for repair of the flow meter located in the Snelling Ave. manhole. Down Time: 5.0 Hrs.

6/18/94, Treatment Center, Electric check valve (ECV) no. 4 closed without command, mode failure light #5, causing wet well pump No. 4 to turn off. Wet well pump No. 4 was restarted. Down Time: 2.5 Hrs.

6/25/94, Pumphouses and Treatment Center, Meter readings are estimated. The daily inspection was not performed. Down Time: None.

6/28/94, Treatment Center, The auto-dialer was activated at 4:50 p.m., 6:12 p.m. and 9:43 p.m. Service staff responded and no problem was found. Down Time: None.

6/29/94, Treatment Center, The auto dialer was activated at 1:28 a.m., 3:04 a.m. and 4:32 a.m. A 3-way solenoid valve was replaced on electric check valve no. 1. Down Time: None.

7/3-4/94, Pumphouses & Treatment Center, The maintenance staff performing the daily inspection and meter reading was delayed while reading meters. The delay caused the flow rates to appear to increase or decrease. Down Time: None.

SC5

Treatment Center/Forcemain

7/6/94, Treatment Center, The autodialer was activated. The system was inspected and no problem was found. Electrical difficulties elsewhere on TCAAP may have interrupted the electrical service to Building 116, causing the autodialer to be activated. Down Time: None.

7/11-20/94, TGRS, The TGRS was turned off 7/11@ 5:00 p.m. for completion of maintenance - painting and restarted 7/20 @ 11:30 a.m. Down Time: 210.5 Hrs.

7/20/94, Treatment Center Flow Meter No. 6, The transducer for flow meter no. 6 was replaced. Down Time: None.

7/27/94, Treatment Center, Electric check valves (ECV) Nos. 1 & 2 are adjusted to the full open position. Building 116 potable water pressure is temporarily connected to ECVs Nos. 1 & 2 for use in controlling ECV operation. Down Time: None.

7/29/94, Treatment Center, Electric check valve No. 3 closed without command causing wet well pump No. 3 to shut down and the extraction well field to cycle. Wet well pump No. 3 was restarted, electric check valve no. 3 opened and the well field stopped cycling. Down Time: 0.75 Hrs.

7/31/94, Treatment Center, Electric check valve No.4 closed without command and was reset. Down Time: None.

7/31/94, Treatment Center, Electric check valve (ECV) No. 1 was partially closed, restricting flow from wet well pump No. 1. The extraction well field was cycling. ECV No. 1 was adjusted to full open the position. The well field stopped cycling. Down Time: 1.5 Hrs.

8/3/94, Treatment Center, The three-way solenoid valve was replaced on electric check valve No.2. Down Time: 2.0 Hrs.

8/4/94, Treatment Center, The autodialer was activated. Service staff responded and inspected the system. No problem was found. Down Time: None.

8/9/94, TGRS, A new rubber bushing was installed in the pole mounted transformer near pumphouse B11. Down Time: 4.5 Hrs.

8/9/94, Forcemain, Clean and adjust the pilot on the Snelling Ave. back pressure valve. Down Time: None.

8/10/94, Forcemain, Clean and adjust shut off pilot on altitude valve. Free stuck piston in altitude valve and exercise valve. Down Time: None.

8/11/94, Forcemain, Water and mud are removed from the Snelling Ave. manhole. The sump is cleaned and a filter is installed in the top of the sump. The manhole cover is taken off-site for installation of a gasket. Down Time: None.

8/11/94, Treatment Center, Remove temporary potable water connection to the control section of electric check valves Nos. 1 & 2 and replace with a permanent connection. A steel plate is placed over the manhole opening. Down Time: None.

8/11/94, TGRS, Scrap pipes, fittings, pumps, motors and a valve body placed in mixed metal dumpster at Bldg. 502. Down Time: None.

8/12/94, Forcemain, The manhole cover with seal is installed in the Snelling Ave. manhole. Down Time: None.

8/17/94, Treatment Center, The autodialer was activated at 9:11 am, 10:04 am and 11:20 am. The system was inspected and no problem was found. Down Time: None.

8/24/94, Forcemain, Three holes were drilled in the Snelling Ave. manhole sump to allow drainage. A plastic cone for water collection was installed in the manhole frame. Down Time: None.

APPENDIX H.3

1994 TGRS EVENTS

SC5 *Treatment Center/Forcemain*

8/24/94, Forcemain, The altitude valve adjusted as requested by FCC. Down Time: None.

9/4/94, Treatment Center, Timed wet well pumps Nos. 3 and 4. When operated by pump director units the electric check valves close in the following times: ECV No. 3 - 47 seconds; ECV No. 4 - 41 seconds. Down Time: None.

9/5/94, TGRS, Meter readings were not performed today due to Labor Day holiday. All readings are estimated. Down Time: None.

9/30/94, Treatment Center, Flow meter No. 1 was inoperative. The inoperative flow meter was removed and a rebuilt flow meter was installed. Totalizer on rebuilt read: 078346000 at time of installation. Down Time: 0.5 Hrs.

Appendix H.4

Site K Operational Data

BLDG 103 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: OCTOBER 1993

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
09/30/93	3996879	0	
10/01/93	3998676	1797	
10/04/93	4003312	4636	CLEANED FLOWMETER
10/05/93	4005000	1688	
10/06/93	4006564	1564	
10/07/93	4008544	1980	
10/08/93	4010305	1761	
10/11/93	4014998	4693	CLEANED FLOWMETER
10/12/93	4015011	13	FLOWMETER STUCK
10/13/93	4015271	260	FLOWMETER STUCK
10/14/93	4017120	1849	
10/15/93	4019022	1902	
10/18/93	4023323	4301	CLEANED FLOWMETER
10/19/93	4025086	1763	
10/20/93	4025547	461	FLOWMETER STUCK
10/21/93	4027402	1855	
10/22/93	4029255	1853	
10/25/93	4033346	4091	FLOWMETER STUCK/CLEANED
10/26/93	4033416	70	FLOWMETER STUCK
10/27/93	4035183	1767	
10/28/93	4036807	1624	
10/29/93	4038344	1537	
TOTAL		41465	

MAINTENANCE FOR THE MONTH OF OCTOBER: THE GROUNDWATER RECHARGE SYSTEM WAS CHECKED TO VERIFY PROPER OPERATION. AT THAT TIME, IT WAS DISCOVERED THAT THE REMOTE READOUT METER WAS NOT WORKING. REPAIRS WERE MADE.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 472,490 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: NOVEMBER 1993

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
10/29/93	4038344	0	
11/01/93	4043770	5426	CLEANED FLOWMETER
11/02/93	4045520	1750	
11/03/93	4047271	1751	
11/04/93	4048932	1661	
11/05/93	4050706	1774	
11/08/93	4054984	4278	CLEANED FLOWMETER
11/09/93	4055126	142	FLOWMETER STUCK
11/10/93	4056535	1409	
11/11/93	4057831	1296	DOWN FOR MAINT & REPAIRS
11/12/93	4058900	1069	
11/15/93	4064567	5667	
11/16/93	4066532	1965	
11/17/93	4068410	1878	
11/18/93	4070161	1751	
11/19/93	4072281	2120	
11/22/93	4076912	4631	CLEANED FLOWMETER
11/23/93	4078785	1873	
11/24/93	4080826	2041	
11/29/93	4091106	10280	
11/30/93	4092882	1776	
	TOTAL	54538	

MAINTENANCE FOR THE MONTH OF NOVEMBER: THE GROUNDWATER TREATMENT SYSTEM WAS DOWN ON NOVEMBER 11 TO CHANGE THE PACKING, CLEAN PIPING, & REPAIR THE FLOWMETER.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 552,380 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: DECEMBER 1993

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
11/30/93	4092882	0	
12/01/93	4094715	1833	
12/02/93	4096109	1394	FLOWMETER ACCUM. STUCK
12/03/93	4097821	1712	
12/06/93	4103347	5526	
12/07/93	4105038	1691	
12/08/93	4106801	1763	
12/09/93	4108171	1370	
12/10/93	4110078	1907	
12/13/93	4110415	337	FLOWMETER STUCK/CLEANED
12/14/93	4112223	1808	
12/15/93	4114173	1950	
12/16/93	4115813	1640	FLOWMETER STUCK
12/17/93	4117384	1571	
12/20/93	4117914	530	FLOWMETER STUCK/CLEANED
12/21/93	4117936	22	CLEANED FLOWMETER
12/22/93	4118003	67	FLOWMETER STUCK/CLEANED
12/23/93	4119779	1776	
12/28/93	4123479	3700	FLOWMETER FROZE
12/30/93	4123481	2	FLOWMETER STUCK/CLEANED
	TOTAL	30599	

MAINTENANCE FOR THE MONTH OF DECEMBER: THE FLOWMETER PADDLES HAVE FREQUENTLY BEEN FOUND STUCK THIS MONTH DUE TO A SMALL AMOUNT OF SAND IN THE INFLUENT LINE. AN ATTEMPT WAS MADE TO REMOVE THE SAND.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 525,907 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: JANUARY 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
12/30/93	4123481	0	
1/3/94	4126109	2628	FLOWMETER STUCK / CLEANED
1/4/94	4127765	1656	
1/5/94	4129503	1738	
1/6/94	4131357	1854	
1/7/94	4133090	1733	
1/10/94	4137491	4401	CLEANED FLOWMETER
1/11/94	4139220	1729	
1/12/94	4140721	1501	BLOWER MOTOR REPLACED
1/13/94	4141362	641	FLOWMETER STUCK / CLEANED
1/14/94	4142322	960	
1/17/94	4146585	4263	
1/18/94	4148486	1901	
1/19/94	4149785	1299	
1/20/94	4151190	1405	
1/21/94	4152593	1403	CLEANED FLOWMETER
1/24/94	4154894	2301	
1/25/94	4155061	167	FLOWMETER STUCK – CALCIUM
1/26/94	4155949	888	DEPOSITS IN INFLUENT WATER.
1/27/94	4155949	0	UNABLE TO REMOVE ALL OF THEM.
1/28/94	4156121	172	FLOWMETER STUCK / CLEANED
1/31/94	4157590	1469	FLOWMETER STUCK / CLEANED
	TOTAL	34109	

MAINTENANCE FOR THE MONTH OF JANUARY: THE BLOWER MOTOR BEARINGS FAILED ON THE 13TH. THE MOTOR WAS REPLACED THE SAME DAY. CALCIUM DEPOSITS FROM THE SUMP AREA AND INFLUENT LINE HAVE BROKEN OFF AND ARE CAUSING THE FLOWMETER TO OPERATE INFREQUENTLY. WE ARE ATTEMPTING TO RECEIVE PERMISSION FROM THE MWCC TO PUMP THE SUMP AREA TO REMOVE THIS BUILD-UP AND DISPOSE OF THAT WATER THROUGH THE SANITARY SEWER SYSTEM.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 492,164 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: FEBRUARY 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
01/31/94	4157590	0	FLOWMETER STUCK
02/01/94	4157590	0	FLOWMETER STUCK
02/02/94	4157997	407	FLOWMETER STUCK / CLEANED
02/03/94	4159265	1268	
02/04/94	4159361	96	FLOWMETER STUCK / CLEANED
02/07/94	4159505	144	FLOWMETER STUCK / CLEANED
02/08/94	4160424	919	
02/09/94	4161267	843	FLOWMETER STUCK / CLEANED
02/10/94	4161605	338	FLOWMETER STUCK / CLEANED
02/11/94	4162498	893	FLOWMETER STUCK / CLEANED
02/14/94	4165340	2842	TOWER PACKING CHANGED
02/15/94	4166798	1458	
02/16/94	4168064	1266	
02/18/94	4171210	3146	
02/21/94	4175046	3836	
02/22/94	4175960	914	
02/23/94	4176706	746	
02/24/94	4177879	1173	
02/25/94	4179002	1123	
02/28/94	4182065	3063	
	TOTAL	24475	

MAINTENANCE FOR THE MONTH OF FEBRUARY: THE TOWER PACKING WAS REPLACED ON THE 14TH.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 306,550 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
WATER METER READING LOG
FOR THE MONTH OF: MARCH 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
02/28/94	4182065	0	
03/01/94	4183148	1083	
03/02/94	4184296	1148	
03/03/94	4185181	885	
03/04/94	4186339	1158	
03/07/94	4188189	1850	
03/08/94	4189282	1093	
03/09/94	4190244	962	
03/10/94	4191203	959	
03/11/94	4192403	1200	
03/14/94	4195604	3201	
03/15/94	4196730	1126	
03/16/94	4197913	1183	
03/17/94	4199206	1293	
03/18/94	4200458	1252	
03/21/94	4204134	3676	
03/22/94	4205604	1470	
03/23/94	4206109	505	METER ACCUMULATOR STUCK
03/24/94	4207115	1006	
03/25/94	4208618	1503	
03/28/94	4209414	796	
03/29/94	4209418	4	FLOWMETER STUCK / CLEANED
03/30/94	4210645	1227	
03/31/94	4211944	1299	
	TOTAL	29879	

MAINTENANCE FOR THE MONTH OF MARCH: NONE

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 340,690 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: APRIL 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
03/31/94	4211944	0	
04/04/94	4216532	4588	
04/05/94	4217885	1353	
04/06/94	4219249	1364	
04/07/94	4220521	1272	
04/08/94	4222009	1488	
04/11/94	4226106	4097	CLEANED FLOWMETER
04/12/94	4227422	1316	FLOWMETER STUCK / CLEANED
04/13/94	4228979	1557	
04/14/94	4230238	1259	FLOWMETER STUCK – UNABLE
04/15/94	4230238	0	TO KEEP CLEAN.
04/18/94	4234615	4377	
04/19/94	4236270	1655	
04/20/94	4236533	263	FLOWMETER STUCK / CLEANED
04/21/94	4237966	1433	
04/22/94	4238907	941	FLOWMETER STUCK / CLEANED
04/25/94	4239012	105	
04/26/94	4240455	1443	
04/27/94	4241938	1483	
04/28/94	4243223	1285	
04/29/94	4244578	1355	
	TOTAL	32634	

MAINTENANCE FOR THE MONTH OF APRIL: THE COLLECTION SUMP WAS PUMPED ON THE 14TH TO CLEAN OUT ACCUMULATED IRON AND HARDNESS PRECIPITATES FROM THE BOTTOM OF THE SUMP. THE AGITATION OF THE PRECIPITATES CAUSED THE FLOW-METER TO REPEATEDLY BECOME STUCK.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 353,210 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: MAY 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
04/29/94	4244578	0	
05/02/94	4248212	3634	
05/03/94	4249328	1116	CLEANED FLOWMETER
05/04/94	4250670	1342	
05/05/94	4251878	1208	
05/06/94	4253087	1209	
05/09/94	4256555	3468	
05/10/94	4256669	114	FLOWMETER STUCK / CLEANED
05/11/94	4256704	35	FLOWMETER STUCK / CLEANED
05/12/94	4258020	1316	
05/13/94	4259296	1276	
05/16/94	4262844	3548	CLEANED FLOWMETER
05/17/94	4264193	1349	
05/18/94	4265379	1186	
05/19/94	4266719	1340	
05/20/94	4267570	851	SYSTEM DOWN FOR MAINT
05/23/94	4272700	5130	
05/24/94	4274873	2173	
05/25/94	4277133	2260	
05/26/94	4279488	2355	
05/27/94	4281148	1660	
	TOTAL	36570	

MAINTENANCE FOR THE MONTH OF MAY: THE PUMP WAS PULLED AND CLEANED, THE THE LEVEL SENSORS CHECKED, ALL PIPING CLEANED, AND THE TOWER PACKING WAS REPLACED ON MAY 20.

ON MAY 18, IT WAS DISCOVERED THAT THE REMOTE READOUT METER ON THE RECHARGE FLOWMETER WAS NOT WORKING. AN INVESTIGATION IS UNDERWAY TO DETERMINE THE CAUSE.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 387,250 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: JUNE 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
05/27/94	4281148	0	
06/01/94	4290333	9185	CLEANED FLOWMETER
06/02/94	4291843	1510	
06/06/94	4298632	6789	
06/07/94	4300202	1570	
06/08/94	4301779	1577	
06/09/94	4303420	1641	
06/10/94	4305124	1704	
06/13/94	4308960	3836	FLOWMETER STUCK / CLEANED
06/14/94	4310676	1716	
06/15/94	4312422	1746	
06/16/94	4313777	1355	
06/17/94	4315613	1836	
06/20/94	4316102	489	FLOWMETER STUCK / CLEANED
06/21/94	4316109	7	FLOWMETER STUCK
06/22/94	4317785	1676	
06/23/94	4319456	1671	
06/24/94	4320807	1351	
06/27/94	4321253	446	FLOWMETER STUCK
06/28/94	4321260	7	FLOWMETER STUCK / CLEANED
06/29/94	4322921	1661	
06/30/94	4324838	1917	
	TOTAL	43690	

MAINTENANCE FOR THE MONTH OF JUNE: NONE

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 571,650 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: JULY 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
06/30/94	4324838	0	
07/01/94	4326561	1723	
07/07/94	4330018	3457	FLOWMETER STUCK / CLEANED
07/08/94	4331823	1805	
07/11/94	4337520	5697	
07/12/94	4337629	109	FLOWMETER STUCK / CLEANED
07/13/94	4338527	898	
07/14/94	4339451	924	
07/15/94	4341017	1566	
07/18/94	4341107	90	FLOWMETER STUCK / CLEANED
07/19/94	4341136	29	FLOWMETER STUCK / CLEANED
07/20/94	4343289	2153	
07/21/94	4345301	2012	
07/25/94	4352086	6785	CLEANED FLOWMETER
07/26/94	4353399	1313	
07/27/94	4355133	1734	
07/28/94	4356547	1414	
07/29/94	4358007	1460	
	TOTAL	33169	

MAINTENANCE FOR THE MONTH OF JULY: NONE

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 393,327 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: AUGUST 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
07/29/94	4358007	0	
08/01/94	4362041	4034	
08/02/94	4363124	1083	
08/03/94	4364363	1239	
08/04/94	4365285	922	
08/08/94	4369031	3746	
08/09/94	4370230	1199	
08/10/94	4371309	1079	
08/11/94	4372287	978	CLEANED FLOWMETER
08/12/94	4373396	1109	
08/15/94	4376474	3078	
08/16/94	4377567	1093	
08/17/94	4378515	948	
08/18/94	4378872	357	FLOWMETER STUCK/CLEANED
08/19/94	4379981	1109	
08/22/94	4382694	2713	CLEANED FLOWMETER
08/23/94	4383686	992	
08/24/94	4384761	1075	
08/25/94	4385811	1050	
08/26/94	4386222	411	
08/29/94	4389624	3402	CLEANED FLOWMETER
08/30/94	4390835	1211	
	TOTAL	32828	

MAINTENANCE FOR THE MONTH OF AUGUST: THE TOWER PACKING WAS REPLACED ON AUGUST 6. DUE TO FLOW PROBLEMS, THE PUMP WAS PULLED & CLEANED ON AUGUST 20. IT APPEARS THAT THE PUMP IS STARTING TO FAIL. THE MAXIMUM FLOW RATE HAS DROPPED FROM 20 GPM TO 10 GPM. WHEN THE FLOW RATE DROPS AGAIN, THE PUMP WILL BE REPLACED.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: SEPTEMBER 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
08/30/94	4390835	0	
09/01/94	4393231	2396	
09/02/94	4394374	1143	
09/06/94	4398284	3910	CLEANED FLOWMETER
09/07/94	4399663	1379	
09/08/94	4400953	1290	
09/09/94	4402336	1383	
09/12/94	4405364	3028	CLEANED FLOWMETER
09/13/94	4406109	745	ACCUMULATOR STUCK
09/14/94	4407403	1294	
09/15/94	4408525	1122	
09/16/94	4409739	1214	
09/19/94	4412158	2419	CLEANED FLOWMETER
09/20/94	4413288	1130	
09/21/94	4414526	1238	CLEANED FLOWMETER
09/22/94	4415525	999	
09/23/94	4416109	584	ACCUMULATOR STUCK
09/26/94	4418708	2599	FLOWMETER STUCK/CLEANED
09/27/94	4418721	13	
09/28/94	4419485	764	
09/29/94	4419661	176	
09/30/94	4420183	522	
		29348	

MAINTENANCE FOR THE MONTH OF SEPTEMBER: NONE

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 321,870 GALLONS.

APPENDIX I

Appendix I

Fiscal Year 1994 QA/QC Data

Appendix I.1

Organics QA/QC Data

APPENDIX I.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date		TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
01U110	F	PC	ITI 004	124028	07-Jun-94	Spike																		
01U110	F	PC	ITI 004	124028	07-Jun-94	Value																0	0	0
																						0.50	1.49	<8.28
01U110	F	PC	IVE 006	124028	07-Jun-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
01U110	F	PC	IVE 006	124028	07-Jun-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.35	<1.00	<1.00	<3.20			
01U110	F	PC	ITO 005	208345	07-Sep-94	Spike																		
01U110	F	PC	ITO 005	208345	07-Sep-94	Value																0	0	0
																						<0.41	<0.87	<8.28
01U110	F	PC	IVO 007	208345	07-Sep-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
01U110	F	PC	IVO 007	208345	07-Sep-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	0.82	<1.00	<0.78	0.34	<1.30	<0.72	<1.00	<1.00	8.66			
01U115	F	PC	ITK 005	124818	09-Jun-94	Spike																		
01U115	F	PC	ITK 005	124818	09-Jun-94	Value																0	0	0
																						0.76	2.01	<8.28
01U115	F	PC	IVF 009	124818	09-Jun-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
01U115	F	PC	IVF 009	124818	09-Jun-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	2.03	<1.00	<1.00	2.13			
01U116	F	PC	ITS 005	209759	08-Sep-94	Spike																		
01U116	F	PC	ITS 005	209759	08-Sep-94	Value																0	0	0
																						<0.41	<0.87	<8.28
01U116	F	PC	IVT 005	209759	08-Sep-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
01U116	F	PC	IVT 005	209759	08-Sep-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	1.36	<1.00	<0.78	0.36	<1.30	<0.72	<1.00	<1.00	5.15			
01U117	F	PC	ITS 012	211419	09-Sep-94	Spike																		
01U117	F	PC	ITS 012	211419	09-Sep-94	Value																0	0	0
																						<0.41	<0.87	<8.28
01U117	F	PC	IVT 012	211419	09-Sep-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
01U117	F	PC	IVT 012	211419	09-Sep-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	0.68	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	4.66			
01U119	F	PC	ITI 005	124010	07-Jun-94	Spike																		
01U119	F	PC	ITI 005	124010	07-Jun-94	Value																0	0	0
																						<0.41	0.66	<8.28
01U119	F	PC	IVE 005	124010	07-Jun-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
01U119	F	PC	IVE 005	124010	07-Jun-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.00	<1.00	0.54	<3.20			
01U126	F	PC	ITP 011	208353	07-Sep-94	Spike																		
01U126	F	PC	ITP 011	208353	07-Sep-94	Value																0	0	0
																						<0.41	<0.87	<8.28
01U139	F	PC	ITI 006	124036	08-Jun-94	Spike																		
01U139	F	PC	ITI 006	124036	08-Jun-94	Value																0	0	0
																						<0.41	<0.87	<8.28
01U139	F	PC	IVE 008	124036	08-Jun-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
01U139	F	PC	IVE 008	124036	08-Jun-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.48	<1.00	<1.00	<3.20			
01U355	F	PC	ITR 011	209767	08-Sep-94	Spike																		
01U355	F	PC	ITR 011	209767	08-Sep-94	Value																0	0	0
																						<0.41	<0.87	<8.28
01U902	F	PC	IUW 007	62464	23-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
01U902	F	PC	IUW 007	62464	23-Mar-94	Value	<1.00	1.64	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	6.24			
01U902	F	PC	ITM 011	125857	10-Jun-94	Spike																		
01U902	F	PC	ITM 011	125857	10-Jun-94	Value																0	0	0
																						<0.41	<0.87	<8.28
01U902	F	PC	IVI 006	125857	10-Jun-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
01U902	F	PC	IVI 006	125857	10-Jun-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			

APPENDIX I.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date		TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
03L007	F	PC	IUH 006	53112	14-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
03L007	F	PC	IUH 006	53112	14-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	19.60			
03L080	F	PC	IKZ 004	46361	07-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
03L080	F	PC	IKZ 004	46361	07-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03L846	F	PC	IUS 014	59030	21-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
03L846	F	PC	IUS 014	59030	21-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U017	F	PC	IKS 006	43524	03-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
03U017	F	PC	IKS 006	43524	03-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U093	F	PC	ZVU 009	211532	09-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
03U093	F	PC	ZVU 009	211532	09-Sep-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U659	F	PC	IUC 008	48690	10-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
03U659	F	PC	IUC 008	48690	10-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U673	F	PC	IKV 005	43303	04-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
03U673	F	PC	IKV 005	43303	04-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U701	F	PC	IUB 013	48585	09-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
03U701	F	PC	IUB 013	48585	09-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U704	F	PC	IUB 006	48526	09-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
03U704	F	PC	IUB 006	48526	09-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U804	F	PC	IKT 006	40380	02-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
03U804	F	PC	IKT 006	40380	02-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U702	F	PC	IKZ 007	46710	08-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
04U702	F	PC	IKZ 007	46710	08-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U711	F	PC	IVS 010	210595	07-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
04U711	F	PC	IVS 010	210595	07-Sep-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U821	F	PC	IUO 018	57002	18-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
04U821	F	PC	IUO 018	57002	18-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	10.60			
04U847	F	PC	ITT 007	213152	12-Sep-94	Spike																0	0	0
04U847	F	PC	ITT 007	213152	12-Sep-94	Value																<0.41	<0.87	<8.28
04U847	F	PC	IVU 008	213152	12-Sep-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
04U847	F	PC	IVU 008	213152	12-Sep-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	1.39	<1.00	<0.78	0.53	<1.30	<0.72	<1.00	<1.00	4.22			
04U879	F	PC	IUU 019	62383	22-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
04U879	F	PC	IUU 019	62383	22-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
200076	F	PC	IUV 016	64610	25-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
200076	F	PC	IUV 016	64610	25-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	9.81			
409550	F	PC	IUO 009	55891	17-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
409550	F	PC	IUO 009	55891	17-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	0.45	<1.30	0.57	<1.00	<1.00	2.58			
PJ#308	F	PC	IUV 010	63428	24-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			

APPENDIX I.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date		TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
PJ#308	F	PC	IUV 010	63428	24-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IKQQ 005	38938	01-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKQQ 005	38938	01-Mar-94	Value	5200.00	19000.00	4500.00	3800.00	<150.00	<950.00	4800.00	5000.00	<390.00	2200.00	<650.00	<360.00	<500.00	<500.00	<1600.00			
	N	PC	IKQQ 006	38938	01-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKQQ 006	38938	01-Mar-94	Value	5000.00	20000.00	4400.00	3600.00	<150.00	<950.00	4600.00	5100.00	<390.00	2200.00	<650.00	<360.00	<500.00	<500.00	<1600.00			
	N	PC	IKS 007	43400	03-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKS 007	43400	03-Mar-94	Value	10.60	300.00	8.34	5.72	<0.30	<1.90	12.30	11.80	<0.78	5.37	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IKS 008	43400	03-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKS 008	43400	03-Mar-94	Value	9.58	270.00	7.76	5.63	<0.30	<1.90	11.20	9.65	<0.78	4.85	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IKU 016	44075	03-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKU 016	44075	03-Mar-94	Value	550.00	1600.00	440.00	280.00	<15.00	<95.00	1100.00	570.00	<39.00	270.00	<65.00	<36.00	<50.00	<50.00	<160.00			
	N	PC	IKU 017	44075	03-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKU 017	44075	03-Mar-94	Value	550.00	1600.00	430.00	270.00	<15.00	<95.00	1100.00	520.00	<39.00	260.00	<65.00	<36.00	<50.00	<50.00	<160.00			
	N	PC	IKU 018	43540	03-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKU 018	43540	03-Mar-94	Value	12.10	16.40	8.67	5.32	<0.30	<1.90	13.40	12.00	<0.78	5.64	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IKU 019	43540	03-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKU 019	43540	03-Mar-94	Value	11.30	15.60	8.37	5.25	<0.30	<1.90	12.40	11.40	<0.78	5.44	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IKY 012	46671	08-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKY 012	46671	08-Mar-94	Value	12.30	7.96	10.30	5.60	<0.30	<1.90	11.70	11.80	<0.78	5.58	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IKY 013	46671	08-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKY 013	46671	08-Mar-94	Value	11.50	8.02	9.92	5.36	<0.30	<1.90	11.10	11.70	<0.78	5.78	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IKZ 014	46795	08-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKZ 014	46795	08-Mar-94	Value	220.00	700.00	220.00	140.00	<7.50	<48.00	280.00	250.00	24.00	120.00	<33.00	<18.00	<25.00	<25.00	<80.00			
	N	PC	IKZ 015	46795	08-Mar-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IKZ 015	46795	08-Mar-94	Value	180.00	560.00	160.00	120.00	<7.50	<48.00	230.00	260.00	21.00	110.00	<33.00	<18.00	<25.00	<25.00	<80.00			
	N	PC	IVD 017	126659	07-Jun-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IVD 017	126659	07-Jun-94	Value	10.20	6.33	8.53	4.61	<0.30	<1.90	9.47	9.86	<0.78	5.33	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IVD 018	126659	07-Jun-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IVD 018	126659	07-Jun-94	Value	10.40	6.41	8.44	4.64	<0.30	<1.90	9.44	9.90	<0.78	5.29	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	ZVI 005	126870	10-Jun-94	Spike	10	5	10	5		0	10	10	0	5	0	0	0	0	0			
	N	PC	ZVI 005	126870	10-Jun-94	Value	12.30	63.90	11.40	5.61		<1.90	15.20	13.10	3.26	5.87	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	ZVI 006	126870	10-Jun-94	Spike	10	5	10	5		0	10	10	0	5	0	0	0	0	0			
	N	PC	ZVI 006	126870	10-Jun-94	Value	11.80	62.40	10.80	5.52		<1.90	14.80	13.20	3.14	5.74	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IVR 005	210420	07-Sep-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IVR 005	210420	07-Sep-94	Value	9.56	42.90	9.09	7.37	<0.30	<1.90	10.10	9.29	<0.78	4.36	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IVR 006	210420	07-Sep-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IVR 006	210420	07-Sep-94	Value	9.42	3.76	90.80	7.46	<0.30	<1.90	10.20	9.28	<0.78	4.48	<1.30	<0.72	<1.00	<1.00	<3.20			

APPENDIX I.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date		TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
	N	PC	IVS 015	210641	08-Sep-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IVS 015	210641	08-Sep-94	Value	9.07	31.20	9.46	6.01	<0.30	<1.90	10.80	9.35	<0.78	4.47	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IVS 016	210641	08-Sep-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IVS 016	210641	08-Sep-94	Value	9.05	20.50	8.24	5.89	<0.30	<1.90	96.10	9.65	<0.78	3.57	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IVV 007	215368	13-Sep-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IVV 007	215368	13-Sep-94	Value	9.21	5.06	8.09	4.65	<0.30	<1.90	8.98	8.58	<0.78	4.45	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IVV 008	215368	13-Sep-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IVV 008	215368	13-Sep-94	Value	9.14	5.17	8.55	4.86	<0.30	<1.90	9.15	8.87	<0.78	4.56	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IVX 014	218081	15-Sep-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IVX 014	218081	15-Sep-94	Value	8.91	5.49	8.64	4.88	<0.30	<1.90	9.08	9.03	<0.78	4.56	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IVX 015	218081	15-Sep-94	Spike	10	5	10	5	0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IVX 015	218081	15-Sep-94	Value	9.05	5.20	8.08	4.75	<0.30	<1.90	9.72	8.98	<0.78	4.36	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IKP 007	38890	01-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IKP 007	38890	01-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IKQ 008	40347	02-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IKQ 008	40347	02-Mar-94	Value	<1.00	<1.00	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IKT 010	40428	02-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IKT 010	40428	02-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IKT 019	43273	04-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IKT 019	43273	04-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IKV 011	43362	04-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IKV 011	43362	04-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IKY 005	46604	08-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IKY 005	46604	08-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IUA 005	46701	08-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IUA 005	46701	08-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IUB 004	48500	09-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IUB 004	48500	09-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	ZUG 009	49719	11-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	ZUG 009	49719	11-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	ITD 009	53350	15-Mar-94	*Spike*																*0*	*0*	*0*
	R	PC	ITD 009	53350	15-Mar-94	Value																<0.41	0.77	<8.28
	R	PC	IUI 008	53350	15-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	R	PC	IUI 008	53350	15-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	ITD 010	54682	16-Mar-94	Spike																		
	R	PC	ITD 010	54682	16-Mar-94	Value																0	0	0
	R	PC	IUI 009	54682	16-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0.76	1.90	<8.28
	R	PC	IUI 009	54682	16-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	0.61	<1.00	2.21			

APPENDIX I.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date		TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
	R	PC	ITF 015	106275	13-May-94	Spike																		
	R	PC	ITF 015	106275	13-May-94	Value																0	0	0
																						<0.41	<0.87	<8.28
	R	PC	IVB 011	106275	13-May-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	R	PC	IVB 011	106275	13-May-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IVD 005	126586	06-Jun-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IVD 005	126586	06-Jun-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	ZVG 005	126730	08-Jun-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	ZVG 005	126730	08-Jun-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	ZVI 007	126888	10-Jun-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	ZVI 007	126888	10-Jun-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IVS 022	210617	08-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IVS 022	210617	08-Sep-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	ZVU 006	211494	09-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	ZVU 006	211494	09-Sep-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IVV 011	215392	13-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IVV 011	215392	13-Sep-94	Value	<2.00	<1.00	<2.00	<1.00	<0.60	<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40			
	R	PC	IVX 005	218006	15-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IVX 005	218006	15-Sep-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.34	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IVX 017	218111	16-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IVX 017	218111	16-Sep-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IKI 006	274500	27-Oct-93	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IKI 006	274500	27-Oct-93	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZKL 004	298964	30-Nov-93	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZKL 004	298964	30-Nov-93	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZKL 005	303739	07-Dec-93	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZKL 005	303739	07-Dec-93	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZKN 006	16829	01-Feb-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZKN 006	16829	01-Feb-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IKQQ 011	39039	01-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IKQQ 011	39039	01-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IKU 013	44113	03-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IKU 013	44113	03-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IKZ 016	46809	08-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IKZ 016	46809	08-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ITC 006	48771	10-Mar-94	Spike																		
	T	PC	ITC 006	48771	10-Mar-94	Value																0	0	0
																						<0.41	<0.87	<8.28
	T	PC	IUF 005	48771	10-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			

APPENDIX I.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date		TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
	T	PC	IUF 005	48771	10-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZUG 005	49735	11-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZUG 005	49735	11-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	0.72	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUM 015	53384	15-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IUM 015	53384	15-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IUM 015	53384	15-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUM 015	53384	15-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUN 010	54690	16-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IUN 010	54690	16-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IUN 010	54690	16-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUN 010	54690	16-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUJ 005	56197	17-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUJ 005	56197	17-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUK 007	56294	17-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUK 007	56294	17-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUL 004	57258	17-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUL 004	57258	17-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUL 013	57428	18-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUL 013	57428	18-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUP 012	57070	18-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IUP 012	57070	18-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUP 018	58742	21-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUP 018	58742	21-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUQ 020	58963	21-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUQ 020	58963	21-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUR 005	59226	21-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUR 005	59226	21-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.44	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUS 013	59021	21-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IUS 013	59021	21-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	0.43	<1.30	<0.72	<1.00	<1.00	18.20			
	T	PC	IUR 009	60127	22-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUR 009	60127	22-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.46	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUR 014	60178	22-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUR 014	60178	22-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUW 018	62588	22-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IUW 018	62588	22-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUR 017	61190	23-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUR 017	61190	23-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.26	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUR 019	61212	23-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUR 019	61212	23-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.41	<1.30	<0.72	<1.00	<1.00	<3.20			

APPENDIX I.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date		TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
	T	PC	IUT 013	60755	23-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUT 013	60755	23-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	0.28	<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUS 007	63282	24-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUS 007	63282	24-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUU 008	62685	24-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUU 008	62685	24-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUV 009	63410	24-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IUV 009	63410	24-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUV 017	64629	25-Mar-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IUV 017	64629	25-Mar-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	1.78			
	T	PC	IUX 009	67253	30-Mar-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUX 009	67253	30-Mar-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IUY 006	71447	05-Apr-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IUY 006	71447	05-Apr-94	Value	<1.00	0.67	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.26	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IVA 007	92665	03-May-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IVA 007	92665	03-May-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.32	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IVC 008	106330	13-May-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IVC 008	106330	13-May-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZVE 004	122254	07-Jun-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZVE 004	122254	07-Jun-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ITI 008	124044	08-Jun-94	Spike																		
	T	PC	ITI 008	124044	08-Jun-94	Value																0	0	0
																						<0.41	<0.87	<8.28
	T	PC	IVE 009	124044	08-Jun-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IVE 009	124044	08-Jun-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ITK 006	124850	09-Jun-94	Spike																		
	T	PC	ITK 006	124850	09-Jun-94	Value																0	0	0
																						<0.41	<0.87	<8.28
	T	PC	IVF 010	124850	09-Jun-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IVF 010	124850	09-Jun-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IVG 012	125210	09-Jun-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IVG 012	125210	09-Jun-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZVF 010	126780	09-Jun-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZVF 010	126780	09-Jun-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ITM 009	125865	10-Jun-94	Spike																		
	T	PC	ITM 009	125865	10-Jun-94	Value																0	0	0
																						<0.41	<0.87	<8.28
	T	PC	IVI 004	125865	10-Jun-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IVI 004	125865	10-Jun-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZVK 007	147311	07-Jul-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

APPENDIX I.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date		TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
	T	PC	ZVK 007	147311	07-Jul-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZVL 009	170640	02-Aug-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZVL 009	170640	02-Aug-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	2.09			
	T	PC	ITP 004	208191	06-Sep-94	Spike																0	0	0
	T	PC	ITP 004	208191	06-Sep-94	Value																<0.41	<0.87	<8.28
	T	PC	ZVO 009	206385	06-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZVO 009	206385	06-Sep-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IVO 004	208191	07-Sep-94	Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0			
	T	PC	IVO 004	208191	07-Sep-94	Value	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZVU 010	211540	09-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZVU 010	211540	09-Sep-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.60	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IVV 019	215473	14-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IVV 019	215473	14-Sep-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IVX 020	218146	16-Sep-94	Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IVX 020	218146	16-Sep-94	Value	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.28	<1.30	<0.72	<1.00	<1.00	<3.20			

Appendix I.2

Inorganics QA/QC Data

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APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
01U063	F	48178	09-Mar-94	Spike							10.00						
01U063	F	48178	09-Mar-94	Value							11.60						
01U063	F	48178	09-Mar-94	Lot #							EOP 004						
01U103	F	45926	07-Mar-94	Spike							10.00						
01U103	F	45926	07-Mar-94	Value							9.54						
01U103	F	45926	07-Mar-94	Lot #							EOR 004						
01U103	F	45926	07-Mar-94	Spike							10.00						
01U103	F	45926	07-Mar-94	Value							9.97						
01U103	F	45926	07-Mar-94	Lot #							EOR 005						
01U106	F	47996	08-Mar-94	Spike													0.00
01U106	F	47996	08-Mar-94	Value													<20.00
01U106	F	47996	08-Mar-94	Lot #													IQB 010
01U157	F	106224	13-May-94	Spike													
01U157	F	106224	13-May-94	Value													
01U157	F	106224	13-May-94	Lot #													
01U157	F	106224	13-May-94	Spike													
01U157	F	106224	13-May-94	Value													
01U157	F	106224	13-May-94	Lot #													
01U350	F	13196	27-Jan-94	Spike				1700.00									
01U350	F	13196	27-Jan-94	Value				1780.00									
01U350	F	13196	27-Jan-94	Lot #				IFX 005									
01U351	F	106046	13-May-94	Spike				1700.00									
01U351	F	106046	13-May-94	Value				5170.00									
01U351	F	106046	13-May-94	Lot #				IQJ 005									
01U351	F	106046	13-May-94	Spike				1700.00									
01U351	F	106046	13-May-94	Value				5090.00									
01U351	F	106046	13-May-94	Lot #				IQJ 006									
01U351	F	106046	13-May-94	Spike													
01U351	F	106046	13-May-94	Value													
01U351	F	106046	13-May-94	Lot #													

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	HG
01U351	F	125130	09-Jun-94	Spike			400.00			400.00								
01U351	F	125130	09-Jun-94	Value			463.00			419.00								
01U351	F	125130	09-Jun-94	Lot #			IQK 008			IQK 008								
01U351	F	125130	09-Jun-94	Spike	0.00		400.00	100.00	200.00			0.00			1000.00	1500.00	1000.00	
01U351	F	125130	09-Jun-94	Value	<13.00		468.00	106.00	195.00			192.00			954.00	1600.00	1110.00	
01U351	F	125130	09-Jun-94	Lot #	IQKK 006		IQK 009	IQK 009	IQK 009			IQKK 006			IQK 008	IQK 009	IQK 008	
01U352	F	125148	09-Jun-94	Spike										10.00				
01U352	F	125148	09-Jun-94	Value										11.10				
01U352	F	125148	09-Jun-94	Lot #										EQG 004				
01U352	F	125148	09-Jun-94	Spike										10.00				
01U352	F	125148	09-Jun-94	Value										10.90				
01U352	F	125148	09-Jun-94	Lot #										EQG 005				
01U352	F	125148	09-Jun-94	Spike									25.00					
01U352	F	125148	09-Jun-94	Value									26.10					
01U352	F	125148	09-Jun-94	Lot #									EXA 005					
01U904	F	50040	11-Mar-94	Spike														
01U904	F	50040	11-Mar-94	Value														
01U904	F	50040	11-Mar-94	Lot #														
	T	106046	13-May-94	Spike			400.00				400.00			10.00				
	T	106046	13-May-94	Value			458.00				522.00			86.00				
	T	106046	13-May-94	Lot #			IQJ 006				IQJ 006			EQF 005				
	T	125130	09-Jun-94	Spike				100.00	200.00							1500.00		
	T	125130	09-Jun-94	Value				106.00	203.00							1650.00		
	T	125130	09-Jun-94	Lot #				IQK 008	IQK 008							IQK 008		
	T	125130	09-Jun-94	Spike						400.00					1000.00		1000.00	
	T	125130	09-Jun-94	Value						408.00					971.00		1070.00	
	T	125130	09-Jun-94	Lot #						IQK 009					IQK 009		IQK 009	
	T	125148	09-Jun-94	Spike									25.00					
	T	125148	09-Jun-94	Value									26.30					
	T	125148	09-Jun-94	Lot #									EXA 004					

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
01U351	F	125130	09-Jun-94	Spike													
01U351	F	125130	09-Jun-94	Value													
01U351	F	125130	09-Jun-94	Lot #													
01U351	F	125130	09-Jun-94	Spike													
01U351	F	125130	09-Jun-94	Value													
01U351	F	125130	09-Jun-94	Lot #													
01U352	F	125148	09-Jun-94	Spike													
01U352	F	125148	09-Jun-94	Value													
01U352	F	125148	09-Jun-94	Lot #													
01U352	F	125148	09-Jun-94	Spike													
01U352	F	125148	09-Jun-94	Value													
01U352	F	125148	09-Jun-94	Lot #													
01U352	F	125148	09-Jun-94	Spike													
01U352	F	125148	09-Jun-94	Value													
01U352	F	125148	09-Jun-94	Lot #													
01U904	F	50040	11-Mar-94	Spike													0.00
01U904	F	50040	11-Mar-94	Value													<20.00
01U904	F	50040	11-Mar-94	Lot #													IQC 021
	T	106046	13-May-94	Spike													
	T	106046	13-May-94	Value													
	T	106046	13-May-94	Lot #													
	T	125130	09-Jun-94	Spike				1700.00									
	T	125130	09-Jun-94	Value				1880.00									
	T	125130	09-Jun-94	Lot #				IQK 008									
	T	125130	09-Jun-94	Spike				1700.00									
	T	125130	09-Jun-94	Value				1860.00									
	T	125130	09-Jun-94	Lot #				IQK 009									
	T	125148	09-Jun-94	Spike													
	T	125148	09-Jun-94	Value													
	T	125148	09-Jun-94	Lot #													

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	HG
	T	125202	09-Jun-94	Spike														5.00
	T	125202	09-Jun-94	Value														0.72
	T	125202	09-Jun-94	Lot #														IJR 012
	T	144800	06-Jul-94	Spike		0.00						0.00						
	T	144800	06-Jul-94	Value		<62.90						<5.11						
	T	144800	06-Jul-94	Lot #		IQL 006						IQL 005						
	T	144800	06-Jul-94	Spike		0.00												
	T	144800	06-Jul-94	Value		<62.90												
	T	144800	06-Jul-94	Lot #		IQL 005												
	T	208116	06-Sep-94	Spike	0.00													
	T	208116	06-Sep-94	Value	<12.50													
	T	208116	06-Sep-94	Lot #	IQR 006													
	N	274569	27-Oct-93	Spike			400.00		200.00	400.00								
	N	274569	27-Oct-93	Value			525.00		202.00	402.00								
	N	274569	27-Oct-93	Lot #			IFN 005		IFN 005	IFN 005								
	N	274569	27-Oct-93	Spike			400.00		200.00	400.00								
	N	274569	27-Oct-93	Value			534.00		203.00	408.00								
	N	274569	27-Oct-93	Lot #			IFN 006		IFN 006	IFN 006								
	N	305774	09-Dec-93	Spike														
	N	305774	09-Dec-93	Value														
	N	305774	09-Dec-93	Lot #														
	N	305774	09-Dec-93	Spike														
	N	305774	09-Dec-93	Value														
	N	305774	09-Dec-93	Lot #														
	N	13196	27-Jan-94	Spike			400.00		200.00	400.00				10.00				
	N	13196	27-Jan-94	Value			534.00		202.00	410.00				25.30				
	N	13196	27-Jan-94	Lot #			IFX 005		IFX 005	IFX 005				EBS 003				
	N	13196	27-Jan-94	Spike			400.00		200.00	400.00				10.00				
	N	13196	27-Jan-94	Value			537.00		204.00	409.00				25.60				
	N	13196	27-Jan-94	Lot #			IFX 006		IFX 006	IFX 006				EBS 004				

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
	T	125202	09-Jun-94	Spike													
	T	125202	09-Jun-94	Value													
	T	125202	09-Jun-94	Lot #													
	T	144800	06-Jul-94	Spike													
	T	144800	06-Jul-94	Value													
	T	144800	06-Jul-94	Lot #													
	T	144800	06-Jul-94	Spike													
	T	144800	06-Jul-94	Value													
	T	144800	06-Jul-94	Lot #													
	T	208116	06-Sep-94	Spike													
	T	208116	06-Sep-94	Value													
	T	208116	06-Sep-94	Lot #													
	N	274569	27-Oct-93	Spike				1700.00									
	N	274569	27-Oct-93	Value				1760.00									
	N	274569	27-Oct-93	Lot #				IFN 005									
	N	274569	27-Oct-93	Spike				1700.00									
	N	274569	27-Oct-93	Value				1820.00									
	N	274569	27-Oct-93	Lot #				IFN 006									
	N	305774	09-Dec-93	Spike		140.00											
	N	305774	09-Dec-93	Value		2000.00											
	N	305774	09-Dec-93	Lot #		IAQ 005											
	N	305774	09-Dec-93	Spike		140.00											
	N	305774	09-Dec-93	Value		2000.00											
	N	305774	09-Dec-93	Lot #		IAQ 006											
	N	13196	27-Jan-94	Spike				1700.00									
	N	13196	27-Jan-94	Value				1800.00									
	N	13196	27-Jan-94	Lot #				IFX 006									
	N	13196	27-Jan-94	Spike													
	N	13196	27-Jan-94	Value													
	N	13196	27-Jan-94	Lot #													

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	HG
	N	29246	15-Feb-94	Spike			400.00		200.00	400.00								
	N	29246	15-Feb-94	Value			561.00		221.00	442.00								
	N	29246	15-Feb-94	Lot #			IFZ 005		IFZ 005	IFZ 005								
	N	29246	15-Feb-94	Spike			400.00		200.00	400.00								
	N	29246	15-Feb-94	Value			561.00		227.00	442.00								
	N	29246	15-Feb-94	Lot #			IFZ 006		IFZ 006	IFZ 006								
	N	29246	15-Feb-94	Spike														
	N	29246	15-Feb-94	Value														
	N	29246	15-Feb-94	Lot #														
	N	29246	15-Feb-94	Spike														
	N	29246	15-Feb-94	Value														
	N	29246	15-Feb-94	Lot #														
	N	45926	07-Mar-94	Spike		10.00							25.00	10.00				
	N	45926	07-Mar-94	Value		9.40							26.40	8.41				
	N	45926	07-Mar-94	Lot #		EAY 004							EOS 004	EBY 004				
	N	45926	07-Mar-94	Spike		10.00							25.00	10.00				
	N	45926	07-Mar-94	Value		9.63							27.20	8.29				
	N	45926	07-Mar-94	Lot #		EAY 005							EOS 005	EBY 005				
	N	45926	07-Mar-94	Spike			400.00		200.00	400.00								
	N	45926	07-Mar-94	Value			540.00		211.00	428.00								
	N	45926	07-Mar-94	Lot #			IQC 007		IQC 007	IQC 007								
	N	45926	07-Mar-94	Spike			400.00		200.00	400.00								
	N	45926	07-Mar-94	Value			529.00		209.00	425.00								
	N	45926	07-Mar-94	Lot #			IQC 008		IQC 008	IQC 008								
	N	45934	07-Mar-94	Spike														5.00
	N	45934	07-Mar-94	Value														4.82
	N	45934	07-Mar-94	Lot #														IJM 006
	N	45934	07-Mar-94	Spike														5.00
	N	45934	07-Mar-94	Value														4.82
	N	45934	07-Mar-94	Lot #														IJM 007

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
	N	29246	15-Feb-94	Spike				1700.00									
	N	29246	15-Feb-94	Value				2050.00									
	N	29246	15-Feb-94	Lot #				IFZ 005									
	N	29246	15-Feb-94	Spike				1700.00									
	N	29246	15-Feb-94	Value				2090.00									
	N	29246	15-Feb-94	Lot #				IFZ 006									
	N	29246	15-Feb-94	Spike		82.00	40.00										
	N	29246	15-Feb-94	Value		94.00	100.00										
	N	29246	15-Feb-94	Lot #		IIQ 005	ISA 005										
	N	29246	15-Feb-94	Spike		82.00	40.00										
	N	29246	15-Feb-94	Value		96.20	124.00										
	N	29246	15-Feb-94	Lot #		IIQ 006	ISA 006										
	N	45926	07-Mar-94	Spike													
	N	45926	07-Mar-94	Value													
	N	45926	07-Mar-94	Lot #													
	N	45926	07-Mar-94	Spike													
	N	45926	07-Mar-94	Value													
	N	45926	07-Mar-94	Lot #													
	N	45926	07-Mar-94	Spike				1700.00									0.00
	N	45926	07-Mar-94	Value				1820.00									<20.00
	N	45926	07-Mar-94	Lot #				IQC 007									IQC 007
	N	45926	07-Mar-94	Spike				1700.00									0.00
	N	45926	07-Mar-94	Value				1810.00									<20.00
	N	45926	07-Mar-94	Lot #				IQC 008									IQC 008
	N	45934	07-Mar-94	Spike													
	N	45934	07-Mar-94	Value													
	N	45934	07-Mar-94	Lot #													
	N	45934	07-Mar-94	Spike													
	N	45934	07-Mar-94	Value													
	N	45934	07-Mar-94	Lot #													

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	HG
	N	47880	08-Mar-94	Spike														5.00
	N	47880	08-Mar-94	Value														5.20
	N	47880	08-Mar-94	Lot #														IJL 005
	N	47880	08-Mar-94	Spike														5.00
	N	47880	08-Mar-94	Value														5.29
	N	47880	08-Mar-94	Lot #														IJL 006
	N	47996	08-Mar-94	Spike		0.00	0.00		0.00	0.00			0.00	0.00				0.00
	N	47996	08-Mar-94	Value		<3.00	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74
	N	47996	08-Mar-94	Lot #		EAX 011	IQB 010		IQB 010	IQB 010			EOQ 011	EBX 010				IJL 012
	N	48020	08-Mar-94	Spike														5.00
	N	48020	08-Mar-94	Value														5.36
	N	48020	08-Mar-94	Lot #														IJL 015
	N	48020	08-Mar-94	Spike														5.00
	N	48020	08-Mar-94	Value														5.36
	N	48020	08-Mar-94	Lot #														IJL 016
	N	48119	09-Mar-94	Spike														5.00
	N	48119	09-Mar-94	Value														5.18
	N	48119	09-Mar-94	Lot #														IJL 025
	N	48119	09-Mar-94	Spike														5.00
	N	48119	09-Mar-94	Value														5.18
	N	48119	09-Mar-94	Lot #														IJL 026
	N	48127	09-Mar-94	Spike		10.00												
	N	48127	09-Mar-94	Value		12.50												
	N	48127	09-Mar-94	Lot #		EAX 004												
	N	48127	09-Mar-94	Spike		10.00												
	N	48127	09-Mar-94	Value		12.20												
	N	48127	09-Mar-94	Lot #		EAX 005												
	N	48178	09-Mar-94	Spike									25.00	10.00				
	N	48178	09-Mar-94	Value									29.40	10.40				
	N	48178	09-Mar-94	Lot #									EOQ 004	EBX 004				

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT	PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
	N	47880	08-Mar-94	Spike														
	N	47880	08-Mar-94	Value														
	N	47880	08-Mar-94	Lot #														
	N	47880	08-Mar-94	Spike														
	N	47880	08-Mar-94	Value														
	N	47880	08-Mar-94	Lot #														
	N	47996	08-Mar-94	Spike					0.00			0.00						
	N	47996	08-Mar-94	Value					16.30			<1.00						
	N	47996	08-Mar-94	Lot #					IQB 010			EOP 011						
	N	48020	08-Mar-94	Spike														
	N	48020	08-Mar-94	Value														
	N	48020	08-Mar-94	Lot #														
	N	48020	08-Mar-94	Spike														
	N	48020	08-Mar-94	Value														
	N	48020	08-Mar-94	Lot #														
	N	48119	09-Mar-94	Spike														
	N	48119	09-Mar-94	Value														
	N	48119	09-Mar-94	Lot #														
	N	48119	09-Mar-94	Spike														
	N	48119	09-Mar-94	Value														
	N	48119	09-Mar-94	Lot #														
	N	48127	09-Mar-94	Spike														
	N	48127	09-Mar-94	Value														
	N	48127	09-Mar-94	Lot #														
	N	48127	09-Mar-94	Spike														
	N	48127	09-Mar-94	Value														
	N	48127	09-Mar-94	Lot #														
	N	48178	09-Mar-94	Spike														
	N	48178	09-Mar-94	Value														
	N	48178	09-Mar-94	Lot #														

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	HG
	N	48178	09-Mar-94	Spike									25.00	10.00				
	N	48178	09-Mar-94	Value									29.50	10.20				
	N	48178	09-Mar-94	Lot #									EOQ 005	EBX 005				
	N	48232	09-Mar-94	Spike			400.00		200.00	400.00								
	N	48232	09-Mar-94	Value			402.00		203.00	388.00								
	N	48232	09-Mar-94	Lot #			IQB 024		IQB 024	IQB 024								
	N	48232	09-Mar-94	Spike			400.00		200.00	400.00								
	N	48232	09-Mar-94	Value			397.00		203.00	385.00								
	N	48232	09-Mar-94	Lot #			IQB 025		IQB 025	IQB 025								
	N	48739	10-Mar-94	Spike														5.00
	N	48739	10-Mar-94	Value														5.25
	N	48739	10-Mar-94	Lot #														IJN 008
	N	48739	10-Mar-94	Spike														5.00
	N	48739	10-Mar-94	Value														5.29
	N	48739	10-Mar-94	Lot #														IJN 009
	N	49867	10-Mar-94	Spike														5.00
	N	49867	10-Mar-94	Value														4.91
	N	49867	10-Mar-94	Lot #														IJM 012
	N	49867	10-Mar-94	Spike														5.00
	N	49867	10-Mar-94	Value														5.31
	N	49867	10-Mar-94	Lot #														IJM 013
	N	49980	11-Mar-94	Spike														5.00
	N	49980	11-Mar-94	Value														4.91
	N	49980	11-Mar-94	Lot #														IJM 020
	N	49980	11-Mar-94	Spike														5.00
	N	49980	11-Mar-94	Value														5.31
	N	49980	11-Mar-94	Lot #														IJM 021
	N	50040	11-Mar-94	Spike		0.00	0.00		0.00	0.00			0.00	0.00				0.00
	N	50040	11-Mar-94	Value		<3.00	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74
	N	50040	11-Mar-94	Lot #		EAY 019	IQC 021		IQC 021	IQC 021			EOS 019	EBY 019				IJM 023

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
	N	48178	09-Mar-94	Spike							10.00						
	N	48178	09-Mar-94	Value							95.70						
	N	48178	09-Mar-94	Lot #							EOP 005						
	N	48232	09-Mar-94	Spike				1700.00									0.00
	N	48232	09-Mar-94	Value				1750.00									<20.00
	N	48232	09-Mar-94	Lot #				IQB 024									IQB 024
	N	48232	09-Mar-94	Spike				1700.00									0.00
	N	48232	09-Mar-94	Value				1740.00									<20.00
	N	48232	09-Mar-94	Lot #				IQB 025									IQB 025
	N	48739	10-Mar-94	Spike													
	N	48739	10-Mar-94	Value													
	N	48739	10-Mar-94	Lot #													
	N	48739	10-Mar-94	Spike													
	N	48739	10-Mar-94	Value													
	N	48739	10-Mar-94	Lot #													
	N	49867	10-Mar-94	Spike													
	N	49867	10-Mar-94	Value													
	N	49867	10-Mar-94	Lot #													
	N	49867	10-Mar-94	Spike													
	N	49867	10-Mar-94	Value													
	N	49867	10-Mar-94	Lot #													
	N	49980	11-Mar-94	Spike													
	N	49980	11-Mar-94	Value													
	N	49980	11-Mar-94	Lot #													
	N	49980	11-Mar-94	Spike													
	N	49980	11-Mar-94	Value													
	N	49980	11-Mar-94	Lot #													
	N	50040	11-Mar-94	Spike				0.00			0.00						
	N	50040	11-Mar-94	Value				<13.00			<1.00						
	N	50040	11-Mar-94	Lot #				IQC 021			EOR 019						

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	HG
	N	53228	15-Mar-94	Spike														
	N	53228	15-Mar-94	Value														
	N	53228	15-Mar-94	Lot #														
	N	53228	15-Mar-94	Spike														
	N	53228	15-Mar-94	Value														
	N	53228	15-Mar-94	Lot #														
	N	53317	15-Mar-94	Spike														5.00
	N	53317	15-Mar-94	Value														5.25
	N	53317	15-Mar-94	Lot #														IJN 015
	N	53317	15-Mar-94	Spike														5.00
	N	53317	15-Mar-94	Value														5.25
	N	53317	15-Mar-94	Lot #														IJN 016
	N	83348	21-Apr-94	Spike		10.00							25.00	10.00				
	N	83348	21-Apr-94	Value		8.27							23.30	10.50				
	N	83348	21-Apr-94	Lot #		ESH 003							EVA 004	EQD 004				
	N	83348	21-Apr-94	Spike		10.00							25.00	10.00				
	N	83348	21-Apr-94	Value		8.66							23.40	9.67				
	N	83348	21-Apr-94	Lot #		ESH 004							EVA 005	EQD 005				
	N	106046	13-May-94	Spike														
	N	106046	13-May-94	Value														
	N	106046	13-May-94	Lot #														
	N	106046	13-May-94	Spike														
	N	106046	13-May-94	Value														
	N	106046	13-May-94	Lot #														
	N	125130	09-Jun-94	Spike	0.00						400.00	0.00						
	N	125130	09-Jun-94	Value	<13.00						401.00	192.00						
	N	125130	09-Jun-94	Lot #	IQKK 005						IQK 008	IQKK 005						
	N	125130	09-Jun-94	Spike							400.00							
	N	125130	09-Jun-94	Value							392.00							
	N	125130	09-Jun-94	Lot #							IQK 009							

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT	PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
	N	53228	15-Mar-94	Spike		141.00		20.00										
	N	53228	15-Mar-94	Value		1600.00		42.90										
	N	53228	15-Mar-94	Lot #		IAX 005		ISB 005										
	N	53228	15-Mar-94	Spike		141.00		20.00										
	N	53228	15-Mar-94	Value		1600.00		42.90										
	N	53228	15-Mar-94	Lot #		IAX 006		ISB 005										
	N	53317	15-Mar-94	Spike														
	N	53317	15-Mar-94	Value														
	N	53317	15-Mar-94	Lot #														
	N	53317	15-Mar-94	Spike														
	N	53317	15-Mar-94	Value														
	N	53317	15-Mar-94	Lot #														
	N	83348	21-Apr-94	Spike			82.00	20.00										
	N	83348	21-Apr-94	Value			92.00	49.60										
	N	83348	21-Apr-94	Lot #			IIU 005	ISD 005										
	N	83348	21-Apr-94	Spike			82.00	20.00										
	N	83348	21-Apr-94	Value			90.70	56.80										
	N	83348	21-Apr-94	Lot #			IIU 006	ISD 006										
	N	106046	13-May-94	Spike	100.00													
	N	106046	13-May-94	Value	80.60													
	N	106046	13-May-94	Lot #	IMG 005													
	N	106046	13-May-94	Spike	100.00													
	N	106046	13-May-94	Value	88.10													
	N	106046	13-May-94	Lot #	IMG 006													
	N	125130	09-Jun-94	Spike														
	N	125130	09-Jun-94	Value														
	N	125130	09-Jun-94	Lot #														
	N	125130	09-Jun-94	Spike														
	N	125130	09-Jun-94	Value														
	N	125130	09-Jun-94	Lot #														

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	HG
	N	125156	09-Jun-94	Spike		10.00												
	N	125156	09-Jun-94	Value		9.11												
	N	125156	09-Jun-94	Lot #		ESN 004												
	N	125156	09-Jun-94	Spike		10.00												
	N	125156	09-Jun-94	Value		9.21												
	N	125156	09-Jun-94	Lot #		ESN 005												
	N	125202	09-Jun-94	Spike														5.00
	N	125202	09-Jun-94	Value														4.15
	N	125202	09-Jun-94	Lot #														IJR 013
	N	144800	06-Jul-94	Spike	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	N	144800	06-Jul-94	Value	<13.00	<62.90	<20.00	<2.50	<5.00	<15.00	24.10	<5.11	<63.10	<100.00	<37.10	<75.00	<100.00	
	N	144800	06-Jul-94	Lot #	IQL 004	IQL 004	IQL 004	IQL 004	IQL 004	IQL 004	IQL 004	IQL 004	IQL 004	IQL 004	IQL 004	IQL 004	IQL 004	
	N	144800	06-Jul-94	Spike	0.00		400.00	100.00	200.00	400.00	400.00		1500.00	1000.00	1000.00	1500.00	1000.00	
	N	144800	06-Jul-94	Value	<13.00		425.00	105.00	202.00	417.00	411.00		1540.00	1020.00	1010.00	1460.00	1070.00	
	N	144800	06-Jul-94	Lot #	IQL 005		IQL 005	IQL 005	IQL 005	IQL 005	IQL 005		IQL 005	IQL 005	IQL 005	IQL 005	IQL 005	
	N	144800	06-Jul-94	Spike	0.00		400.00	100.00	200.00	400.00	400.00	0.00	1500.00	1000.00	1000.00	1500.00	1000.00	
	N	144800	06-Jul-94	Value	<13.00		408.00	103.00	197.00	401.00	396.00	<5.11	1510.00	983.00	953.00	1500.00	1050.00	
	N	144800	06-Jul-94	Lot #	IQL 006		IQL 006	IQL 006	IQL 006	IQL 006	IQL 006	IQL 006	IQL 006	IQL 006	IQL 006	IQL 006	IQL 006	
	N	144819	06-Jul-94	Spike														5.00
	N	144819	06-Jul-94	Value														5.54
	N	144819	06-Jul-94	Lot #														IJS 005
	N	144819	06-Jul-94	Spike														5.00
	N	144819	06-Jul-94	Value														4.88
	N	144819	06-Jul-94	Lot #														IJS 006
	N	172073	03-Aug-94	Spike														0.00
	N	172073	03-Aug-94	Value														<0.74
	N	172073	03-Aug-94	Lot #														IJT 004
	N	172146	03-Aug-94	Spike	0.00	0.00	400.00	100.00	200.00	400.00	400.00	0.00	1500.00	1000.00	1000.00	1500.00	1000.00	
	N	172146	03-Aug-94	Value	<13.00	<62.90	494.00	104.00	193.00	412.00	382.00	679.00	1500.00	988.00	1010.00	1490.00	998.00	
	N	172146	03-Aug-94	Lot #	IQM 007	IQM 007	IQM 007	IQM 007	IQM 007	IQM 007	IQM 007	IQM 007	IQM 007	IQM 007	IQM 007	IQM 007	IQM 007	

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
	N	125156	09-Jun-94	Spike													
	N	125156	09-Jun-94	Value													
	N	125156	09-Jun-94	Lot #													
	N	125156	09-Jun-94	Spike													
	N	125156	09-Jun-94	Value													
	N	125156	09-Jun-94	Lot #													
	N	125202	09-Jun-94	Spike													
	N	125202	09-Jun-94	Value													
	N	125202	09-Jun-94	Lot #													
	N	144800	06-Jul-94	Spike				0.00									
	N	144800	06-Jul-94	Value				18.30									
	N	144800	06-Jul-94	Lot #				IQL 004									
	N	144800	06-Jul-94	Spike				1700.00									
	N	144800	06-Jul-94	Value				1760.00									
	N	144800	06-Jul-94	Lot #				IQL 005									
	N	144800	06-Jul-94	Spike				1700.00									
	N	144800	06-Jul-94	Value				1730.00									
	N	144800	06-Jul-94	Lot #				IQL 006									
	N	144819	06-Jul-94	Spike													
	N	144819	06-Jul-94	Value													
	N	144819	06-Jul-94	Lot #													
	N	144819	06-Jul-94	Spike													
	N	144819	06-Jul-94	Value													
	N	144819	06-Jul-94	Lot #													
	N	172073	03-Aug-94	Spike													
	N	172073	03-Aug-94	Value													
	N	172073	03-Aug-94	Lot #													
	N	172146	03-Aug-94	Spike				1700.00									
	N	172146	03-Aug-94	Value				1740.00									
	N	172146	03-Aug-94	Lot #				IQM 007									

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	HG
	N	172146	03-Aug-94	Spike	0.00	0.00	400.00	100.00	200.00	400.00	400.00	0.00	1500.00	1000.00	1000.00	1500.00	1000.00	
	N	172146	03-Aug-94	Value	<13.00	<62.90	495.00	105.00	195.00	412.00	382.00	658.00	1510.00	985.00	1010.00	1490.00	935.00	
	N	172146	03-Aug-94	Lot #	IQM 008	IQM 008	IQM 008	IQM 008	IQM 008	IQM 008	IQM 008	IQM 008	IQM 008	IQM 008	IQM 008	IQM 008	IQM 008	
	N	172189	03-Aug-94	Spike														5.00
	N	172189	03-Aug-94	Value														5.34
	N	172189	03-Aug-94	Lot #														IJT 012
	N	172189	03-Aug-94	Spike														5.00
	N	172189	03-Aug-94	Value														5.11
	N	172189	03-Aug-94	Lot #														IJT 013
	N	208116	06-Sep-94	Spike	0.00						400.00	0.00			1000.00	1500.00	1000.00	
	N	208116	06-Sep-94	Value	<12.50						400.00	<5.11			1040.00	1610.00	993.00	
	N	208116	06-Sep-94	Lot #	IQR 005						IQR 005	IQR 005			IQR 005	IQR 005	IQR 005	
	N	208116	06-Sep-94	Spike	0						400.00	0.00			1000.00	1500.00	1000.00	
	N	208116	06-Sep-94	Value	<12.50						399.00	<5.11			1040.00	1620.00	1000.00	
	N	208116	06-Sep-94	Lot #	IQR 006						IQR 006	IQR 006			IQR 006	IQR 006	IQR 006	
	N	212857	06-Sep-94	Spike		10.00												
	N	212857	06-Sep-94	Value		10.00												
	N	212857	06-Sep-94	Lot #		EST 004												
	N	212857	06-Sep-94	Spike		10.00												
	N	212857	06-Sep-94	Value		9.00												
	N	212857	06-Sep-94	Lot #		EST 005												
	N	207160	07-Sep-94	Spike														
	N	207160	07-Sep-94	Value														
	N	207160	07-Sep-94	Lot #														
	N	207241	07-Sep-94	Spike														5.00
	N	207241	07-Sep-94	Value														5.20
	N	207241	07-Sep-94	Lot #														IJV 008
	N	207241	07-Sep-94	Spike														5.00
	N	207241	07-Sep-94	Value														5.51
	N	207241	07-Sep-94	Lot #														IJV 009

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT	PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
	N	172146	03-Aug-94	Spike					1700.00									
	N	172146	03-Aug-94	Value					1760.00									
	N	172146	03-Aug-94	Lot #					IQM 008									
	N	172189	03-Aug-94	Spike														
	N	172189	03-Aug-94	Value														
	N	172189	03-Aug-94	Lot #														
	N	172189	03-Aug-94	Spike														
	N	172189	03-Aug-94	Value														
	N	172189	03-Aug-94	Lot #														
	N	208116	06-Sep-94	Spike												0.00		
	N	208116	06-Sep-94	Value												<30.90		
	N	208116	06-Sep-94	Lot #												IQR 005		
	N	208116	06-Sep-94	Spike												0.00		
	N	208116	06-Sep-94	Value												<30.90		
	N	208116	06-Sep-94	Lot #												IQR 006		
	N	212857	06-Sep-94	Spike														
	N	212857	06-Sep-94	Value														
	N	212857	06-Sep-94	Lot #														
	N	212857	06-Sep-94	Spike														
	N	212857	06-Sep-94	Value														
	N	212857	06-Sep-94	Lot #														
	N	207160	07-Sep-94	Spike					0.00									
	N	207160	07-Sep-94	Value					22.40									
	N	207160	07-Sep-94	Lot #					IQP 020									
	N	207241	07-Sep-94	Spike														
	N	207241	07-Sep-94	Value														
	N	207241	07-Sep-94	Lot #														
	N	207241	07-Sep-94	Spike														
	N	207241	07-Sep-94	Value														
	N	207241	07-Sep-94	Lot #														

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	HG
	N	207284	07-Sep-94	Spike	0.00	0.00	400.00	100.00	200.00	400.00	400.00	0.00	1500.00	1000.00	1000.00	1500.00	1000.00	
	N	207284	07-Sep-94	Value	<12.50	<62.90	428.00	105.00	202.00	402.00	406.00	164.00	1490.00	1010.00	1040.00	1610.00	1100.00	
	N	207284	07-Sep-94	Lot #	IQQ 008	IQQ 008	IQQ 008	IQQ 008	IQQ 008	IQQ 008	IQQ 008	IQQ 008	IQQ 008	IQQ 008	IQQ 008	IQQ 008	IQQ 008	
	N	207284	07-Sep-94	Spike	0.00	0.00	400.00	100.00	200.00	400.00	400.00	0.00	1500.00	1000.00	1000.00	1500.00	1000.00	
	N	207284	07-Sep-94	Value	<12.50	<62.90	436.00	105.00	197.00	400.00	406.00	167.00	1490.00	987.00	1040.00	1640.00	1080.00	
	N	207284	07-Sep-94	Lot #	IQQ 009	IQQ 009	IQQ 009	IQQ 009	IQQ 009	IQQ 009	IQQ 009	IQQ 009	IQQ 009	IQQ 009	IQQ 009	IQQ 009	IQQ 009	
	N	208272	07-Sep-94	Spike														
	N	208272	07-Sep-94	Value														
	N	208272	07-Sep-94	Lot #														
	N	208272	07-Sep-94	Spike														
	N	208272	07-Sep-94	Value														
	N	208272	07-Sep-94	Lot #														
	N	209651	08-Sep-94	Spike	0.00						400.00	0.00			1000.00	1500.00	1000.00	
	N	209651	08-Sep-94	Value	<12.50						415.00	7.03			1000.00	1650.00	1120.00	
	N	209651	08-Sep-94	Lot #	IQS 006						IQS 006	IQS 006			IQS 006	IQS 006	IQS 006	
	N	209651	08-Sep-94	Spike	0.00						400.00	0.00			1000.00	1500.00	1000.00	
	N	209651	08-Sep-94	Value	<12.50						417.00	7.03			1040.00	1600.00	1100.00	
	N	209651	08-Sep-94	Lot #	IQS 007						IQS 007	IQS 007			IQS 007	IQS 007	IQS 007	
	N	211400	09-Sep-94	Spike	0.00						400.00	0.00			1000.00	1500.00	1000.00	
	N	211400	09-Sep-94	Value	<12.50						399.00	231.00			1010.00	1560.00	1010.00	
	N	211400	09-Sep-94	Lot #	IQT 007						IQT 007	IQT 007			IQT 007	IQT 007	IQT 007	
	N	211400	09-Sep-94	Spike	0.00						400.00	0.00			1000.00	1500.00	1000.00	
	N	211400	09-Sep-94	Value	<12.50						393.00	230.00			974.00	1610.00	986.00	
	N	211400	09-Sep-94	Lot #	IQT 008						IQT 008	IQT 008			IQT 008	IQT 008	IQT 008	
	N	213080	12-Sep-94	Spike														
	N	213080	12-Sep-94	Value														
	N	213080	12-Sep-94	Lot #														
	N	213080	12-Sep-94	Spike														
	N	213080	12-Sep-94	Value														
	N	213080	12-Sep-94	Lot #														

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
	N	207284	07-Sep-94	Spike				1700.00									
	N	207284	07-Sep-94	Value				1770.00									
	N	207284	07-Sep-94	Lot #				IQQ 008									
	N	207284	07-Sep-94	Spike				1700.00									
	N	207284	07-Sep-94	Value				1770.00									
	N	207284	07-Sep-94	Lot #				IQQ 009									
	N	208272	07-Sep-94	Spike													
	N	208272	07-Sep-94	Value											0.00		
	N	208272	07-Sep-94	Lot #											<30.90		
															IQP 013		
	N	208272	07-Sep-94	Spike													
	N	208272	07-Sep-94	Value											0.00		
	N	208272	07-Sep-94	Lot #											<30.90		
															IQP 014		
	N	209651	08-Sep-94	Spike													
	N	209651	08-Sep-94	Value											0.00		
	N	209651	08-Sep-94	Lot #											<30.90		
															IQS 006		
	N	209651	08-Sep-94	Spike													
	N	209651	08-Sep-94	Value											0.00		
	N	209651	08-Sep-94	Lot #											<30.90		
															IQS 007		
	N	211400	09-Sep-94	Spike													
	N	211400	09-Sep-94	Value											0.00		
	N	211400	09-Sep-94	Lot #											<30.90		
															IQT 007		
	N	211400	09-Sep-94	Spike													
	N	211400	09-Sep-94	Value											0.00		
	N	211400	09-Sep-94	Lot #											<30.90		
															IQT 008		
	N	213080	12-Sep-94	Spike		82.00											
	N	213080	12-Sep-94	Value		82.80											
	N	213080	12-Sep-94	Lot #		IXB 005											
	N	213080	12-Sep-94	Spike		82.00											
	N	213080	12-Sep-94	Value		87.00											
	N	213080	12-Sep-94	Lot #		IXB 006											

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	HG
	N	213098	12-Sep-94	Spike														
	N	213098	12-Sep-94	Value														
	N	213098	12-Sep-94	Lot #														
	N	213098	12-Sep-94	Spike														
	N	213098	12-Sep-94	Value														
	N	213098	12-Sep-94	Lot #														
	N	223247	22-Sep-94	Spike	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	N	223247	22-Sep-94	Value	<12.50	<62.90	81.70	<2.50	<5.00	<15.00	21.10	<5.11	<63.10	<100.00	<37.10	<75.00	<100.00	
	N	223247	22-Sep-94	Lot #	IQT 009	IQT 009	IQT 009	IQT 009	IQT 009	IQT 009	IQT 009	IQT 009	IQT 009	IQT 009	IQT 009	IQT 009	IQT 009	

APPENDIX I.2
Inorganics QA/QC Data

Well	QC Type	Lab #	Sample Date		CYN	NIT	PO4ORT	TPO4	ZN	AL	CA	CO	FE	K	MG	MO	NA	V
	N	213098	12-Sep-94	Spike	100.00	141.00		40.00										
	N	213098	12-Sep-94	Value	72.20	1800.00		62.30										
	N	213098	12-Sep-94	Lot #	IMJ 006	IWB 007		ISH 007										
	N	213098	12-Sep-94	Spike		141.00		40.00										
	N	213098	12-Sep-94	Value		1700.00		63.30										
	N	213098	12-Sep-94	Lot #		IWB 008		ISH 008										
	N	223247	22-Sep-94	Spike					0.00			0.00						
	N	223247	22-Sep-94	Value					46.80			<25.00						
	N	223247	22-Sep-94	Lot #					IQT 009			IQT 009						

Appendix I.3

Relative Percent Difference (RPD) Data

APPENDIX I.3
Relative Percent Difference (RPD) Data

Well		Date	Qtr (2)	IRDMIS Lot #	Lab #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN
01U064		11-Mar-94	A42	IUC 009	49689	49735	<1.00	4.23	<1.00	320.00	17.00	10.80	<1.00	<1.00	4.99	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
01U064	D	11-Mar-94	A42	IUC 011	49697	49735	<1.00	4.37	<1.00	350.00	17.00	9.76	<1.00	<1.00	5.01	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-3.20	0.00	-8.57	0.00	10.66	0.00	0.00	-0.40	0.00	0.00	0.00	0.00	0.00	0.00			
01U108		09-Dec-93	F41	IKL 007	305790	NC	34.90	22.20	<1.00	15.80		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
01U108	D	09-Dec-93	F41	IKL 005	305820	NC	4.93	2.61	<1.00	13.00		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	11.50	<1.00	<1.00	<3.20			
							607.91	750.57	0.00	21.54		0.00	0.00	0.00	0.00	0.00	0.00	93.74	0.00	0.00	0.00			
01U157		13-May-94	F43	ITF 011	106224	106330																		
01U157	D	13-May-94	F43	ITG 005	106291	106330																1.07	<0.87	<8.28
																						0.86	<0.87	<8.28
																						24.42	0.00	0.00
01U157		13-May-94	F43	IVB 008	106224	106330	<1.00	1.48	<1.00	33.60		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	0.62	<3.20			
01U157	D	13-May-94	F43	IVC 005	106291	106330	<1.00	1.62	<1.00	32.60		<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-8.64	0.00	3.07		0.00	0.00	0.00	0.00	28.21	0.00	0.00	0.00	38.00	0.00			
01U350		27-Jan-94	F42	IKN 007	13196	13234 (6)	35.80	14.70	<1.00	31.20		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	17.00	<1.00	<1.00	<3.20			
01U350	D	27-Jan-94	F42	IKN 008	13218	13234	31.80	15.00	<1.00	29.60		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	20.80	<1.00	<1.00	<3.20			
							12.58	-2.00	0.00	5.41		0.00	0.00	0.00	0.00	0.00	0.00	-18.27	0.00	0.00	0.00			
01U357		03-Aug-94	F44	IVM 008	172189	172073	<1.00	0.56	<1.00	65.00		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
01U357	D	03-Aug-94	F44	IVM 009	172200	172073	<1.00	0.56	<1.00	76.00		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-0.89	0.00	-14.47		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
01U358		07-Sep-94	F44	IVP 014	207284	207160	<1.00	0.45	<1.00	32.00		<1.90	<1.00	<1.00	<0.78	0.64	<1.30	<0.72	<1.00	<1.00	<3.20			
01U358	D	07-Sep-94	F44	IVP 015	207292	207160	<1.00	0.47	<1.00	32.50		<1.90	<1.00	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-4.26	0.00	-1.54		0.00	0.00	0.00	0.00	31.02	0.00	0.00	0.00	0.00	0.00			
01U617		01-Mar-94	A42	IKP 004	38865	39039	<1.00	1.30	<1.00	1.85	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
01U617	D	01-Mar-94	A42	IKP 005	38873	39039	<1.00	1.38	<1.00	2.27	<0.30	<1.90	<1.00	<1.00	<0.78	0.75	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-5.80	0.00	-18.50	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00			
01U621		06-Sep-94	A44	ZVO 005	206334	NC	<1.00	<0.50	<1.00	12.00	<0.30	<1.90	<1.00	<1.00	<0.78	0.27	<1.30	<0.72	<1.00	<1.00	<3.20			
01U621	D	06-Sep-94	A44	ZVO 006	206342	NC	<1.00	<0.50	<1.00	12.10	<0.30	<1.90	<1.00	<1.00	<0.78	0.26	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	-0.83	0.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	0.00	0.00			
01U902		21-Apr-94	F43	IUZ 004	83372	83402	<5.00	2.50	<5.00	87.00		<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00			
01U902	D	21-Apr-94	F43	IUZ 005	83380	83402	<5.00	1.60	<5.00	82.00		<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00			
							0.00	56.25	0.00	6.10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
01U904		13-May-94	F43	ITF 014	106259	106330																		
01U904	D	13-May-94	F43	ITG 004	106283	106330 (6)																<0.41	<0.87	<8.28
																						<0.41	<0.87	<8.28
																						0.00	0.00	0.00
01U904		13-May-94	F43	IVB 010	106259	106330	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
01U904	D	13-May-94	F43	IVC 004	106283	106330 (6)	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	1.08	<3.20			
							0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-7.41	0.00			
03F303		07-Sep-94	A44	IVR 009	210455	NA	5.10	160.00	9.30	4.60	<0.60	<3.80	41.00	2.50	4.60	1.30	<2.60	0.78	<2.00	<2.00	<6.40			
03F303	D	07-Sep-94	A44	IVR 010	210463	NA	4.90	180.00	8.60	4.60	<0.60	<3.80	41.00	2.50	4.60	1.20	<2.60	<1.40	<2.00	<2.00	<6.40			
							4.08	-11.11	8.14	0.00	0.00	0.00	0.00	0.00	0.00	8.33	0.00	44.29	0.00	0.00	0.00			
03F306		03-Mar-94	A42	IKS 014	43591	44113	<200.00	4900.00	<200.00	<100.00	<60.00	<380.00	1100.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00			
03F306	D	03-Mar-94	A42	IKS 015	43672	44113	<200.00	5600.00	<200.00	<100.00	<60.00	<380.00	1200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00			
							0.00	-12.50	0.00	0.00	0.00	0.00	-8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03L021		02-Mar-94	A42	IKT 012	40444	NC	<2.00	77.00	<2.00	2.10	<0.60	<3.80	3.50	<2.00	4.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40			
03L021	D	02-Mar-94	A42	IKT 013	40452	NC	<2.00	79.00	<2.00	2.00	<0.60	<3.80	3.70	<2.00	4.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40			
							0.00	-2.53	0.00	5.00	0.00	0.00	-5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03L084		08-Mar-94	A42	IKZ 009	46736	46809	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03L084	D	08-Mar-94	A42	IKZ 010	46744	46809	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

APPENDIX I.3
Relative Percent Difference (RPD) Data

Well		Date	Qtr (2)	IRDMIS Lot #	Lab #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN
03L091		15-Mar-94	F42	IUN 004	53341	53384 (6)	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	0.53	<1.30	<0.72	<1.00	<1.00	<3.20			
03L091	D	15-Mar-94	F42	IUM 014	53376	53384	<1.00	0.36	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	38.89	0.00	0.00		0.00	0.00	0.00	0.00	52.00	0.00	0.00	0.00	0.00	0.00			
03L138		16-Mar-94	F42	IUM 016	54615	54690	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03L138	D	16-Mar-94	F42	IUN 014	54739	54690	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	0.38	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	31.58	0.00	0.00	0.00	0.00	0.00			
03L673		06-Jun-94	A43	IVD 007	126608	126780	<25.00	2000.00	<25.00	46.00	<7.50	<48.00	<25.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00			
03L673	D	06-Jun-94	A43	IVD 008	126616	126780	<25.00	2000.00	<25.00	49.00	<7.50	<48.00	<25.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00			
							0.00	0.00	0.00	-6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03L858		22-Mar-94	F42	IUW 004	62430	62588	<1.00	8.58	<1.00	3.43		<1.90	<1.00	<1.00	<0.78	0.59	30.40	10.60	1.92	<1.00	<3.20			
03L858	D	22-Mar-94	F42	IUW 016	62561	62588	<1.00	8.67	<1.00	3.47		<1.90	<1.00	<1.00	<0.78	0.68	29.60	10.60	<1.00	<1.00	<3.20			
							0.00	-1.04	0.00	-1.15		0.00	0.00	0.00	0.00	-13.09	2.70	0.00	92.00	0.00	0.00			
03L859		14-Sep-94	A44	IVV 020	217964	218146	<1.00	5.67	<1.00	0.54	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03L859	D	14-Sep-94	A44	IVV 021	217972	218146	<1.00	5.67	<1.00	0.54	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03U019		16-Mar-94	F42	IUN 005	54623	54690	<1.00	0.51	<1.00	<0.50		<1.90	0.80	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20			
03U019	D	16-Mar-94	F42	IUN 015	54747	54690	<1.00	<0.50	<1.00	<0.50		<1.90	0.69	<1.00	<0.78	0.43	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	2.00	0.00	0.00		0.00	15.94	0.00	0.00	13.95	0.00	0.00	0.00	0.00	0.00			
03U026		16-Mar-94	F42	IUL 019	54593	54690	<1.00	30.70	<1.00	1.32		<1.90	23.40	<1.00	<0.78	0.56	<1.30	24.90	<1.00	<1.00	<3.20			
03U026	D	16-Mar-94	F42	IUN 012	54712	54690	<1.00	31.30	<1.00	1.38		<1.90	2.25	<1.00	<0.78	0.60	<1.30	25.70	<1.00	<1.00	<3.20			
							0.00	-1.92	0.00	-4.35		0.00	940.00	0.00	0.00	-7.17	0.00	-3.11	0.00	0.00	0.00			
03U075		03-Mar-94	A42	IKR 012	43494	44113	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U075	D	03-Mar-94	A42	IKR 013	43508	44113	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03U090		16-Mar-94	F42	IUL 018	54585	54690	<1.00	14.30	4.51	2.63		<1.90	38.10	<1.00	<0.78	0.56	<1.30	1.89	<1.00	<1.00	<3.20			
03U090	D	16-Mar-94	F42	IUN 011	54704	54690	<1.00	13.40	4.17	2.59		<1.90	35.90	<1.00	<0.78	0.45	<1.30	1.84	<1.00	<1.00	<3.20			
							0.00	6.72	8.15	1.54		0.00	6.13	0.00	0.00	25.11	0.00	2.72	0.00	0.00	0.00			
03U114		16-Mar-94	F42	IUL 020	54607	54690	<1.00	15.70	6.15	<0.50		<1.90	39.50	<1.00	<0.78	0.49	0.64	4.26	<1.00	<1.00	<3.20			
03U114	D	16-Mar-94	F42	IUN 013	54720	54690	<1.00	14.80	5.99	<0.50		<1.90	36.60	<1.00	<0.78	0.47	0.61	4.16	<1.00	<1.00	<3.20			
							0.00	6.08	2.67	0.00		0.00	7.92	0.00	0.00	4.26	4.92	2.40	0.00	0.00	0.00			
03U301		03-Mar-94	A42	IKU 008	44059	44113	<50.00	1800.00	<50.00	60.00	<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00			
03U301	D	03-Mar-94	A42	IKU 009	44067	44113	<50.00	1800.00	<50.00	49.00	<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00			
							0.00	0.00	0.00	22.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03U316		07-Sep-94	A44	IVR 007	210382	NA	<1.00	24.20	2.16	0.34	<0.30	<1.90	10.20	<1.00	2.00	0.99	<1.30	3.12	<1.00	<1.00	<3.20			
03U316	D	07-Sep-94	A44	IVR 008	210390	NA	<1.00	23.00	2.05	0.34	<0.30	<1.90	9.61	<1.00	1.88	0.48	<1.30	2.88	<1.00	<1.00	<3.20			
							0.00	5.22	5.37	0.00	0.00	0.00	6.14	0.00	6.38	105.21	0.00	8.33	0.00	0.00	0.00			
03U658		08-Mar-94	A42	ZUD 004	46620	46809	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U658	D	08-Mar-94	A42	IKY 007	46639	46809	<1.00	1.15	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-56.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03U705		09-Sep-94	A44	ZVU 007	211508	211540	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U705	D	09-Sep-94	A44	ZVU 008	211516	211540	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03U711		07-Sep-94	A44	IVS 008	210560	NA	15.00	1000.00	120.00	15.00	<3.00	<19.00	420.00	<10.00	87.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00			
03U711	D	07-Sep-94	A44	IVS 009	210579	NA	14.00	990.00	110.00	15.00	<3.00	<19.00	420.00	<10.00	80.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00			
							7.14	1.01	9.09	0.00	0.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00	0.00	0.00	0.00			
04J077		08-Mar-94	A42	IKZ 017	46760	46809	<25.00	800.00	54.00	20.00	<7.50	<48.00	180.00	<25.00	74.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00			
04J077	D	08-Mar-94	A42	IKZ 018	46779	46809	<50.00	910.00	59.00	<25.00	<15.00	<95.00	160.00	<50.00	74.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00			

APPENDIX 1.3
Relative Percent Difference (RPD) Data

Well		Date	Qtr (2)	IRDMIS Lot #	Lab #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN
							50.00	-12.09	-8.47	-20.00	-50.00	-49.47	12.50	-50.00	0.00	-48.00	-96.97	-50.00	-50.00	-50.00	-50.00			
04J702		07-Mar-94	A42	IKX 006	46299	NC	<1.00	32.10	<1.00	<0.50	<0.30	<1.90	2.56	<1.00	2.13	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04J702	D	07-Mar-94	A42	IKX 007	46302	NC	<1.00	36.60	<1.00	<0.50	<0.30	<1.90	2.89	<1.00	2.15	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-12.30	0.00	0.00	0.00	0.00	-11.42	0.00	-0.93	0.00	0.00	0.00	0.00	0.00	0.00			
04U007		14-Mar-94	F42	IUH 004	53090	NC	<1.00	0.36	<1.00	1.41		<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20			
04U007	D	14-Mar-94	F42	IUH 010	53171	NC	<1.00	0.51	<1.00	1.33		<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-29.41	0.00	6.02		0.00	0.00	0.00	0.00	-20.51	0.00	0.00	0.00	0.00	0.00			
04U711		04-Mar-94	A42	IKT 016	43249	44113	<1.00	5.83	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	2.42	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U711	D	04-Mar-94	A42	IKT 017	43257	44113	<1.00	6.62	<1.00	0.55	<0.30	<1.90	1.34	<1.00	2.52	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-11.93	0.00	-9.09	0.00	0.00	-25.37	0.00	-3.97	0.00	0.00	0.00	0.00	0.00	0.00			
04U806		02-Mar-94	A42	IKQ 004	40304	NC	<100.00	2300.00	140.00	65.00	<30.00	<190.00	400.00	<100.00	240.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00			
04U806	D	02-Mar-94	A42	IKQ 005	40312	NC	<100.00	2500.00	150.00	68.00	<30.00	<190.00	460.00	<100.00	250.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00			
							0.00	-8.00	-6.67	-4.41	0.00	0.00	-13.04	0.00	-4.00	0.00	0.00	0.00	0.00	0.00	0.00			
04U859		18-Mar-94	F42	IUO 014	56960	57070	<2.00	47.00	5.20	2.60		<3.80	13.00	<2.00	5.90	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40			
04U859	D	18-Mar-94	F42	IUP 013	57088	57070	<1.00	49.50	5.44	2.31		<1.90	14.10	1.03	5.78	0.44	<1.30	<0.72	<1.00	<1.00	<3.20			
							100.00	-5.05	-4.41	12.55		100.00	-7.80	94.17	2.08	127.27	100.00	94.44	100.00	100.00	100.00			
04U861		08-Jun-94	A43	ZVF 007	126748	126780	<1.00	9.69	0.70	0.33	<0.30	<1.90	2.01	<1.00	0.84	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U861	D	08-Jun-94	A43	ZVF 008	126756	126780	<1.00	10.40	0.78	0.38	<0.30	<1.90	2.18	<1.00	0.89	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-6.83	-10.26	-13.16	0.00	0.00	-7.80	0.00	-6.07	0.00	0.00	0.00	0.00	0.00	0.00			
04U864		13-Sep-94	A44	IVV 004	215341	215473	<1.00	1.79	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.77	<1.30	<0.72	<1.00	<1.00	<3.20			
04U864	D	13-Sep-94	A44	IVV 005	215350	215473	<1.00	1.82	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.83	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-6.99	0.00	0.00	0.00	0.00	0.00			
04U865		15-Sep-94	A44	IVX 010	218057	218146	<1.00	11.90	<1.00	0.36	<0.30	<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	<1.00	<1.00	<3.20			
04U865	D	15-Sep-94	A44	IVX 011	218065	218146	<1.00	12.10	<1.00	0.38	<0.30	<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-1.65	0.00	-5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
04U879		22-Mar-94	F42	IUU 020	62391	62588	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U879	D	22-Mar-94	F42	IUW 015	62553	62588 (6)	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
04U880		24-Mar-94	F42	IUV 006	63363	63410	<1.00	0.59	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U880	D	24-Mar-94	F42	IUV 012	63460	63410	<1.00	0.89	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-34.16	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
112344		20-Mar-94	F42	IUQ 011	58874	58963	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.58	<1.30	<0.72	<1.00	<1.00	<3.20			
112344	D	20-Mar-94	F42	IUQ 012	58882	58963	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00			
1291501MW		15-Mar-94	F42	IUM 012	53333	53384	<1.00	47.50	3.66	3.36		<1.90	35.60	<1.00	3.11	1.35	<1.30	0.69	<1.00	<1.00	<3.20			
1291501MW	D	15-Mar-94	F42	IUM 013	53368	53384	<1.00	51.00	4.38	3.30		<1.90	37.90	<1.00	2.99	1.27	<1.30	0.68	<1.00	<1.00	<3.20			
							0.00	-6.86	-16.44	1.82		0.00	-6.07	0.00	4.01	6.30	0.00	1.47	0.00	0.00	0.00			
206763		23-Mar-94	F42	IUT 010	60720	60755	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.30	<1.30	<0.72	<1.00	<1.00	<3.20			
206763	D	23-Mar-94	F42	IUT 011	60739	60755	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.23	0.00	0.00	0.00	0.00	0.00			
234301		22-Mar-94	F42	IUT 004	60660	60755	<1.00	2.34	<1.00	0.51	<0.30	<1.90	<1.00	<1.00	0.68	0.33	<1.30	<0.72	<1.00	0.81	<3.20			
234301	D	22-Mar-94	F42	IUT 005	60674	60755	<1.00	2.12	<1.00	0.44	0.31	<1.90	<1.00	<1.00	0.71	0.29	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	10.38	0.00	15.91	-3.23	0.00	0.00	0.00	-4.23	13.79	0.00	0.00	0.00	-19.00	0.00			
234350		18-Mar-94	F42	IUL 011	57401	57428	<1.00	110.00	1.03	4.93	<0.30	<1.90	<1.00	<1.00	1.34	0.46	<1.30	<0.72	<1.00	<1.00	<3.20			
234350	D	18-Mar-94	F42	IUL 012	57410	57428	<1.00	110.00	1.15	5.19	<0.30	<1.90	1.78	<1.00	1.43	0.57	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	-10.43	-5.01	0.00	0.00	-43.82	0.00	-6.29	-19.30	0.00	0.00	0.00	0.00	0.00			
234571		24-Mar-94	F42	IUT 017	62669	62685	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	2.94			

APPENDIX 1.3
Relative Percent Difference (RPD) Data

Well		Date	Qtr (2)	IRDMIS Lot #	Lab #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN
234571	D	24-Mar-94	F42	IUT 018	62677	62685	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.44	<1.30	<0.72	<1.00	<1.00	3.46			
							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.27	0.00	0.00	0.00	0.00	-15.03			
249137		24-Mar-94	F42	IUT 015	62642	62685	<1.00	<0.50	<1.00	<0.50	0.19	<1.90	<1.00	<1.00	<0.78	0.36	<1.30	<0.72	<1.00	<1.00	<3.20			
249137	D	24-Mar-94	F42	IUT 016	62650	62685	<1.00	<0.50	<1.00	<0.50	0.38	<1.90	<1.00	<1.00	<0.78	0.33	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00	-50.00	0.00	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00	0.00			
249601		21-Mar-94	F42	IUQ 022	59200	59226	<1.00	0.70	<1.00	0.39	<0.30	<1.90	<1.00	<1.00	<0.78	1.38	<1.30	<0.72	<1.00	<1.00	<3.20			
249601	D	21-Mar-94	F42	IUR 004	59218	59226	11.90	0.85	<1.00	0.50	<0.30	<1.90	<1.00	<1.00	0.80	1.67	<1.30	<0.72	<1.00	<1.00	<3.20			
							-91.60	-18.00	0.00	-22.00	0.00	0.00	0.00	0.00	-2.50	-17.37	0.00	0.00	0.00	0.00	0.00			
249603		17-Mar-94	F42	IUJ 006	56200	56294	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.41	<1.30	<0.72	<1.00	<1.00	<3.20			
249603	D	17-Mar-94	F42	IUJ 007	56219	56294	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.32	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.13	0.00	0.00	0.00	0.00	0.00			
249639		24-Mar-94	F42	IUS 005	63258	63282	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	<1.00	<0.78	0.75	<1.30	<0.72	<1.00	<1.00	<3.20			
249639	D	24-Mar-94	F42	IUS 006	63274	63282	<1.00	<0.50	<1.00	<0.50	<0.30	<1.90	<1.00	0.53	<0.78	0.58	<1.30	1.65	<1.00	<1.00	<3.20			
							0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.68	0.00	28.97	0.00	-56.36	0.00	0.00	0.00			
409548		21-Mar-94	F42	IUU 006	59129	59021	<1.00	2.66	0.83	<0.50		<1.90	0.77	<1.00	1.90	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
409548	D	21-Mar-94	F42	IUS 015	59048	59021	<1.00	2.96	0.87	<0.50		<1.90	0.53	<1.00	2.22	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-10.14	-4.60	0.00		0.00	45.28	0.00	-14.41	0.00	0.00	0.00	0.00	0.00	0.00			
520931		07-Jun-94	A43	IVD 016	126667	126780	<1.00	9.11	<1.00	0.46	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	1.64			
520931	D	07-Jun-94	A43	ZVF 004	126683	126780	<1.00	9.21	<1.00	0.46	<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-48.75			
520931		06-Sep-94	A44	IVS 018	212857	NC	<1.00	16.80	<1.00	0.51	<0.30	<1.90	0.58	<1.00	0.55	1.02	<1.30	<0.72	<1.00	<1.00	<3.20			
520931	D	06-Sep-94	A44	IVS 019	212865	NC	<1.00	16.10	<1.00	0.50	<0.30	<1.90	0.68	<1.00	0.56	1.19	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	4.35	0.00	2.00	0.00	0.00	-14.71	0.00	-1.79	-14.29	0.00	0.00	0.00	0.00	0.00			
E102MW		15-Mar-94	F42	IUM 008	53252	53384	<1.00	<0.50	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
E102MW	D	15-Mar-94	F42	IUM 011	53295	53384	0.72	0.38	<1.00	<0.50		<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20			
							38.89	31.58	0.00	0.00		0.00	0.00	0.00	0.00	61.29	0.00	0.00	0.00	0.00	0.00			
PJ#318		24-Mar-94	F42	IUV 008	63398	63410 (6)	<1.00	11.20	<1.00	0.32		<1.90	0.78	<1.00	0.64	0.30	<1.30	<0.72	<1.00	<1.00	<3.20			
PJ#318	D	24-Mar-94	F42	IUV 011	63444	63410 (6)	<1.00	11.30	<1.00	0.42		<1.90	0.78	<1.00	0.69	0.38	<1.30	<0.72	<1.00	<1.00	<3.20			
							0.00	-0.88	0.00	-23.81		0.00	0.00	0.00	-7.25	-21.05	0.00	0.00	0.00	0.00	0.00			

APPENDIX J

Appendix J

PGRS Hydraulic, Operational and Chemical Data

Appendix J.1

PGRS Historical Groundwater Elevation Database (Ft. AMSL)

APPENDIX J.1

PGRS HISTORICAL GROUNDWATER ELEVATION DATABASE (FT. AMSL)

Location	*TOC Elevation*	*3/31/94*	*4/28/94*	*4/29/94*	*5/2/94*	*5/9/94*	*5/16/94*	*5/23/94*	*6/20/94*	*7/19/94*	*10/10/94*
03U673	897.82	844.31	843.90	843.90	844.18	844.35	843.95	844.33	843.99	844.98	843.06
03L673	898.42	843.35	842.96	842.92	843.19	843.25	842.89	843.18	842.79	843.71	842.21
04U673	898.84	844.04	843.65	843.61	843.88	843.93	843.58	843.84	843.45	844.43	842.93
03U832	886.82	835.06	834.81	834.82	835.25	835.04	834.44	834.31	833.55	833.48	832.65
03L832	886.85	834.90	834.64	834.70	835.13	834.91	834.31	834.14	833.33	833.25	832.49
04U832	885.31	834.74	834.50	834.61	835.02	834.81	834.19	833.99	833.19	833.09	832.39
03L841	911.92	842.77	842.29	842.27	842.53	842.57	842.27	842.51	842.11	843.38	841.49
04U841	913.17	843.61	843.15	843.14	843.39	843.42	843.09	843.30	842.90	844.25	842.41
04U844	886.79	834.77	834.44	834.50	834.91	834.70	834.10	833.95	833.23	833.25	832.34
04U845	894.94	836.49	836.23	836.33	836.72	836.54	835.96	835.86	835.19	835.32	834.26
03L846	888.54	831.04	832.39	832.44	832.69	832.45	832.07	831.96	831.16	830.78	830.16
04U846	889.46	--	831.32	831.91	832.15	831.68	831.18	830.91	830.06	829.74	829.44
03M848	905.5	842.77	842.42	842.40	842.68	842.79	842.39	842.69	842.22	842.84	841.13
03L848	905.31	843.24	842.86	842.85	843.12	843.21	842.80	843.09	842.58	843.35	841.68
04U848	904.85	843.50	843.13	843.10	843.35	843.39	843.03	843.29	842.87	843.95	842.20
04U851	914.51	831.38	830.84	830.88	831.60	831.26	830.60	830.23	829.20	829.01	828.85
04U852	905.66	829.28	828.93	828.86	829.51	829.29	828.53	827.90	Plugged	826.62	826.83
03L854	892.41	838.88	838.57	838.58	838.88	839.03	838.55	838.81	838.26	838.30	836.93
04U854	891.95	835.14	834.87	835.10	835.49	835.23	834.58	834.44	833.63	833.60	832.83
03L859	903.55	839.48	839.09	839.08	839.40	839.50	839.04	839.30	838.79	839.07	837.48
04U859	903.73	842.22	841.78	841.79	842.05	842.08	841.71	841.92	841.51	842.57	840.83
03L860	896.79	839.10	838.84	838.81	839.12	839.28	838.78	839.09	838.51	838.54	837.22
04U860	896.61	835.04	834.84	835.00	835.35	835.11	834.47	834.31	833.57	833.41	832.75

APPENDIX J.1

PGRS HISTORICAL GROUNDWATER ELEVATION DATABASE (FT. AMSL)

Location	*TOC Elevation*	*3/31/94*	*4/28/94*	*4/29/94*	*5/2/94*	*5/9/94*	*5/16/94*	*5/23/94*	*6/20/94*	*7/19/94*	*10/10/94*
03L861	891.35	837.47	837.14	837.15	837.47	837.54	836.99	837.17	836.55	836.54	835.25
04U861	890.91	835.25	835.00	835.13	835.53	835.30	834.71	834.53	833.78	833.76	832.97
04U863	895.33	834.59	834.38	834.40	834.95	834.73	834.02	833.82	832.92	832.79	832.18
04U864	908.67	832.70	831.25	831.28	832.89	832.27	830.77	830.76	829.72	829.55	829.07
04J864	908.79	828.03	828.26	827.87	828.51	828.76	827.29	826.49	825.46	825.93	825.04
04U865	915.6	833.30	831.59	831.62	833.75	832.68	831.35	831.14	830.22	830.04	829.54
04U866	910.6	832.05	830.35	830.44	832.08	831.65	830.15	829.96	828.90	828.72	828.28
04J866	910.69	828.73	828.54	828.54	829.17	829.48	827.90	827.25	826.26	826.71	825.71
04U877	923.08	831.30	830.62	830.83	831.45	831.11	830.61	830.30	829.34	828.98	828.84
MPCA1L3	898.25	838.03	837.63	837.64	837.97	838.01	837.51	837.70	837.13	837.27	835.82
MPCA1U4	898.6	836.33	835.95	836.02	836.38	836.19	835.69	835.64	835.03	835.22	834.05
MPCA2L3	872.05	833.60	833.25	833.32	833.77	833.45	832.93	832.75	831.94	831.81	831.12
MPCA2U4	872.19	832.71	832.24	832.41	832.89	832.52	831.96	831.78	830.93	830.71	830.14
414U4	893.93	834.31	834.00	834.02	834.70	834.43	833.66	833.42	832.53	832.41	831.89
MW15H	911.52	834.81	834.60	834.62	835.04	834.76	834.14	834.12	833.30	833.12	832.36
NB WELL 13	914.66	--	822.16	822.21	822.66	830.87	821.81	--	820.58	820.26	819.41

Note:

(--) - Not Taken

Appendix J.2

Daily Pumping Summary for 1994
PGRS, TCAAP (Gallons)

APPENDIX J.2

DAILY PUMPING SUMMARY FOR 1994
PGRS, TCAAP (GALLONS)

Day	*May*	*June*	*July*	*August*	*September*	*Total*
1	0	1,369,000	1,413,000	1,343,000	1,441,000	
2	0	1,449,000	1,319,000	1,388,000	1,428,000	
3	1,018,000	1,052,000	1,350,000	1,440,000	1,391,000	
4	1,350,000	1,491,000	1,395,000	1,459,000	1,386,000	
5	1,332,000	1,209,000	1,327,000	1,432,000	1,404,000	
6	1,225,000	1,144,000	1,457,000	1,098,000	1,358,000	
7	1,327,000	1,356,000	1,480,000	1,150,000	1,420,000	
8	1,362,000	1,111,000	1,340,000	1,200,000	1,464,000	
9	1,360,000	1,399,000	1,450,000	1,152,000	1,320,000	
10	1,453,000	1,471,000	1,460,000	1,793,000	1,376,000	
11	1,407,000	1,498,000	1,396,000	756,000	1,483,000	
12	1,408,000	1,460,000	1,444,000	432,000	1,481,000	
13	1,449,000	1,267,000	1,415,000	1,454,000	1,424,000	
14	1,386,000	1,458,000	1,108,000	1,454,000	1,414,000	
15	1,492,000	1,410,000	1,420,000	1,523,000	0	
16	1,527,000	1,454,000	1,511,000	1,346,000	1,329,000	
17	1,424,000	1,410,000	1,449,000	1,413,000	1,426,000	
18	1,869,000	1,628,000	1,421,000	1,442,000	1,455,000	
19	1,261,000	1,252,000	1,423,000	1,414,000	1,456,000	
20	1,444,000	1,455,000	1,618,000	1,419,000	1,408,000	
21	1,442,000	1,353,000	1,256,000	1,585,000	1,474,000	
22	1,464,000	1,556,000	1,458,000	1,331,000	1,411,000	
23	1,348,000	1,258,000	1,243,000	1,373,000	1,593,000	
24	1,385,000	1,462,000	1,575,000	1,458,000	1,351,000	
25	1,322,000	1,496,000	1,482,000	1,414,000	1,379,000	
26	1,699,000	1,460,000	1,462,000	1,459,000	1,478,000	
27	904,000	1,466,000	1,443,000	1,470,000	1,000,000	
28	1,231,000	1,336,000	1,303,000	1,526,000	1,437,000	
29	1,177,000	1,403,000	1,288,000	1,440,000	1,454,000	
30	1,289,000	1,464,000	1,580,000	1,456,000	1,427,000	
31	1,162,000	--	1,423,000	1,396,000	--	
Total	39,517,000	41,597,000	43,709,000	42,016,000	40,868,000	207,707,000

Appendix J.3

1994 PGRS, TCAAP Influent/Effluent Database

APPENDIX J.3
1994 PGRS, TCAAP INFLUENT/EFFLUENT DATABASE

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
NB13E	04/18/94	111TCE	CR	PC	<	1	UGL	
NB13E	05/03/94	111TCE	CR	PC	<	1	UGL	
NB13E	06/07/94	111TCE	CR	PC	<	1	UGL	
NB13E	07/05/94	111TCE	CR	PC	<	1	UGL	
NB13E	08/02/94	111TCE	CR	PC	<	1	UGL	
NB13E	09/06/94	111TCE	CR	PC	<	1	UGL	L
NB13E	04/18/94	112TCE	CR	PC	<	1	UGL	
NB13E	05/03/94	112TCE	CR	PC	<	1	UGL	
NB13E	06/07/94	112TCE	CR	PC	<	1	UGL	
NB13E	07/05/94	112TCE	CR	PC	<	1	UGL	
NB13E	08/02/94	112TCE	CR	PC	<	1	UGL	
NB13E	09/06/94	112TCE	CR	PC	<	1	UGL	L
NB13E	04/18/94	11DCE	CR	PC	<	1	UGL	
NB13E	05/03/94	11DCE	CR	PC	<	1	UGL	
NB13E	06/07/94	11DCE	CR	PC	<	1	UGL	
NB13E	07/05/94	11DCE	CR	PC	<	1	UGL	
NB13E	08/02/94	11DCE	CR	PC	<	1	UGL	JR
NB13E	09/06/94	11DCE	CR	PC	<	1	UGL	L
NB13E	04/18/94	11DCLE	CR	PC	<	0.78	UGL	
NB13E	05/03/94	11DCLE	CR	PC	<	0.78	UGL	
NB13E	06/07/94	11DCLE	CR	PC	<	0.78	UGL	
NB13E	07/05/94	11DCLE	CR	PC	<	0.78	UGL	
NB13E	08/02/94	11DCLE	CR	PC	<	0.78	UGL	
NB13E	09/06/94	11DCLE	CR	PC	<	0.78	UGL	L
NB13E	04/18/94	12DCE	CR	PC	<	0.5	UGL	
NB13E	05/03/94	12DCE	CR	PC	<	0.5	UGL	
NB13E	06/07/94	12DCE	CR	PC	<	0.5	UGL	
NB13E	07/05/94	12DCE	CR	PC	<	0.5	UGL	
NB13E	08/02/94	12DCE	CR	PC	<	0.5	UGL	
NB13E	09/06/94	12DCE	CR	PC	<	0.5	UGL	L
NB13E	04/18/94	12DCLE	CR	PC		0.323	UGL	1
NB13E	05/03/94	12DCLE	CR	PC		0.494	UGL	1
NB13E	06/07/94	12DCLE	CR	PC	<	0.5	UGL	
NB13E	07/05/94	12DCLE	CR	PC	<	0.5	UGL	
NB13E	08/02/94	12DCLE	CR	PC	<	0.5	UGL	J
NB13E	09/06/94	12DCLE	CR	PC		0.936	UGL	L
NB13E	04/18/94	12DCLP	CR	PC	<	1	UGL	
NB13E	05/03/94	12DCLP	CR	PC	<	1	UGL	
NB13E	06/07/94	12DCLP	CR	PC	<	1	UGL	
NB13E	07/05/94	12DCLP	CR	PC	<	1	UGL	
NB13E	08/02/94	12DCLP	CR	PC	<	1	UGL	
NB13E	09/06/94	12DCLP	CR	PC	<	1	UGL	L
NB13E	04/18/94	C2H3CL	CR	PC	<	1.9	UGL	
NB13E	05/03/94	C2H3CL	CR	PC	<	1.9	UGL	
NB13E	06/07/94	C2H3CL	CR	PC	<	1.9	UGL	
NB13E	07/05/94	C2H3CL	CR	PC	<	1.9	UGL	

APPENDIX J.3
1994 PGRS, TCAAP INFLUENT/EFFLUENT DATABASE

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
NB13E	08/02/94	C2H3CL	CR	PC	<	1.9	UGL	
NB13E	09/06/94	C2H3CL	CR	PC	<	1.9	UGL	L
NB13E	04/18/94	CCL4	CR	PC	<	1.3	UGL	
NB13E	05/03/94	CCL4	CR	PC	<	1.3	UGL	
NB13E	06/07/94	CCL4	CR	PC	<	1.3	UGL	
NB13E	07/05/94	CCL4	CR	PC	<	1.3	UGL	
NB13E	08/02/94	CCL4	CR	PC	<	1.3	UGL	
NB13E	09/06/94	CCL4	CR	PC	<	1.3	UGL	L
NB13E	04/18/94	CH2CL2	CR	PC	<	3.2	UGL	
NB13E	05/03/94	CH2CL2	CR	PC	<	3.2	UGL	
NB13E	06/07/94	CH2CL2	CR	PC	<	3.2	UGL	
NB13E	07/05/94	CH2CL2	CR	PC	<	3.2	UGL	
NB13E	08/02/94	CH2CL2	CR	PC	<	3.2	UGL	
NB13E	09/06/94	CH2CL2	CR	PC	<	3.2	UGL	L
NB13E	04/18/94	CHCL3	CR	PC	<	0.72	UGL	
NB13E	05/03/94	CHCL3	CR	PC	<	0.72	UGL	
NB13E	06/07/94	CHCL3	CR	PC	<	0.72	UGL	
NB13E	07/05/94	CHCL3	CR	PC	<	0.72	UGL	
NB13E	08/02/94	CHCL3	CR	PC	<	0.72	UGL	
NB13E	09/06/94	CHCL3	CR	PC	<	0.72	UGL	L
NB13E	04/18/94	T12DCE	CR	PC	ND	0.3	UGL	T
NB13E	05/03/94	T12DCE	CR	PC	ND	0.3	UGL	T
NB13E	06/07/94	T12DCE	CR	PC	ND	0.3	UGL	T
NB13E	07/05/94	T12DCE	CR	PC	ND	0.3	UGL	T
NB13E	08/02/94	T12DCE	CR	PC	ND	0.3	UGL	T
NB13E	09/06/94	T12DCE	CR	PC	ND	0.3	UGL	TL
NB13E	04/18/94	TCLEE	CR	PC	<	1	UGL	
NB13E	05/03/94	TCLEE	CR	PC	<	1	UGL	
NB13E	06/07/94	TCLEE	CR	PC	<	1	UGL	
NB13E	07/05/94	TCLEE	CR	PC	<	1	UGL	
NB13E	08/02/94	TCLEE	CR	PC	<	1	UGL	
NB13E	09/06/94	TCLEE	CR	PC	<	1	UGL	L
NB13E	04/18/94	TCLTFE	CR	PC	<	1	UGL	
NB13E	05/03/94	TCLTFE	CR	PC	<	1	UGL	
NB13E	06/07/94	TCLTFE	CR	PC	<	1	UGL	
NB13E	07/05/94	TCLTFE	CR	PC		0.621	UGL	1
NB13E	08/02/94	TCLTFE	CR	PC	<	1	UGL	
NB13E	09/06/94	TCLTFE	CR	PC	<	1	UGL	L
NB13E	04/18/94	TRCLE	CR	PC	<	0.5	UGL	
NB13E	05/03/94	TRCLE	CR	PC		0.325	UGL	1
NB13E	06/07/94	TRCLE	CR	PC	<	0.5	UGL	
NB13E	07/05/94	TRCLE	CR	PC	<	0.5	UGL	
NB13E	08/02/94	TRCLE	CR	PC	<	0.5	UGL	
NB13E	09/06/94	TRCLE	CR	PC	<	0.5	UGL	L
NB13I	04/18/94	111TCE	CR	PC		5.5	UGL	
NB13I	05/03/94	111TCE	CR	PC	<	1	UGL	

APPENDIX J.3
1994 PGRS, TCAAP INFLUENT/EFFLUENT DATABASE

Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*		*Units*	*Qual*
NB13I	06/07/94	111TCE	CR	PC	<	1	UGL	D
NB13I	06/07/94	111TCE	CR	PC	<	1	UGL	
NB13I	07/05/94	111TCE	CR	PC	<	1	UGL	
NB13I	08/02/94	111TCE	CR	PC		0.848	UGL	1
NB13I	09/06/94	111TCE	CR	PC		0.575	UGL	1L
NB13I	09/06/94	111TCE	CR	PC		0.679	UGL	D1L
NB13I	04/18/94	112TCE	CR	PC	<	1	UGL	
NB13I	05/03/94	112TCE	CR	PC	<	1	UGL	
NB13I	06/07/94	112TCE	CR	PC	<	1	UGL	
NB13I	06/07/94	112TCE	CR	PC	<	1	UGL	D
NB13I	07/05/94	112TCE	CR	PC	<	1	UGL	
NB13I	08/02/94	112TCE	CR	PC	<	1	UGL	
NB13I	09/06/94	112TCE	CR	PC	<	1	UGL	L
NB13I	09/06/94	112TCE	CR	PC	<	1	UGL	DL
NB13I	04/18/94	11DCE	CR	PC	<	1	UGL	
NB13I	05/03/94	11DCE	CR	PC	<	1	UGL	
NB13I	06/07/94	11DCE	CR	PC	<	1	UGL	
NB13I	06/07/94	11DCE	CR	PC	<	1	UGL	D
NB13I	07/05/94	11DCE	CR	PC	<	1	UGL	
NB13I	08/02/94	11DCE	CR	PC	<	1	UGL	JR
NB13I	09/06/94	11DCE	CR	PC	<	1	UGL	L
NB13I	09/06/94	11DCE	CR	PC	<	1	UGL	DL
NB13I	04/18/94	11DCLE	CR	PC	<	0.78	UGL	
NB13I	05/03/94	11DCLE	CR	PC	<	0.78	UGL	
NB13I	06/07/94	11DCLE	CR	PC	<	0.78	UGL	
NB13I	06/07/94	11DCLE	CR	PC	<	0.78	UGL	D
NB13I	07/05/94	11DCLE	CR	PC	<	0.78	UGL	
NB13I	08/02/94	11DCLE	CR	PC	<	0.78	UGL	
NB13I	09/06/94	11DCLE	CR	PC		0.554	UGL	1L
NB13I	09/06/94	11DCLE	CR	PC		0.556	UGL	D1L
NB13I	04/18/94	12DCE	CR	PC		0.349	UGL	1
NB13I	05/03/94	12DCE	CR	PC		0.397	UGL	1
NB13I	06/07/94	12DCE	CR	PC		0.46	UGL	1D
NB13I	06/07/94	12DCE	CR	PC		0.455	UGL	1
NB13I	07/05/94	12DCE	CR	PC		0.508	UGL	1
NB13I	08/02/94	12DCE	CR	PC		0.529	UGL	1
NB13I	09/06/94	12DCE	CR	PC		0.513	UGL	1L
NB13I	09/06/94	12DCE	CR	PC		0.497	UGL	D1L
NB13I	04/18/94	12DCLE	CR	PC		0.532	UGL	
NB13I	05/03/94	12DCLE	CR	PC		0.543	UGL	
NB13I	06/07/94	12DCLE	CR	PC	<	0.5	UGL	D
NB13I	06/07/94	12DCLE	CR	PC	<	0.5	UGL	
NB13I	07/05/94	12DCLE	CR	PC	<	0.5	UGL	
NB13I	08/02/94	12DCLE	CR	PC	<	0.5	UGL	J
NB13I	09/06/94	12DCLE	CR	PC		1.02	UGL	L
NB13I	09/06/94	12DCLE	CR	PC		1.19	UGL	DL

APPENDIX J.3
1994 PGRS, TCAAP INFLUENT/EFFLUENT DATABASE

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration		Units	Qual
NB13I	04/18/94	12DCLP	CR	PC	<	1	UGL	
NB13I	05/03/94	12DCLP	CR	PC	<	1	UGL	
NB13I	06/07/94	12DCLP	CR	PC	<	1	UGL	D
NB13I	06/07/94	12DCLP	CR	PC	<	1	UGL	
NB13I	07/05/94	12DCLP	CR	PC	<	1	UGL	
NB13I	08/02/94	12DCLP	CR	PC	<	1	UGL	
NB13I	09/06/94	12DCLP	CR	PC	<	1	UGL	L
NB13I	09/06/94	12DCLP	CR	PC	<	1	UGL	DL
NB13I	06/07/94	AS	CR	PC	ND	3	UGL	
NB13I	09/06/94	AS	CR	PC	ND	3	UGL	
NB13I	04/18/94	C2H3CL	CR	PC	<	1.9	UGL	
NB13I	05/03/94	C2H3CL	CR	PC	<	1.9	UGL	
NB13I	06/07/94	C2H3CL	CR	PC	<	1.9	UGL	D
NB13I	06/07/94	C2H3CL	CR	PC	<	1.9	UGL	
NB13I	07/05/94	C2H3CL	CR	PC	<	1.9	UGL	
NB13I	08/02/94	C2H3CL	CR	PC	<	1.9	UGL	
NB13I	09/06/94	C2H3CL	CR	PC	<	1.9	UGL	L
NB13I	09/06/94	C2H3CL	CR	PC	<	1.9	UGL	DL
NB13I	04/18/94	CCL4	CR	PC	<	1.3	UGL	
NB13I	05/03/94	CCL4	CR	PC	<	1.3	UGL	
NB13I	06/07/94	CCL4	CR	PC	<	1.3	UGL	
NB13I	06/07/94	CCL4	CR	PC	<	1.3	UGL	D
NB13I	07/05/94	CCL4	CR	PC	<	1.3	UGL	
NB13I	08/02/94	CCL4	CR	PC	<	1.3	UGL	
NB13I	09/06/94	CCL4	CR	PC	<	1.3	UGL	L
NB13I	09/06/94	CCL4	CR	PC	<	1.3	UGL	DL
NB13I	04/18/94	CH2CL2	CR	PC	<	3.2	UGL	
NB13I	05/03/94	CH2CL2	CR	PC	<	3.2	UGL	
NB13I	06/07/94	CH2CL2	CR	PC		1.64	UGL	1
NB13I	06/07/94	CH2CL2	CR	PC	<	3.2	UGL	D
NB13I	07/05/94	CH2CL2	CR	PC	<	3.2	UGL	
NB13I	08/02/94	CH2CL2	CR	PC	<	3.2	UGL	
NB13I	09/06/94	CH2CL2	CR	PC	<	3.2	UGL	L
NB13I	09/06/94	CH2CL2	CR	PC	<	3.2	UGL	DL
NB13I	04/18/94	CHCL3	CR	PC	<	0.72	UGL	
NB13I	05/03/94	CHCL3	CR	PC	<	0.72	UGL	
NB13I	06/07/94	CHCL3	CR	PC	<	0.72	UGL	
NB13I	06/07/94	CHCL3	CR	PC	<	0.72	UGL	D
NB13I	07/05/94	CHCL3	CR	PC	<	0.72	UGL	
NB13I	08/02/94	CHCL3	CR	PC	<	0.72	UGL	
NB13I	09/06/94	CHCL3	CR	PC	<	0.72	UGL	L
NB13I	09/06/94	CHCL3	CR	PC	<	0.72	UGL	DL
NB13I	04/18/94	T12DCE	CR	PC	ND	0.3	UGL	T
NB13I	05/03/94	T12DCE	CR	PC	ND	0.3	UGL	T
NB13I	06/07/94	T12DCE	CR	PC	ND	0.3	UGL	TD
NB13I	06/07/94	T12DCE	CR	PC	ND	0.3	UGL	T

APPENDIX J.3
1994 PGRS, TCAAP INFLUENT/EFFLUENT DATABASE

Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*		*Units*	*Qual*
NB13I	07/05/94	T12DCE	CR	PC	ND	0.3	UGL	T
NB13I	08/02/94	T12DCE	CR	PC	ND	0.3	UGL	T
NB13I	09/06/94	T12DCE	CR	PC	ND	0.3	UGL	TL
NB13I	09/06/94	T12DCE	CR	PC	ND	0.3	UGL	TDL
NB13I	04/18/94	TCLEE	CR	PC	<	1	UGL	
NB13I	05/03/94	TCLEE	CR	PC	<	1	UGL	
NB13I	06/07/94	TCLEE	CR	PC	<	1	UGL	
NB13I	06/07/94	TCLEE	CR	PC	<	1	UGL	D
NB13I	07/05/94	TCLEE	CR	PC	<	1	UGL	
NB13I	08/02/94	TCLEE	CR	PC	<	1	UGL	
NB13I	09/06/94	TCLEE	CR	PC	<	1	UGL	L
NB13I	09/06/94	TCLEE	CR	PC	<	1	UGL	DL
NB13I	04/18/94	TCLTFE	CR	PC	<	1	UGL	
NB13I	05/03/94	TCLTFE	CR	PC	<	1	UGL	
NB13I	06/07/94	TCLTFE	CR	PC	<	1	UGL	
NB13I	06/07/94	TCLTFE	CR	PC	<	1	UGL	D
NB13I	07/05/94	TCLTFE	CR	PC	<	1	UGL	
NB13I	08/02/94	TCLTFE	CR	PC	<	1	UGL	
NB13I	09/06/94	TCLTFE	CR	PC	<	1	UGL	L
NB13I	09/06/94	TCLTFE	CR	PC	<	1	UGL	DL
NB13I	04/18/94	TRCLE	CR	PC		6.83	UGL	
NB13I	05/03/94	TRCLE	CR	PC		6.73	UGL	
NB13I	06/07/94	TRCLE	CR	PC		9.11	UGL	
NB13I	06/07/94	TRCLE	CR	PC		9.21	UGL	D
NB13I	07/05/94	TRCLE	CR	PC		13.4	UGL	
NB13I	08/02/94	TRCLE	CR	PC		15.1	UGL	
NB13I	09/06/94	TRCLE	CR	PC		16.8	UGL	L
NB13I	09/06/94	TRCLE	CR	PC		16.1	UGL	DL

Notes:
CR Conestoga-Rovers & Associates
PC Pace Laboratories
ND Not detected
D Duplicate analysis
R Non-target compound analyzed for but not detected (GC/MS methods)
J Value is estimated
1 Result is less than the Certified Reporting Limit but greater than the Criteria of Detection
T Non-target compound analyzed for but not detected (non-GC/MS methods)