INSTALLATION RESTORATION PROGRAM
TWIN CITIES ARMY AMMUNITION PLANT

FISCAL YEAR 1992 ANNUAL MONITORING REPORT

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Other requests for the documents
must be referred to:

Commander
Twin Cities Army Ammunition Plant
New Brighton, Minnesota
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Prepared for:

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Aberdeen Proving Ground, Maryland 21010-5401

JULY 1993
FINAL REPORT

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

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JULY 1993
FINAL REPORT

FEDERAL CARTRIDGE COMPANY
WENCK ASSOCIATES, INC.

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

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Table of Contents
TCAAP
FY 1992 Annual Monitoring Report

Page

EXECUTIVE SUMMARY 1

I. INTRODUCTION 3

II. BACKGROUND 5

A. Site Description 5
B. Hydrogeologic Units and Well Nomenclature 6
C. Data Management 8

III. SUMMARY OF RELEVANT ACTIVITIES IN FISCAL YEAR 1992 . . . 9

A. Modifications to the FFA 9
B. Modifications to the Monitoring System 9

IV. DATA COLLECTION AND PRESENTATION 11

A. Groundwater Levels 11
1. Data Collection and Management 11
2. Hydrographs 13
3. Groundwater Elevation Contour Maps 13
B. Groundwater Quality 14
1. Data Collection and Management 14
2. Exceedances of Groundwater Action Criteria 16
3. Groundwater Quality Contour Maps and Cross Sections 16
4. Water Quality Trend Figures 18
C. Surface Water Quality 19

V. DISCUSSION OF GROUNDWATER FLOW 20

A. Upper Unit 1 20
B. Upper Unit 3 20
C. Lower Unit 3 21
D. Upper Unit 4 21
E. Summary 22

Table of Contents, Cont.

Page

VI. DISCUSSION OF GROUNDWATER QUALITY FOR THE OVERALL STUDY AREA 23

A. Upper Unit 1 23
B. Upper Unit 3 24
1. Background Conditions 24
2. Contaminant Plume Characterization 24
a. Trichloroethene 24
b. 1,1,1-Trichloroethane 28
C. Lower Unit 3 30
1. Background Conditions 30
2. Contaminant Plume Characterization 31
a. Trichloroethene 31
b. 1,1,1-Trichloroethane 34
D. Upper Unit 4 35
1. Background Conditions 35
2. Contaminant Plume Characterization 36
a. Trichloroethene 36
b. 1,1,1-Trichloroethane 39
E. Vinyl Chloride 40
F. Summary 40

VII. DISCUSSION OF GROUNDWATER QUALITY FOR SPECIFIC AREAS 43

A. Known or Potential Source Areas 43
1. Site A (refer to Section IX) 43
2. Site B 43
3. Site C 44
4. Site D 44
5. Site E 46
6. Site F 47
7. Site G 49
8. Site H 50
9. Site I (refer to Section XII) 51
10. Site J 51
11. Site K (refer to Section XI) 51
12. Site 129-3 52
13. Site 129-5 52
14. Site 129-15 53
15. Gravel Pit 54

Table of Contents, Cont.

Page

VII. DISCUSSION OF GROUNDWATER QUALITY FOR SPECIFIC AREAS (continued)

B. Bedrock Valley 55
C. Miscellaneous On-Post Wells 57
D. Off-Post 58
E. Summary 59

VIII. DISCUSSION OF SURFACE WATER QUALITY 60

IX. EVALUATION OF SITE A INTERIM REMEDIAL ACTION 62

A. Introduction 62
1. Location 62
2. Geology 62
B. Groundwater Flow Evaluation 63
1. Summary of 1992 Monitoring Activities 63
2. Flow Direction 63
3. Groundwater Level Trends 65
C. Groundwater Quality Evaluation 65
1. Summary of 1992 Monitoring Activities 65
2. Contaminant Plume Definition 66
a. cis-1,2-Dichloroethene 67
b. Trichloroethene 68
c. Tetrachlorethene 70
d. Aromatic VOCs 71
e. Metals 71
D. Recovery System Operation Evaluation 72
1. System Description 72
2. System Maintenance 73
3. Treatment Volumes and Efficiency 74
4. Contaminant Quantities Recovered 75
5. Capture Zone Evaluation 75

Table of Contents, Cont.

Page

X. EVALUATION OF TGRS INTERIM REMEDIAL ACTION 78

A. Objectives 85
1. Chemical/Hydraulic Capture Delineation 85
2. Treatment System Performance Assessment 86
B. System Design Approach Summary 86
1. BGRS Pumping Tests 86
2. TGRS Design 87
C. TGRS Engineering Controls 89
1. Summary of Operation 90
2. System Operating Specifications 91
3. 1992 Operational Performance 93
a. Overall System Performance 93
b. Monthly Flow Reports 93
c. Extraction Well Down Time and System Down Time 93
d. Description of Down Time Areas 94
e. 1992 Operating Performance 94
D. Hydraulic Performance 96
1. Vertical Gradients 97
2. Arsenal Sand and Gravel Pit Discharge Water Balance 98
E. Chemical Performance Assessment 98
1. VOC Plumes 98
2. Extracted Groundwater Quality 101
3. Groundwater Treatment 104
a. VOCs 104
b. Priority Pollutant Scan 104
c. Metals 105
d. Total Phosphorus and Ortho Phosphate 105
4. Air Emissions 106

Table of Contents, Cont.

Page

XI. EVALUATION OF SITE K INTERIM REMEDIAL ACTION 107

A. Background 107
B. Remedial Program 108
C. Monitoring 109
1. Treatment System 109
2. Groundwater Monitoring 109
D. Site Hydrogeology 110
E. Performance 110
F. Conclusions 112

XII. EVALUATION OF SITE I INTERIM REMEDIAL ACTION 113

XIII. CONCLUSIONS 114

XIV. FISCAL YEAR 1994 ANNUAL MONITORING PLAN 118

A. Fiscal Year 1994 Groundwater Quality Monitoring Plan 118
B. Fiscal Year 1994 Groundwater Level Monitoring Plan 120
C. Fiscal Year 1994 Surface Water Monitoring Plan 121
D. Fiscal Year 1994 Reporting 121
1. Quarterly Reports 121
2. Annual Report 122

XV. REFERENCES 123

Table of Contents, Cont.

TABLES

1 TCAAP Groundwater Elevation Data
2 TCAAP Groundwater Quality Data (Organics)
3 TCAAP Groundwater Quality Data (Inorganics)
4 TCAAP GW and SW Pesticide and PCB Data
5 TCAAP Exceedance of Groundwater Action Criteria (Organics)
6 TCAAP Surface Water Quality Data (Organics)
7 TCAAP Surface Water Quality Data (Inorganics)
8 Site A Performance Data
9 TGRS Groundwater Capture and Treatment Requirements
10 Summary of BGRS Pumping Test Results
11 1992 Extraction Well Practical Operating Pumping Rates
12 Extraction Well Shut Down Sequence
13 Alliant Techsystems TGRS Extraction Well Water Pumped for the Year 1992
14 Alliant Techsystems TGRS Treatment Center Water Meter Totals for the Year 1992
15 Down Time Days
16 Down Time Days by Category - 1992
17 TCAAP Vertical Hydraulic Gradients
18 TGRS VOC Mass Loading Summary
19 Historical VOC Concentration in TGRS Extraction Wells
20 1992 Influent/Effluent Sampling Summary
21 Historical Metals and Cyanide Concentrations for TGRS Treatment System
22 Total Phosphorus and Ortho Phosphate Concentrations
23 Target Volatile Organic Compounds Building 103 VOC Remediation
24 Effluent Target Compounds Building 103 VOC Remediation
25 Groundwater Elevations
26 1992 Annual Assessment Report Monitoring Well Quarterly Sampling Results
27 Building 103 Treatment System Concentrations
28 1992 Annual Effluent Priority Pollutant Results
29 1992 Site I Monitoring Data
30 FY 94 Groundwater Quality Monitoring Plan
31 Interim Remedial Action Treatment System Monitoring
32 FY 94 Groundwater Level Monitoring Plan
33 National Pollutant Discharge Elimination System (NPDES) Monitoring Plan

Table of Contents, Cont.

	FIGURES	Corresponding Plan Sheet
1	Site Location Map	
2	Hydrographs: Site A	
3	On-Post, Groundwater Elevations, Upper Unit 3, Spring 1992 (Q34)	5
4	On-Post, Groundwater Elevations, Upper Unit 3, Fall 1992 (Q36)	6
5	Off-Post, Groundwater Elevations, Upper Unit 3, Spring 1992 (Q34)	7
6	On-Post, Groundwater Elevations, Lower Unit 3, Spring 1992 (Q34)	8
7	On-Post, Groundwater Elevations, Lower Unit 3, Fall 1992 (Q36)	9
8	Off-Post, Groundwater Elevations, Lower Unit 3, Spring 1992 (Q34)	10
9	On-Post, Groundwater Elevations, Upper Unit 4, Spring 1992 (Q34)	11
10	On-Post Groundwater Elevations, Upper Unit 4, Fall 1992 (Q36)	12
11	Off-Post, Groundwater Elevations, Upper Unit 4, Spring 1992 (Q34)	13
12	On-Post, Trichloroethene, Upper Unit 3, Spring 1992 (Q34)	14
13	Off-Post, Trichloroethene, Upper Unit 3, Spring 1992 (Q34)	15
14	On-Post, 1,1,1-Trichloroethane, Upper Unit 3, Spring 1992 (Q34)	16
15	Off-Post, 1,1,1-Trichloroethane, Upper Unit 3, Spring 1992 (Q34)	17
16	On-Post, Trichloroethene, Lower Unit 3, Spring 1992 (Q34)	18
17	Off-Post, Trichloroethene, Lower Unit 3, Spring 1992 (Q34)	19
18	On-Post, 1,1,1-Trichloroethane, Lower Unit 3, Spring 1992 (Q34)	20
19	Off-Post, 1,1,1-Trichloroethane, Lower Unit 3, Spring 1992 (Q34)	21
20	On-Post, Trichloroethene, Upper Unit 4, Spring 1992 (Q34)	22
21	Off-Post, Trichloroethene, Upper Unit 4, Spring 1992 (Q34)	23
22	On-Post, 1,1,1-Trichloroethane, Upper Unit 4, Spring 1992 (Q34)	24
23	Off-Post, 1,1,1-Trichloroethane, Upper Unit 4, Spring 1992 (Q34)	25
24	Trichloroethene Cross-Sections A-A′ and B-B′, Spring 1992 (Q34)	26
25	1,1,1-Trichloroethane Cross-Sections A-A′ and B-B′, Spring 1992 (Q34)	27
26	Site A, Groundwater Elevations, Unit 1, Spring 1992 (Q34)	28
27	Site A, Cis-1,2-Dichloroethene, Unit 1, Spring 1992 (Q34)	29
28	Site A, Trichloroethene, Unit 1, Spring 1992 (Q34)	30
29	Site A, Tetrachloroethene, Unit 1, Spring 1992 (Q34)	31
30	Trichloroethene Water Quality Trends: Site D (017 Well Nest)	
31	Trichloroethene Water Quality Trends: Site D (03U093)	
32	Trichloroethene Water Quality Trends: Site E (03U088 and 03U089)	
33	Trichloroethene Water Quality Trends: Site E (03U704)	
34	Trichloroethene Water Quality Trends: Site F	
35	Trichloroethene Water Quality Trends: Site G	

Table of Contents, Cont.

FIGURES, Cont.

36 Trichloroethene Water Quality Trends: Site I
37 Trichloroethene Water Quality Trends: Site J
38 Trichloroethene/1,1,1-Trichloroethane Water Quality Trends: Site 129-15
39 Trichloroethene Water Quality Trends: 001 and 714 Well Nests
40 Trichloroethene Water Quality Trends: 003 Well Nest and 672
41 Trichloroethene Water Quality Trends: 03U003 Well
42 Trichloroethene Water Quality Trends: 802 Well Nest, 03L809, 409550
43 Trichloroethene Water Quality Trends: 03L802 Well
44 Trichloroethene Water Quality Trends: 806 Well Nest
45 Trichloroethene Water Quality Trends: Off-Post
46 Trichloroethene Water Quality Trends: Off-Post
47 Trichloroethene Water Quality Trends: Off-Post
48 TCLEE, TRCLE, and 1,2-DCE Water Quality Trends: Site A, Well 01U102
49 1,2-Dichloroethene Water Quality Trends: Site A
50 TCLEE, TRCLE, and 1,2-DCE Water Quality Trends: Site A, Well 01U108
51 Trichloroethene Water Quality Trends: Site A
52 Tetrachloroethene Water Quality Trends: Site A, Well 01U108
53 National Pollutant Discharge Elimination System (NPDES) Monitoring Locations
54 TGRS Layout
55 TGRS Treatment System Performance
56 Unit 1 Groundwater Level Monitoring Locations, Site K
57 Unit 1 Groundwater Quality Monitoring Locations, Site K
58 Unit 1 Groundwater Contours (12/6/91)
59 Unit 1 Groundwater Contours (3/2/92)
60 Unit 1 Groundwater Contours (6/1/92)
61 Unit 1 Groundwater Contours (9/9/92)
62 Hydrogeologic Cross Section A-A′ (12/6/91)
63 Hydrogeologic Cross Section A-A′ (3/2/92)
64 Hydrogeologic Cross Section A-A′ (6/1/92)
65 Hydrogeologic Cross Section A-A′ (9/9/92)
66 TRCLE Concentrations (3/5/92)
67 Unit 1 Monitoring Location, Site I

Table of Contents, Cont.

APPENDICES

A Select Project Correspondence
B Well Designation Cross Reference Guide
C FY 1992 Groundwater Level Monitoring Plan
D FY 1992 Groundwater Quality Monitoring Plan
E Groundwater Monitoring Chemical Analysis Categories
F TGRS Hydraulic Data
G TGRS Chemical Data
H TGRS Operational Data

Table of Contents, Cont.

PLAN SHEETS

1 : Cover Sheet
2 : Site Plan
3 : TCAAP Contamination Source Area Map
4 : TCAAP Groundwater Monitoring Study Area
5 : On-Post, Groundwater Elevations, Upper Unit 3, Spring 1992 (Q34)
6 : Off-Post Groundwater Elevations, Upper Unit 3, Fall, 1992 (Q36)
7 : Off-Post, Groundwater Elevations, Upper Unit 3, Spring 1992 (Q34)
8 : On-Post, Groundwater Elevations, Lower Unit 3, Spring 1992 (Q34)
9 : On-Post Groundwater Elevations, Lower Unit 3, Fall 1992 (Q36)
10 : Off-Post, Groundwater Elevations, Lower Unit 3, Spring 1992 (Q34)
11 : On-Post, Groundwater Elevations, Upper Unit 4, Spring 1992 (Q34)
12 : On-Post, Groundwater Elevations, Upper Unit 4, Fall 1992 (Q36)
13 : Off-Post, Groundwater Elevations, Upper Unit 4, Spring 1992 (Q34)
14 : On-Post, Trichloroethene, Upper Unit 3, Spring 1992 (Q34)
15 : Off-Post, Trichloroethene, Upper Unit 3, Spring 1992 (Q34)
16 : On-Post, 1,1,1-Trichloroethane, Upper Unit 3, Spring 1992 (Q34)
17 : Off-Post, 1,1,1-Trichloroethane, Upper Unit 3, Spring 1992 (Q34)
18 : On-Post, Trichloroethene, Lower Unit 3, Spring 1992 (Q34)
19 : Off-Post, Trichloroethene, Lower Unit 3, Spring 1992 (Q34)
20 : On-Post, 1,1,1-Trichloroethane, Lower Unit 3, Spring 1992 (Q34)
21 : Off-Post, 1,1,1-Trichloroethane, Lower Unit 3, Spring 1992 (Q34)
22 : On-Post, Trichloroethene, Upper Unit 4, Spring 1992 (Q34)
23 : Off-Post, Trichloroethene, Upper Unit 4, Spring 1992 (Q34)
24 : On-Post, 1,1,1-Trichloroethane, Upper Unit 4, Spring 1992 (Q34)
25 : Off-Post, 1,1,1-Trichloroethane, Upper Unit 4, Spring 1992 (Q34)
26 : Trichloroethene Cross-Sections A-A′ and B-B′
27 : 1,1,1-Trichloroethane Cross A-A′ and B-B′
28 : Site A, Groundwater Elevations, Upper Unit 1, Spring 1992 (Q34)
29 : Site A, 1,2-Dichloroethene, Upper Unit 1, Spring 1992 (Q34)
30 : Site A, Trichloroethene, Upper Unit 1, Spring 1992 (Q34)
31 : Site A, Tetrachloroethene, Upper Unit 1, Spring 1992 (Q34)

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	-	Background Groundwater Remediation System
CRA	-	Conestoga-Rovers and Associates
DNR	-	Department of Natural Resources
EPA	-	Environmental Protection Agency
FCC	-	Federal Cartridge Company
FFA	-	Federal Facilities Agreement
FS	-	Feasibility Study
FY	-	Fiscal Year
GRPP	-	Groundwater Remediation Program Plan
Interpol	-	Interpol 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 Biphenols
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
ROD	-	Record of Decision
TCAAP	-	Twin Cities Army Ammunition Plant

TCLEE	-	Tetrachloroethene
TGRS	-	TCAAP Groundwater Remediation System
TGRSE	-	TGRS Effluent
TGRSI	-	TGRS Influent
TRCLE	-	Trichloroethene
USATHAMA	-	United States Army Toxic and Hazardous Materials Agency
USEPA	-	United States Environmental Protection Agency
VOC	-	Volatile Organic Compound
Wenck	-	Wenck Associates, Inc.

Executive Summary

This Fiscal Year 1992 Annual Monitoring Report summarizes and evaluates data from groundwater and surface water monitoring performed at the Twin Cities Army Ammunition Plant (TCAAP). The primary objectives of the report are to characterize groundwater conditions associated with known and potential contaminant source areas at TCAAP, and to assess the performance of Interim Remedial Action systems which are presently remediating groundwater.

Groundwater level monitoring indicated that water levels increased in the aquifers of concern during FY 92; however, the direction of groundwater flow remained generally to the southwest.

Groundwater quality monitoring indicated that volatile organic compounds remain the contaminants of primary concern in groundwater. The extent of groundwater contamination did not show appreciable increases or decreases during FY 92. The magnitude of contamination remained relatively unchanged during FY 92, except in the vicinity of two primary source areas (Sites D and G), where contaminant concentrations continued to decrease. The decreases indicate that remediation of soils at Sites D and G is effectively minimizing additional impacts to groundwater.

Operation of the interim groundwater recovery system at Site A continues to capture groundwater contamination in the immediate vicinity of the recovery well. However, the recovery system is not effectively capturing or containing all groundwater contamination at Site A. The Army is implementing further remedial actions for Site A during FY 93 to remove and contain contaminants on-post.

Operation of groundwater recovery wells near source areas at Sites D, G, and I are reducing contaminant concentrations near these sites. Operation of groundwater recovery wells along the southwest boundary of TCAAP are capturing groundwater contamination, although significant decreases in contaminant concentrations have not yet been observed in this area. The combination of the source area recovery wells and the boundary recovery wells extracted and treated 24,527 pounds of volatile organic compounds during FY 92.

Operation of an interim groundwater recovery trench at Site K extracted 22.1 pounds of volatile organic compounds during FY 92. The recovery system continues to provide hydraulic capture of the Site K plume.

Activities planned for FY 93 include continued operation of the existing Interim Remedial Actions, along with continued groundwater monitoring and reporting.

Section I
Introduction

This Fiscal Year 1992 Annual Monitoring Report summarizes and evaluates data from groundwater and surface water monitoring performed at the Twin Cities Army Ammunition Plant (TCAAP). Fiscal Year 1992 (FY 92) extended from October 1, 1991, through September 30, 1992. Monitoring activities were performed in accordance with the "Fiscal Year 1992 Annual Monitoring Plan," submitted as part of the "Fiscal Year 1990 Annual Report" (Final Report, July 1991) and approved in December 1991 (see approval letter in Appendix A).

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 conditions associated with known and potential contaminant source areas at TCAAP.

3. Assess the performance of Interim Remedial Action (IRA) systems for remediation of groundwater contamination at Site A, Site I, and Site K, and the TCAAP Groundwater Recovery System (TGRS).

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

5. Present the Fiscal Year 1994 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 (Appendix A). The modifications are discussed in Section III.A of this report.

This report represents the collaboration of work performed by Federal Cartridge Company (FCC) and Alliant Techsystems, Inc. On behalf of FCC, Wenck Associates, Inc. (Wenck) prepared Sections I-IX of this report. On behalf of Alliant Techsystems, Inc., Conestoga-Rovers & Associates (CRA) prepared Sections X-XII. Wenck and CRA both contributed to Sections XIII-XV. The Fiscal Year 1992 Annual Monitoring Report consists of this volume, plus a set of 31 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 1991 Annual Monitoring 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 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.

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.

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 Unit 1 deposits are discontinuous at TCAAP, 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 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
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	USATHAMA 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 USATHAMA, 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 USATHAMA designation or Minnesota unique number, and any other name(s) the wells may have. Well locations are illustrated on Plan Sheets 2, 3, and 4.

C. DATA MANAGEMENT

A monitoring program was initiated in January 1984 by USATHAMA 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 92 was comprised of Quarter 33 (October through December), Quarter 34 (January through March), Quarter 35 (April through June), and Quarter 36 (July through September).

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

Section III
Summary of Relevant Activities in Fiscal Year 1992

A. MODIFICATIONS TO THE FFA

As mentioned in Section I of this report, the FFA was modified in February 1992. This modification was officially incorporated as evidenced by correspondence signed by all Project Managers (see Appendix A).

Previously the FFA set forth specific monitoring and reporting requirements; however, the monitoring program has evolved since signing of the FFA. Because the program can change from year to year, it is not feasible to modify the FFA to reflect specific monitoring locations, parameters, and frequencies, or reporting requirements. Therefore, the FFA has been revised to indicate that the specifics for monitoring and reporting for each fiscal year will be outlined in that year's monitoring plan. Because the FY 92 Annual Monitoring Plan was already approved prior to the FFA modifications, this plan did not address reporting requirements. Thus, this Fiscal Year 1992 Annual Monitoring Report is intended to be generally consistent with Fiscal Year 1991 Annual Monitoring Report in terms of content. The Fiscal Year 1994 Annual Monitoring Plan, included as part of this document, outlines the reporting requirements for the Fiscal Year 1994 Annual Monitoring Report.

B. MODIFICATIONS TO THE MONITORING SYSTEM

A new water supply well was installed at Gross Golf Course during FY 92 as evidenced by the well record in Appendix A.

Two wells in the gravel pit at TCAAP, wells 03L522 and 03L523, were abandoned in FY 92. The abandonment reports are included in Appendix A. These wells are shown on Plan Sheets 3 and 4 as abandoned, and they have been removed from the monitoring plans.

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 92 in accordance with the Fiscal Year 1992 Groundwater Level Monitoring Plan. A copy of this plan is included as Appendix C.

The Fiscal Year 1992 Groundwater Level Monitoring Plan established the monitoring responsibilities for both FCC and Alliant Techsystems, Inc. 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 PACE, Inc. (PACE) while monitoring for Alliant Techsystems, Inc. was conducted by CRA.

For each assigned well, both PACE and CRA measured the depth-to-water from top of casing. Using the distance from top of casing to ground surface, PACE 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 1992 Annual Monitoring Report, Wenck received groundwater elevation data from both FCC and CRA on computer diskettes as retrieved from the IRDMIS. All data was then converted into Lotus 1-2-3 format to permit preparation of the groundwater elevation data table (see Table 1). The groundwater elevation data table presents not only the data for FY 92, but also 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; however, this new survey information has not yet been entered into the IRDMIS. Therefore, the groundwater elevations in Table 1 are based upon the previous reference information.

To permit comparison between what monitoring was planned and what data was made available to Wenck, notations have been added to the Fiscal Year 1992 Groundwater Level Monitoring Plan (Appendix C) to indicate what actual FY 92 data is contained in the groundwater elevation data table (Table 1).

For missing data which was to have been collected by FCC or Alliant Techsystems, Inc., correspondence is included in Appendix C providing explanations. Appendix C also indicates that contrary to the objective, duplication of effort occurred between FCC and Alliant Techsystems, Inc. In all cases, the duplication was the result of Alliant Techsystems, Inc. monitoring on-post Unit 3 or Unit 4 wells, which were delegated to FCC. Alliant Techsystems, Inc. conducted this monitoring to assure consistency within the data set that was used in assessing the TGRS performance.

2. Hydrographs

Figure 2 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. Other hydrographs for 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 1992 Groundwater Level Monitoring Plan (Appendix C), extensive water level monitoring was performed during March 1992 (Quarter 34) and September 1992 (Quarter 36). The groundwater elevation data from Quarter 34 and Quarter 36 were used to prepare contour maps to illustrate groundwater flow directions.

Groundwater elevation contour maps were prepared using Quarter 34 and Quarter 36 data for the TCAAP site (on-post), and using Quarter 34 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 5 through 13, and Figures 3 through 11. 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. As mentioned on the previous page, TCAAP wells were resurveyed during July-September 1992. For the purposes of preparing the groundwater elevation contour maps, CRA used the new survey information and adjusted the data, while Wenck did not use the new survey data and used the data as retrieved from the IRDMIS. The new survey data will be used on all maps for the FY93 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 34 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 92 in accordance with the Fiscal Year 1992 Groundwater Quality Monitoring Plan, a copy of which is included as Appendix D. The plan established the monitoring responsibilities for both FCC and Alliant Techsystems, Inc. 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).

Quarterly groundwater sampling delegated to FCC was performed by PACE, Inc., and analysis was performed by Interpoll Laboratories, Inc. All monthly Site A sampling was performed by STS Consultants, Ltd., and analysis was performed by PACE, Inc. The wells delegated to Alliant Techsystems, Inc. were sampled by CRA and the analysis was performed by PACE.

All laboratory data for both FCC and Alliant Techsystems, Inc. monitoring was submitted to PRI for entry into the IRDMIS. After entry into the IRDMIS, FCC and CRA retrieved the data for FY 92 and provided it to Wenck in computer files.

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 92 is presented in Table 2, along with past data back to November 1987 (Quarter 16). Table 3 presents inorganic groundwater quality data in a similar manner. Table 4 presents PCB data for both groundwater and surface water sampling during FY 92.

To permit comparison between what monitoring was planned and what data was made available to Wenck, notations have been added to the Fiscal Year 1992 Groundwater Quality Monitoring Plan (Appendix D) to indicate the data which is not in the water quality data tables (Tables 2, 3, and 4). For missing data which was to have been collected by FCC, correspondence is included in Appendix C providing explanations. Alliant Techsystems, Inc. collected all the designated water quality samples as specified in the Fiscal Year 1992 Groundwater Quality Monitoring Plan.

Delegation of monitoring activities successfully achieved the objective of avoiding duplication of sampling at any wells.

This report also includes data collected by the MPCA during FY 92. Copies of the laboratory reports were obtained directly from the MPCA since this data is not entered into the IRDMIS. A summary table of the sampling performed by the MPCA during FY 92 is

included in Appendix D. The summary table is coded to indicate what data is included in the water quality data tables of this report. The summary table also indicates what data has been validated.

2. Exceedances of Groundwater Action Criteria

As required by Attachment 3 of the FFA, a table has been prepared which summarizes all groundwater monitoring results from FY 92 which exceeded the action criteria set forth in Table 3.7A of the FFA. 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. The action criteria are not intended to be cleanup levels.

The exceedance summary for VOCs is included as Table 5. The groundwater action criteria are presented near the top of the table with the well locations, monitoring dates, and concentration values listed below. Further discussion of the groundwater action criteria exceedances for VOCs is provided in Section VII of this report.

The number of exceedances for inorganic parameters did not warrant preparation of a table. All of the 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 1992 Groundwater Quality Monitoring Plan (Appendix D), the most extensive sampling event performed during FY 92 was in March (Quarter 34). The groundwater quality data from Quarter 34 was 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 14 through 25 with reductions presented as Figures 12 through 23. 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 34 are shown in parentheses on the lower Unit 3 contour maps (Figures 16-19 and Plan Sheets 18-21), but the middle Unit 3 wells 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 (PJ#) are shown with the data in parentheses on the upper Unit 4 maps (Figures 20-23 and Plan Sheets 22-25), but were not used to develop contour lines.

Contaminant concentrations at recovery wells are also shown in parentheses on the maps (Figures 12-23 and Plan Sheets 14-25), 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. The section line through the south plume was extended approximately 2 miles off-post to include five additional wells this year. The lines of section are illustrated on Plan Sheet 4. Geologic information and the positions of well screens and open holes were taken from well logs obtained from the MPCA, FCC, and CRA.

Plan Sheet 26 and Figure 24 present both cross sections along with contoured trichloroethene data from March 1992 (Quarter 34). Similarly, Plan Sheet 27 and Figure 25 present both cross sections with 1,1,1-trichloroethane data.

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 cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene as these are the principal contaminants at Site A. Contour maps for Site A were prepared only for Unit 1 since this is the aquifer of primary concern. The contour maps are presented as Figures 26 through 29 and Plan Sheets 28 through 31. 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. The trend illustrations are presented as Figures 30 through 52. Appendix G also presents trichloroethene trend plots for the TGRS recovery wells.

The selected wells and parameters are the same as those presented in the Fiscal Year 1991 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 92 at TCAAP consisted of performing the sampling required by the TCAAP National Pollutant Discharge Elimination System (NPDES) permit. Under the 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). An additional nine locations not required by the NPDES Permit are monitored by FCC. The sampling point locations are shown on Figure 53. 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, Inc. All FCC data for NPDES monitoring was 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 was converted into Lotus 1-2-3 format and is presented as Tables 4 (PCB data), 6 (organic data), and 7 (inorganic data). Further discussion of surface water quality data collected by FCC is presented in Section VIII of this report.

Section V
Discussion of 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 upper Unit 3 in March 1992 are shown on Figures 3 and 5 (Plan Sheets 5 and 7) for on-post and off-post areas, respectively. Groundwater elevations determined during March 1992 allow assessment of flow directions on-post and in the area southwest of TCAAP, extending approximately one mile to near Interstate 694. Figure 4 (Plan Sheet 6) presents groundwater elevation contours in September 1992 for on-post.

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 discussed in Section X.

Compared to last year, off-post groundwater elevations in upper Unit 3 are an average of 1.5 feet higher. This trend of increasing water levels continued through successive measurements in FY 92 in all off-post upper Unit 3 wells. In general, water levels near

Long Lake increased more than those near the TCAAP boundary. Horizontal hydraulic gradients calculated from groundwater elevation contours at various off-post locations are similar to last year's and indicate a range of 0.004 to 0.002 feet per foot.

The observed overall trend of the off-post flow direction is to the southwest. Local variations show a more westerly component near the TGRS shifting to a more southerly component just north of Rush Lake and finally straightening to an approximate due southwest direction near Long Lake.

C. LOWER UNIT 3

Figures 6 and 8 (Plan Sheets 8 and 10) present groundwater elevation contours using March 1992 data for on-post and off-post lower Unit 3, respectively. Figure 7 (Plan Sheet 9) presents contours for September 1992. The groundwater flow direction in lower Unit 3 is generally to the southwest and is very similar to that of upper Unit 3, with a more westerly component near the TCAAP boundary shifting to a southerly and then due southwest direction. Off-post groundwater elevations are about 1.7 feet higher than last year on the average. Horizontal hydraulic gradients calculated from the groundwater elevation contours at various off-post locations indicate a range of 0.004 to 0.0007 feet per foot.

D. UPPER UNIT 4

Figures 9 and 11 (Plan Sheets 11 and 13) show groundwater elevation contours using March 1992 data for on-post and off-post upper Unit 4, respectively. Figure 10 presents contours for September 1992. Figure 9 (Plan Sheet 11) shows that on-post, groundwater in upper Unit 4 flows to the southwest with little variation.

The observed 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.

Off-post groundwater elevations are, on average, over 2 feet higher than last year. At the southern end of the study area, near wells 04U881, 04U882, and 04U883, the groundwater elevation ranged from 3.3 to 3.7 feet higher than last year. Horizontal hydraulic gradients calculated for the groundwater elevation contours at various locations indicate a range of 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 decreasing water levels over the past several years has been reversed. However, groundwater elevations are still several feet lower than levels measured during the late 1980s in most cases.

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
Discussion of 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 is based primarily upon the groundwater quality contour maps presented as Figures 12 through 23 (Plan Sheets 14 through 25) and cross sections A-A' and B-B' presented as Figures 24 and 25 (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 92, 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. Sites B and C

also represent potential concerns. 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 (see Figures 27 through 29 or Plan Sheets 29 through 31). Discussion of groundwater quality for Sites A, K, and I are provided in Sections IX, XI, and XII of this report.

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 during FY 92 consisted of 03U007, 03U008, 03U009, and 03U010.

The groundwater quality data in Table 2 shows that no VOC contaminants were detected at either well during FY 92 which is consistent with previous monitoring events.

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 12 and 13 (Plan Sheets 14 and 15) representing the on-post and off-post concentrations, respectively. The trichloroethene concentrations are also presented on Figure 24 (Plan Sheet 26) as

cross sections A-A' and B-B' which are constructed roughly along the axes of the main "northern" and "southern" plumes, respectively.

Figure 12 (Plan Sheet 14) shows that the main northern plume originates from plumes at Sites D and G which converge in the area of Building 503. The highest on-post concentrations are downgradient of these two sites at wells 03U317 (14,000 μg/l, March 1992) and 03U014 (8,200 μg/l, March 1992). Well 03U317 is a recovery well (source recovery well #5) and was not contoured on Figure 12 (Plan Sheet 14) since the data obtained from 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. In the past three years, 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. Similarly, well 03U094 had the highest concentration of the wells near Site G in December 1987 at 18,000 μg/l. However, the concentration in this well has dropped to 2,600 μg/l in March 1992, which is the lowest value to date. Well 03U014, which is near recovery well 03U314 had the highest concentration of the wells near Site G in 1992. 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.

The reduction in contaminant concentrations due to contaminant removal in the recovery wells resulted in the elimination of the 10,000 μg/l contour from last year's contour map. It should be noted that a 10,000 μg/l contour might exist at other locations near 03U093 in upper Unit 3. On cross section A-A' in Figure 24 (Plan Sheet 26), a 10,000 μg/l contour is present in the middle Unit 3 region beneath well 03U020 based upon a concentration of 14,000 μg/l (March 1992) at 03M020.

Due to an increase in the concentration at 03U018 from 240 μg/l in March 1991 to 4,500 μg/l in March 1992, the 1,000 μg/l contour has shifted out slightly southeast to encompass this well as it had prior to 1991. In general, the 1,000 μg/l contour is very similar to past years in the vicinity of the source areas. However, an increase in the concentrations at wells 03U021, near Building 501, and 03U709, near the boundary, has shifted the 1,000 μg/l contour further south.

Similar to the changes in the 1,000 μg/l contour, increases in concentration at 03U671 and 03U028 to values greater than 100 μg/l reinforces the interpretation of a southerly movement of contaminants and, furthermore, suggests that the 100 μg/l contours from the northern and southern plumes are connected as had been shown prior to 1991.

Cross section A-A' (Figure 24 and Plan Sheet 26) shows that the portion of the plume represented by the 1,000 μg/l contour continues to flow around well 03M806 as in 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 contour has expanded since last year to include well 03U806, where the concentration increased from 350 μg/l in March 1991 to 2,900 μg/l in March 1992.

Contaminant reduction at many wells downgradient of Site I has resulted in a reduction in the size of the 1,000 μg/l contour near this source area. Wells 03U003 and 03U703, which are on the southeast and northwest sides of the plume, respectively, decreased in concentrations from 1,400 to 990 μg/l and 2,900 to 520 μg/l from March 1991 to March 1992, respectively.

The downgradient extent of the south plume in upper Unit 3 is defined by a concentration of <0.5 μg/l (March 1992) at well 03U673. However, the cross section interpretation shown on B-B′ (Figure 24 or Plan Sheet 26) suggests that the contaminant plume is below 03U673 and that the 1,000 μg/l contour was close to the upper Unit 3 level at 03U673 during the March sampling event.

Other changes to the contour map from last year included a contracting of the 10 μg/l and 1 μg/l contours around wells 03U711 and 03U804 near the boundary area between the two plumes due to a reduction in the concentrations at these wells from 14.80 (March 1991) to 0.89 (March 1992) μg/l and from 1.41 (March 1991) to <0.50 (March 1992) μg/l, respectively. On the northern edge of the plume at the southwest boundary, the 1,000 μg/l contour was shifted slightly north in response to an increase at 03U806 from 460 (March 1991) to 2,900 (March 1992) μg/l. The 1 μg/l contour was also shifted north around 03U084 and east around 03U124 in response to increases at these locations from 0.91 (March 1991) to 1.58 (March 1992) μg/l and 0.30 (March 1991) to 1.64 (March 1992) μg/l, respectively.

The 1 μg/l contour around the gravel pit was reduced in size in 1992 due to contaminant reductions at all wells in this area. These detections are discussed in Section VII of this report.

Well 03U031 showed an increase to 10.20 μg/l in March 1992 requiring the addition of a 10 μg/l contour at this location.

Wells near Site H continued to show no detections this year.

Figure 13 (Plan Sheet 15) shows the northern 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 widened to the east as evidenced by an increase in contaminant concentrations at 409596 and 03U831.

The western edge of the plume has returned to a location similar to that prior to last year as indicated by non-detections in wells 03U811 and 03U824. Wells 03U811 and 03U822 had reportable detections in 1991 which had shifted the 1 μg/l contour outward.

The 1000 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. A new data point, the Fred White residential well (234352), was used to verify the downgradient extent of the plume. 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 is available for contouring in this area in upper Unit 3.

The overall trend of the plume matches the overall trend of the groundwater elevation contours and 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. 1,1,1-Trichloroethane

Groundwater quality contour maps for 1,1,1-trichloroethane in upper Unit 3 have been prepared as Figures 14 and 15 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. In addition, comparison of the horizontal and vertical extent of high concentration contours and of high well concentration values for 1,1,1-trichloroethane versus trichloroethene shows that the former is much less pervasive. 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 those immediately downgradient from the source areas at Sites D and G. The highest concentrations are represented by the 1000 μg/l contour extending from this area toward the southwest TCAAP boundary. The primary difference between this year's contour map and last year's is that the 1000 μg/l contour is connected where it had been separate around 03L020 for the past two years. The entire area included in the 1000 μg/l contour appears to have

shifted slightly to the south this year as indicated by an increase in concentration at 03U709, 03U021, and 03U018.

The 1,000 μg/l contour from Site D extends west-southwest slightly beyond wells 03U077 and 03F306, as shown on Figure 14 (Plan Sheet 16) and on cross section A-A' (Figure 25 and Plan Sheet 27). Cross section A-A' shows that the 1,000 μg/l contour appears to be less affected by the low permeability zone defined by wells 03U806 and 03M806 than it was last year. The cross section indicates that the 1000 μg/l contour has been drawn back from this area this year toward the recovery wells at the TCAAP boundary area. Well 03M806 showed a decrease in concentration as indicated by the presence of a 10 μg/l contour around the well in March 1992 which had not been present in previous years. contour.

Figure 14 (Plan Sheet 16) indicates that the 100 μg/l contour shifted southward, similar to the shift of the 1,000 μg/l contour over the past year as indicated by a decrease in the concentration at well 03U017 and an increase at 03U671.

The southern plume originating from Site I is similar to last year, however it is slightly smaller and is more elongated due to increases at 03U079 from 88 (March 1991) to 230 (March 1992) μg/l and 03U710 from 62 (April 1991) to 150 (March 1992) μg/l and decreases at 03U003 from 250 (March 1991) to 80 (March 1992) μg/l and 03U029 from 150 (March 1991) to 45 (March 1992) μg/l. The reduction at 03U029 is significant because it implies that the source area at Site I is diminishing.

In 1991, the 10 μg/l contour was separated around Site I isolating it from the northern plume, however, this year the two areas are again connected as indicated by the connection of the 10 μg/l contour around the two plumes on Figure 14 (Plan Sheet 16).

Figure 15 (Plan Sheet 17) shows the northern plume extends off-post gradually curving more southward. The 100-μg/l contour is shown to have withdrawn considerably

during the past year as shown on cross section A-A′ (Figure 25 and Plan Sheet 27). This interpretation is based on the contouring of wells 04U821 and 04U850 which decreased from 97 (March 1991) to 61 (March 1992) μg/l and 120 (March 1991) to 67 (March 1992) μg/l, respectively. Well 03L853 was not contoured on the cross section since it has historically had concentration of greater than 130 μg/l and the value of 2.99 μg/l obtained in the March sampling event appears to be anomalous

The southern extent of the northern plume as defined by the 10 μg/l and 1 μg/l contours is based on cross section A-A′ (Figure 25 and Plan Sheet 27) and on results for wells 03U822, 03U824, and 03U832. Similar to the off-post trichloroethene contour map, the off-post 1,1,1-trichloroethane contour map shows a slight widening of the plume and a southwestward shift near Long Lake.

The southern plume appears to diminish near well 03U801 as shown on Figure 15 (Plan Sheet 17) and by cross section B-B′ (Figure 25 and Plan Sheet 27). Last year the plume was shown to extend past well 03U801 to near well 03U673.

C. LOWER UNIT 3

1. Background Conditions

The lower Unit 3 wells 03L007 and 03L010 along the upgradient TCAAP boundary was sampled during FY 92 and no VOC contamination was detected. This finding corresponds with previous sampling results for upgradient lower Unit 3 background wells.

2. Contaminant Plume Characterization

a. Trichloroethene

Contour maps for trichloroethene concentrations in lower Unit 3 are provided as Figures 16 and 17 (Plan Sheets 18 and 19) representing on-post and off-post concentrations, respectively. Recovery 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 24 (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 17 (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. As discussed in the previous section, cross section A-A′ (Figure 24 and Plan Sheet 26) suggests that a region above well 03L020 at 03M020 has a 10,000 μg/l contour.

Although lower Unit 3 wells are not present in the vicinity of Site D, the contours shown on Figure 16 (Plan Sheet 18) suggest a distinct lobe from Site D, similar to the lobe defined by 03L020 from Site G.

A separate trichloroethene plume, similar to upper Unit 3, appears downgradient of Site I. The center of the 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 24 and Plan Sheet 26).

The on-post contour map shown in Figure 16 (Plan Sheet 18) is very similar to last year's map. The primary difference was a slight contracting of the 1000 μg/l contour in response to a reduction in the concentration at 03L002.

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 extends further north in the vicinity of 03L001 for lower Unit 3 versus upper Unit 3. The 1 μg/l contour to the east of Site G has contracted slightly this year in response to a reduction in concentration at 03L081 from 1.97 μg/l in March 1991 to <1.04 in March 1992.

Concentrations for the Unit 3 recovery wells along the southwest boundary on Figure 16 (Plan Sheet 18) were not used for contouring. Similar to last year's findings, the concentrations at 03F305 through 03F308 match well with the lower Unit 3 contours, while values at 03F302 and 03F303 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 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.

Off-post, the merged plume from Sites D and G gradually curves southward towards the southeast edge of Long Lake, as shown on Figure 17 (Plan Sheet 19). The 1,000 μg/l contour is shown to project beyond Rush Lake to near 03L853 as it did last year. Unlike last year, there is a separate 1,000 μg/l contour further south of 03L853 around well 409597. The separate contour is based upon a concentration of 1200 μg/l which was detected in well 409597 during March 1992. This well historically had concentrations in the range of 120 to 250 μg/l. While the 1,200 μg/l concentration may appear anomalous, if 409597 was projected onto cross section A-A′ (Figure 24 and Plan Sheet 26), it would be close to the 1000 μg/l contour and, therefore, the value appears to be correct and was contoured accordingly.

Cross section A-A′ (Figure 24 and Plan Sheet 26) shows that the 100 μg/l, 10 μg/l, and 1 μg/l contours curve southwestward ending near 409556, where Unit 3 is shown to pinch out. The overall extent of the plume has not changed in the past year, however, it has contracted laterally both on the northwest and southeast sides.

On the northwest edge, the plume contracted substantially due to non-detections in wells 03L822, 03L856, and 03L811 all of which had concentrations greater than 1 μg/l last year. On the southeast edge of the plume, the 1 μg/l and 10 μg/l contours were shifted north slightly due to a non-detection in well 03L861 in March 1992 which had a concentration of 9.27 μg/l in March 1991.

The overall trend of the plume is similar to the overall trend of the groundwater elevation contour maps for lower Unit 3 and upper Unit 4 (Figures 8 and 11 and Plan Sheets 10 and 13). Similarly, the overall trend of the plume is similar to the trend of trichloroethene concentration contours for upper Unit 4 (Figure 21 and Plan Sheet 23), which is discussed in following sections.

The 1,000 μg/l contour for the southern Site I plume appears to be limited between wells 03L673 and 03L848 as shown on cross section B-B′ (Figure 24 and Plan Sheet 26) and on Figure 17 (Plan Sheet 19). However, well 03L673 has decreased in concentration so that the 100 μg/l contour also reaches it's maximum extent between wells 03L673 and 03L848 this year.

This plume also bends southward from TCAAP, but does not extend as far south as the northern plume. The two plumes are clearly shown to be separated by the results of <1.04 μg/l for 03L841 and 03L861 in March 1992.

A concentration of 8.66 μg/l was detected in well 03L858, located just north of the St. Anthony wells 3 and 4 in March 1992. 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 24 and Plan Sheet 26), this well is located at a much higher elevation than other upper Unit 3 wells and is actually in a hydraulically separate unit. This well has had detections of carbon tetrachloride between 34 and 43 μg/l in the past 3 years. Carbon tetrachloride is not typically found in the plumes emanating from TCAAP indicating that this well is intercepting contaminants from a different source.

b. 1,1,1-Trichloroethane

Contour maps for 1,1,1-trichloroethane concentrations in lower Unit 3 are presented as Figures 18 and 19 (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 25 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 18 and 19 (Plan Sheets 20 and 21) show more separation between the plumes than do the corresponding trichloroethene contour maps.

Figure 18 (Plan Sheet 20) shows a much smaller contoured area than last year due to a non-detection at well 03L017 in March 1992 and a decrease at 03L021 from 70 (March 1991) to 8.87 (March 1992) μg/l. These reductions had the effect of tightening the contours on both the north and south sides of the plume.

Like last year, the 1,000 μg/l contour defines the greatest impact near the southwest portion of TCAAP and extends off-post to just west of Highway 35W. The limit 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 25 and Plan Sheet 27) the contours on Figure 19 (Plan Sheet 21) suggest that the lower Unit 3 1,1,1-trichloroethane 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 primary difference from the 1991 contour map is the reduction in the downgradient extent of the 100 μg/l contour. This reduction is supported by cross-section B-B' (Figure 25 and Plan Sheet 27) which shows decreases in downgradient concentrations in Unit 4 wells 04U821 and 04U850 from 97 (March 1991) to 61 (March 1992) μg/l and 120 (March 1991) to 67 (March 1992) μg/l, respectively. These reductions have the effect of drawing the contour in lower Unit 3 back, also.

The southern plume originating from Site I does not appear to have significantly impacted lower Unit 3 on-post, as seen on Figure 19 (Plan Sheet 21) and cross section B-B' (Figure 25 and Plan Sheet 27). Impacts off-post are delineated as defined by the 1-μg/l contour which extends between 03L673 and 03L848. This year the 10 μg/l contour was eliminated as a result of a reduction in concentration at well 03L802 from 10.20 μg/l in March 1991 to 8.00 μg/l in March 1992.

D. UPPER UNIT 4

1. Background Conditions

To assess background conditions in upper Unit 4, monitoring was performed during FY 92 at 04U007 and 04U510 near the eastern TCAAP boundary. No VOC detections were reported at these wells, similar to previous sampling events.

2. Contaminant Plume Characterization

a. Trichloroethene

Contour maps for trichloroethene concentrations in upper Unit 4 are included as Figures 20 and 21 (Plan Sheets 22 and 23) representing on-post and off-post concentration, respectively. Figure 20 (Plan Sheet 22) and cross section A-A′ on Figure 24 (Plan Sheet 26) show that the maximum trichloroethene concentrations on-post in upper Unit 4 are defined by the 1,000 μg/l contour near well 04U077. This well has decreased in concentration from 2,400 μg/l in March 1991 to 970 μg/l in March 1992. Therefore, there are no on-post wells in upper Unit 4 with detections greater than 1,000 μg/l, but based on cross-section A-A′(Figure 24 and Plan Sheet 26) the contaminant concentration in the vicinity of Building 503 is likely to be greater than 1,000 μg/l.

The 100 μg/l contour extended on-post around 04U020 last year, but in March 1992 the concentration at 04U020 was 43 μg/l. The 100 μg/l contour has been reduced accordingly and is shown on Figure 20 (Plan Sheet 22) and on cross section A-A′ (Figure 24 and Plan Sheet 26). The cross sections show the wide range of screened and open hole elevation intervals at which upper Unit 4 wells exist.

The 1,000 and 100 μg/l contours on the north side of the plume were both drawn in closer to the center of the plume this year in response to a decrease in concentrations at wells 04U077 and 04U701, respectively. On the south side of the plume, the 10 μg/l contour was shifted out to include wells 04U711 and 04U708 which increased in March 1992 to 32.20 and 28.60 μg/l, respectively. The 1 μg/l contour was also shifted slightly in response to this increase.

Similar to last year, an unusual twisting feature is created by the 10 μg/l contour 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 contour.

Last years interpretation of the southern plume emanating from Site I indicated that the only on-post detection from this plume in March 1991 was 2.21 μg/l at 04U003. In March 1992, there was no detection in this well.

These drawings show that the maximum concentrations of the Site I plume for upper Unit 4 are defined by the 100 μg/l contour around 04U673, 04U845, and 234335 (Mengelkoch #1). The concentration at 04U673 decreased from 3,100 μg/l in May 1990 to 990 μg/l in March 1991 and 460 μg/l in March 1992. The 100 μg/l contour remained very similar to last year.

Figure 21 (Plan Sheet 23) illustrates that the northern 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 northern plume appears to split into two lobes in the vicinity of Long Lake as defined by the 100 μg/l contour, which extends west around 409549, then back east toward 04U849, and finally back west towards 206793. 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. Previous concentrations at 04U849 decreased from 460 μg/l on December 1, 1987 to a low of 18.10 μg/l on April 18, 1990 and have increased to 31.80 and 120.00 μg/l in March of the last two years, respectively. This suggests that the division was not always well-defined and in the absence of historical data it would be logical to omit the separation.

Unlike last year, the 100 μg/l contour is interpreted to extend further south, beyond well 04U871 as shown on Figure 21 (Plan Sheet 23) and cross section A-A′ (Figure 24 and Plan Sheet 26). The concentration at 04U871 increased from 5.47 μg/l in March

1991 to 150 μg/l in March 1992, but throughout 1988 the concentration had also been greater than 100 μg/l.

The 100 μg/l contour for the southern plume retained the same basic shape as it had last year, but contracted due to a slight reduction in concentration at 04U848. This shift resulted in the main axis of the plume to move west of cross section B-B′ (Figure 24 and Plan Sheet 26) causing the 100 μg/l contour on the cross section to have the unusual shape which is shown.

Figure 21 (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 historic low concentrations at well 409548. The low concentrations at this well suggests this is an area of relatively lower hydraulic conductivity in the Prairie du Chien, perhaps a less fractured zone.

The 10 μg/l and 1 μg/l contours suggest that the 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.

Cross section B-B′ (Figure 24 and Plan Sheet 26) has been extended approximately 2 miles further downgradient this year and implies that the 10 and 1 μg/l contours probably extend further down into the Jordan Sandstone. Although there is no data to support this hypothesis, it is likely due to the known permeability of that geologic unit and to the fact that contaminants are known to exist at that depth just to the west along cross section A-A'.

Figure 21 (Plan Sheet 23) and cross section A-A′ on Figure 24 (Plan Sheet 26) provide evidence for a separate source of trichloroethene which is contributing to the plume

south of County Road C. The available data results in a 100 μg/l contour line around 200812 (Gross Golf Course). While it is reasonable that the 1 μg/l contour from the TCAAP plume connects with the 1 μg/l contour south of County Road C, the 100 μg/l contours are separated by over 2 miles in distance. Cross section A-A' (Figure 24 and Plan Sheet 26), which runs roughly through the axis of the plume, shows that it is unlikely that the northern 100 μg/l contour near 206797 is connected with the 100 μg/l contour near Gross Golf Course (200812).

b. 1,1,1-Trichloroethane

Contour maps for 1,1,1-trichloroethane are presented as Figures 22 and 23 (Plan Sheets 24 and 25) representing on-post and off-post, respectively. Figure 25 (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 1,000 μg/l contour around 04U806 extending to near 04U847, as shown on Figure 23 (Plan Sheet 25) and cross section A-A' (Figure 25 and Plan Sheet 27).

The 100 μg/l contour extends from near Building 503 on-post to around well 04U844 off-post. This is a reduction in the downgradient extent of the 100 μg/l contour of almost 1 mile. The decrease is due to a decrease in the concentration at well 04U850 from 120 μg/l in March 1991 to 67 μg/l in March 1992.

Near Long Lake, the 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) and encompassing well 04U871.

Impacts to upper Unit 4 from the Site I plume are limited to a small area near 04U673, as defined by the 1-μg/l contour shown on Figure 23 (Plan Sheet 25) and cross section B-B' (Figure 25 and Plan Sheet 27). The isolated 1 μg/l contour at 04U832 on cross section B-B' is due to migration from the northern plume over to the area intersected by cross section B-B'.

Similar to the trichloroethene contour map for upper Unit 4, Figure 20 (Plan Sheet 22) and cross section A-A' (Figure 25 and Plan Sheet 27) suggest that a separate source of 1,1,1-trichloroethane may be contributing to the plume south of County Road C. It is not clear whether the 1 μg/l contours connect as 04U872, 04U883, and PJ#318 showed concentrations reported at <1.16 μg/l in March 1992. The 10 μg/l contours appear to be separated by over 2 miles.

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 92, similar to previous years, vinyl chloride was not detected in any wells above the method detection limits, as shown in Table 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 one plume. In general, the plume continues to show reductions in contaminant concentrations near the source areas. The reduction 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 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 highest VOC concentrations, although the intermediate depth well 03M020 showed the highest concentration of all non-recovery wells at 14,000 μg/l trichloroethene (March 1992). 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 lateral 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 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 8.66 μg/l in March 1992. This well is at a much higher elevation than all other lower Unit 3 wells and is essentially in a completely separate hydrologic unit. Furthermore, this well had a detection of carbon tetrachloride of 43.3 μg/l in March 1992.

This compound is not typically encountered at TCAAP, which suggests that the well is being impacted by a source other than TCAAP.

The data suggests trichloroethene from TCAAP may have migrated south of County Road C. However, it is not as clear whether 1,1,1-trichloroethane from TCAAP has migrated south of this road. Furthermore, the plume cross sections (Figures 24 and 25 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 233221 located south of County Road C.

Section VII
Discussion of 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.

Limited sampling was performed at Site B during FY 92 as a continued check on groundwater quality. Wells 01U036 and 03U082 at Site B were sampled during March 1992 for halogenated VOCs (Category 1). Well 01U036 results showed that no halogenated VOCs were detected, whereas 1,2-dichloroethene at 0.62 μg/l had been detected in well 01U036 in March 1991. Halogenated VOCs were not detected at 03U082 during March 1992, similar to the results of March 1991. The complete listing of the TCAAP organic groundwater quality data is included as Table 2.

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 92 was done as a continued check on groundwater quality. Well 01U085 was sampled during March 1992 for halogenated VOCs (Category 1) to evaluate Unit 1 water quality. Analytical results showed a detection of methylene chloride at 1.83 μg/l during the March sampling event. Methylene chloride was detected in the QA/QC samples associated with this sample and, therefore, it is probable that this detection is the result of laboratory contamination. Historic data is shown in Table 2.

An upper Unit 3 monitoring well (03U083) was also sampled during March 1992 to monitor water quality for Category 1 and Category 7 parameters. No halogenated or aromatic VOCs were detected for this sampling event similar to March 1991. 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 an in-situ volatilization (ISV) system and a groundwater recovery system. The groundwater recovery system utilizes pumpout wells 03U316 and 03U317 located downgradient as shown on Figure 12 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. Well 03U093 had the highest concentrations in the past, however, in March 1992 the concentration in 03U018 had a trichloroethene contamination of 4,500 ug/l versus 2,000 μg/l reported in well 03U093. The trichloroethene concentration at 03U093 reflects a significant reduction over the past two years from 40,000 ug/l in May 1990 and 8,600 ug/l in March 1991. The concentration at 03U018 dropped from 2,500 μg/l in May 1990 to 240 μg/l in March 1991 and has since increased to its present value. The reduction at 03U093 indicates that the ISV system is effectively minimizing additional contamination of the groundwater at Site D. The increase at well 03U018 is likely the result of contaminant migration toward the Site D source recovery wells.

During 1992, 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, and 03M017. Also, 1,1,1-trichloroethane concentrations at wells 03U017, 03U018, 03U093, 03U096, 03U317, and 03M017 exceeded the groundwater action criteria of 22 μg/l. Wells 03U316 and 03M017 exceeded the groundwater action criteria for 1,1-dichloroethene. All of these wells are within the capture zone of the TGRS. A complete listing of groundwater action criteria exceedances is presented in Table 5.

Water quality trend figures have been prepared showing variations in trichloroethene concentrations across the site. 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 shown as Figures 30 and 31. 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). Focus on 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 1992, analysis for halogenated VOCs (Category 1) was performed during March at wells 03U015, 03U088, 03U089, and 03U704 to monitor the site for changes in levels of halogenated VOCs. Well 03U704 was also sampled during March 1992 to evaluate conditions near the gravel pit area.

Groundwater quality based on March 1992 analytical results indicates that there was a detection of 2.41 ug/l of trichloroethene in well 03U704, but no halogenated VOCs, except methylene chloride, were detected in any of the other Site E wells. This is a significant reduction from the detections encountered in the past.

Methylene chloride was detected at concentrations of 1.81, 16.40, and 38.70 ug/l in wells 03U015, 03U088, and 03U089, respectively in March 1992. Methylene chloride was also detected in the QA/QC samples associated with these samples and, therefore, it is probable that the methylene chloride detections were the result of laboratory contamination.

Water quality trend Figures 32 and 33 present trichloroethene concentrations for 03U088/03U089 and 03U704, respectively. The figures show a fairly stable, low range of detections. However, the recent results may indicate that concentrations of halogenated

VOCs may be reduced to levels below analytical detection limits at wells 03U088 and 03U089.

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.

There were no exceedances of the groundwater action criteria at Site E in 1992.

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. Methylene chloride was detected at sporadic locations and depths. Methylene chloride was also detected in samples obtained from wells 03U112, O3U121, and O3U137 in March 1992. However, the QA/QC blanks associated with these samples also had detections of methylene chloride indicating that the detections are likely the result of laboratory contamination. A "Preliminary Report of Findings, Site F Soils Investigation" was submitted to the MPCA in January 1992.

Sampling proposed for Site F in the 1992 Annual Monitoring Plan consisted of annual sampling for both halogenated and aromatic VOCs at five upper Unit 3 wells; March, June, and September sampling for halogenated and aromatic VOCs at two downgradient well locations; and an annual sample for Category 4 inorganics at two wells.

Concentrations of 1,1,1-trichloroethane and trichloroethene at Site F have remained fairly constant, as reaffirmed by 1992 analytical results. Well 03L113 continued to have non-detectable levels of these two compounds; well 03U113 showed a low trichloroethene concentration of 0.82 μg/l in March 1991, but was not detected in 1992. The highest concentrations continue to be at well 03U114, which showed 1,1,1-trichloroethane concentrations between 165-300 μg/l and trichloroethene concentrations between 55-70 during 1991. In 1992, the values at well 03U114 were $<$1.16-93 μg/l for 1,1,1-trichloroethane and 29-40 μg/l for trichloroethene.

The only detection of an aromatic VOC in 1991 was at 03L113, which had a low toluene detection of 1.18 μg/l. There were no aromatic VOC detections in 1992.

Chloroform has been and continues to be consistently detected in wells 03U026, 03U090, 03U092, and 03U112, with the concentrations remaining fairly constant. Chloroform is now being detected in well 03U114, also. Chloroform values are included in Table 2.

Cyanide (Category 4) was not detected in either 03U112 or 03U121 during March 1992.

Wells 03U026, 03U090, 03U092, 03U112, and 03U114 were above the groundwater action criteria established in revised Table 3.7A of the FFA (Appendix A) for trichloroethene and chloroform. Well 03U090 also exceeded the action criteria for 1,1,1-trichloroethane, and 03U114 exceeded the action criteria for 1,1,1-trichloroethane and carbon tetrachloride. 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 5.

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 Unit 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 an in-situ volatilization (ISV) 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 1992 Annual Monitoring Plan consisted of annual sampling of wells 03U014, 03O020, 03U094, 03M020, and 04U020 and quarterly sampling of wells 03U314 and 03U315. All wells were sampled for halogenated VOCs.

Trichloroethene concentrations were plotted as Figure 35 to evaluate trends at Site G. The figure shows that concentrations have had a generally decreasing trend at wells 03U094, 03U014, and 04U020 since 1987. Well 03U094 has historically had the highest concentrations of all wells near Site G, but has decreased continuously from 18,000 μg/l in December 1987 to 2,600 μg/l in March 1992. Well 03U014, near the Site G source control wells, has decreased also from 13,000 μg/l in December 1987 to 8,200 μg/l in March 1992, but since the decrease has been less, this well now has the highest concentration near Site G

indicating a reduction of the source area. Well 03M020 has shown an increasing trend in that same period, whereas well 03U020 had been decreasing steadily, but has increased in both of the past two years.

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

The 1992 groundwater quality data shows contamination above the groundwater action criteria at all Site G wells except 04U020. 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 5.

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 1992 consisted of sampling upper Unit 1 wells 01U060 and 01U098 and upper Unit 3 well 03U099. Wells in the Site H area were sampled during March 1992 for both halogenated and aromatic VOCs.

No contaminant detections were observed at 01U060 or 01U098 in 1992. At well 03U099, 1,1,1-trichloroethane was detected at 1.82 ug/l in March 1992. Historically, the only other VOC detection at this well was trichloroethene at 1.14 ug/l in April 1990.

9. Site I

Alliant Techsystems, Inc. has provided a discussion on groundwater quality at this site in Section XII. Figure 36 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 1992, a check of groundwater quality was performed by analyzing well 01U526 for halogenated VOCs (Category 1). Similar to last year, results show a low concentration of trichloroethene at 2.44 μg/l, which is consistent with previous levels. Figure 37 shows that trichloroethene concentrations for 01U526 have remained stable. Methylene chloride was also detected in March 1992 at 1.85 ug/l. Methylene chloride was also detected in the QA/QC blanks associated with this sample and, therefore, the detection is likely due to laboratory contamination.

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 (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 have historically been detected in well 03U087, while 03U521 has shown low levels of trichloroethene.

Well 03U087 was sampled during March 1992 for halogenated VOCs (Category 1) and cyanide (Category 4) as a check on groundwater quality. The results did not show either VOCs or cyanide.

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 later sampling detected only trichloroethene in Quarter 18 and in Quarters 19 and 20 no halogenated VOCs were detected. Sporadic detections of trichloroethene have been reported at 03U097 in the past.

Monitoring in 1992 consisted of sampling well 03U097 for halogenated VOCs during March. Results revealed no detections of VOCs.

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 been observed in the wells.

During 1992, wells 03U032 and 03U124 were sampled in March, June, and September while wells 03U016, 03U090, and 03L091 were sampled in March, only. All wells were sampled for halogenated and aromatic VOCs.

Analytical results contained in Table 2 show that detections of 1,1,1-trichloroethane and trichloroethene have historically been recorded in well 03U032, however, in 1992, only trichloroethene was detected at concentrations ranging from 1.51 to 2.13 ug/l. Analytical results showed continued detections of trichloroethene; 1,1-dichloroethene; 1,2-dichloroethene; 1,1,1-trichloroethane; and chloroform in well 03U090 and 1,1,1-trichloroethane and trichloroethene in well 03U124. Well 03U016, located upgradient of Site 129-15, did not detect any halogenated or aromatic VOCs in March 1992. Well 03L091, which has historically shown only one organic detection in all previous sampling events, had a detection of methylene chloride, a laboratory interference chemical, at a concentration of 2.34 ug/l in March 1992. The QA/QC blanks associated with this sample were not analyzed for methylene chloride. However, based on the consistent occurrence of methylene chloride in the blanks from other sample lots, it is likely that this detection is a laboratory contaminant although there is no directly related data to support that conclusion.

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

The groundwater concentrations observed at Site 129-15 wells during 1992 exceeded the groundwater action criteria for trichloroethene; 1,1,1-trichloroethane; and chloroform at 03U090 and trichloroethene at 03U124. 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 5.

Figure 38 displays water quality trends of both trichloroethene and 1,1,1-trichloroethane for 03U032 and 03U124, which show that both compounds are declining in concentration.

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 1992 consisted of March sampling of wells 03U704, 03U706, and 03U707 and March, June, and September sampling of well 03U705. All samples were analyzed for halogenated VOCs (Category 1).

Well 03U704, located within Site E, but downgradient of the gravel pit, continued to show low levels of trichloroethene in 1992. Concentrations of trichloroethene reported at 38 μg/l in October 1989 have decreased to approximately the 1-3 μg/l range. Tetrachloroethene was detected for the first time at 1.0 μg/l in well 03U704 during the March 1991 sampling event,

but was not detected in 1992. Wells 03U705 and 03U706 which have shown low trichloroethene concentrations in the past, had no detections in 1992.

Well 03U707, located northwest of the gravel pit, had shown relatively consistent levels of approximately 5 μg/l trichloroethene through March 1991. In March 1992, this value had decreased to 0.75 μg/l.

Well 03L523, a production well of the Arsenal Sand and Gravel Mining Company which operated the gravel pit until approximately 1986, was first sampled during April 1990 and showed 0.85 μg/l trichloroethene. The March 1991 results showed no detections of VOCs, but 0.52 μg/l trichloroethene was reported in September 1991. This well was abandoned in 1992 as discussed in Section III.B of this report.

There were no exceedances of the groundwater action criteria established in revised Table 3.7A of the FFA.

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 24 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. These wells were sampled in March 1992 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 03L005 has continued to show no detections of any VOCs. Well 03U005 had shown low consistent levels of trichloroethene and 1,2-dichloroethene, but only 1,2-dichloroethene at concentrations of 5.41 μg/l and 1.82 μg/l was reported in March 1991 and March 1992, respectively.

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 1992, trichloroethene was not detected in 03L138, but methylene chloride was detected at a concentration of 2.15 μg/l. Methylene chloride was also detected in March 1992 in wells 03M005 and 03L137 at 2.32 and 2.14 μg/l, respectively. There were no other detections in wells 03M005 or 03L137 in March 1992. Methylene chloride is a common laboratory solvent and was also detected in the QA/QC blanks associated with these samples. Therefore, it is likely that these detections are the result of laboratory contamination.

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. In March 1992, trichloroethene was detected at 12.30 μg/l in well 03L081.

In general, the uncontaminated water quality history of well 03L005 provides 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. In addition, the 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

Miscellaneous wells sampled during FY 91 included 03U007, 03U008, 03U009, 03U010, 03L007, 04U007, and 04U510 to assess background conditions and 03U031 southeast of Site K. Groundwater quality data for the background wells is discussed in Section VI of this report; hence, this section discusses only the data for 03U031.

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 1992, the detections of these two compounds were 10.20 and 2.77 μg/l, respectively. The trichloroethene concentration increased from 1.20 μg/l in March 1991 and exceeded the action criteria for trichloroethene of 2.8 μg/l as set forth in revised Table 3.7A of the FFA (Appendix A).

Figure 12 (Plan Sheet 14) shows a 10 and 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. A similar contour is shown on Figure 13 (Plan Sheet 15) for 1,1,1-trichloroethane.

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 45 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 24 and Plan Sheet 26) illustrates these wells and their relationship within the north plume. Concentrations of trichloroethene in well 04U844 have increased from 310 μg/l in May 1989 to 940 μg/l in March 1992. Well 04U847 also shows an increasing trend, whereas, well 03U821 shows a decreasing trend.

Figure 46 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 plume from Site I and is shown on cross-section B-B' (Figure 24 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 has decreased slightly to 640 μg/l in March 1992. The other wells shown on Figure 39 do not show any obvious trends.

Figure 47 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 233221 and 409549 appear to be declining; however, these trends are based on limited sampling data. The other wells shown on Figure 40 do not show any obvious trends.

E. SUMMARY

Monitoring data for FY 92 shows that Sites D, G, and I continue to represent the primary source areas for groundwater contamination in Unit 3 and Unit 4. However, decreases at wells 03U093 (Site D), 03U094 (Site G), and 03U029 (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 92 at Sites B, C, E, H, J, 129-3, or 129-5. Exceedances observed at Site F and Site 129-15 wells appear to be related to the plumes at Sites G and D, respectively, and not the result of activities at Sites F and 129-15.

Contamination does not appear to be migrating off TCAAP via the bedrock valley as evidenced by no detections 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 92 consisted of sampling required per the TCAAP National Pollutant Elimination Discharge System (NPDES) permit. This data has been, and continues to be reported to the MPCA Division of Water Quality as required by the NPDES permit. The data provided by FCC is included in Tables 4, 6, and 7. See Figure 53 for a map of surface sample locations.

Points 20100, 20200, 20300, 20400, 20500, 20700, 20800, 20900, 21000, 21100, 21200, 21300, 21400, and 21600 were sampled in May 1992 for PCBs. No PCBs were detected (see Table 4).

These same locations were sampled for VOCs on a quarterly basis, with the exception of 21200 through 21400 and 21600 which were sampled once. There were no VOCs detected in FY 92 (see Table 6).

Table 7 shows that cyanide, nickel, and mercury were not detected at concentrations greater than the surface water action criteria at any locations during FY 92.

Chromium was detected above the action criteria of 11 μg/l at 20400 (840 μg/l) on November 11, 1991, and (220 μg/l) on February 5, 1992. Subsequent sampling in May and August 1992 resulted in values of <2.18 μg/l and 2.72 μg/l. Point 20400 is an outfall into Rice Creek near the west side of TCAAP. Chromium concentration at all other locations were less than 2.73 μg/l on all occasions.

Zinc concentrations above the action criteria of 47 μg/l were reported at all locations except 20800, 21000 through 21300, 21600, and 20200. The maximum concentration was 150 μg/l at 20500 on February 5, 1992. At all locations with exceedances, at least one subsequent sampling event reported concentrations below the action criteria.

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 -- no additional action, beyond continued monitoring, is warranted at this time.

Section IX
Evaluation of Site A Interim Remedial Action

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. This unit varies in thickness from approximately 15-30 feet in the vicinity of Site A to 60 feet in the residential area of Shoreview north of Site A (Connell, June 1988). Unit 1 is the primary aquifer of concern in the Site A area,

with the underlying Twin Cities Formation or Unit 2, which consists of a glacial till, acting as an aquitard (Whitman, 1980).

The locations of the monitoring wells located in and around Site A are shown on Plan Sheet 3.

B. GROUNDWATER FLOW EVALUATION

1. Summary of FY 92 Monitoring Activities

The most extensive groundwater level monitoring conducted at TCAAP by FCC is performed at Site A. During FY 92, water level readings were measured at all wells in and around Site A during the March 1992 comprehensive sampling event. In addition, water levels were measured during Quarters 35 and 36 at four locations, while the pumping well (01U350) was measured quarterly. The groundwater elevation data obtained is presented in Table 1.

2. Flow Direction

The Unit 1 groundwater flow direction at Site A is generally west/northwest as shown on Figure 26, which depicts the specific conditions during March 1992. Upon the request of MPCA staff, the Unit 1 groundwater elevation map has been contoured without using the water level reading from the pumping well 01U350. The groundwater flow direction for 1992 data (Figure 26 and Plan Sheet 28) is consistent with the flow direction observed in previous Annual Monitoring Reports. Groundwater flow is to the northwest near the pumping well on the north side of Building 308. The groundwater flow interpretation in the southwest portion of Figure 26 (Plan Sheet 28) begins to suggest a slight change to a more westerly 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 partially shown on Figure 26 (Plan Sheet 28). 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.

A variation in the groundwater flow pattern was observed during March 1992 at wells 01U104 and 01U105 as shown on Figure 26 (Plan Sheet 28). Higher than anticipated groundwater elevations at these wells suggest an apparent mound in the water table resulting in radial groundwater flow in a localized area. A depression with standing water just east of well 01U105 may be acting as a groundwater recharge point, thereby creating the apparent groundwater mounding being observed at these wells (Fuller, 1993).

Implementation of the Site A Interim Remedial Action (IRA) has affected the groundwater flow pattern in a relatively small area of Site A downgradient of pumping well 01U350. The water level contours at elevations 891, 892, and 893 have been affected by pumping at 01U350. Contouring the water level data from November 1988, July 1989, May 1990, and March 1991 without the water level data from the pumping well appears to show that the influence due to pumping has decreased over time. The effect of groundwater pumping on the contours has appeared to decrease over time. This is most likely due to the well screen and pump becoming encrusted with iron bacteria and the associated decrease in performance.

Unit 1 groundwater elevations for FY 92 indicate a difference of approximately 7 feet across the Site A area. The horizontal hydraulic gradient has remained relatively steady at Site A and during FY 92 varied from 0.003 to 0.005 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 gradient shown above, and an assumed porosity value of 0.35, the horizontal groundwater velocity is calculated to be approximately 0.33 feet/day or 120 feet/year.

3. Groundwater Level Trends

The majority of Site A Unit 1 monitoring wells reported an average decrease in groundwater levels of approximately 0.6 feet in FY 92. Water levels generally rose in wells from August 1991 to December 1991, apparently from precipitation infiltrating into the unconfined aquifer. Groundwater level decreases were observed from December 1991 through August 1992, when little or no precipitation was apparently recharging the Unit 1 aquifer.

Groundwater hydrographs for 01U038, 01U039, 01U067, 01U108, 01U115 and 01U350 show water level fluctuations that have occurred over the Site A area. The hydrographs are included as Figure 2.

The Unit 1 wells in general had exhibited declining groundwater levels in FY 88 and FY 89 due to below-average precipitation in the Minneapolis-St. Paul metropolitan area. Groundwater levels increased in FY 90 and FY 91 and were above FY 88 levels. Groundwater levels decreased slightly in FY 92 as discussed above. Figure 2 illustrates the historical fluctuations in groundwater levels.

C. GROUNDWATER QUALITY EVALUATION

1. Summary of FY 92 Monitoring Activities

Groundwater sampling at Site A during FY 92 included of a comprehensive sampling event conducted during March 1992. The intensive sampling performed during the comprehensive

event allows for the preparation of groundwater quality contour maps to delineate the extent of contamination.

In addition, monitoring wells 01U108 and 01U902, along with pumping well 01U350, were sampled monthly during FY 92 to evaluate water quality at critical locations and to observe operating conditions related to the Site A IRA.

All wells sampled at Site A in 1992 were analyzed for Category 1, while selected wells were analyzed for Category 7. These categories are the halogenated and aromatic VOCs, respectively. In addition to sampling for VOCs, metals analysis (Category 2) was performed monthly at pumping well 01U350 and during March 1992 at monitoring well 01U902.

In addition, a supplemental metals sampling event, requested by the MPCA, was conducted in June 1992 to evaluate metals concentrations at select locations. This sampling was conducted at 23 wells in and around Site A with up to 17 metals being analyzed as determined by the MPCA and FCC.

2. Contaminant Plume Definition

Contaminant plume contour maps were prepared for Site A using the Quarter 34 (March 1992) comprehensive sampling results. Contour maps were developed for tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene, which are present in the groundwater at Site A. The contour maps are presented in Figures 27 through 29 (Plan Sheets 29 through 31). Last year a contour map was proposed for total 1,2-dichloroethene as this was the manner in which the data was reported. For FY 92, the laboratory reported the individual cis- and trans- isomers for 1,2-dichloroethene. A review of the data indicates that cis-1,2-dichloroethene is the most prevalent isomer in the groundwater; hence, this isomer was selected for preparation of a contour map. Groundwater quality data collected since Quarter 16 (Fall 1987) for organic and inorganic parameters is included as Tables 2 and 3, respectively.

a. **cis-1,2-Dichloroethene**

Cis-1,2-Dichloroethene concentrations reported for the March 1992 comprehensive sampling event were used to create an isoconcentration map which is included as Figure 27 (Plan Sheet 29). Water quality trends for cis-1,2-dichloroethene at selected Site A wells are presented as Figures 48 through 50.

Cis-1,2-Dichloroethene was detected in 8 of the 20 wells sampled during March 1992 with the highest concentration (190.00 μg/l) present at monitoring well 01U140, as shown on Figure 27 (Plan Sheet 29). Monitoring wells 01U139 and 01U140 were installed in July 1991 and have been sampled three times with highly variable (<0.20-190.00 μg/l) cis-1,2-dichloroethene concentrations being reported. Future sampling will help develop water quality trends for these wells.

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 01U140 as shown in Figure 27 (Plan Sheet 29). The 100 μg/l contour is larger than depicted in the FY 91 Annual Monitoring Report due to the increased concentrations observed at 01U139 and 01U140.

Monitoring well 01U108 appears to be the source strength well for disposal pits 2 and 5 as shown on Figure 27 (Plan Sheet 29). 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 wells 01U350 and 01U108 continue to decrease as shown in Figures 49 and 50, respectively.

The depiction of two plumes, each emanating from separate disposal pit areas, is supported by 01U125, which has historically never detected 1,2-dichloroethene.

Concentrations of 1,2-dichloroethene and cis-1,2-dichloroethene at monitoring wells 01U102 and 01U117 have generally exceeded the groundwater action criteria of 70 μg/l set forth in revised Table 3.7A of the FFA (Appendix A). These wells 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 48 and 49, respectively. In addition, sporadic exceedances of the groundwater action criteria during FY 92 were also reported at 01U108, 01U126, 01U139, 01U140, and 01U902. A complete listing of the FY 92 groundwater action criteria exceedances is included as Table 5. The concentrations observed at 01U902 in June and September 1992 suggest that contamination above the groundwater action criteria has migrated off the TCAAP property. The 1 μg/l contour shown in the residential area north of TCAAP had been drawn using FY 91 data on private residential wells as well as results from an MPCA sampling event also conducted on private residential wells in October 1992.

b. Trichloroethene

Trichloroethene concentrations reported for the March 1992 comprehensive sampling event have been used to create an isoconcentration map which is included as Figure 28 (Plan Sheet 30). Water quality trends for trichloroethene at selected Site A wells are included as Figures 48, 50, and 51.

In general, the initiation of pumping seems to be responsible for the decreased concentrations of trichloroethene in monitoring well 01U108, which appears to be the source strength well near disposal pits 2 and 5, as shown on Figure 28 (Plan Sheet 30). Trichloroethene concentrations at 01U108 appear to have peaked in August 1988 at 750 μg/l and have generally decreased to 11.9 ug/l in September 1992, as shown on Figure 50.

Monitoring well 01U102 appears to be a source strength well downgradient of disposal pits 6 through 8, as shown on Figure 28 (Plan Sheet 30). Trichloroethene concentrations at 01U102 also appear to be decreasing after a peak of 300 μg/l in April 1990 as shown on Figure 48. The maximum trichloroethene concentration at Site A has periodically shifted between wells 01U102 and 01U108. During March 1992 the highest concentration was observed at 01U102 (47.00 μg/l).

Since July 1989, concentrations appear to be increasing in well 01U117, located downgradient of monitoring wells 01U108 and pumping well 01U350. Increasing concentrations may be the result of a decreased capture zone which is allowing contaminants to migrate from the source area, or they may be the result of contaminants migrating toward the well from a separate source area.

Similar to cis-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 51. Further west of 01U902, detections at the Martin well in FY 91 and October 1992 indicate that trichloroethene also extends past the Martin well.

Trichloroethene contamination in Unit 1 at Site A was detected at five of the 19 wells sampled during March 1992. A total of eight wells in and around Site A exceeded the 2.8 μg/l trichloroethene groundwater action criteria during FY 92. A listing of this data is included in Table 5.

c. **Tetrachloroethene**

Tetrachloroethene concentrations reported for the March 1992 comprehensive sampling event were used to create an isoconcentration map which is included as Figure 29 (Plan Sheet 31). Water quality trends for tetrachloroethene at selected Site A wells are presented as Figures 48, 50, and 52.

As shown on Figure 50 and in Table 2, the tetrachloroethene concentrations at 01U108 fluctuated between 5.02 and 270.00 μg/l during FY 92. The data suggests a fluctuating, but overall decreasing trend since July 1991. Figure 52 shows that the tetrachloroethene concentration at 01U350 has generally risen from 13.70 μg/l in May 1990 to 38.00 μg/l in September 1992.

Tetrachloroethene contamination in Unit 1 was detected at five of the 20 locations sampled during March 1992. The highest tetrachloroethene concentration detected during March 1992 was reported at 01U102, which appears to be the source strength well from disposal sites 6 through 8, as shown on Figure 29 (Plan Sheet 31).

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.

Sporadic detections of tetrachloroethene have been reported at monitoring well 01U902 off the TCAAP facility on the north side of County Road I, as shown in Figure 29 (Plan Sheet 31).

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 of the 20 wells sampled in March 1992. However, periodic elevated detection limits as illustrated by wells 01U139, 01U140, and 01U902 on Figure 26 (Plan Sheet 28) hamper the ability to accurately assess water quality conditions and determine groundwater exceedances. A listing of all groundwater action criteria exceedances is presented as Table 5.

d. Aromatic VOCs

Analysis for aromatic VOCs was performed at 17 wells in and around Site A during FY 92. Of the 17 wells sampled, one well had a detection of benzene and one well had detections of total xylene.

Benzene was detected at well 01U102 in September 1992 at a concentration of 4.57 μg/l, which exceeded the benzene groundwater action criteria of 0.70 μg/l. Benzene was first detected in well 01U102 in April 1989 and has been consistently present since March 1991.

Total xylene was detected in pumping well 01U350 during March, June, and September 1992 at concentrations of 16.00, 8.43, and 2.30 μg/l, respectively, all of which are below the groundwater action criteria of 440 μg/l.

The detections described above at 01U102 and 01U350 suggest that the disposal pits 1, 2, and 4 through 8 may be contributing benzene and total xylene to the groundwater.

e. Metals

As documented in the Groundwater Quality Monitoring Plan, metals analysis (Category 2) was performed at wells 01U350 and 01U902 during FY 92. Well 01U902 exceeded the arsenic groundwater action criteria of 0.20 μg/l with detections

of 8.87 and 7.95 μg/l during March and June 1992, respectively. Well 01U350 exceeded the lead groundwater action criteria of 5.0 μg/l with a detection of 8.40 μg/l in September 1991. No other metals detections exceeded their respective groundwater action criteria.

As discussed previously, a supplemental metals sampling event was conducted in June 1992. During this sampling event, sporadic metals were reported, with arsenic antimony, thallium, and cobalt exceeding their respective groundwater action criteria as listed in Table 5.

D. RECOVERY SYSTEM OPERATION EVALUATION

Since September 13, 1988, FCC has operated and maintained an IRA groundwater recovery and treatment system at Site A. The Site A IRA is being evaluated in accordance with Attachment 2 of the FFA.

A Record of Decision prepared by the Department of the Army dated June 29, 1988, details the justification of a groundwater removal and treatment system at Site A (Walker, 1988).

1. System Description

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

The pumping well (01U350) is 6 inches in diameter and is located just north of Building 308 as shown on Figure 26(Plan Sheet 28). The well is set at the base of Unit 1 to a depth of approximately 29 feet and is screened across medium to coarse sands, clayey silts, and silty sands.

Recovered groundwater is transferred to a 10-foot by 10-foot heated treatment building adjacent to well 01U350 as shown on Figure 26(Plan Sheet 28). The treatment building contains four sediment filters operating in two parallel paths. The first-stage sediment filters use 25- micron filters to remove fine-grained particulates. The second-stage filters use 5-micron filters which further remove fine-grained particulates prior to the water travelling into carbon vessels. The water is 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 is Filtrasorb 300, with an effective size of 0.8-1.0 mm (Connell, April 1988).

The treated water is discharged to an east-to-west trending drainage ditch on the north side of Building 308, as shown on Figure 26 (Plan Sheet 28). The ditch is 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 26 (Plan Sheet 28). Since start-up of the system, water has infiltrated into the ground within a short distance from the discharge point. Presently the water flows approximately 100 feet west from the discharge point before being completely infiltrated.

2. System Maintenance

A high amount of maintenance has been routinely performed on the system to ensure continuous operation. Iron bacteria buildup in the well results in clogging of the treatment system, including pump intake and sediment filters which results in restricted water flow. The 25-micron sediment filter is replaced twice a week and the 5-micron sediment filter once a week because of the iron bacteria clogging. Since April 17, 1991, FCC has performed weekly shocking of the well by pouring 500 gallons of chlorinated water (100 ppm chlorine concentration) into the well. The pumping well (01U350) remains inactive for 2½-3 hours before pumping is resumed. Since initiating well shocking, fluctuations in the flow rate from the pumping well have been reduced, which allows the system to maintain a consistent 3 to 4 gallon per minute (gpm) flow rate.

Due to the well pump becoming fouled and malfunctioning in 1989, the pump is now removed from the well for cleaning and inspection every six months. During FY 92, pump inspection and cleaning and jetting of the well screen took place on December 12, 1991 and July 24, 1992.

A carbon vessel, which had experienced breakthrough, was taken off line in June 1992 and replaced with a new carbon vessel. The initial carbon vessel from the series configuration was replaced in June 1992 after reaching saturation. The replacement carbon vessel is the same type as described earlier.

3. Treatment Volumes and Efficiency

During FY 92, the groundwater treatment system operating at Site A treated over 1,560,000 gallons of water, as shown in Table 8 (Fuller, 1992). Since implementation of the groundwater treatment system on September 13, 1988, more than 6.6 million gallons of water have been treated.

The required treatment level of the Site A IRA was established in the Site A Record of Decision (ROD) at five μg/l for trichloroethene (Walker, 1988). This treatment level was documented in the ROD to meet all state and federal applicable or relevant and appropriate requirements (ARARs).

Verifying that the Site A IRA meets the required treatment level is achieved by performing monthly sampling of the influent and effluent of the treatment system. Influent of the system during FY 92 averaged approximately 15 μg/l for trichloroethene, 33 μg/l for tetrachloroethene, and 17 μg/l for 1,2-dichloroethene. Effluent analysis in FY 1992 reported low levels of 1,2-dichloroethene (0.642-1.20 μg/l) in the May-July samples as shown on Table 8. No other detections of 1,2-dichloroethene, trichloroethene, and tetrachloroethene have been reported in the effluent since initiation of Site A pumping in September 1988. The detection limits for the influent and effluent sampling during FY 92

were 0.5 μg/l for trichloroethene, 1.0 μg/l for tetrachloroethene, and 0.5 μg/l or 1.0 μg/l for 1,2-dichloroethene.

4. Contaminant Quantities Recovered

Concentrations of VOCs have decreased sharply in well 01U350 since initiating pumping in 1988. From September 13, 1988, through September 15, 1992, tetrachloroethene concentrations have dropped from 620 μg/l to 38 μg/l; trichloroethene has dropped from 380 μg/l to 16.1 μg/l; and 1,2-dichloroethene has dropped from 540 μg/l to 23.2 μg/l. Data showing the monthly concentrations of the contaminants discussed above is shown for well 01U350 in Table 2.

Based on the measurements of the three VOCs shown in Table 8, the mass of contaminants removed from start-up through the end of FY 92 is 3.85 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 8 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 2 and Table 8, since Table 2 data was retrieved from the IRDMIS.)

5. Capture Zone Evaluation

A system evaluation of Site A 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 92 Annual Monitoring Report based on the following information:

1. Site A groundwater elevation map (Figure 26 and Plan Sheet 28);
2. Groundwater hydrographs for selected Site A wells (Figure 2);
3. Site A cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene, plume definition maps (Figures 27 through 29 and Plan Sheets 29 through 31); and
4. Groundwater quality trends for tetrachloroethene, trichloroethene, and 1,2-dichloroethene at selected wells (Figures 48 through 52).

The groundwater elevation map shows a deflection in the 891, 892, and 893 contour lines as shown on Figure 26 (Plan Sheet 28), indicating capture zone influences near the pumping well (01U350). The downgradient extent of the capture zone could be better defined if a monitoring point located between wells 01U108 and 01U117 were installed to verify that a groundwater contour(s) closes around the pumping location. The capture zone in March 1992, as defined by the contour lines, appears to be less extensive than the capture zone defined in FY 91 and continues a general trend of decreasing capture.

Based on the groundwater elevation map and the groundwater hydrographs, it appears the amount of drawdown in the pumping well has decreased in FY 92. The pumping well during FY 92 consistently had at least 6 feet and up to 13 feet of standing water above the pump which was not being removed to maximize drawdown. The pumping well currently operates continuously at approximately 3-4 gpm, yet the pump is rated to 10 gpm. Overall system efficiency could be increased significantly if pumping could draw down the 6 to 13 feet of water above the pump. Another limiting factor to increasing pumping is pressure buildup in the carbon canisters, which appears to be the result of iron bacteria growth in the carbon.

The isoconcentration map of cis-1,2-dichloroethene (Figure 27) does show decreased capture effects relative to FY 90 and FY 91 in the vicinity of 01U117. The concentrations of 1,2-dichloroethene and trichloroethene in monitoring well 01U117, downgradient of the pumping well have increased since April 1989, which suggests that the decreased capture zone is allowing some migration of contaminants from the source area.

The isoconcentration map for tetrachloroethene (Figure 29 and Plan Sheet 31) does not show noticeable effects from pumping.

In summary, the water level contours and increases in VOC concentrations at 01U117 suggest that the recovery well at Site A may not be preventing all contamination from migrating from disposal pits 1 through 5 and 16. In addition, 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. The Army is presently evaluating additional interim remedial actions for Site A, which will be documented in a report to be released during FY 93.

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 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 fourth 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 1991 through September 1992.

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. It was intended that the TGRS would be 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 includes 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.

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 data base.

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 intended to be a performance assessment report and not just a monitoring report. This is because 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. The exhaustive assessment was possible as there were data available from non-pumping conditions for detailed comparison with pumping condition. Since 1990 the system 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 1991 through September 1992 operation of the completed TGRS. The schedule for reporting was changed from the calendar year 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 1992 performance of the TGRS in comparison to the groundwater capture and treatment criteria contained in the EPA ROD. Table 9 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 the TGRS. Hydraulic capture will be 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 10 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 10 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 largely ignored the interconnection of the Unit 3 and Unit 4 aquifers. What was unusual was that the Unit 3 thickness varied by a factor greater than 2 along the southwest TCAAP boundary. This thickness variation was

not reflected in the pumping test results. It would be expected that the transmissivities would vary more or less directly with the thickness of the unit.

Subsequent to the BGRS Pumping Test Report it has been 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 observation 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.

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. It was also agreed, 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 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 for the seventeen extraction wells was determined to be 2,450 gpm. During the detailed design of the TGRS, the system was designed based on hydraulic 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 operational fluctuations in system performance.

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^2/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 transmissivities along the boundary are consistent.

C. TGRS ENGINEERING CONTROLS

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

- maximum anticipated 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 discharge points;
- appropriate piping and equipment sizing to handle changes in flow rates;
- match equipment and structure sizes appropriately;
- flexibility to be able to operate the system with portions of the system shut down;
- long term operational life;
- automatic operation requiring a daily system check, emergency response as required and regularly scheduled maintenance.

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 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 in Figure 54.

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 by 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 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 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 11 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.

- Turbines 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.

- Turbines 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 cfm each. The blowers for Towers 3 and 4 provide 9,000 - 14,000 cfm each.

- Level controls 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 pumps according to high 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 wells cycle off rather than the extraction well field. 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 well field. This also provides for more continuous and complete hydraulic capture within the aquifer units. The well field will cycle if necessary, however, starting with the least contaminated extraction well, B3, and followed by the other extraction wells in a predetermined sequence. The programmed shut down sequence is presented in Table 12 .

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 11;

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. 1992 Operational Performance

a. Overall System Performance

FY 1992 was the fourth year of operation of the expanded TGRS system. During October 1991 to September 1992 the system treated 1,407,227,000 gallons of water (Meters #1 and #2). The monthly and annual volume of water pumped is presented in Tables 13 and 14. Table 13 presents the pumphouse metered monthly flow volumes of each extraction well. Table 14 presents the combined pumphouse metered flow volume (extraction wells) and the flow volumes metered at various stages in the treatment center.

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 1992 Monthly Flow Reports is presented in Appendix H.1. During 1992, 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 15. In 1992, SC1 operated as a subsystem to the TGRS.

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

d. Description of Down Time Areas

TCAAP Electrical System Failures: All electrical power to the TGRS is provided by the TCAAP electrical system. The TCAAP system suffered numerous failures. Down time from power outages was 420% greater than the next largest source of downtime, repairs. A significant amount of repair work and several modifications were performed on the TCAAP electrical system.

A detailed list of system events is presented in Appendix 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 16.

e. 1992 Operating Performance

The TGRS successfully captured and treated over 1,407,227,000 gallons of contaminated water from October 1991 through September 1992. The system pumped 112 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, including all causes of downtime. The system was operational over 99 percent of the time when downtime from TCAAP power failures are excluded. This is an increase over the 1990 and 1991 operating year in which the system operated 98 to 99 percent of the time respectively and pumped 109 percent of the quantity required for capture. The FY 1992 operation was therefore 3% higher than FY 1991. The increase in operating reliability can be attributed in part to the following.

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 and the treatment center were interchanged. Flow volume measurements before and after interchanging the meters were compared to verify consistency of measurement. All meters operated acceptably. Treatment center meters M5 and M6 were not interchanged due to the difficulty of access and cost involved. 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. On a daily basis meter readings were entered into the computer, and flow rates were calculated and reviewed by the operations staff. Early detection of changes in flow rate have been critical in identifying failing equipment. By early detection of flow rate changes, the equipment repair was scheduled before a downtime failure occurred.

Pumphouse Flow Tests and Motor Amperage Readings -Pumphouse lift systems were tested to determine the present flow capacity and motor amperage draw. Test flow capacity was compared to the original flow capacity and amperage draw. Decreases in flow capacity and 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 1992 was determined by contouring the March 1992 and October 1992 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 3, 6, and 9 present the groundwater contours for the upper Unit 3, the lower Unit 3 and the Unit 4 for March 1992. Figures 4, 7, and 10 present the groundwater contours for early October 1992. These water levels were scheduled and were partially completed in September 1992, but due to field difficulties the full round was not conducted until October 1992. These figures are also presented full size as Plans 5, 6, 8, 9, 11, and 12. These 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, this area 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 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.

The flow field is quite similar to that presented in the 1991 and previous Annual Monitoring Reports. This is as expected since the groundwater extraction system has been operating at an essentially steady rate throughout the year. Past investigation had not indicated significant changes in the ambient flow pattern during nonpumping 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 increases in water levels occurred between the February 1991 and the March and October 1992 rounds. Water level increases were generally between 1.3 and 2.0 feet across the Site. 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. Greater water level increases occurred at wells further away from the extraction well network. This represents more relative drawdown along the southwest TCAAP boundary. This likely reflects the increase in pumping performance during the year.

1. Vertical Gradients

Table 17 presents the historical vertical gradient summary. This table reveals that there was little significant change in vertical gradients over the last year. There was little effect on the measured vertical gradients as a result of the well elevation resurvey that was conducted.

The consistency in vertical gradients is as expected since the groundwater extraction system has operated at an essentially steady state condition during Fiscal Year 1992.

2. Arsenal Sand and Gravel Pit Discharge Water Balance

The water elevation in the Arsenal Sand and Gravel Pit is measured via three staff gauges (SG1, SG2, and SG3). The water elevations in the Arsenal Sand and Gravel Pit increased during FY 1992 consistent with the background water level increases. In February 1991 the Gravel Pit water level was 865.22. In March 1992 the elevation was 867.57. In October 1992, the water elevation was 866.57. These stable water levels in the Gravel Pit illustrate 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 1992.

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 1992 sampling data. These plans are also included here as Figure 12, Figure 16 and Figure 20. 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 14, Figure 18 and Figure 22. Figures 30 through Figure 47 present TRCLE vs Time plots for several selected monitoring wells.

As these plans indicate, the VOC plumes at TCAAP exhibit similar configurations to those identified in the 1988 through 1991 Annual Monitoring Reports. Well nest 001 defines the northern extent of the plumes and well nest PD2U3 defines the southern limit of the plumes.

Groundwater quality data for the monitoring wells is presented in Table 2. Well 04U001, defining the northern edge of the plume, fluctuated from 3.7 μg/L to 21.9 μg/L TRCLE in June and September 1992. Historically, this well has been approximately 5 μg/L TRCLE. Additional data in FY 1993 will help confirm if a trend is developing at this well.

Groundwater quality in the southwest boundary area is most easily defined by analyzing groundwater quality trends from the area. Groundwater trend figures have been created that detail changes in trichloroethene concentrations over time at various locations and aquifers in the southwest boundary area.

Figure 39 shows trichloroethene trends at well nests 001 and 714, which are located along the north edge of the northern plume. The overall trend for the Unit 4 wells seems to be decreasing over time and that trend also continued in 1992. The data for well 03L001 indicates that the concentration in that well has remained fairly steady. At present, the upper Unit 4 and Jordan aquifers have the highest concentrations.

Figure 42 shows concentrations over time at well nest 802 (except 03L802) and wells 03L809 and 409550. The trichloroethene trend for 03L802 is presented as Figure 43. The 802 well nest is located off-post in the southern portion of the southwest boundary area (south plume), while wells 03L809 and 409550 are located off-post in the northern portion of the southwest boundary (north plume).

The highest concentration in the northern area has been in the lower Unit 3 aquifer, but the concentration in the upper Unit 3 aquifer, as illustrated by well 409550, appears to be rising to concentrations comparable to lower Unit 3. The trichloroethene concentration at 409550 increased from 78 μg/l in May 1989 to 3,200 μg/l in September 1991 and decreased slightly

to 2,400 μg/l in March 1992. Cross section A-A′ (Figure 21) shows that 409550 and 03L809 appear to straddle a zone of lower concentrations. The lower concentrations may reflect an area of lower hydraulic conductivity as evidenced by the "red till" on cross section A-A′.

Concentrations near the southern portion of the southwest boundary over at 03L802 have decreased from 13,000 μg/l in December 1987 to 27.40 μg/l in September 1991 and 36 μg/l in March and June 1992 (Figure 43). Figure 42 shows a similar decrease at 03M802, while the concentrations at 04U802 have remained around 1-3 μg/l.

Figure 44 shows concentrations at the 806 well nest, located slightly off-post in the triangle area. This trend figure was prepared to evaluate water quality trends in the north plume migrating from TCAAP. Contamination in the lower Unit 3 aquifer has historically been the highest, but trichloroethene concentrations in upper Unit 4 are comparable. Concentrations in PJ#806 and 03U806 appear to be increasing.

Cross section A-A′ (Figure 24) shows the various elevation positions of the 806 wells and their position within the path of the downward migration of the north plume. The increasing concentrations are likely the result of continued plume movement at a slower rate due to the hydraulic influence of the extraction wells. It is expected that the concentrations of VOCs will continue to fluctuate in the 806 well nest due to the area of stagnation created by the TGRS.

Figure 40 shows concentrations over time at 03M003, 03L003, 04U003, and 03U672, which are located in the southeastern end of the southwest boundary area. Figure 41 shows concentrations for 03U003.

The FY 1991 monitoring report discussed the apparent decrease in TRCLE concentration at well 03U003 during 1991. Well 03U003 appeared to decrease from 1400 μg/L TRCLE, in March 1991, to 30.3 μg/L in June 1991 and ND in September 1991. In March 1992,

however, well 03U003 was 990 μg/L TRCLE. Closer inspection of these data indicate the results from 03U003 and 04U003 were switched in September 1991. Well 04U003 has historically been less than 3 μg/L TRCLE. However, the reported September 1991 result for 04U003 was 1400 μg/L. The March 1992 data for 04U003 was ND for TRCLE. These anomalous data indicate the September 1991 data was switched for 03U003 and 04U003. The TRCLE concentration of 30.3 μg/L in June 1991 remains anomalous. However, it appears the TRCLE concentrations at 03U003 have not decreased as significantly as reported in last year's report. Nonetheless the TRCLE concentration at well 03U003 has decreased from 1800 μg/L TRCLE in 1990 to 990 μg/L in 1992.

Well B11 was added to the TGRS design, at the request of EPA and MPCA, to assure sufficient capture at the south TCAAP boundary. Shortly after the start up of the TGRS 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 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 3.3, the TGRS extracted and treated 1.4 billion gallons of water from October 1991 through September 1992. Based on the monthly influent VOC concentration (see Section 5.3) and the monthly flow totals measured at meters #1 and #2 (see Section 3.3), the TGRS removed a total of 24,527 pounds of VOCs from October 1991 through September 1992.

Table 18 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 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. 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 quarterly from the 17 extraction wells that comprise the TGRS. Table 19 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, B2 and SC1 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.

It appears that the 1,1,1-TCE to TRCLE ratio has increased at well B3, with the two compounds exhibiting approximately the same concentration. This trend was first observed near the end of the 1990 operational year.

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.2 presents TRCLE versus time graphs for each extraction well. Well B1, B2, B7, B10, B12, SC1, SC2 and SC3 exhibit declining TRCLE concentrations over time. Wells B5, SC4 and SC5 exhibit rising TRCLE concentration with time. In the remaining wells, no trend is clearly evident. These trends appear to indicate a redistribution of the plumes due to pumping stresses. These trends may also be the result of a decline in overall plume strength. However, as discussed below, there has been no clear reduction in overall TGRS influent concentrations yet.

VOC mass removal rates are summarized for each extraction well on Table 18. The mass removal rates are based on average pumping rates over each monitoring interval. As Table 18 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 over 1,000 lbs of VOCs and accounted for 95 percent of the VOC mass removed. The source control wells, SC1 through SC5, together accounted for 41 percent of the VOC mass removed while accounting for only 12 percent of the water pumped by the system. SC5, in particular, removed 1/3 of the total VOC mass. 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. 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 1992. Table 20 presents a summary of the influent and effluent data. TGRS influent is labeled TGRSI and effluent is labeled TGRSE in Appendix G.2. Figure 55 presents a graph of influent TRCLE versus time. This graph is cumulative and includes previously reported BGRS data. Influent concentration remained relatively stable in FY 1992. The average FY 1992 influent TRCLE concentration was 1,637mg/L.

Figure 55 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 1992. A review of the 1992 database indicates that the effluent has remained below the Contaminant Specific Requirements for all other VOC compounds in the ROD. Comparison of influent and effluent TRCLE indicates an average removal efficiency of 99.9 percent.

b. Priority Pollutant Scan

Appendix G.2 includes the results of the annual effluent priority pollutant scan conducted in March 1992. Semi-volatile compounds were not detected. Base/neutral extractable organics were not detected. Pesticides were not detected. PCB were not detected. These compounds are not expected to be present in TGRS effluent. The priority pollutant 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 priority pollutant scan above the contaminant specific requirements in the ROD.

c. Metals

In addition to the priority pollutant scan, metals samples were collected monthly from the system effluent. Metals, specifically lead and cadmium, have been sporadically detected above contaminant specific requirements in the effluent and a few monitoring wells. Regular metals sampling of the effluent was also conducted in 1992 to monitor this occurrence.

The 1992 effluent metals analyses did not exhibit any metals exceeding the contaminant specific requirements in the ROD. Table 21 presents the effluent metals summary. In particular, lead was not detected in TGRS effluent during FY 1992. Cadmium was not detected in TGRS effluent in FY 1992.

d. Total Phosphorus and Ortho Phosphate

Table 22 summarizes the extraction well and effluent phosphorus and ortho phosphate analytical data. During 1992 the effluent was analyzed for total phosphorus and ortho phosphate monthly in accordance with the Monitoring Plan. Total phosphorus and ortho phosphate are monitored to address nutrient loading for surface water discharge. The TGRS design can accommodate surface water discharge via Rice Creek. Currently, however, this option is not under consideration.

These data indicate that the aquifers at TCAAP exhibit variable phosphorus concentrations. It is expected that varying flow rates will affect effluent concentrations but the long term mean will be relatively stable. In particular, the ortho phosphate results have exhibited a reasonable consistency between 1987 and 1992.

Since the surface water discharge option is not used, and probably will not be used in the future, phosphorus sampling has been removed from the sampling plan for FY 1993.

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 18. Air emissions therefore averaged 67 lbs/day based on the VOC mass removal rates. The total emissions from October 1991 through September 1992 were 24,527 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, 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 was 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 drainage 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 Yaeger Tri-pack packing. During FY 1992 the system collected and treated 6,406,117 gallons of water and removed approximately 22.1 pounds of VOCs, based on the average influent VOC concentrations.

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 influent and effluent were sampled on a monthly basis for the target VOCs listed in Table 23. In addition, effluent is monitored for phosphate and total phosphorus on a monthly basis, for target metals on a quarterly basis and for HSL: VOCs, semi-VOCs, metals and pesticides/PCBs annually to meet NPDES requirements. Effluent monitoring parameters are summarized on Table 24.

2. Groundwater Monitoring

Water levels are collected quarterly 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. In FY 1992, samples were collected in accordance with the Monitoring Plan. The comprehensive monitoring well

sampling was conducted in March 1992. Figure 56 and Figure 57 present the sampling and water level monitoring locations. Figure 56 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 is presented in Table 25. 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 58 through 61 present plan views of the groundwater contours from the three quarters of the groundwater level sampling. 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 in Figures 62 through 65. 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 BP3. BP3 is the closest bundle piezometer to the collection trench. BP3 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. BP3 also exhibits water levels consistently lower than all four monitoring points at bundle piezometer BP4. 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 66 presents the trichloroethene concentrations from the March 1992 annual sampling event. Comparison of Figure 66 to the groundwater contour maps indicates that the VOC plume is hydraulically contained by the treatment system. Table 26 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 66 was drawn with consideration of the extensive historical data.

Influent and effluent analytical results are presented in Table 27. Historically, the higher concentrations in the influent have corresponded to higher pumping rates. Table 28 presents the effluent priority pollutant scan results.

The October 5, 1991, effluent result for TRCLE appears anomalous. As part of Alliant Techsystems, Inc.'s ongoing (internal) stripping-tower maintenance program, they collected VOC samples on October 9 and October 18, 1991. These samples were non-detect. These data indicate the October 5, 1991, data are probably erroneous. These data were explained in the Quarterly NPDES report covering that period. Alliant continues to regularly monitor VOCs at the effluent on a weekly basis via their internal laboratory.

F. CONCLUSIONS

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

Section XII
Evaluation of Site I Interim Remedial Action

Four Unit 1 monitoring wells were sampled at Site I (Building 502) during 1991. These wells are 01U064, 01U636, 01U639 and 01U640. Figure 67 shows these well locations. Samples from 01U636 and 01U640 were analyzed for EPA Method 608 PCBs and all four wells were analyzed for EPA Method 601 VOCs. Table 29 presents the results of these analyses.

The VOCs present at the wells are consistent with past data which identified VOCs in the Unit 1 at Site I. The Unit 1 aquifer at Site I is discontinuous and does not flow off site. This is evidenced by dry Unit 1 monitoring wells along the south and west boundaries of Site I. To the east and north, the Unit 2 is absent.

No PCBs were detected in groundwater. 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. The lack of PCBs over the last six years suggests that residual PCBs which remain in the excavated area are immobile and are not a threat to the Unit 1 groundwater.

Conclusions

The PCBs potentially present in the Site I soils have not entered the Unit 1 groundwater.

Section XIII
Conclusions

Based upon the results of monitoring performed at TCAAP, the following conclusions are offered:

Wenck

1. Groundwater in upper Unit 3, lower Unit 3, and upper Unit 4 generally flows to the southwest both beneath TCAAP and off-post. Local variations are evident, particularly in areas affected by pumping wells. Off-post, both the New Brighton and St. Anthony municipal well fields appear to influence groundwater flow directions, especially in upper Unit 4.

2. As expected, VOCs remain undetected at background monitoring locations near the eastern property boundary of TCAAP.

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

4. As noted last year, Sites D, G, and I appear to represent the most significant sources of VOC contamination at TCAAP. The plumes from Sites D and G merge on-post and continue off-post as a single plume. On-post there is separation of this plume and the plume emanating from Site I. Concentrations for VOCs are generally lower in the Site I plume than in the plume from Sites D and G.

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 decreasing concentrations in monitoring wells at and immediately downgradient of Sites D, G, and I.

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 24 and Plan Sheet 26) indicate the possibility that a separate source is contributing to the higher VOC concentrations reported at 200812 (Gross Golf Course), 234546 (Honeywell), and 233221 (Reuben Meats). The detection of trichloroethene of 8.86 μg/l at well 03L858 may be the result of a separate source. The off-post isoconcentration maps indicate that the 100-μg/l contours for trichloroethene and 10-μg/l contours for 1,1,1-trichloroethane are separated by approximately 2 miles.

7. Surface water monitoring in FY 92 indicated sporadic exceedances of various surface water criteria, but no consistent detections were apparent.

8. 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.

9. The existing recovery well at Site A, 01U350, appears to be effectively capturing VOC contamination in the immediate vicinity of the well, but the capture zone does not extend to the TCAAP boundary or beyond. Hence, contamination which was already beyond the capture zone when the IRA was implemented will continue to move downgradient. Furthermore, the existing recovery well does not appear to be decreasing VOC concentrations in the area of 01U102.

CRA

Based on the FY 1992 monitoring data for the TGRS, Site K and Site I the following conclusions are made:

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 7,000 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 2,700 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 criterion 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 criterion in the EPA ROD.

4. The TGRS extracted and treated 24,527 pounds of VOCs from October 1991 to September 1992.

5. The VOC plumes showed little variation in overall extent 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 sampling events.

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

9. The Site K groundwater extraction and treatment system removed 22.1 lbs. of VOCs in FY 1992 and continues to provide hydraulic capture of the VOC plume.

10. PCBs potentially present in Site I soils have not impacted the Unit 1 aquifer at the Site.

Section XIV
Fiscal Year 1994 Annual Monitoring Plan

A. FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

The Fiscal Year 1994 Groundwater Quality Monitoring Plan is included as Table 30. The starting date for each monitoring event is shown on Table 30 to serve as notification to the MPCA in place of separate letters. The sampling frequency will generally remain the same as it was in the Fiscal Year 1993 Groundwater Quality Monitoring Plan. One comprehensive round of sampling will be performed in March as in past years to enable preparation of comprehensive contour maps. To provide additional confidence at more critical locations, select wells will also be sampled in September. Historical data for this project indicates that groundwater quality changes occur over years, not months, and henceforth, sampling three or four times per year is not justified. The Operable Unit 3 (OU3) groundwater recovery system is scheduled to be in operation for FY 94. In anticipation of operation, the FY 94 monitoring plan includes the performance monitoring proposed by CRA for OU3. The frequency of monitoring for these wells will be decreased after the first year of operation as noted on Table 30.

All monthly and quarterly influent and effluent monitoring for Site A, Site K, and the TGRS will remain unchanged (Table 31). New for FY 94 is the addition of treatment system monitoring for the OU3 groundwater recovery and treatment system.

The following specific changes to Table 30 have been made for FY 94:

Notes: • = Review of historical data showed that parameter(s) and/or frequency for sampling was not warranted.

Site	Well I.D.	Quarter(s)	Sampling Change	Rationale for Change
A	01U102	42,44	Decreased from quarterly to semiannually	•
	01U108	42,44	Decreased from monthly to semiannually	•
	01U115	42,44	Decreased from quarterly to semiannually	•
	01U117	42,44	Decreased from quarterly to semiannually	•
	01U139	42,44	Increased from annually to semiannually	•
	01U140	42,44	Increased from annually to semiannually	•
	01U902	42,44	Decreased from monthly to semiannually	•
Gravel Pit	03L522	42	Omit from plan	Well Abandoned
	03L523	42	Omit from plan	Well Abandoned
Off-Post (Upper Hillside Formation)	234352 (White)	42	Added Category 1	Downgradient 03U well Sample if not abandoned
Off-Post (Lower Hillside Formation)	03L832	43,44	Added Category 1	OU3 Performance
	03L848	43,44	Added Category 1	OU3 Performance
	03L860	43,44	Added Category 1	OU3 Performance
	03L861	43,44	Added Category 1	OU3 Performance
	MW15H	43,44	Added Category 1	OU3 Performance

Site	Well I.D.	Quarter(s)	Sampling Change	Rationale for Change
Off-Post (Prairie du Chien Formation)	512761	42	Added Category 1	New Gross Golf Course Well
	04U832	43,44	Added Category 1	OU3 Performance
	04U845	43,44	Added Category 1	OU3 Performance
	044848	43,44	Added Category 1	OU3 Performance
	04U851	43,44	Added Category 1	OU3 Performance
	04U854	43,44	Added Category 1	OU3 Performance
	04U860	43,44	Added Category 1	OU3 Performance
	04U861	43,44	Added Category 1	OU3 Performance
	414U4	43,44	Added Category 1	OU3 Performance
	322U4	43,44	Added Category 1	OU3 Performance
	323U4	43,44	Added Category 1	OU3 Performance
	324U4	43,44	Added Category 1	OU3 Performance
	325U4	43,44	Added Category 1	OU3 Performance
	326U4	43,44	Added Category 1	OU3 Performance
Off-Post (Jordan Formation)	324J	42	Added Category 1	OU3 Performance
	326J	42	Added Category 1	OU3 Performance
	200076	42	Added Category 1	Add definition near Gross Golf Course
	233221		Delete sampling	Data not used for contouring
Off-Post (Unknown Formation)	405651		Delete sampling	Data not used for contouring

B. FISCAL YEAR 1994 GROUNDWATER LEVEL MONITORING PLAN

The Fiscal Year 1994 Groundwater Level Monitoring Plan is included as Table 32. The starting date for each monitoring event is shown on Table 32 to serve as notification to the MPCA in place of separate letters. With the exception of Site A and OU3, the frequency of the monitoring will remain the same as in the Fiscal Year 1993 Groundwater Level Monitoring Plan. Site A monitoring has been reduced from approximately twice per quarter to semiannually for FY 1994 with the exception of O1U350, which will be monitored

monthly. Historical data for this project indicates that seasonal groundwater level changes are not significant, and henceforth, monitoring more than semiannually is not justified. To monitor initial performance of the OU3 groundater recovery system, wells in that area will be monitored quarterly as indicated on Table 32.

C. FISCAL YEAR 1994 SURFACE WATER MONITORING PLAN

The surface water monitoring plan consists of the National Pollutant Discharge Elimination System (NPDES) sampling. The surface water sampling locations are shown in Figure 53 while the NPDES Monitoring Plan is included as Table 33.

D. FISCAL YEAR 1994 REPORTING

1. Quarterly Reports

After completion of each monitoring event, a quarterly report will be prepared for submittal to the MPCA and USEPA. The quarterly reports will be submitted to the Project Managers at least 15 days prior to the next quarterly sampling. The quarterly reports will consist of the following:

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

2. Annual Report

By February 15, 1995, an annual report will be submitted to the MPCA and USEPA Project Managers which documents the results of monitoring during FY 94. The format for the Fiscal Year 1994 Monitoring Report will be the same as this report in regard to discussion topics, tables, figures, appendices, and plan sheets. In addition, the report will include Minnesota Department of Natural Resources pumping records for high capacity wells near TCAAP, especially the New Brighton and St. Anthony municipal wells. This data will be included as an appendix for reference purposes, but no discussion will necessarily be presented.

Section XV
References

Alliant Techsystems/Army/CRA, 1991. "IRA-TGRS, Site I and Site K 1990 Annual Monitoring Report, Volume I and Volume II." July 1991.

Argonne National Laboratory, 1991. "Installation Restoration Program, Remedial Investigation Report for the Twin Cities Army Ammunition Plant." Final Report, July 1991.

Camp Dresser & McKee, Inc., 1991. "Phase IA Multi-Point Source Groundwater Remedial Investigation, New Brighton/Arden Hills, Minnesota." Final Report, February 1991.

Connell, P.J., 1988. "Installation Restoration Program, Twin Cities Army Ammunition Plant, Site A Interim Response Action, Technical Plan." Draft Final Report, April 19, 1988.

Fuller, D.B., 1993. Personal Communication from David Fuller, Federal Cartridge Company to William P. Johnsen, Wenck Associates, Inc., January 11, 1993.

Fuller, D.B., 1991. "Twin Cities Army Ammunition Plant, Sites A, D, and G Interim Response Action, Monthly Operations Report: December 1992.

Honeywell/Army/CRA, 1987. "BGRS Extraction Well Pumping Test." April 1, 1987.

Honeywell/Army/CRA, 1988. "IRA-BGRS: Water Balance." February 18, 1988.

Honeywell/Army/CRA, 1988. "IRA-BGRS Performance Assessment Report." August 4, 1988.

Honeywell/Army/CRA, 1990. "IRA-TGRS: 1989 Annual Monitoring Report and Monitoring Plan." May 21, 1990.

Honeywell/CRA, 1980. "Groundwater Remediation Program Plan (GRPP)." June 18, 1986.

Honeywell/CRA, 1987. "Off TCAAP Study, Phase III: Plume Definition Report." August 5, 1987.

Honeywell/CRA, 1989. "IRA-BGRS Annual Monitoring Report and Monitoring Plan." May 31, 1989.

Honeywell/CRA, 1989. "Aquifer Characterization Study, Off TCAAP Study, Phase III: Supplement." November 1, 1989.

International Technology Corporation, 1992. "Aquifer Test Site A, Twin Cities Army Ammunition Plant, New Brighton, MN." August 1992.

Jacques, J.E., and J.M. Schwarz, 1989. "Site A Interim Response Action, 90-Day Performance Report, Twin Cities Army Ammunition Plant." Final Report, May 28, 1989.

United States Environmental Protection Agency, 1987. "Record of Decision (ROD) for Gradient Control System for TCAAP." September 25, 1987.

United States Environmental Protection Agency Region V and Minnesota Pollution Control Agency, 1987. "Federal Facility Agreement under CERCLA Section 120." Final Document, December 31, 1987.

United States Geologic Survey, 1967. "New Brighton Quadrangle, Minnesota, 7.5-Minute Series (Topographic)." Map, 1967, photo revised 1972 and 1980.

Walker, L.D., 1988. "Installation Restoration Program, Twin Cities Army Ammunition Plant, Record of Decision on Removal Action, Shoreview/Site A, Groundwater Removal and Treatment." Final Document, July 29, 1988.

Wenck Associates, Inc., 1990. "Installation Restoration Program, Twin Cities Army Ammunition Plant, 1989 Annual Monitoring Report, 3 Volumes." Final Report, May 1990.

Wenck Associates, Inc., 1990. "Installation Restoration Program, Twin Cities Army Ammunition Plant, 1990 Annual Monitoring Plan, 3 Volumes." Final Report, April 1990.

Wenck Associates, Inc., 1991. "Installation Restoration Program, Twin Cities Army Ammunition Plant, 1991 Annual Monitoring Plan." Final Report, April 1991.

Wenck Associates, Inc., 1991. "Installation Restoration Program, Twin Cities Army Ammunition Plant, Fiscal Year 1990 Annual Monitoring Report, 3 Volumes." Final Report, July 1991.

Whitman, D.S., 1986. "Installation Restoration Program, Twin Cities Army Ammunition Plant, Bedrock Valley/Monitor Well Installation Survey, Volume II: Geotechnical Report." Final Report, December 1986.

TABLES

Tables

Table 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 USATHAMA IRDMIS.

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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01L811	908.0	14-Dec-87	16 F	894.8
01L811	908.0	27-Jan-88	17 F	894.2
01L811	908.0	30-Aug-88	19 F	893.5
01L811	908.0	22-Nov-88	20 F	893.1
01L811	908.0	06-Aug-89	23 F	893.7
01L811	908.0	03-Nov-89	24 F	893.2
01L811	908.0	05-May-90	26 F	893.7
01L811	908.0	01-Apr-91	30 F	893.6
01L811	908.0	17-Mar-92	34 F	896.5
01L813	817.7	14-Dec-87	16 F	815.4
01L813	817.7	27-Jan-88	17 F	815.1
01L813	817.7	13-Apr-88	18 F	815.7
01L813	817.7	30-Aug-88	19 F	813.6
01L813	817.7	22-Nov-88	20 F	814.5
01L813	817.7	06-Aug-89	23 F	811.9
01L813	817.7	03-Nov-89	24 F	814.3
01L813	817.7	03-May-90	26 F	814.4
01L813	817.7	01-Apr-91	30 F	816.1
01L813	817.7	20-Mar-92	34 F	816.7
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	877.4	14-Dec-87	16 F	871.7
01L821	877.4	26-Jan-88	17 F	871.4
01L821	877.4	13-Apr-88	18 F	872.0
01L821	877.4	30-Aug-88	19 F	870.3
01L821	877.4	22-Nov-88	20 F	868.4
01L821	877.4	03-Nov-89	24 F	870.7
01L821	877.4	03-May-90	26 F	870.4
01L821	877.4	01-Apr-91	30 F	872.4
01L821	877.4	16-Mar-92	34 F	873.3
01L822	875.9	14-Dec-87	16 F	867.9
01L822	875.9	26-Jan-88	17 F	867.5
01L822	875.9	13-Apr-88	18 F	868.2
01L822	875.9	30-Aug-88	19 F	866.5
01L822	875.9	22-Nov-88	20 F	867.7
01L822	875.9	03-Nov-89	24 F	867.0
01L822	875.9	03-May-90	26 F	865.7
01L822	875.9	01-Apr-91	30 F	868.9
01L822	875.9	19-Mar-92	34 F	869.8
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
01U003	943.0	14-Dec-87	16 F	933.8
01U003	943.0	26-Jan-88	17 F	933.7
01U003	943.0	14-Apr-88	18 F	935.9
01U003	943.0	27-Apr-89	22 F	930.2
01U003	943.0	05-Aug-89	23 F	930.8
01U003	943.0	01-Apr-91	30 F	936.1
01U003	943.0	17-Mar-92	34 F	938.2
01U004	951.0	14-Dec-87	16 F	940.7
01U004	951.0	27-Jan-88	17 F	939.2
01U004	951.0	14-Apr-88	18 F	941.8
01U004	951.0	30-Aug-88	19 F	940.1
01U004	951.0	22-Nov-88	20 F	940.7
01U004	951.0	27-Apr-89	22 F	937.9
01U004	951.0	05-Aug-89	23 F	942.2
01U004	951.0	03-Nov-89	24 F	938.7
01U011	899.9	14-Dec-87	16 F	892.0
01U011	899.9	26-Jan-88	17 F	891.1
01U011	899.9	13-Apr-88	18 F	892.0
01U011	899.9	30-Aug-88	19 F	890.2
01U011	899.9	22-Nov-88	20 F	890.1
01U011	899.9	05-Aug-89	23 F	890.5
01U011	899.9	04-Nov-89	24 F	889.7
01U011	899.9	27-Apr-90	26 F	889.4
01U011	899.9	01-Apr-91	30 F	892.7
01U011	899.9	09-Mar-92	34 F	896.2
01U012	880.3	14-Dec-87	16 F	875.2
01U012	880.3	27-Jan-88	17 F	875.0
01U012	880.3	13-Apr-88	18 F	875.4
01U012	880.3	30-Aug-88	19 F	874.5
01U012	880.3	22-Nov-88	20 F	874.8
01U012	880.3	05-Aug-89	23 F	875.0
01U012	880.3	02-Nov-89	24 F	874.6
01U012	880.3	27-Apr-90	26 F	875.6
01U012	880.3	01-Apr-91	30 F	876.7
01U012	880.3	16-Mar-92	34 F	878.1
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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
01U033	887.5	14-Dec-87	16 F	885.3
01U033	887.5	26-Jan-88	17 F	885.7
01U033	887.5	13-Apr-88	18 F	885.4
01U033	887.5	30-Aug-88	19 F	883.4
01U033	887.5	22-Nov-88	20 F	884.8
01U033	887.5	05-Aug-89	23 F	884.2
01U033	887.5	02-Nov-89	24 F	884.1
01U033	887.5	27-Apr-90	26 F	885.9
01U033	887.5	01-Apr-91	30 F	886.5
01U033	887.5	24-Mar-92	34 F	886.4
01U034	900.5	14-Dec-87	16 F	896.2
01U034	900.5	26-Jan-88	17 F	894.7
01U034	900.5	30-Aug-88	19 F	894.3
01U034	900.5	22-Nov-88	20 F	894.2
01U034	900.5	05-Aug-89	23 F	894.2
01U034	900.5	02-Nov-89	24 F	893.0
01U034	900.5	27-Apr-90	26 F	893.4
01U034	900.5	01-Apr-91	30 F	896.5
01U034	900.5	09-Mar-92	34 F	898.7
01U035	899.5	14-Dec-87	16 F	895.3
01U035	899.5	26-Jan-88	17 F	894.1
01U035	899.5	13-Apr-88	18 F	894.5
01U035	899.5	30-Aug-88	19 F	893.3
01U035	899.5	22-Nov-88	20 F	892.8
01U035	899.5	05-Aug-89	23 F	893.1
01U035	899.5	02-Nov-89	24 F	892.1
01U035	899.5	27-Apr-90	26 F	892.5
01U035	899.5	01-Apr-91	30 F	895.0

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U035	899.5	09-Mar-92	34 F	898.4
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	897.1
01U036	901.0	18-Jun-91	31 F	897.3
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
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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
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
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

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	885.8
01U039	897.5	18-Jun-91	31 F	885.9
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
01U040	892.9	14-Dec-87	16 F	882.9
01U040	892.9	27-Jan-88	17 F	882.1
01U040	892.9	30-Aug-88	19 F	881.2
01U040	892.9	22-Nov-88	20 F	880.5
01U040	892.9	24-Apr-89	22 F	879.1
01U040	892.9	05-Aug-89	23 F	881.7
01U040	892.9	02-Nov-89	24 F	880.7
01U040	892.9	23-Jan-90	25 F	879.9
01U040	892.9	20-Feb-90	25 F	879.7
01U040	892.9	20-Mar-90	25 F	880.0
01U040	892.9	16-Apr-90	26 F	880.0
01U040	892.9	22-May-90	26 F	881.3
01U040	892.9	19-Jun-90	26 F	882.9
01U040	892.9	17-Jul-90	27 F	883.5
01U040	892.9	21-Aug-90	27 F	883.6
01U040	892.9	18-Sep-90	28 F	884.1
01U040	892.9	02-Nov-90	29 F	883.2
01U040	892.9	18-Dec-90	29 F	865.6
01U040	892.9	19-Feb-91	30 F	881.6
01U040	892.9	19-Mar-91	30 F	881.9
01U040	892.9	16-Apr-91	31 F	883.1
01U040	892.9	18-Jun-91	31 F	886.1
01U040	892.9	18-Jun-91	31 F	886.1
01U040	892.9	30-Jul-91	32 F	885.3
01U040	892.9	19-Aug-91	32 F	886.9

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U040	892.9	22-Oct-91	33 F	885.9
01U040	892.9	21-Dec-91	33 F	886.0
01U040	892.9	18-Feb-92	34 F	885.3
01U040	892.9	13-Apr-92	35 F	885.9
01U040	892.9	16-Jun-92	35 F	885.7
01U040	892.9	21-Aug-92	36 F	884.8
01U041	898.4	14-Dec-87	16 F	891.1
01U041	898.4	27-Jan-88	17 F	890.6
01U041	898.4	13-Apr-88	18 F	891.9
01U041	898.4	30-Aug-88	19 F	888.9
01U041	898.4	22-Nov-88	20 F	888.8
01U041	898.4	24-Apr-89	22 F	889.6
01U041	898.4	05-Aug-89	23 F	889.8
01U041	898.4	02-Nov-89	24 F	889.1
01U041	898.4	23-Jan-90	25 F	Dry
01U041	898.4	20-Feb-90	25 F	Dry
01U041	898.4	20-Mar-90	25 F	892.0
01U041	898.4	16-Apr-90	26 F	890.7
01U041	898.4	22-May-90	26 F	892.3
01U041	898.4	19-Jun-90	26 F	892.5
01U041	898.4	17-Jul-90	27 F	891.7
01U041	898.4	21-Aug-90	27 F	891.7
01U041	898.4	18-Sep-90	28 F	892.2
01U041	898.4	02-Nov-90	29 F	891.2
01U041	898.4	18-Dec-90	29 F	888.2
01U041	898.4	19-Feb-91	30 F	890.5
01U041	898.4	19-Mar-91	30 F	895.1
01U041	898.4	16-Apr-91	31 F	893.3
01U041	898.4	18-Jun-91	31 F	893.5
01U041	898.4	18-Jun-91	31 F	893.5
01U041	898.4	30-Jul-91	32 F	894.6
01U041	898.4	19-Aug-91	32 F	890.9
01U041	898.4	22-Oct-91	33 F	893.3
01U041	898.4	21-Dec-91	33 F	893.8
01U041	898.4	18-Feb-92	34 F	893.5
01U041	898.4	04-Mar-92	34 F	893.7
01U041	898.4	13-Apr-92	35 F	893.6
01U041	898.4	16-Jun-92	35 F	892.2
01U041	898.4	21-Aug-92	36 F	891.7
01U043	890.8	14-Dec-87	16 F	882.8
01U043	890.8	27-Jan-88	17 F	882.2
01U043	890.8	14-Apr-88	18 F	884.1
01U043	890.8	30-Aug-88	19 F	881.0
01U043	890.8	22-Nov-88	20 F	881.6
01U043	890.8	05-Aug-89	23 F	882.3
01U043	890.8	02-Nov-89	24 F	881.3
01U043	890.8	27-Apr-90	26 F	883.0
01U043	890.8	01-Apr-91	30 F	886.1
01U043	890.8	16-Mar-92	34 F	886.4
01U044	892.4	14-Dec-87	16 F	878.4
01U044	892.4	27-Jan-88	17 F	878.0
01U044	892.4	13-Apr-88	18 F	878.2
01U044	892.4	30-Aug-88	19 F	880.7
01U044	892.4	22-Nov-88	20 F	877.3
01U044	892.4	05-Aug-89	23 F	877.5
01U044	892.4	02-Nov-89	24 F	877.6
01U044	892.4	27-Apr-90	26 F	877.1
01U044	892.4	01-Apr-91	30 F	878.4
01U044	892.4	16-Mar-92	34 F	881.2
01U045	886.5	14-Dec-87	16 F	880.3
01U045	886.5	26-Jan-88	17 F	880.3
01U045	886.5	13-Apr-88	18 F	881.3
01U045	886.5	30-Aug-88	19 F	879.4
01U045	886.5	22-Nov-88	20 F	880.0
01U045	886.5	05-Aug-89	23 F	879.5
01U045	886.5	02-Nov-89	24 F	879.4
01U045	886.5	27-Apr-90	26 F	881.8
01U045	886.5	13-Mar-91	30 F	881.9
01U045	886.5	16-Mar-92	34 F	882.3
01U046	881.9	14-Dec-87	16 F	879.6
01U046	881.9	26-Jan-88	17 F	879.6
01U046	881.9	13-Apr-88	18 F	879.7
01U046	881.9	30-Aug-88	19 F	878.9
01U046	881.9	22-Nov-88	20 F	879.5
01U046	881.9	05-Aug-89	23 F	878.9
01U046	881.9	02-Nov-89	24 F	879.2
01U046	881.9	27-Apr-90	26 F	879.8
01U046	881.9	01-Apr-91	30 F	880.2
01U046	881.9	16-Mar-92	34 F	880.1
01U047	880.0	14-Dec-87	16 F	875.3
01U047	880.0	27-Jan-88	17 F	875.0
01U047	880.0	13-Apr-88	18 F	875.9
01U047	880.0	30-Aug-88	19 F	874.3
01U047	880.0	22-Nov-88	20 F	874.8
01U047	880.0	27-Apr-89	22 F	870.0
01U047	880.0	05-Aug-89	23 F	874.7
01U047	880.0	02-Nov-89	24 F	874.4
01U047	880.0	06-Mar-91	30 A	875.3
01U047	880.0	04-Jun-91	31 A	877.7
01U047	880.0	03-Sep-91	32 A	876.2
01U047	880.0	02-Mar-92	34 A	876.4
01U047	880.0	01-Jun-92	35 A	876.0
01U047	880.0	09-Sep-92	36 A	875.2
01U048	885.0	14-Dec-87	16 F	875.2
01U048	885.0	27-Jan-88	17 F	874.9
01U048	885.0	13-Apr-88	18 F	877.5
01U048	885.0	30-Aug-88	19 F	874.7
01U048	885.0	22-Nov-88	20 F	874.9
01U048	885.0	27-Apr-89	22 F	873.3

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U048	885.0	05-Aug-89	23 F	875.3
01U048	885.0	02-Nov-89	24 F	874.8
01U048	885.0	06-Mar-91	30 A	875.0
01U048	885.0	04-Jun-91	31 A	877.8
01U048	885.0	03-Sep-91	32 A	876.3
01U048	885.0	02-Mar-92	34 A	876.4
01U048	885.0	01-Jun-92	35 A	876.2
01U048	885.0	09-Sep-92	36 A	875.4
01U050	893.0	14-Dec-87	16 F	885.6
01U050	893.0	27-Jan-88	17 F	885.3
01U050	893.0	13-Apr-88	18 F	887.1
01U050	893.0	30-Aug-88	19 F	885.8
01U050	893.0	22-Nov-88	20 F	887.0
01U050	893.0	05-Aug-89	23 F	888.9
01U050	893.0	02-Nov-89	24 F	886.5
01U050	893.0	27-Apr-90	26 F	886.2
01U050	893.0	01-Apr-91	30 F	889.0
01U050	893.0	16-Mar-92	34 F	890.1
01U051	901.4	14-Dec-87	16 F	889.2
01U051	901.4	27-Jan-88	17 F	888.8
01U051	901.4	13-Apr-88	18 F	889.0
01U051	901.4	30-Aug-88	19 F	888.9
01U051	901.4	22-Nov-88	20 F	889.2
01U051	901.4	05-Aug-89	23 F	889.6
01U051	901.4	02-Nov-89	24 F	888.7
01U051	901.4	27-Apr-90	26 F	888.0
01U051	901.4	01-Apr-91	30 F	889.4
01U051	901.4	16-Mar-92	34 F	891.9
01U052	887.0	14-Dec-87	16 F	876.2
01U052	887.0	27-Jan-88	17 F	876.0
01U052	887.0	13-Apr-88	18 F	877.1
01U052	887.0	30-Aug-88	19 F	875.7
01U052	887.0	22-Nov-88	20 F	876.0
01U052	887.0	27-Apr-89	22 F	874.6
01U052	887.0	03-Aug-89	23 F	876.8
01U052	887.0	02-Nov-89	24 F	875.8
01U052	887.0	06-Mar-91	30 A	876.0
01U052	887.0	04-Jun-91	31 A	878.9
01U052	887.0	03-Sep-91	32 A	877.8
01U052	887.0	02-Mar-92	34 A	877.8
01U052	887.0	01-Jun-92	35 A	877.5
01U052	887.0	09-Sep-92	36 A	876.5
01U053	915.0	14-Dec-87	16 F	906.9
01U053	915.0	27-Jan-88	17 F	905.8
01U053	915.0	13-Apr-88	18 F	907.0
01U053	915.0	30-Aug-88	19 F	906.6
01U053	915.0	22-Nov-88	20 F	906.9
01U053	915.0	04-Aug-89	23 F	906.9
01U053	915.0	02-Nov-89	24 F	906.4

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U053	915.0	27-Apr-90	26 F	907.5
01U053	915.0	01-Apr-91	30 F	909.8
01U053	915.0	17-Mar-92	34 F	909.1
01U054	943.0	14-Dec-87	16 F	934.2
01U054	943.0	27-Jan-88	17 F	932.1
01U054	943.0	13-Apr-88	18 F	935.2
01U054	943.0	30-Aug-88	19 F	932.6
01U054	943.0	22-Nov-88	20 F	934.6
01U054	943.0	27-Apr-89	22 F	932.1
01U054	943.0	06-Aug-89	23 F	934.4
01U054	943.0	02-Nov-89	24 F	931.3
01U054	943.0	27-Apr-90	26 F	935.6
01U054	943.0	01-Apr-91	30 F	936.6
01U054	943.0	17-Mar-92	34 F	935.5
01U060	949.2	14-Dec-87	16 F	935.5
01U060	949.2	27-Jan-88	17 F	935.4
01U060	949.2	13-Apr-88	18 F	935.8
01U060	949.2	30-Aug-88	19 F	934.7
01U060	949.2	22-Nov-88	20 F	934.7
01U060	949.2	06-Aug-89	23 F	935.6
01U060	949.2	02-Nov-89	24 F	934.8
01U060	949.2	26-Apr-90	26 F	935.6
01U060	949.2	25-Mar-91	30 F	935.4
01U060	949.2	11-Mar-92	34 F	937.8
01U062	912.0	14-Dec-87	16 F	906.3
01U062	912.0	27-Jan-88	17 F	905.3
01U062	912.0	13-Apr-88	18 F	906.5
01U062	912.0	30-Aug-88	19 F	904.9
01U062	912.0	22-Nov-88	20 F	906.0
01U062	912.0	09-May-89	22 F	904.7
01U062	912.0	06-Aug-89	23 F	906.8
01U062	912.0	02-Nov-89	24 F	905.1
01U062	912.0	27-Apr-90	26 F	906.5
01U062	912.0	01-Apr-91	30 F	906.9
01U062	912.0	16-Mar-92	34 F	907.3
01U063	892.8	14-Dec-87	16 F	881.9
01U063	892.8	27-Jan-88	17 F	880.7
01U063	892.8	13-Apr-88	18 F	882.5
01U063	892.8	30-Aug-88	19 F	879.9
01U063	892.8	22-Nov-88	20 F	879.3
01U063	892.8	06-Aug-89	23 F	880.7
01U063	892.8	02-Nov-89	24 F	879.6
01U063	892.8	27-Apr-90	26 F	880.0
01U063	892.8	01-Apr-91	30 F	882.6
01U063	892.8	04-Mar-92	34 F	885.2
01U064	961.0	14-Dec-87	16 F	946.8
01U064	961.0	27-Jan-88	17 F	946.6
01U064	961.0	14-Apr-88	18 F	946.6

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U064	961.0	30-Aug-88	19 F	946.4
01U064	961.0	22-Nov-88	20 F	946.1
01U064	961.0	12-May-89	22 F	943.9
01U064	961.0	06-Aug-89	23 F	945.9
01U064	961.0	02-Nov-89	24 F	945.2
01U064	961.0	22-Mar-90	30 A	943.2
01U064	961.0	11-Sep-90	32 A	944.1
01U064	961.0	16-Mar-92	34 A	944.5
01U064	961.0	08-Oct-92	36 A	941.8
01U065	884.0	14-Dec-87	16 F	874.9
01U065	884.0	27-Jan-88	17 F	874.6
01U065	884.0	14-Apr-88	18 F	875.2
01U065	884.0	30-Aug-88	19 F	874.4
01U065	884.0	22-Nov-88	20 F	874.4
01U065	884.0	28-Apr-89	22 F	873.4
01U065	884.0	06-Aug-89	23 F	875.2
01U065	884.0	02-Nov-89	24 F	874.4
01U065	884.0	06-Mar-91	30 A	874.9
01U065	884.0	04-Jun-91	31 A	876.7
01U065	884.0	03-Sep-91	32 A	875.9
01U065	884.0	02-Mar-92	34 A	875.7
01U065	884.0	01-Jun-92	35 A	875.6
01U065	884.0	09-Sep-92	36 A	875.1
01U067	897.3	14-Dec-87	16 F	892.8
01U067	897.3	28-Jan-88	17 F	891.9
01U067	897.3	13-Apr-88	18 F	893.6
01U067	897.3	30-Aug-88	19 F	890.2
01U067	897.3	22-Nov-88	20 F	889.5
01U067	897.3	24-Apr-89	22 F	889.4
01U067	897.3	05-Aug-89	23 F	890.5
01U067	897.3	02-Nov-89	24 F	889.5
01U067	897.3	23-Jan-90	25 F	888.9
01U067	897.3	20-Feb-90	25 F	888.7
01U067	897.3	20-Mar-90	25 F	891.1
01U067	897.3	16-Apr-90	26 F	890.8
01U067	897.3	22-May-90	26 F	891.8
01U067	897.3	19-Jun-90	26 F	892.4
01U067	897.3	17-Jul-90	27 F	891.6
01U067	897.3	21-Aug-90	27 F	891.7
01U067	897.3	18-Sep-90	28 F	892.1
01U067	897.3	02-Nov-90	29 F	891.5
01U067	897.3	18-Dec-90	29 F	891.4
01U067	897.3	19-Feb-91	30 F	890.8
01U067	897.3	19-Mar-91	30 F	892.1
01U067	897.3	16-Apr-91	31 F	895.8
01U067	897.3	18-Jun-91	31 F	893.7
01U067	897.3	18-Jun-91	31 F	893.7
01U067	897.3	30-Jul-91	32 F	896.1
01U067	897.3	19-Aug-91	32 F	893.0
01U067	897.3	22-Oct-91	33 F	893.6
01U067	897.3	21-Dec-91	33 F	895.2
01U067	897.3	18-Feb-92	34 F	894.6
01U067	897.3	04-Mar-92	34 F	896.5
01U067	897.3	13-Apr-92	35 F	895.5
01U067	897.3	16-Jun-92	35 F	892.9
01U067	897.3	21-Aug-92	36 F	892.0
01U072	908.7	14-Dec-87	16 F	902.3
01U072	908.7	27-Jan-88	17 F	900.7
01U072	908.7	13-Apr-88	18 F	904.2
01U072	908.7	30-Aug-88	19 F	897.5
01U072	908.7	22-Nov-88	20 F	897.8
01U072	908.7	05-Aug-89	23 F	899.1
01U072	908.7	02-Nov-89	24 F	896.0
01U072	908.7	03-May-90	26 F	896.5
01U072	908.7	01-Apr-91	30 F	901.5
01U072	908.7	13-Mar-92	34 F	903.4
01U085	888.7	14-Dec-87	16 F	882.4
01U085	888.7	26-Jan-88	17 F	882.9
01U085	888.7	13-Apr-88	18 F	883.4
01U085	888.7	30-Aug-88	19 F	880.2
01U085	888.7	22-Nov-88	20 F	880.6
01U085	888.7	05-Aug-89	23 F	880.7
01U085	888.7	02-Nov-89	24 F	879.7
01U085	888.7	18-Apr-90	26 F	881.6
01U085	888.7	13-Mar-91	30 F	882.8
01U085	888.7	16-Mar-92	34 F	885.1
01U098	955.0	14-Dec-87	16 F	937.1
01U098	955.0	26-Jan-88	17 F	936.2
01U098	955.0	13-Apr-88	18 F	941.7
01U098	955.0	30-Aug-88	19 F	935.5
01U098	955.0	22-Nov-88	20 F	933.5
01U098	955.0	05-Aug-89	23 F	938.9
01U098	955.0	02-Nov-89	24 F	934.5
01U098	955.0	26-Apr-90	26 F	941.7
01U098	955.0	25-Mar-91	30 F	942.0
01U098	955.0	11-Mar-92	34 F	943.3
01U100	905.7	14-Dec-87	16 F	899.1
01U100	905.7	27-Jan-88	17 F	898.1
01U100	905.7	13-Apr-88	18 F	901.1
01U100	905.7	27-Apr-90	26 F	899.4
01U100	905.7	01-Apr-91	30 F	903.1
01U100	905.7	09-Mar-92	34 F	904.0
01U101	907.2	14-Dec-87	16 F	898.0
01U101	907.2	27-Jan-88	17 F	897.4
01U101	907.2	13-Apr-88	18 F	899.1
01U101	907.2	30-Aug-88	19 F	893.7
01U101	907.2	22-Nov-88	20 F	893.5
01U101	907.2	24-Apr-89	22 F	895.0
01U101	907.2	05-Aug-89	23 F	894.2

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U101	907.2	02-Nov-89	24 F	892.5
01U101	907.2	23-Jan-90	25 F	891.8
01U101	907.2	20-Feb-90	25 F	891.4
01U101	907.2	20-Mar-90	25 F	891.6
01U101	907.2	16-Apr-90	26 F	892.5
01U101	907.2	26-Apr-90	26 F	893.7
01U101	907.2	22-May-90	26 F	896.5
01U101	907.2	19-Jun-90	26 F	900.4
01U101	907.2	17-Jul-90	27 F	898.1
01U101	907.2	21-Aug-90	26 F	898.2
01U101	907.2	18-Sep-90	28 F	900.0
01U101	907.2	02-Nov-90	29 F	897.5
01U101	907.2	18-Dec-90	29 F	897.3
01U101	907.2	19-Feb-91	30 F	896.9
01U101	907.2	19-Mar-91	30 F	898.2
01U101	907.2	16-Apr-91	31 F	901.5
01U101	907.2	18-Jun-91	31 F	899.8
01U101	907.2	18-Jun-91	31 F	899.8
01U101	907.2	19-Aug-91	32 F	896.0
01U101	907.2	22-Oct-91	33 F	898.8
01U101	907.2	21-Dec-91	33 F	899.9
01U101	907.2	18-Feb-92	34 F	899.5
01U101	907.2	09-Mar-92	34 F	901.3
01U101	907.2	13-Apr-92	35 F	900.1
01U101	907.2	16-Jun-92	35 F	899.1
01U101	907.2	21-Aug-92	36 F	897.5
01U102	905.5	14-Dec-87	16 F	890.3
01U102	905.5	26-Jan-88	17 F	889.8
01U102	905.5	13-Apr-88	18 F	888.9
01U102	905.5	30-Aug-88	19 F	888.5
01U102	905.5	22-Nov-88	20 F	887.7
01U102	905.5	24-Apr-89	22 F	885.2
01U102	905.5	05-Aug-89	23 F	888.2
01U102	905.5	02-Nov-89	24 F	887.4
01U102	905.5	23-Jan-90	25 F	886.7
01U102	905.5	20-Feb-90	25 F	886.5
01U102	905.5	20-Mar-90	25 F	886.6
01U102	905.5	16-Apr-90	26 F	886.5
01U102	905.5	22-May-90	26 F	886.6
01U102	905.5	19-Jun-90	26 F	887.7
01U102	905.5	17-Jul-90	27 F	888.9
01U102	905.5	21-Aug-90	27 F	889.0
01U102	905.5	18-Sep-90	28 F	890.6
01U102	905.5	02-Nov-90	29 F	889.8
01U102	905.5	18-Dec-90	29 F	889.4
01U102	905.5	19-Feb-91	30 F	888.6
01U102	905.5	19-Mar-91	30 F	888.6
01U102	905.5	16-Apr-91	31 F	889.1
01U102	905.5	05-Jun-91	31 F	892.9
01U102	905.5	18-Jun-91	31 F	893.2
01U102	905.5	18-Jun-91	31 F	893.3
01U102	905.5	30-Jul-91	32 F	892.5

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U102	905.5	19-Aug-91	32 F	892.4
01U102	905.5	03-Sep-91	32 F	892.1
01U102	905.5	22-Oct-91	33 F	893.6
01U102	905.5	21-Dec-91	33 F	893.7
01U102	905.5	18-Feb-92	34 F	892.7
01U102	905.5	09-Mar-92	34 F	893.2
01U102	905.5	13-Apr-92	35 F	893.7
01U102	905.5	01-Jun-92	35 F	893.9
01U102	905.5	16-Jun-92	35 F	893.5
01U102	905.5	21-Aug-92	36 F	892.3
01U102	905.5	01-Sep-92	36 F	892.1
01U103	904.5	14-Dec-87	16 F	890.8
01U103	904.5	26-Jan-88	17 F	890.2
01U103	904.5	13-Apr-88	18 F	890.1
01U103	904.5	30-Aug-88	19 F	889.1
01U103	904.5	22-Nov-88	20 F	887.6
01U103	904.5	24-Apr-89	22 F	885.6
01U103	904.5	05-Aug-89	23 F	888.2
01U103	904.5	02-Nov-89	24 F	887.4
01U103	904.5	23-Jan-90	25 F	886.9
01U103	904.5	20-Feb-90	25 F	886.7
01U103	904.5	20-Mar-90	25 F	887.1
01U103	904.5	16-Apr-90	26 F	886.9
01U103	904.5	22-May-90	26 F	887.2
01U103	904.5	19-Jun-90	26 F	888.5
01U103	904.5	17-Jul-90	27 F	889.7
01U103	904.5	21-Aug-90	27 F	889.7
01U103	904.5	18-Sep-90	28 F	890.8
01U103	904.5	02-Nov-90	29 F	890.1
01U103	904.5	18-Dec-90	29 F	889.6
01U103	904.5	19-Feb-91	30 F	888.9
01U103	904.5	19-Mar-91	30 F	889.0
01U103	904.5	16-Apr-91	31 F	890.1
01U103	904.5	18-Jun-91	31 F	893.5
01U103	904.5	18-Jun-91	31 F	893.6
01U103	904.5	30-Jul-91	32 F	892.6
01U103	904.5	19-Aug-91	32 F	892.5
01U103	904.5	22-Oct-91	33 F	893.6
01U103	904.5	21-Dec-91	33 F	893.8
01U103	904.5	18-Feb-92	34 F	892.9
01U103	904.5	05-Mar-92	34 F	893.4
01U103	904.5	13-Apr-92	35 F	893.9
01U103	904.5	16-Jun-92	35 F	893.1
01U103	904.5	21-Aug-92	36 F	892.2
01U104	899.6	14-Dec-87	16 F	892.8
01U104	899.6	26-Jan-88	17 F	892.2
01U104	899.6	13-Apr-88	18 F	892.9
01U104	899.6	30-Aug-88	19 F	890.5
01U104	899.6	22-Nov-88	20 F	890.0
01U104	899.6	24-Apr-89	22 F	888.5
01U104	899.6	05-Aug-89	23 F	890.2

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U104	899.6	02-Nov-89	24 F	889.5
01U104	899.6	23-Jan-90	25 F	889.0
01U104	899.6	20-Feb-90	25 F	887.4
01U104	899.6	20-Mar-90	25 F	889.4
01U104	899.6	16-Apr-90	26 F	891.4
01U104	899.6	22-May-90	26 F	890.0
01U104	899.6	19-Jun-90	26 F	891.3
01U104	899.6	17-Jul-90	27 F	891.7
01U104	899.6	21-Aug-90	27 F	891.8
01U104	899.6	18-Sep-90	28 F	892.6
01U104	899.6	02-Nov-90	29 F	892.0
01U104	899.6	18-Dec-90	29 F	891.6
01U104	899.6	19-Feb-91	30 F	890.9
01U104	899.6	19-Mar-91	30 F	891.5
01U104	899.6	16-Apr-91	31 F	893.7
01U104	899.6	18-Jun-91	31 F	895.0
01U104	899.6	18-Jun-91	31 F	895.1
01U104	899.6	30-Jul-91	32 F	895.8
01U104	899.6	19-Aug-91	32 F	893.6
01U104	899.6	22-Oct-91	33 F	895.2
01U104	899.6	21-Dec-91	33 F	896.1
01U104	899.6	18-Feb-92	34 F	895.1
01U104	899.6	06-Mar-92	34 F	897.1
01U104	899.6	13-Apr-92	35 F	896.3
01U104	899.6	16-Jun-92	35 F	894.3
01U104	899.6	21-Aug-92	36 F	893.1
01U105	901.9	14-Dec-87	16 F	894.3
01U105	901.9	26-Jan-88	17 F	893.7
01U105	901.9	13-Apr-88	18 F	893.7
01U105	901.9	30-Aug-88	19 F	892.1
01U105	901.9	22-Nov-88	20 F	891.6
01U105	901.9	24-Apr-89	22 F	889.7
01U105	901.9	05-Aug-89	23 F	892.0
01U105	901.9	02-Nov-89	24 F	891.1
01U105	901.9	23-Jan-90	25 F	890.5
01U105	901.9	20-Feb-90	25 F	891.6
01U105	901.9	20-Mar-90	25 F	890.8
01U105	901.9	16-Apr-90	26 F	890.9
01U105	901.9	22-May-90	26 F	891.7
01U105	901.9	19-Jun-90	26 F	893.7
01U105	901.9	17-Jul-90	27 F	893.8
01U105	901.9	21-Aug-90	27 F	893.8
01U105	901.9	18-Sep-90	28 F	894.6
01U105	901.9	02-Nov-90	29 F	893.1
01U105	901.9	18-Dec-90	29 F	891.7
01U105	901.9	19-Feb-91	30 F	891.0
01U105	901.9	19-Mar-91	30 F	892.9
01U105	901.9	16-Apr-91	31 F	895.0
01U105	901.9	18-Jun-91	31 F	896.2
01U105	901.9	18-Jun-91	31 F	896.9
01U105	901.9	30-Jul-91	32 F	896.9
01U105	901.9	19-Aug-91	32 F	894.9
01U105	901.9	22-Oct-91	33 F	896.8
01U105	901.9	21-Dec-91	33 F	897.7
01U105	901.9	18-Feb-92	34 F	896.6
01U105	901.9	06-Mar-92	34 F	898.5
01U105	901.9	13-Apr-92	35 F	897.8
01U105	901.9	16-Jun-92	35 F	896.0
01U105	901.9	21-Aug-92	36 F	894.8
01U106	897.1	14-Dec-87	16 F	890.7
01U106	897.1	26-Jan-88	17 F	889.9
01U106	897.1	13-Apr-88	18 F	889.4
01U106	897.1	30-Aug-88	19 F	888.9
01U106	897.1	22-Nov-88	20 F	887.9
01U106	897.1	24-Apr-89	22 F	885.9
01U106	897.1	05-Aug-89	23 F	888.4
01U106	897.1	02-Nov-89	24 F	887.6
01U106	897.1	23-Jan-90	25 F	886.9
01U106	897.1	20-Feb-90	25 F	886.6
01U106	897.1	20-Mar-90	25 F	888.2
01U106	897.1	16-Apr-90	26 F	887.1
01U106	897.1	22-May-90	26 F	887.2
01U106	897.1	19-Jun-90	26 F	888.4
01U106	897.1	17-Jul-90	27 F	889.5
01U106	897.1	21-Aug-90	27 F	889.5
01U106	897.1	18-Sep-90	28 F	890.5
01U106	897.1	02-Nov-90	29 F	890.2
01U106	897.1	18-Dec-90	29 F	889.8
01U106	897.1	19-Feb-91	30 F	889.3
01U106	897.1	19-Mar-91	30 F	889.5
01U106	897.1	16-Apr-91	31 F	890.7
01U106	897.1	18-Jun-91	31 F	893.6
01U106	897.1	18-Jun-91	31 F	893.8
01U106	897.1	30-Jul-91	32 F	892.8
01U106	897.1	19-Aug-91	32 F	892.6
01U106	897.1	22-Oct-91	33 F	893.6
01U106	897.1	21-Dec-91	33 F	894.1
01U106	897.1	18-Feb-92	34 F	893.0
01U106	897.1	05-Mar-92	34 F	894.2
01U106	897.1	13-Apr-92	35 F	894.1
01U106	897.1	16-Jun-92	35 F	893.2
01U106	897.1	21-Aug-92	36 F	892.2
01U107	899.8	14-Dec-87	16 F	891.3
01U107	899.8	26-Jan-88	17 F	890.7
01U107	899.8	13-Apr-88	18 F	890.9
01U107	899.8	30-Aug-88	19 F	889.6
01U107	899.8	22-Nov-88	20 F	888.7
01U107	899.8	24-Apr-89	22 F	887.5
01U107	899.8	05-Aug-89	23 F	889.5
01U107	899.8	02-Nov-89	24 F	888.3
01U107	899.8	23-Jan-90	25 F	887.6
01U107	899.8	20-Feb-90	25 F	887.7
01U107	899.8	20-Mar-90	25 F	887.9

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U107	899.8	16-Apr-90	26 F	887.7
01U107	899.8	26-Apr-90	26 F	887.6
01U107	899.8	22-May-90	26 F	887.9
01U107	899.8	19-Jun-90	26 F	889.1
01U107	899.8	17-Jul-90	27 F	890.3
01U107	899.8	21-Aug-90	27 F	890.4
01U107	899.8	18-Sep-90	28 F	892.1
01U107	899.8	02-Nov-90	29 F	890.9
01U107	899.8	18-Dec-90	29 F	890.4
01U107	899.8	19-Feb-91	30 F	889.9
01U107	899.8	19-Mar-91	30 F	889.9
01U107	899.8	16-Apr-91	31 F	891.7
01U107	899.8	18-Jun-91	31 F	894.6
01U107	899.8	18-Jun-91	31 F	894.7
01U107	899.8	30-Jul-91	32 F	893.8
01U107	899.8	19-Aug-91	32 F	893.3
01U107	899.8	22-Oct-91	33 F	894.4
01U107	899.8	21-Dec-91	33 F	895.1
01U107	899.8	18-Feb-92	34 F	893.9
01U107	899.8	04-Mar-92	34 F	895.1
01U107	899.8	13-Apr-92	35 F	895.1
01U107	899.8	16-Jun-92	35 F	894.0
01U107	899.8	21-Aug-92	36 F	892.9
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
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
01U109	903.4	14-Dec-87	16 F	894.2
01U109	903.4	26-Jan-88	17 F	893.2
01U109	903.4	13-Apr-88	18 F	895.4
01U109	903.4	30-Aug-88	19 F	891.1
01U109	903.4	22-Nov-88	20 F	891.2
01U109	903.4	05-Aug-89	23 F	891.4
01U109	903.4	23-Jan-90	25 F	Dry
01U109	903.4	20-Feb-90	25 F	Dry
01U109	903.4	20-Mar-90	25 F	891.3
01U109	903.4	16-Apr-90	26 F	891.1
01U109	903.4	22-May-90	26 F	892.3
01U109	903.4	19-Jun-90	26 F	900.5
01U109	903.4	17-Jul-90	27 F	893.0
01U109	903.4	21-Aug-90	27 F	893.0
01U109	903.4	18-Sep-90	28 F	895.5
01U109	903.4	02-Nov-90	29 F	899.3
01U109	903.4	18-Dec-90	29 F	892.7
01U109	903.4	19-Feb-91	30 F	891.9
01U109	903.4	19-Mar-91	30 F	893.3
01U109	903.4	16-Apr-91	31 F	895.9
01U109	903.4	18-Jun-91	31 F	895.4
01U109	903.4	18-Jun-91	31 F	895.6
01U109	903.4	30-Jul-91	32 F	897.1
01U109	903.4	19-Aug-91	32 F	894.3
01U109	903.4	22-Oct-91	33 F	895.5
01U109	903.4	21-Dec-91	33 F	896.4
01U109	903.4	18-Feb-92	34 F	896.1
01U109	903.4	04-Mar-92	34 F	896.8
01U109	903.4	13-Apr-92	35 F	896.2
01U109	903.4	16-Jun-92	35 F	895.0
01U109	903.4	21-Aug-92	36 F	893.2
01U110	897.6	14-Dec-87	16 F	894.2
01U110	897.6	26-Jan-88	17 F	893.2
01U110	897.6	13-Apr-88	18 F	892.4
01U110	897.6	30-Aug-88	19 F	891.2
01U110	897.6	22-Nov-88	20 F	891.4
01U110	897.6	24-Apr-89	22 F	890.2
01U110	897.6	06-Aug-89	23 F	891.5
01U110	897.6	02-Nov-89	24 F	890.4
01U110	897.6	23-Jan-90	25 F	890.0
01U110	897.6	20-Feb-90	25 F	889.8
01U110	897.6	20-Mar-90	25 F	891.0
01U110	897.6	16-Apr-90	26 F	890.8

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U110	897.6	22-May-90	26 F	892.3
01U110	897.6	19-Jun-90	26 F	887.8
01U110	897.6	17-Jul-90	27 F	893.4
01U110	897.6	21-Aug-90	27 F	893.4
01U110	897.6	18-Sep-90	28 F	893.8
01U110	897.6	02-Nov-90	29 F	887.0
01U110	897.6	18-Dec-90	29 F	893.1
01U110	897.6	19-Feb-91	30 F	892.2
01U110	897.6	19-Mar-91	30 F	893.2
01U110	897.6	16-Apr-91	31 F	896.2
01U110	897.6	18-Jun-91	31 F	896.0
01U110	897.6	18-Jun-91	31 F	896.1
01U110	897.6	30-Jul-91	32 F	897.2
01U110	897.6	19-Aug-91	32 F	894.9
01U110	897.6	22-Oct-91	33 F	895.8
01U110	897.6	21-Dec-91	33 F	896.6
01U110	897.6	18-Feb-92	34 F	896.3
01U110	897.6	04-Mar-92	34 F	896.8
01U110	897.6	13-Apr-92	35 F	896.4
01U110	897.6	16-Jun-92	35 F	895.5
01U110	897.6	21-Aug-92	36 F	893.6
01U115	900.6	14-Dec-87	16 F	888.1
01U115	900.6	26-Jan-88	17 F	887.6
01U115	900.6	13-Apr-88	18 F	886.9
01U115	900.6	30-Aug-88	19 F	886.4
01U115	900.6	22-Nov-88	20 F	885.7
01U115	900.6	24-Apr-89	22 F	883.6
01U115	900.6	05-Aug-89	23 F	886.6
01U115	900.6	02-Nov-89	24 F	885.7
01U115	900.6	23-Jan-90	25 F	884.9
01U115	900.6	20-Feb-90	25 F	884.6
01U115	900.6	20-Mar-90	25 F	884.5
01U115	900.6	16-Apr-90	26 F	884.5
01U115	900.6	22-May-90	26 F	884.7
01U115	900.6	19-Jun-90	26 F	885.7
01U115	900.6	17-Jul-90	27 F	886.7
01U115	900.6	21-Aug-90	27 F	886.8
01U115	900.6	18-Sep-90	28 F	888.2
01U115	900.6	02-Nov-90	29 F	887.9
01U115	900.6	18-Dec-90	29 F	887.5
01U115	900.6	19-Feb-91	30 F	886.9
01U115	900.6	19-Mar-91	30 F	886.5
01U115	900.6	16-Apr-91	31 F	886.7
01U115	900.6	05-Jun-91	31 F	889.5
01U115	900.6	18-Jun-91	31 F	890.1
01U115	900.6	18-Jun-91	31 F	890.1
01U115	900.6	30-Jul-91	32 F	890.3
01U115	900.6	19-Aug-91	32 F	890.2
01U115	900.6	03-Sep-91	32 F	889.8
01U115	900.6	22-Oct-91	33 F	891.2
01U115	900.6	21-Dec-91	33 F	891.1
01U115	900.6	18-Feb-92	34 F	890.4

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U115	900.6	09-Mar-92	34 F	890.5
01U115	900.6	13-Apr-92	35 F	891.0
01U115	900.6	01-Jun-92	35 F	891.5
01U115	900.6	16-Jun-92	35 F	891.2
01U115	900.6	21-Aug-92	36 F	890.3
01U115	900.6	01-Sep-92	36 F	890.1
01U116	903.0	14-Dec-87	16 F	888.4
01U116	903.0	26-Jan-88	17 F	887.8
01U116	903.0	14-Apr-88	18 F	887.2
01U116	903.0	30-Aug-88	19 F	886.7
01U116	903.0	22-Nov-88	20 F	886.1
01U116	903.0	24-Apr-89	22 F	886.0
01U116	903.0	05-Aug-89	23 F	886.8
01U116	903.0	02-Nov-89	24 F	885.8
01U116	903.0	23-Jan-90	25 F	885.2
01U116	903.0	20-Feb-90	25 F	884.9
01U116	903.0	20-Mar-90	25 F	884.8
01U116	903.0	16-Apr-90	26 F	884.8
01U116	903.0	22-May-90	26 F	885.0
01U116	903.0	19-Jun-90	26 F	886.0
01U116	903.0	17-Jul-90	27 F	887.0
01U116	903.0	21-Aug-90	27 F	887.1
01U116	903.0	18-Sep-90	28 F	888.5
01U116	903.0	02-Nov-90	29 F	888.1
01U116	903.0	18-Dec-90	29 F	887.7
01U116	903.0	19-Feb-91	30 F	887.1
01U116	903.0	19-Mar-91	30 F	886.7
01U116	903.0	16-Apr-91	31 F	887.1
01U116	903.0	18-Jun-91	31 F	890.4
01U116	903.0	18-Jun-91	31 F	890.4
01U116	903.0	30-Jul-91	32 F	890.5
01U116	903.0	19-Aug-91	32 F	890.4
01U116	903.0	22-Oct-91	33 F	891.4
01U116	903.0	21-Dec-91	33 F	891.4
01U116	903.0	18-Feb-92	34 F	890.6
01U116	903.0	06-Mar-92	34 F	890.6
01U116	903.0	13-Apr-92	35 F	891.2
01U116	903.0	16-Jun-92	35 F	891.4
01U116	903.0	21-Aug-92	36 F	890.4
01U117	903.2	14-Dec-87	16 F	888.9
01U117	903.2	26-Jan-88	17 F	888.8
01U117	903.2	13-Apr-88	18 F	887.7
01U117	903.2	30-Aug-88	19 F	887.3
01U117	903.2	22-Nov-88	20 F	886.7
01U117	903.2	24-Apr-89	22 F	884.7
01U117	903.2	05-Aug-89	23 F	887.3
01U117	903.2	02-Nov-89	24 F	886.5
01U117	903.2	23-Jan-90	25 F	885.6
01U117	903.2	20-Feb-90	25 F	885.4
01U117	903.2	20-Mar-90	25 F	885.3
01U117	903.2	16-Apr-90	26 F	885.3

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U117	903.2	27-Apr-90	26 F	885.3
01U117	903.2	22-May-90	26 F	885.6
01U117	903.2	19-Jun-90	26 F	886.6
01U117	903.2	17-Jul-90	27 F	887.6
01U117	903.2	21-Aug-90	27 F	887.7
01U117	903.2	18-Sep-90	28 F	889.1
01U117	903.2	02-Nov-90	29 F	888.6
01U117	903.2	18-Dec-90	29 F	888.2
01U117	903.2	19-Feb-91	30 F	887.4
01U117	903.2	19-Mar-91	30 F	887.2
01U117	903.2	16-Apr-91	31 F	887.7
01U117	903.2	18-Jun-91	31 F	891.1
01U117	903.2	18-Jun-91	31 F	891.1
01U117	903.2	30-Jul-91	32 F	891.0
01U117	903.2	19-Aug-91	32 F	890.9
01U117	903.2	22-Oct-91	33 F	891.9
01U117	903.2	21-Dec-91	33 F	892.0
01U117	903.2	18-Feb-92	34 F	891.2
01U117	903.2	09-Mar-92	34 F	891.4
01U117	903.2	13-Apr-92	35 F	891.9
01U117	903.2	16-Jun-92	35 F	891.9
01U117	903.2	21-Aug-92	36 F	890.9
01U118	902.2	14-Dec-87	16 F	889.6
01U118	902.2	27-Jan-88	17 F	889.0
01U118	902.2	13-Apr-88	18 F	887.3
01U118	902.2	30-Aug-88	19 F	887.3
01U118	902.2	22-Nov-88	20 F	887.1
01U118	902.2	24-Apr-89	22 F	884.6
01U118	902.2	05-Aug-89	23 F	887.8
01U118	902.2	02-Nov-89	24 F	886.9
01U118	902.2	23-Jan-90	25 F	886.1
01U118	902.2	20-Feb-90	25 F	885.9
01U118	902.2	20-Mar-90	25 F	885.7
01U118	902.2	16-Apr-90	26 F	885.6
01U118	902.2	27-Apr-90	26 F	885.6
01U118	902.2	22-May-90	26 F	885.6
01U118	902.2	19-Jun-90	26 F	886.6
01U118	902.2	17-Jul-90	27 F	888.0
01U118	902.2	21-Aug-90	27 F	888.0
01U118	902.2	18-Sep-90	28 F	889.1
01U118	902.2	02-Nov-90	29 F	889.4
01U118	902.2	18-Dec-90	29 F	888.9
01U118	902.2	19-Feb-91	30 F	888.2
01U118	902.2	19-Mar-91	30 F	887.9
01U118	902.2	16-Apr-91	31 F	888.4
01U118	902.2	18-Jun-91	31 F	893.0
01U118	902.2	18-Jun-91	31 F	893.0
01U118	902.2	30-Jul-91	32 F	891.2
01U118	902.2	19-Aug-91	32 F	891.8
01U118	902.2	22-Oct-91	33 F	893.2
01U118	902.2	21-Dec-91	33 F	893.4
01U118	902.2	18-Feb-92	34 F	892.3
01U118	902.2	04-Mar-92	34 F	892.2
01U118	902.2	13-Apr-92	35 F	893.4
01U118	902.2	16-Jun-92	35 F	892.0
01U118	902.2	21-Aug-92	36 F	891.6
01U119	898.5	14-Dec-87	16 F	892.3
01U119	898.5	27-Jan-88	17 F	891.7
01U119	898.5	13-Apr-88	18 F	892.3
01U119	898.5	30-Aug-88	19 F	890.1
01U119	898.5	22-Nov-88	20 F	889.4
01U119	898.5	24-Apr-89	22 F	888.3
01U119	898.5	05-Aug-89	23 F	889.8
01U119	898.5	02-Nov-89	24 F	888.9
01U119	898.5	23-Jan-90	25 F	888.4
01U119	898.5	20-Feb-90	25 F	888.2
01U119	898.5	20-Mar-90	25 F	888.8
01U119	898.5	16-Apr-90	26 F	888.7
01U119	898.5	27-Apr-90	26 F	888.7
01U119	898.5	22-May-90	26 F	889.3
01U119	898.5	19-Jun-90	26 F	890.8
01U119	898.5	17-Jul-90	27 F	891.2
01U119	898.5	21-Aug-90	27 F	891.3
01U119	898.5	18-Sep-90	28 F	892.2
01U119	898.5	02-Nov-90	29 F	891.5
01U119	898.5	18-Dec-90	29 F	891.1
01U119	898.5	19-Feb-91	30 F	890.4
01U119	898.5	19-Mar-91	30 F	890.9
01U119	898.5	16-Apr-91	31 F	893.1
01U119	898.5	18-Jun-91	31 F	894.8
01U119	898.5	18-Jun-91	31 F	894.8
01U119	898.5	30-Jul-91	32 F	895.3
01U119	898.5	19-Aug-91	32 F	893.5
01U119	898.5	22-Oct-91	33 F	894.7
01U119	898.5	21-Dec-91	33 F	895.6
01U119	898.5	18-Feb-92	34 F	894.5
01U119	898.5	06-Mar-92	34 F	896.3
01U119	898.5	13-Apr-92	35 F	895.7
01U119	898.5	16-Jun-92	35 F	894.1
01U119	898.5	21-Aug-92	36 F	893.0
01U120	902.3	14-Dec-87	16 F	890.1
01U120	902.3	26-Jan-88	17 F	889.4
01U120	902.3	13-Apr-88	18 F	888.6
01U120	902.3	30-Aug-88	19 F	888.4
01U120	902.3	22-Nov-88	20 F	887.6
01U120	902.3	24-Apr-89	22 F	885.7
01U120	902.3	05-Aug-89	23 F	888.1
01U120	902.3	02-Nov-89	24 F	887.3
01U120	902.3	23-Jan-90	25 F	886.6
01U120	902.3	20-Feb-90	25 F	886.3
01U120	902.3	20-Mar-90	25 F	886.4
01U120	902.3	16-Apr-90	26 F	886.5
01U120	902.3	27-Apr-90	26 F	886.5

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U120	902.3	22-May-90	26 F	886.9
01U120	902.3	19-Jun-90	26 F	888.1
01U120	902.3	17-Jul-90	27 F	889.1
01U120	902.3	21-Aug-90	27 F	889.1
01U120	902.3	18-Sep-90	28 F	890.3
01U120	902.3	02-Nov-90	29 F	889.5
01U120	902.3	18-Dec-90	29 F	889.2
01U120	902.3	19-Feb-91	30 F	889.5
01U120	902.3	19-Mar-91	30 F	888.4
01U120	902.3	16-Apr-91	31 F	889.2
01U120	902.3	18-Jun-91	31 F	892.4
01U120	902.3	18-Jun-91	31 F	892.5
01U120	902.3	30-Jul-91	32 F	891.9
01U120	902.3	19-Aug-91	32 F	891.7
01U120	902.3	22-Oct-91	33 F	892.6
01U120	902.3	21-Dec-91	33 F	892.9
01U120	902.3	18-Feb-92	34 F	892.1
01U120	902.3	06-Mar-92	34 F	892.5
01U120	902.3	13-Apr-92	35 F	892.9
01U120	902.3	16-Jun-92	35 F	892.5
01U120	902.3	21-Aug-92	36 F	891.6
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
01U125	901.0	14-Dec-87	16 F	888.4
01U125	901.0	26-Jan-88	17 F	887.8
01U125	901.0	13-Apr-88	18 F	887.1
01U125	901.0	30-Aug-88	19 F	886.7
01U125	901.0	22-Nov-88	20 F	886.1
01U125	901.0	24-Apr-89	22 F	884.0
01U125	901.0	05-Aug-89	23 F	887.2
01U125	901.0	02-Nov-89	24 F	886.2
01U125	901.0	23-Jan-90	25 F	885.2
01U125	901.0	20-Feb-90	25 F	884.9
01U125	901.0	20-Mar-90	25 F	884.7
01U125	901.0	16-Apr-90	26 F	884.6
01U125	901.0	01-May-90	26 F	884.5
01U125	901.0	22-May-90	26 F	884.7
01U125	901.0	19-Jun-90	26 F	885.8
01U125	901.0	17-Jul-90	27 F	884.9
01U125	901.0	21-Aug-90	27 F	884.9
01U125	901.0	18-Sep-90	28 F	888.5
01U125	901.0	02-Nov-90	29 F	888.1
01U125	901.0	18-Dec-90	29 F	887.7

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U125	901.0	19-Feb-91	30 F	888.1
01U125	901.0	19-Mar-91	30 F	886.7
01U125	901.0	16-Apr-91	31 F	886.7
01U125	901.0	18-Jun-91	31 F	890.5
01U125	901.0	18-Jun-91	31 F	891.1
01U125	901.0	30-Jul-91	32 F	890.5
01U125	901.0	19-Aug-91	32 F	890.6
01U125	901.0	22-Oct-91	33 F	891.7
01U125	901.0	21-Dec-91	33 F	891.6
01U125	901.0	18-Feb-92	34 F	890.8
01U125	901.0	05-Mar-92	34 F	890.6
01U125	901.0	13-Apr-92	35 F	891.4
01U125	901.0	16-Jun-92	35 F	891.7
01U125	901.0	21-Aug-92	36 F	890.7
01U126	903.4	14-Dec-87	16 F	889.3
01U126	903.4	26-Jan-88	17 F	888.7
01U126	903.4	13-Apr-88	18 F	887.7
01U126	903.4	30-Aug-88	19 F	887.6
01U126	903.4	22-Nov-88	20 F	887.1
01U126	903.4	24-Apr-89	22 F	884.6
01U126	903.4	05-Aug-89	23 F	887.6
01U126	903.4	02-Nov-89	24 F	886.7
01U126	903.4	23-Jan-90	25 F	886.1
01U126	903.4	20-Feb-90	25 F	886.0
01U126	903.4	20-Mar-90	25 F	886.0
01U126	903.4	16-Apr-90	26 F	885.9
01U126	903.4	01-May-90	26 F	885.9
01U126	903.4	22-May-90	26 F	886.2
01U126	903.4	19-Jun-90	26 F	887.2
01U126	903.4	17-Jul-90	27 F	888.4
01U126	903.4	21-Aug-90	27 F	888.4
01U126	903.4	18-Sep-90	28 F	889.8
01U126	903.4	02-Nov-90	29 F	889.0
01U126	903.4	18-Dec-90	29 F	888.7
01U126	903.4	19-Feb-91	30 F	888.1
01U126	903.4	19-Mar-91	30 F	887.8
01U126	903.4	16-Apr-91	31 F	888.4
01U126	903.4	18-Jun-91	31 F	892.0
01U126	903.4	18-Jun-91	31 F	892.0
01U126	903.4	30-Jul-91	32 F	891.8
01U126	903.4	19-Aug-91	32 F	891.6
01U126	903.4	22-Oct-91	33 F	892.6
01U126	903.4	21-Dec-91	33 F	892.6
01U126	903.4	18-Feb-92	34 F	891.8
01U126	903.4	09-Mar-92	34 F	892.2
01U126	903.4	13-Apr-92	35 F	892.7
01U126	903.4	16-Jun-92	35 F	892.6
01U126	903.4	21-Aug-92	36 F	891.4
01U127	903.1	14-Dec-87	16 F	890.2
01U127	903.1	26-Jan-88	17 F	889.7
01U127	903.1	13-Apr-88	18 F	889.0

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U127	903.1	30-Aug-88	19 F	888.7
01U127	903.1	22-Nov-88	20 F	887.6
01U127	903.1	24-Apr-89	22 F	885.4
01U127	903.1	05-Aug-89	23 F	888.1
01U127	903.1	02-Nov-89	24 F	887.4
01U127	903.1	23-Jan-90	25 F	886.8
01U127	903.1	20-Feb-90	25 F	886.5
01U127	903.1	20-Mar-90	25 F	886.6
01U127	903.1	16-Apr-90	26 F	886.6
01U127	903.1	01-May-90	26 F	886.6
01U127	903.1	22-May-90	26 F	887.0
01U127	903.1	19-Jun-90	26 F	888.1
01U127	903.1	17-Jul-90	27 F	889.4
01U127	903.1	21-Aug-90	27 F	889.5
01U127	903.1	18-Sep-90	28 F	890.5
01U127	903.1	02-Nov-90	29 F	889.7
01U127	903.1	18-Dec-90	29 F	887.2
01U127	903.1	19-Feb-91	30 F	886.7
01U127	903.1	19-Mar-91	30 F	888.6
01U127	903.1	16-Apr-91	31 F	889.3
01U127	903.1	18-Jun-91	31 F	893.0
01U127	903.1	18-Jun-91	31 F	893.1
01U127	903.1	30-Jul-91	32 F	892.1
01U127	903.1	19-Aug-91	32 F	892.0
01U127	903.1	22-Oct-91	33 F	893.1
01U127	903.1	21-Dec-91	33 F	893.3
01U127	903.1	18-Feb-92	34 F	892.4
01U127	903.1	05-Mar-92	34 F	892.6
01U127	903.1	13-Apr-92	35 F	893.4
01U127	903.1	16-Jun-92	35 F	892.9
01U127	903.1	21-Aug-92	36 F	892.0
01U128	880.9	14-Dec-87	16 F	873.2
01U128	880.9	27-Jan-88	17 F	872.7
01U128	880.9	13-Apr-88	18 F	874.0
01U128	880.9	30-Aug-88	19 F	872.3
01U128	880.9	22-Nov-88	20 F	873.0
01U128	880.9	03-Aug-89	23 F	873.1
01U128	880.9	02-Nov-89	24 F	872.5
01U128	883.3	06-Mar-91	30 F	872.4
01U128	883.3	04-Jun-91	31 F	876.0
01U128	883.3	03-Sep-91	32 F	873.8
01U128	883.3	02-Mar-92	34 A	876.9
01U128	883.3	01-Jun-92	35 A	876.5
01U128	883.3	09-Sep-92	36 A	875.4
01U130	889.1	14-Dec-87	16 F	880.7
01U130	889.1	27-Jan-88	17 F	880.4
01U130	889.1	13-Apr-88	18 F	880.9
01U130	889.1	30-Aug-88	19 F	880.8
01U130	889.1	22-Nov-88	20 F	880.9
01U130	889.1	06-Aug-89	23 F	881.5
01U130	889.1	02-Nov-89	24 F	880.6
01U130	889.1	01-Apr-91	30 F	881.7
01U130	889.1	16-Mar-92	34 F	882.0
01U133	900.8	14-Dec-87	16 F	891.2
01U133	900.8	26-Jan-88	17 F	890.8
01U133	900.8	13-Apr-88	18 F	891.0
01U133	900.8	30-Aug-88	19 F	889.5
01U133	900.8	22-Nov-88	20 F	887.7
01U133	900.8	24-Apr-89	22 F	886.7
01U133	900.8	02-Nov-89	24 F	888.4
01U133	900.8	23-Jan-90	25 F	887.7
01U133	900.8	20-Feb-90	25 F	887.5
01U133	900.8	20-Mar-90	25 F	887.8
01U133	900.8	16-Apr-90	26 F	887.8
01U133	900.8	26-Apr-90	26 F	887.9
01U133	900.8	22-May-90	26 F	888.3
01U133	900.8	19-Jun-90	26 F	889.6
01U133	900.8	17-Jul-90	27 F	890.5
01U133	900.8	21-Aug-90	27 F	890.5
01U133	900.8	18-Sep-90	28 F	891.4
01U133	900.8	02-Nov-90	29 F	890.8
01U133	900.8	18-Dec-90	29 F	884.9
01U133	900.8	19-Feb-91	30 F	884.3
01U133	900.8	19-Mar-91	30 F	889.8
01U133	900.8	16-Apr-91	31 F	891.1
01U133	900.8	18-Jun-91	31 F	894.1
01U133	900.8	18-Jun-91	31 F	894.1
01U133	900.8	30-Jul-91	32 F	893.8
01U133	900.8	19-Aug-91	32 F	892.7
01U133	900.8	22-Oct-91	33 F	894.0
01U133	900.8	21-Dec-91	33 F	894.6
01U133	900.8	18-Feb-92	34 F	893.5
01U133	900.8	04-Mar-92	34 F	894.2
01U133	900.8	13-Apr-92	35 F	894.7
01U133	900.8	16-Jun-92	35 F	893.4
01U133	900.8	21-Aug-92	36 F	892.4
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
01U136	899.0	22-Nov-88	20 F	877.9
01U136	899.0	25-Apr-89	22 F	875.9
01U136	899.0	05-Aug-89	23 F	878.5
01U136	899.0	02-Nov-89	24 F	878.0
01U136	899.0	20-Apr-90	26 F	877.9

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U136	899.0	13-Mar-91	30 F	878.6
01U136	899.0	05-Mar-92	34 F	881.2
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
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
01U139	901.4	29-Jul-91	32 F	889.5
01U139	901.4	06-Mar-92	34 F	889.4
01U139	901.4	13-Apr-92	35 F	890.1
01U139	901.4	16-Jun-92	35 F	890.4
01U139	901.4	21-Aug-92	36 F	889.5
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
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
01U350	903.7	22-Nov-88	20 F	879.3
01U350	903.7	24-Apr-89	22 F	878.5
01U350	903.7	05-Aug-89	23 F	880.8
01U350	903.7	02-Nov-89	24 F	878.2
01U350	903.7	23-Jan-90	25 F	877.7
01U350	903.7	20-Feb-90	25 F	879.1
01U350	903.7	20-Mar-90	25 F	876.8
01U350	903.7	16-Apr-90	26 F	877.6
01U350	903.7	03-May-90	26 F	877.6
01U350	903.7	22-May-90	26 F	880.5
01U350	903.7	19-Jun-90	26 F	882.6
01U350	903.7	17-Jul-90	27 F	886.0
01U350	903.7	21-Aug-90	27 F	886.1
01U350	903.7	18-Sep-90	28 F	886.1
01U350	903.7	02-Nov-90	29 F	886.1
01U350	903.7	18-Dec-90	29 F	885.9
01U350	903.7	19-Feb-91	30 F	885.5
01U350	903.7	19-Mar-91	30 F	886.9
01U350	903.7	16-Apr-91	31 F	886.2
01U350	903.7	04-Jun-91	31 F	891.0
01U350	903.7	18-Jun-91	31 F	889.9
01U350	903.7	18-Jun-91	31 F	890.0
01U350	903.7	30-Jul-91	32 F	884.8
01U350	903.7	19-Aug-91	32 F	888.5
01U350	903.7	03-Sep-91	32 F	889.7
01U350	903.7	22-Oct-91	33 F	889.6
01U350	903.7	21-Dec-91	33 F	888.7
01U350	903.7	18-Feb-92	34 F	886.3
01U350	903.7	13-Apr-92	35 F	889.3
01U350	903.7	16-Jun-92	35 F	887.1
01U350	903.7	21-Aug-92	36 F	887.3
01U350	903.7	01-Sep-92	36 F	891.5
01U524	909.8	14-Dec-87	16 F	906.8
01U524	909.8	27-Jan-88	17 F	904.9
01U524	909.8	13-Apr-88	18 F	906.8
01U524	909.8	30-Aug-88	19 F	904.8
01U524	909.8	22-Nov-88	20 F	906.0
01U524	909.8	05-Aug-89	23 F	904.7
01U524	909.8	02-Nov-89	24 F	905.1
01U524	909.8	30-Apr-90	26 F	907.7
01U524	909.8	01-Apr-91	30 F	907.3
01U524	909.8	16-Mar-92	34 F	907.4
01U525	941.0	14-Dec-87	16 F	932.4
01U525	941.0	13-Apr-88	18 F	935.4
01U525	941.0	30-Aug-88	19 F	932.7
01U525	941.0	23-Nov-88	20 F	933.0
01U525	941.0	27-Apr-89	22 F	931.2
01U525	941.0	30-Apr-90	26 F	936.4
01U525	941.0	01-Apr-91	30 F	936.3
01U525	941.0	16-Mar-92	34 F	935.8
01U526	939.0	15-Dec-87	16 F	929.8
01U526	939.0	27-Jan-88	17 F	928.9
01U526	939.0	13-Apr-88	18 F	930.2
01U526	939.0	30-Aug-88	19 F	929.1
01U526	939.0	23-Nov-88	20 F	929.4
01U526	939.0	09-May-89	22 F	928.7
01U526	939.0	05-Aug-89	23 F	929.8
01U526	939.0	02-Nov-89	24 F	929.0
01U526	939.0	20-Apr-90	26 F	930.0
01U526	939.0	13-Mar-91	30 F	929.4
01U526	939.0	17-Mar-92	34 F	931.3
01U527	912.1	14-Dec-87	16 F	908.9
01U527	912.1	27-Jan-88	17 F	905.8
01U527	912.1	13-Apr-88	18 F	908.2
01U527	912.1	30-Aug-88	19 F	907.9
01U527	912.1	23-Nov-88	20 F	908.9
01U527	912.1	05-Aug-89	23 F	908.3
01U527	912.1	02-Nov-89	24 F	908.2
01U527	912.1	03-May-90	26 F	909.5

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U527	912.1	01-Apr-91	30 F	909.0
01U527	912.1	16-Mar-92	34 F	909.2
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
01U602	890.0	04-Aug-89	23 F	879.8
01U602	890.0	06-Mar-91	30 A	883.5
01U602	890.0	04-Jun-91	31 A	884.1
01U602	890.0	03-Sep-91	32 A	883.6
01U602	890.0	02-Mar-92	34 A	884.3
01U602	890.0	01-Jun-92	35 A	884.1
01U602	890.0	09-Sep-92	36 A	884.1
01U603	885.0	15-Dec-87	16 F	876.8
01U603	885.0	27-Jan-88	17 F	875.9
01U603	885.0	14-Apr-88	18 F	875.1
01U603	885.0	30-Aug-88	19 F	875.3
01U603	885.0	06-Dec-88	20 A	876.1
01U603	885.0	29-Mar-89	21 A	875.9
01U603	885.0	07-Jun-89	22 A	877.4
01U603	885.0	04-Aug-89	23 F	876.9
01U603	885.0	08-Sep-89	23 A	878.2
01U603	885.0	03-Nov-89	24 F	875.9
01U603	885.0	03-Jan-90	25 A	876.4
01U603	885.0	07-May-90	26 A	877.6
01U603	885.0	03-Jul-90	27 A	878.6
01U603	885.0	02-Oct-90	29 A	877.9
01U603	885.0	06-Mar-91	30 A	876.4
01U603	885.0	04-Jun-91	31 A	879.1
01U603	885.0	03-Sep-91	32 A	877.5
01U603	885.0	02-Mar-92	34 A	876.9
01U603	885.0	01-Jun-92	35 A	876.9
01U603	885.0	09-Sep-92	36 A	877.4

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U604	885.6	15-Dec-87	16 F	877.6
01U604	885.6	27-Jan-88	17 F	875.8
01U604	885.6	14-Apr-88	18 F	875.1
01U604	885.6	30-Aug-88	19 F	875.4
01U604	885.6	06-Dec-88	20 A	875.2
01U604	885.6	29-Mar-89	21 A	874.5
01U604	885.6	07-Jun-89	22 A	876.1
01U604	885.6	04-Aug-89	23 F	876.8
01U604	885.6	08-Sep-89	23 A	877.1
01U604	885.6	03-Nov-89	24 F	877.3
01U604	885.6	03-Jan-90	25 A	876.2
01U604	885.6	07-May-90	26 A	876.4
01U604	885.6	03-Jul-90	27 A	877.3
01U604	885.6	02-Oct-90	29 A	877.0
01U604	885.6	06-Mar-91	30 A	876.3
01U604	885.6	04-Jun-91	31 A	878.0
01U604	885.6	03-Sep-91	32 A	876.5
01U604	885.6	02-Mar-92	34 A	876.9
01U604	885.6	01-Jun-92	35 A	877.1
01U604	885.6	09-Sep-92	36 A	876.9
01U605	885.0	15-Dec-87	16 F	876.2
01U605	885.0	14-Apr-88	18 F	876.7
01U605	885.0	30-Aug-88	19 F	876.3
01U605	885.0	06-Dec-88	20 A	876.0
01U605	885.0	29-Mar-89	21 A	Dry
01U605	885.0	07-Jun-89	22 A	877.5
01U605	885.0	04-Aug-89	23 F	877.3
01U605	885.0	08-Sep-89	23 A	877.0
01U605	885.0	03-Nov-89	24 F	876.0
01U605	885.0	03-Jan-90	25 A	Dry
01U605	885.0	07-May-90	26 A	876.5
01U605	885.0	03-Jul-90	27 A	878.6
01U605	885.0	02-Oct-90	29 A	877.7
01U605	885.0	06-Mar-91	30 A	DRY
01U605	885.0	04-Jun-91	31 A	879.1
01U605	885.0	03-Sep-91	32 A	877.8
01U605	885.0	02-Mar-92	34 A	878.0
01U605	885.0	01-Jun-92	35 A	878.2
01U605	885.0	09-Sep-92	36 A	877.8
01U607	888.6	15-Dec-87	16 F	884.3
01U607	888.6	14-Apr-88	18 F	885.2
01U607	888.6	30-Aug-88	19 F	884.6
01U607	888.6	22-Nov-88	20 F	885.5
01U607	888.6	06-Dec-88	20 A	885.2
01U607	888.6	29-Mar-89	21 A	887.0
01U607	888.6	07-Jun-89	22 A	884.7
01U607	888.6	04-Aug-89	23 F	885.8
01U607	888.6	08-Sep-89	23 A	885.9
01U607	888.6	03-Nov-89	24 F	883.5
01U607	888.6	03-Jan-90	25 A	882.3
01U607	888.6	07-May-90	26 A	885.3

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U607	888.6	03-Jul-90	27 A	885.3
01U607	888.6	02-Oct-90	29 A	884.1
01U607	888.6	06-Mar-91	30 A	883.6
01U607	888.6	04-Jun-91	31 A	886.3
01U607	888.6	03-Sep-91	32 A	884.8
01U607	888.6	02-Mar-92	34 A	886.3
01U607	888.6	01-Jun-92	35 A	884.3
01U607	888.6	09-Sep-92	36 A	883.7
01U608	889.8	06-Mar-91	30 A	883.3
01U608	889.8	04-Jun-91	31 A	884.2
01U608	889.8	03-Sep-91	32 A	883.5
01U608	889.8	02-Mar-92	34 A	884.0
01U608	889.8	01-Jun-92	35 A	883.8
01U608	889.8	09-Sep-92	36 A	883.7
01U609	889.9	15-Dec-87	16 F	882.9
01U609	889.9	27-Jan-88	17 F	882.7
01U609	889.9	14-Apr-88	18 F	883.1
01U609	889.9	30-Aug-88	19 F	883.0
01U609	889.9	22-Nov-88	20 F	883.0
01U609	889.9	06-Dec-88	20 A	883.0
01U609	889.9	29-Mar-89	21 A	882.7
01U609	889.9	07-Jun-89	22 A	883.2
01U609	889.9	04-Aug-89	23 F	879.6
01U609	889.9	08-Sep-89	23 A	883.2
01U609	889.9	03-Nov-89	24 F	878.6
01U609	889.9	03-Jan-90	25 A	882.4
01U609	889.9	03-Jul-90	27 A	883.4
01U609	889.9	02-Oct-90	29 A	883.4
01U609	889.9	06-Mar-91	30 A	882.5
01U609	889.9	04-Jun-91	31 A	883.9
01U609	889.9	03-Sep-91	32 A	883.6
01U609	889.9	02-Mar-92	34 A	883.9
01U609	889.9	01-Jun-92	35 A	883.8
01U609	889.9	09-Sep-92	36 A	883.7
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
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
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
01U615	889.5	15-Dec-87	16 F	881.4
01U615	889.5	27-Jan-88	17 F	878.3
01U615	889.5	14-Apr-88	18 F	878.0
01U615	889.5	30-Aug-88	19 F	878.3
01U615	889.5	22-Nov-88	20 F	878.2
01U615	889.5	06-Dec-88	20 A	874.5
01U615	889.5	29-Mar-89	21 A	874.3
01U615	889.5	07-Jun-89	22 A	875.0
01U615	889.5	04-Aug-89	23 F	879.5
01U615	889.5	08-Sep-89	23 A	876.6
01U615	889.5	03-Nov-89	24 F	879.1

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U615	889.5	03-Jan-90	25 A	874.6
01U615	889.5	07-May-90	26 A	874.8
01U615	889.5	03-Jul-90	27 A	876.2
01U615	889.5	02-Oct-90	29 A	876.6
01U615	889.5	06-Mar-91	30 A	874.7
01U615	889.5	04-Jun-91	31 A	877.5
01U615	889.5	03-Sep-91	32 A	876.0
01U615	889.5	02-Mar-92	34 A	879.9
01U615	889.5	01-Jun-92	35 A	880.1
01U615	889.5	09-Sep-92	36 A	879.5
01U616	888.5	15-Dec-87	16 F	880.2
01U616	888.5	27-Jan-88	17 F	879.3
01U616	888.5	14-Apr-88	18 F	878.5
01U616	888.5	30-Aug-88	19 F	879.2
01U616	888.5	22-Nov-88	20 F	878.6
01U616	888.5	06-Dec-88	20 A	878.7
01U616	888.5	29-Mar-89	21 A	876.7
01U616	888.5	07-Jun-89	22 A	878.2
01U616	888.5	04-Aug-89	23 F	880.4
01U616	888.5	08-Sep-89	23 A	879.2
01U616	888.5	03-Nov-89	24 F	879.3
01U616	888.5	03-Jan-90	25 A	878.6
01U616	888.5	07-May-90	26 A	878.8
01U616	888.5	03-Jul-90	27 A	880.5
01U616	888.5	02-Oct-90	29 A	881.1
01U616	888.5	06-Mar-91	30 A	878.5
01U616	888.5	04-Jun-91	31 A	881.6
01U616	888.5	03-Sep-91	32 A	880.4
01U616	888.5	02-Mar-92	34 A	880.5
01U616	888.5	01-Jun-92	35 A	880.8
01U616	888.5	09-Sep-92	36 A	880.3
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
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
01U618	888.8	15-Dec-87	16 F	878.8
01U618	888.8	27-Jan-88	17 F	877.6
01U618	888.8	14-Apr-88	18 F	877.2
01U618	888.8	30-Aug-88	19 F	877.9
01U618	888.8	22-Nov-88	20 F	877.3
01U618	888.8	06-Dec-88	20 A	877.3
01U618	888.8	29-Mar-89	21 A	877.1
01U618	888.8	07-Jun-89	22 A	878.6
01U618	888.8	04-Aug-89	23 F	879.2
01U618	888.8	08-Sep-89	23 A	879.7
01U618	888.8	03-Nov-89	24 F	877.9
01U618	888.8	03-Jan-90	25 A	877.1
01U618	888.8	07-May-90	26 A	877.4
01U618	888.8	03-Jul-90	27 A	879.4
01U618	888.8	02-Oct-90	29 A	879.7
01U618	888.8	06-Mar-91	30 A	877.0
01U618	888.8	04-Jun-91	31 A	880.8
01U618	888.8	03-Sep-91	32 A	880.9
01U618	888.8	02-Mar-92	34 A	880.8
01U618	888.8	01-Jun-92	35 A	881.1
01U618	888.8	09-Sep-92	36 A	880.6
01U619	888.2	15-Dec-87	16 F	881.1
01U619	888.2	27-Jan-88	17 F	880.8
01U619	888.2	14-Apr-88	18 F	881.4
01U619	888.2	30-Aug-88	19 F	881.7
01U619	888.2	23-Nov-88	20 F	881.5
01U619	888.2	06-Dec-88	20 A	881.5
01U619	888.2	29-Mar-89	21 A	881.5
01U619	888.2	07-Jun-89	22 A	882.2
01U619	888.2	04-Aug-89	23 F	881.8
01U619	888.2	08-Sep-89	23 A	882.1
01U619	888.2	03-Nov-89	24 F	881.1
01U619	888.2	03-Jan-90	25 A	880.4
01U619	888.2	07-May-90	26 A	881.1
01U619	888.2	03-Jul-90	27 A	882.3
01U619	888.2	02-Oct-90	29 A	882.1
01U619	888.2	06-Mar-91	30 A	880.5
01U619	888.2	04-Jun-91	31 A	883.6
01U619	888.2	03-Sep-91	32 A	882.0
01U619	888.2	02-Mar-92	34 A	882.4
01U619	888.2	01-Jun-92	35 A	882.0
01U619	888.2	09-Sep-92	36 A	881.9
01U620	887.3	15-Dec-87	16 F	878.3
01U620	887.3	27-Jan-88	17 F	876.4
01U620	887.3	14-Apr-88	18 F	876.0
01U620	887.3	30-Aug-88	19 F	876.6
01U620	887.3	06-Dec-88	20 A	876.2
01U620	887.3	29-Mar-89	21 A	875.8
01U620	887.3	07-Jun-89	22 A	877.3

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U620	887.3	04-Aug-89	23 F	878.0
01U620	887.3	08-Sep-89	23 A	878.6
01U620	887.3	03-Nov-89	24 F	877.0
01U620	887.3	03-Jan-90	25 A	876.1
01U620	887.3	07-May-90	26 A	876.3
01U620	887.3	03-Jul-90	27 A	878.2
01U620	887.3	02-Oct-90	29 A	878.6
01U620	887.3	06-Mar-91	30 A	876.0
01U620	887.3	04-Jun-91	31 A	879.6
01U620	887.3	03-Sep-91	32 A	876.1
01U620	887.3	02-Mar-92	34 A	876.0
01U620	887.3	01-Jun-92	35 A	876.3
01U620	887.3	09-Sep-92	36 A	875.8
01U621	884.6	15-Dec-87	16 F	877.9
01U621	884.6	27-Jan-88	17 F	876.1
01U621	884.6	14-Apr-88	18 F	875.9
01U621	884.6	30-Aug-88	19 F	876.2
01U621	884.6	23-Nov-88	20 F	876.0
01U621	884.6	06-Dec-88	20 A	876.0
01U621	884.6	29-Mar-89	21 A	875.4
01U621	884.6	07-Jun-89	22 A	877.0
01U621	884.6	04-Aug-89	23 F	877.5
01U621	884.6	08-Sep-89	23 A	877.0
01U621	884.6	03-Nov-89	24 F	876.7
01U621	884.6	03-Jan-90	25 A	875.8
01U621	884.6	07-May-90	26 A	846.4
01U621	884.6	03-Jul-90	27 A	878.2
01U621	884.6	02-Oct-90	29 A	878.2
01U621	884.6	06-Mar-91	30 A	876.0
01U621	884.6	04-Jun-91	31 A	879.3
01U621	884.6	03-Sep-91	32 A	877.8
01U621	884.6	02-Mar-92	34 A	877.5
01U621	884.6	01-Jun-92	35 A	877.9
01U621	884.6	09-Sep-92	36 A	877.4
01U622	889.8	06-Mar-91	30 A	DRY
01U622	889.8	04-Jun-91	31 A	882.6
01U622	889.8	03-Sep-91	32 A	882.6
01U622	889.8	02-Mar-92	34 A	880.6
01U622	889.8	01-Jun-92	35 A	DRY
01U622	889.8	09-Sep-92	36 A	DRY
01U623	889.8	15-Dec-87	16 F	877.7
01U623	889.8	27-Jan-88	17 F	877.6
01U623	889.8	14-Apr-88	18 F	876.1
01U623	889.8	30-Aug-88	19 F	876.3
01U623	889.8	23-Nov-88	20 F	876.3
01U623	889.8	06-Dec-88	20 A	875.8
01U623	889.8	29-Mar-89	21 A	875.6
01U623	889.8	07-Jun-89	22 A	876.3
01U623	889.8	08-Sep-89	23 A	877.0
01U623	889.8	03-Nov-89	24 F	879.7
01U623	889.8	03-Jan-90	25 A	876.0
01U623	889.8	07-May-90	26 A	875.9
01U623	889.8	03-Jul-90	27 A	876.7
01U623	889.8	02-Oct-90	29 A	877.6
01U623	889.8	06-Mar-91	30 A	875.9
01U623	889.8	04-Jun-91	31 A	876.9
01U623	889.8	03-Sep-91	32 A	877.2
01U623	889.8	02-Mar-92	34 A	878.4
01U623	889.8	01-Jun-92	35 A	878.6
01U623	889.8	09-Sep-92	36 A	878.0
01U624A	878.3	06-Dec-88	20 A	Dry
01U624A	878.3	29-Mar-89	21 A	Dry
01U624A	878.3	07-Jun-89	22 A	Dry
01U624A	878.3	08-Sep-89	23 A	878.3
01U624A	878.3	21-Nov-89	24 A	Dry
01U624A	878.3	03-Jan-90	25 A	Dry
01U624A	878.3	07-May-90	26 A	Dry
01U624A	878.3	03-Jul-90	27 A	877.8
01U624A	878.3	02-Oct-90	29 A	878.3
01U624A	878.3	06-Mar-91	30 A	DRY
01U624A	878.3	04-Jun-91	31 A	879.1
01U624A	878.3	03-Sep-91	32 A	877.6
01U624A	878.3	02-Mar-92	34 A	868.9
01U624A	878.3	01-Jun-92	35 A	869.2
01U624A	878.3	09-Sep-92	36 A	868.6
01U624B	878.3	28-Jan-88	17 F	867.8
01U624B	878.3	14-Apr-88	18 F	867.3
01U624B	878.3	30-Aug-88	19 F	867.9
01U624B	878.3	23-Nov-88	20 F	869.4
01U624B	878.3	06-Dec-88	20 A	875.9
01U624B	878.3	29-Mar-89	21 A	875.5
01U624B	878.3	07-Jun-89	22 A	876.8
01U624B	878.3	04-Aug-89	23 F	869.2
01U624B	878.3	08-Sep-89	23 A	878.2
01U624B	878.3	03-Nov-89	24 F	868.3
01U624B	878.3	21-Nov-89	24 A	876.5
01U624B	878.3	03-Jan-90	25 A	875.8
01U624B	878.3	07-May-90	26 A	876.0
01U624B	878.3	03-Jul-90	27 A	877.8
01U624B	878.3	02-Oct-90	29 A	878.2
01U624B	878.3	06-Mar-91	30 A	875.8
01U624B	878.3	04-Jun-91	31 A	879.1
01U624B	878.3	03-Sep-91	32 A	877.6
01U624B	878.3	02-Mar-92	34 A	868.9
01U624B	878.3	01-Jun-92	35 A	869.2
01U624B	878.3	09-Sep-92	36 A	868.6
01U624C	878.3	28-Jan-88	17 F	867.7
01U624C	878.3	14-Apr-88	18 F	867.3
01U624C	878.3	30-Aug-88	19 F	867.9
01U624C	878.3	23-Nov-88	20 F	868.9

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U624C	878.3	06-Dec-88	20 A	875.9
01U624C	878.3	29-Mar-89	21 A	875.5
01U624C	878.3	07-Jun-89	22 A	876.8
01U624C	878.3	04-Aug-89	23 F	869.2
01U624C	878.3	08-Sep-89	23 A	878.2
01U624C	878.3	03-Nov-89	24 F	868.3
01U624C	878.3	21-Nov-89	24 A	876.5
01U624C	878.3	03-Jan-90	25 A	875.8
01U624C	878.3	07-May-90	26 A	876.0
01U624C	878.3	03-Jul-90	27 A	877.8
01U624C	878.3	02-Oct-90	29 A	878.2
01U624C	878.3	06-Mar-91	30 A	875.8
01U624C	878.3	04-Jun-91	31 A	879.0
01U624C	878.3	03-Sep-91	32 A	877.6
01U624C	878.3	02-Mar-92	34 A	868.9
01U624C	878.3	01-Jun-92	35 A	869.2
01U624C	878.3	09-Sep-92	36 A	868.6
01U624D	878.3	28-Jan-88	17 F	867.8
01U624D	878.3	14-Apr-88	18 F	867.3
01U624D	878.3	30-Aug-88	19 F	867.9
01U624D	878.3	23-Nov-88	20 F	869.3
01U624D	878.3	06-Dec-88	20 A	875.9
01U624D	878.3	29-Mar-89	21 A	875.5
01U624D	878.3	07-Jun-89	22 A	876.9
01U624D	878.3	04-Aug-89	23 F	869.2
01U624D	878.3	08-Sep-89	23 A	878.2
01U624D	878.3	03-Nov-89	24 F	868.3
01U624D	878.3	21-Nov-89	24 A	876.5
01U624D	878.3	03-Jan-90	25 A	875.8
01U624D	878.3	07-May-90	26 A	876.1
01U624D	878.3	03-Jul-90	27 A	877.8
01U624D	878.3	02-Oct-90	29 A	878.2
01U624D	878.3	06-Mar-91	30 A	875.8
01U624D	878.3	04-Jun-91	31 A	879.0
01U624D	878.3	03-Sep-91	32 A	877.6
01U624D	878.3	02-Mar-92	34 A	868.9
01U624D	878.3	01-Jun-92	35 A	869.2
01U624D	878.3	09-Sep-92	36 A	868.6
01U625A	878.0	28-Jan-88	17 F	867.5
01U625A	878.0	14-Apr-88	18 F	867.3
01U625A	878.0	30-Aug-88	19 F	867.6
01U625A	878.0	23-Nov-88	20 F	869.0
01U625A	878.0	06-Dec-88	20 A	876.6
01U625A	878.0	29-Mar-89	21 A	875.5
01U625A	878.0	07-Jun-89	22 A	876.5
01U625A	878.0	04-Aug-89	23 F	868.9
01U625A	878.0	08-Sep-89	23 A	878.0
01U625A	878.0	03-Nov-89	24 F	868.4
01U625A	878.0	21-Nov-89	24 A	877.3
01U625A	878.0	03-Jan-90	25 A	876.7
01U625A	878.0	07-May-90	26 A	876.9
01U625A	878.0	03-Jul-90	27 A	878.4
01U625A	878.0	02-Oct-90	29 A	878.8
01U625A	878.0	06-Mar-91	30 A	876.7
01U625A	878.0	04-Jun-91	31 A	879.7
01U625A	878.0	03-Sep-91	32 A	878.2
01U625A	878.0	02-Mar-92	34 A	870.6
01U625A	878.0	01-Jun-92	35 A	870.9
01U625A	878.0	09-Sep-92	36 A	870.3
01U625B	878.0	28-Jan-88	17 F	867.4
01U625B	878.0	14-Apr-88	18 F	867.2
01U625B	878.0	30-Aug-88	19 F	867.6
01U625B	878.0	23-Nov-88	20 F	868.6
01U625B	878.0	06-Dec-88	20 A	876.6
01U625B	878.0	29-Mar-89	21 A	874.8
01U625B	878.0	07-Jun-89	22 A	875.7
01U625B	878.0	04-Aug-89	23 F	868.9
01U625B	878.0	08-Sep-89	23 A	877.3
01U625B	878.0	03-Nov-89	24 F	868.4
01U625B	878.0	21-Nov-89	24 A	877.3
01U625B	878.0	03-Jan-90	25 A	876.6
01U625B	878.0	07-May-90	26 A	876.8
01U625B	878.0	03-Jul-90	27 A	878.4
01U625B	878.0	02-Oct-90	29 A	878.8
01U625B	878.0	06-Mar-91	30 A	876.7
01U625B	878.0	04-Jun-91	31 A	879.7
01U625B	878.0	03-Sep-91	32 A	878.2
01U625B	878.0	02-Mar-92	34 A	870.7
01U625B	878.0	01-Jun-92	35 A	870.9
01U625B	878.0	09-Sep-92	36 A	870.2
01U625C	878.0	28-Jan-88	17 F	867.4
01U625C	878.0	14-Apr-88	18 F	867.3
01U625C	878.0	30-Aug-88	19 F	867.6
01U625C	878.0	23-Nov-88	20 F	868.6
01U625C	878.0	06-Dec-88	20 A	876.6
01U625C	878.0	29-Mar-89	21 A	874.7
01U625C	878.0	07-Jun-89	22 A	875.7
01U625C	878.0	04-Aug-89	23 F	868.9
01U625C	878.0	08-Sep-89	23 A	878.0
01U625C	878.0	03-Nov-89	24 F	868.4
01U625C	878.0	21-Nov-89	24 A	877.3
01U625C	878.0	03-Jan-90	25 A	876.6
01U625C	878.0	07-May-90	26 A	876.8
01U625C	878.0	03-Jul-90	27 A	878.4
01U625C	878.0	02-Oct-90	29 A	878.8
01U625C	878.0	06-Mar-91	30 A	876.7
01U625C	878.0	04-Jun-91	31 A	879.7
01U625C	878.0	03-Sep-91	32 A	878.2
01U625C	878.0	02-Mar-92	34 A	870.7
01U625C	878.0	01-Jun-92	35 A	870.9
01U625C	878.0	09-Sep-92	36 A	870.2

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U625D	878.0	28-Jan-88	17 F	867.4
01U625D	878.0	14-Apr-88	18 F	867.2
01U625D	878.0	30-Aug-88	19 F	867.6
01U625D	878.0	23-Nov-88	20 F	868.6
01U625D	878.0	06-Dec-88	20 A	876.6
01U625D	878.0	29-Mar-89	21 A	874.8
01U625D	878.0	07-Jun-89	22 A	875.7
01U625D	878.0	04-Aug-89	23 F	868.9
01U625D	878.0	08-Sep-89	23 A	877.3
01U625D	878.0	03-Nov-89	24 F	868.4
01U625D	878.0	21-Nov-89	24 A	877.3
01U625D	878.0	03-Jan-90	25 A	876.6
01U625D	878.0	07-May-90	26 A	876.8
01U625D	878.0	03-Jul-90	27 A	878.4
01U625D	878.0	02-Oct-90	29 A	878.8
01U625D	878.0	06-Mar-91	30 A	876.7
01U625D	878.0	04-Jun-91	31 A	879.7
01U625D	878.0	03-Sep-91	32 A	878.2
01U625D	878.0	02-Mar-92	34 A	870.7
01U625D	878.0	01-Jun-92	35 A	870.9
01U625D	878.0	09-Sep-92	36 A	870.2
01U626A	877.1	27-Jan-88	17 F	866.4
01U626A	877.1	14-Apr-88	18 F	865.9
01U626A	877.1	30-Aug-88	19 F	866.2
01U626A	877.1	23-Nov-88	20 F	867.5
01U626A	877.1	06-Dec-88	20 A	875.6
01U626A	877.1	29-Mar-89	21 A	874.2
01U626A	877.1	07-Jun-89	22 A	875.6
01U626A	877.1	04-Aug-89	23 F	868.1
01U626A	877.1	08-Sep-89	23 A	877.0
01U626A	877.1	03-Nov-89	24 F	867.7
01U626A	877.1	21-Nov-89	24 A	877.0
01U626A	877.1	03-Jan-90	25 A	876.8
01U626A	877.1	07-May-90	26 A	877.2
01U626A	877.1	03-Jul-90	27 A	878.0
01U626A	877.1	02-Oct-90	29 A	878.1
01U626A	877.1	06-Mar-91	30 A	877.1
01U626A	877.1	04-Jun-91	31 A	879.0
01U626A	877.1	03-Sep-91	32 A	877.6
01U626A	877.1	02-Mar-92	34 A	869.4
01U626A	877.1	01-Jun-92	35 A	869.5
01U626A	877.1	09-Sep-92	36 A	869.0
01U626B	877.1	27-Jan-88	17 F	866.0
01U626B	877.1	14-Apr-88	18 F	865.9
01U626B	877.1	30-Aug-88	19 F	866.2
01U626B	877.1	23-Nov-88	20 F	866.8
01U626B	877.1	06-Dec-88	20 A	875.7
01U626B	877.1	29-Mar-89	21 A	874.4
01U626B	877.1	07-Jun-89	22 A	875.3
01U626B	877.1	04-Aug-89	23 F	867.6
01U626B	877.1	08-Sep-89	23 A	876.9
01U626B	877.1	03-Nov-89	24 F	867.2
01U626B	877.1	21-Nov-89	24 A	876.6
01U626B	877.1	03-Jan-90	25 A	875.9
01U626B	877.1	07-May-90	26 A	876.1
01U626B	877.1	03-Jul-90	27 A	877.7
01U626B	877.1	02-Oct-90	29 A	877.9
01U626B	877.1	06-Mar-91	30 A	876.1
01U626B	877.1	04-Jun-91	31 A	879.0
01U626B	877.1	03-Sep-91	32 A	877.4
01U626B	877.1	02-Mar-92	34 A	869.2
01U626B	877.1	01-Jun-92	35 A	869.3
01U626B	877.1	09-Sep-92	36 A	868.7
01U626C	877.1	27-Jan-88	17 F	866.1
01U626C	877.1	14-Apr-88	18 F	866.0
01U626C	877.1	30-Aug-88	19 F	866.3
01U626C	877.1	23-Nov-88	20 F	866.8
01U626C	877.1	06-Dec-88	20 A	875.8
01U626C	877.1	29-Mar-89	21 A	874.5
01U626C	877.1	07-Jun-89	22 A	875.4
01U626C	877.1	04-Aug-89	23 F	867.7
01U626C	877.1	08-Sep-89	23 A	877.0
01U626C	877.1	03-Nov-89	24 F	867.2
01U626C	877.1	21-Nov-89	24 A	876.7
01U626C	877.1	03-Jan-90	25 A	875.9
01U626C	877.1	07-May-90	26 A	876.1
01U626C	877.1	03-Jul-90	27 A	877.7
01U626C	877.1	02-Oct-90	29 A	878.0
01U626C	877.1	06-Mar-91	30 A	876.1
01U626C	877.1	04-Jun-91	31 A	879.0
01U626C	877.1	03-Sep-91	32 A	877.5
01U626C	877.1	02-Mar-92	34 A	869.2
01U626C	877.1	01-Jun-92	35 A	869.4
01U626C	877.1	09-Sep-92	36 A	868.7
01U626D	877.1	27-Jan-88	17 F	866.2
01U626D	877.1	14-Apr-88	18 F	866.1
01U626D	877.1	30-Aug-88	19 F	866.3
01U626D	877.1	23-Nov-88	20 F	867.4
01U626D	877.1	06-Dec-88	20 A	875.9
01U626D	877.1	29-Mar-89	21 A	874.5
01U626D	877.1	07-Jun-89	22 A	875.4
01U626D	877.1	04-Aug-89	23 F	867.7
01U626D	877.1	08-Sep-89	23 A	877.0
01U626D	877.1	03-Nov-89	24 F	867.3
01U626D	877.1	21-Nov-89	24 A	876.7
01U626D	877.1	03-Jan-90	25 A	876.0
01U626D	877.1	07-May-90	26 A	876.2
01U626D	877.1	03-Jul-90	27 A	877.8
01U626D	877.1	02-Oct-90	29 A	878.1
01U626D	877.1	06-Mar-91	30 A	876.1
01U626D	877.1	04-Jun-91	31 A	879.1
01U626D	877.1	03-Sep-91	32 A	877.5

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U626D	877.1	02-Mar-92	34 A	869.3
01U626D	877.1	01-Jun-92	35 A	869.4
01U626D	877.1	09-Sep-92	36 A	868.7
01U627A	877.1	27-Jan-88	17 F	868.0
01U627A	877.1	14-Apr-88	18 F	867.6
01U627A	877.1	30-Aug-88	19 F	867.8
01U627A	877.1	23-Nov-88	20 F	868.7
01U627A	877.1	06-Dec-88	20 A	876.6
01U627A	877.1	29-Mar-89	21 A	874.7
01U627A	877.1	07-Jun-89	22 A	876.8
01U627A	877.1	04-Aug-89	23 F	869.8
01U627A	877.1	08-Sep-89	23 A	877.8
01U627A	877.1	03-Nov-89	24 F	869.2
01U627A	877.1	21-Nov-89	24 A	878.1
01U627A	877.1	03-Jan-90	25 A	878.4
01U627A	877.1	07-May-90	26 A	878.7
01U627A	877.1	03-Jul-90	27 A	879.0
01U627A	877.1	02-Oct-90	29 A	878.9
01U627A	877.1	06-Mar-91	30 A	878.8
01U627A	877.1	04-Jun-91	31 A	879.7
01U627A	877.1	03-Sep-91	32 A	878.6
01U627A	877.1	02-Mar-92	34 A	870.4
01U627A	877.1	01-Jun-92	35 A	870.8
01U627A	877.1	09-Sep-92	36 A	870.4
01U627B	877.1	27-Jan-88	17 F	867.0
01U627B	877.1	14-Apr-88	18 F	866.9
01U627B	877.1	30-Aug-88	19 F	867.1
01U627B	877.1	23-Nov-88	20 F	868.7
01U627B	877.1	06-Dec-88	20 A	876.1
01U627B	877.1	29-Mar-89	21 A	874.7
01U627B	877.1	07-Jun-89	22 A	875.7
01U627B	877.1	04-Aug-89	23 F	868.5
01U627B	877.1	08-Sep-89	23 A	877.2
01U627B	877.1	03-Nov-89	24 F	867.9
01U627B	877.1	21-Nov-89	24 A	877.0
01U627B	877.1	03-Jan-90	25 A	876.2
01U627B	877.1	07-May-90	26 A	876.5
01U627B	877.1	03-Jul-90	27 A	878.1
01U627B	877.1	02-Oct-90	29 A	878.3
01U627B	877.1	06-Mar-91	30 A	876.4
01U627B	877.1	04-Jun-91	31 A	879.3
01U627B	877.1	03-Sep-91	32 A	877.8
01U627B	877.1	02-Mar-92	34 A	869.8
01U627B	877.1	01-Jun-92	35 A	870.0
01U627B	877.1	09-Sep-92	36 A	869.4
01U627C	877.1	27-Jan-88	17 F	867.0
01U627C	877.1	14-Apr-88	18 F	866.8
01U627C	877.1	30-Aug-88	19 F	867.1
01U627C	877.1	23-Nov-88	20 F	868.5
01U627C	877.1	06-Dec-88	20 A	876.0
01U627C	877.1	29-Mar-89	21 A	874.7
01U627C	877.1	07-Jun-89	22 A	875.6
01U627C	877.1	04-Aug-89	23 F	868.4
01U627C	877.1	08-Sep-89	23 A	877.1
01U627C	877.1	03-Nov-89	24 F	867.9
01U627C	877.1	21-Nov-89	24 A	876.9
01U627C	877.1	03-Jan-90	25 A	876.1
01U627C	877.1	07-May-90	26 A	876.4
01U627C	877.1	03-Jul-90	27 A	878.0
01U627C	877.1	02-Oct-90	29 A	878.2
01U627C	877.1	06-Mar-91	30 A	876.3
01U627C	877.1	04-Jun-91	31 A	879.2
01U627C	877.1	03-Sep-91	32 A	877.7
01U627C	877.1	02-Mar-92	34 A	869.7
01U627C	877.1	01-Jun-92	35 A	870.0
01U627C	877.1	09-Sep-92	36 A	869.3
01U627D	877.1	27-Jan-88	17 F	867.0
01U627D	877.1	14-Apr-88	18 F	866.8
01U627D	877.1	30-Aug-88	19 F	867.1
01U627D	877.1	23-Nov-88	20 F	867.4
01U627D	877.1	06-Dec-88	20 A	876.1
01U627D	877.1	29-Mar-89	21 A	874.6
01U627D	877.1	07-Jun-89	22 A	875.7
01U627D	877.1	04-Aug-89	23 F	868.4
01U627D	877.1	08-Sep-89	23 A	877.1
01U627D	877.1	03-Nov-89	24 F	867.9
01U627D	877.1	21-Nov-89	24 A	876.8
01U627D	877.1	03-Jan-90	25 A	876.2
01U627D	877.1	07-May-90	26 A	876.4
01U627D	877.1	03-Jul-90	27 A	878.0
01U627D	877.1	02-Oct-90	29 A	878.2
01U627D	877.1	06-Mar-91	30 A	876.3
01U627D	877.1	04-Jun-91	31 A	879.2
01U627D	877.1	03-Sep-91	32 A	877.7
01U627D	877.1	02-Mar-92	34 A	869.7
01U627D	877.1	01-Jun-92	35 A	870.0
01U627D	877.1	09-Sep-92	36 A	869.3
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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
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
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
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
01U634	958.0	15-Dec-87	16 F	951.2
01U634	958.0	14-Apr-88	18 F	951.3
01U634	958.0	23-Nov-88	20 F	953.3
01U634	958.0	12-May-89	22 F	950.2
01U634	958.0	04-Aug-89	23 F	951.9
01U636	953.0	14-Dec-87	16 F	939.6
01U636	953.0	14-Apr-88	18 F	940.0
01U636	953.0	30-Aug-88	19 F	939.6
01U636	953.0	23-Nov-88	20 F	939.6
01U636	953.0	12-May-89	22 F	941.1
01U636	953.0	04-Aug-89	23 F	940.4
01U636	953.0	22-Mar-90	30 A	944.5
01U636	953.0	11-Sep-90	32 A	944.2
01U636	953.0	16-Mar-92	34 A	940.6
01U636	953.0	08-Oct-92	36 A	937.8
01U639	958.0	14-Dec-87	16 F	948.5
01U639	958.0	14-Apr-88	18 F	950.8
01U639	958.0	23-Nov-88	20 F	952.9
01U639	958.0	12-May-89	22 F	950.1
01U639	958.0	22-Mar-90	30 A	952.6
01U639	958.0	11-Sep-90	32 A	953.0
01U639	958.0	16-Mar-92	34 A	950.3
01U639	958.0	08-Oct-92	36 A	946.7
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U642	958.6	15-Dec-87	16 F	954.4
01U642	958.6	27-Jan-88	17 F	952.0
01U642	958.6	14-Apr-88	18 F	954.0
01U642	958.6	30-Aug-88	19 F	953.8
01U642	958.6	23-Nov-88	20 F	955.0
01U642	958.6	04-Aug-89	23 F	951.2
01U652	957.0	15-Dec-87	16 F	947.9
01U652	957.0	27-Jan-88	17 F	947.3
01U652	957.0	14-Apr-88	18 F	946.2
01U652	957.0	30-Aug-88	19 F	947.4
01U652	957.0	23-Nov-88	20 F	947.6
01U652	957.0	12-May-89	22 F	943.1
01U652	957.0	04-Aug-89	23 F	947.2
01U652	957.0	03-Nov-89	24 F	947.6
01U666	959.0	12-May-89	22 F	948.9
01U667	959.4	15-Dec-87	16 F	946.3
01U667	959.4	27-Jan-88	17 F	945.9
01U667	959.4	14-Apr-88	18 F	949.0
01U667	959.4	30-Aug-88	19 F	946.5
01U667	959.4	23-Nov-88	20 F	946.1
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	905.3	14-Dec-87	16 F	901.0
01U805	905.3	26-Jan-88	17 F	899.5
01U805	905.3	13-Apr-88	18 F	901.3
01U805	905.3	30-Aug-88	19 F	899.3
01U805	905.3	23-Nov-88	20 F	899.4
01U805	905.3	03-Aug-89	23 F	900.4
01U805	905.3	03-Nov-89	24 F	897.1
01U805	905.3	05-Sep-91	32 F	899.8
01U806	909.8	14-Dec-87	16 F	902.9
01U806	909.8	27-Jan-88	17 F	901.6
01U806	909.8	13-Apr-88	18 F	901.6
01U806	909.8	30-Aug-88	19 F	901.6
01U806	909.8	03-Aug-89	23 F	902.2
01U806	909.8	03-Nov-89	24 F	901.0
01U806	909.8	05-Sep-91	32 F	903.3
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	870.3	14-Dec-87	16 F	868.6
01U813	870.3	13-Apr-88	18 F	868.7
01U813	870.3	30-Aug-88	19 F	866.0
01U813	870.3	23-Nov-88	20 F	867.1
01U813	870.3	06-Aug-89	23 F	868.1
01U813	870.3	03-Nov-89	24 F	867.5
01U901	902.0	06-Aug-89	23 F	882.2
01U901	902.0	02-Nov-89	24 F	881.5
01U901	902.0	20-Feb-90	25 F	880.9
01U901	902.0	20-Mar-90	25 F	880.8
01U901	902.0	16-Apr-90	26 F	880.5
01U901	902.0	30-Apr-90	26 F	880.9
01U901	902.0	22-May-90	26 F	881.2
01U901	902.0	19-Jun-90	26 F	881.7
01U901	902.0	17-Jul-90	27 F	882.5
01U901	902.0	21-Aug-90	27 F	884.3
01U901	902.0	18-Sep-90	28 F	883.6
01U901	902.0	02-Nov-90	29 F	883.4
01U901	902.0	18-Dec-90	29 F	883.0
01U901	902.0	19-Feb-91	30 F	882.3
01U901	902.0	19-Mar-91	30 F	882.2
01U901	902.0	16-Apr-91	31 F	882.5
01U901	902.0	18-Jun-91	31 F	884.8
01U901	902.0	18-Jun-91	31 F	884.8
01U901	902.0	30-Jul-91	32 F	885.3
01U901	902.0	19-Aug-91	32 F	885.2
01U901	902.0	22-Oct-91	33 F	885.8
01U901	902.0	21-Dec-91	33 F	885.8
01U901	902.0	18-Feb-92	34 F	885.3
01U901	902.0	05-Mar-92	34 F	885.2
01U901	902.0	13-Apr-92	35 F	885.8
01U901	902.0	16-Jun-92	35 F	886.2
01U901	902.0	21-Aug-92	36 F	885.2
01U901	902.0	01-Sep-92	36 F	885.1
01U902	901.0	06-Aug-89	23 F	884.4
01U902	901.0	02-Nov-89	24 F	883.6
01U902	901.0	20-Feb-90	25 F	882.7
01U902	901.0	20-Mar-90	25 F	882.5
01U902	901.0	16-Apr-90	26 F	882.5
01U902	901.0	22-May-90	26 F	882.7
01U902	901.0	19-Jun-90	26 F	883.5
01U902	901.0	17-Jul-90	27 F	884.5
01U902	901.0	21-Aug-90	27 F	885.4

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U902	901.0	18-Sep-90	28 F	885.9
01U902	901.0	02-Nov-90	29 F	885.5
01U902	901.0	18-Dec-90	29 F	885.3
01U902	901.0	19-Feb-91	30 F	884.6
01U902	901.0	19-Mar-91	30 F	884.3
01U902	901.0	16-Apr-91	31 F	884.5
01U902	901.0	05-Jun-91	31 F	886.7
01U902	901.0	18-Jun-91	31 F	887.4
01U902	901.0	18-Jun-91	31 F	887.5
01U902	901.0	30-Jul-91	32 F	888.0
01U902	901.0	19-Aug-91	32 F	887.8
01U902	901.0	03-Sep-91	32 F	887.5
01U902	901.0	22-Oct-91	33 F	888.7
01U902	901.0	21-Dec-91	33 F	888.6
01U902	901.0	18-Feb-92	34 F	888.0
01U902	901.0	09-Mar-92	34 F	887.9
01U902	901.0	13-Apr-92	35 F	888.5
01U902	901.0	02-Jun-92	35 F	889.2
01U902	901.0	16-Jun-92	35 F	888.9
01U902	901.0	21-Aug-92	36 F	888.0
01U902	901.0	01-Sep-92	36 F	887.8
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	36 A	866.2
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
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	36 A	821.1
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	843.1
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	36 A	836.7
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	36 A	834.2
03F307	912.6	24-Nov-87	16 A	823.7
03F307	912.6	30-Nov-87	16 A	824.1
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	860.6
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	36 A	822.0
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	36 A	841.8
03L001	888.4	17-Nov-87	16 A	849.8
03L001	888.4	24-Nov-87	16 A	849.4
03L001	888.4	30-Nov-87	16 A	849.8
03L001	888.4	14-Dec-87	16 A	849.5
03L001	888.4	14-Dec-87	16 F	849.6
03L001	888.4	11-Jan-88	17 A	849.8
03L001	888.4	27-Jan-88	17 F	849.5
03L001	888.4	13-Apr-88	18 F	850.5
03L001	888.4	02-May-88	18 A	849.6
03L001	888.4	20-May-88	18 A	849.0
03L001	888.4	23-Jun-88	18 A	846.5
03L001	888.4	27-Jul-88	19 A	845.3
03L001	888.4	30-Aug-88	19 F	845.4
03L001	888.4	01-Sep-88	19 A	845.0
03L001	888.4	21-Sep-88	19 A	845.1
03L001	888.4	14-Oct-88	20 A	845.6
03L001	888.4	23-Nov-88	20 F	846.6
03L001	888.4	02-Dec-88	20 A	846.6
03L001	888.4	13-Jan-89	21 A	846.7
03L001	888.4	31-Mar-89	21 A	843.8
03L001	888.4	07-Jul-89	23 A	841.5
03L001	888.4	05-Aug-89	23 F	841.4
03L001	888.4	05-Oct-89	24 A	841.3
03L001	888.4	02-Nov-89	24 F	841.4
03L001	888.4	21-Dec-89	24 A	841.2
03L001	888.4	11-Jan-90	25 A	841.2
03L001	888.4	16-May-90	26 A	841.4
03L001	888.4	16-Jul-90	27 A	841.1
03L001	888.4	28-Feb-91	30 A	842.0
03L001	888.4	03-Jun-91	31 A	841.8
03L001	888.4	03-Sep-91	32 A	840.8
03L001	888.4	27-Sep-91	32 A	841.4
03L001	888.4	06-Dec-91	33 A	842.7
03L001	888.4	24-Mar-92	34 A	843.2
03L001	888.4	01-Jun-92	35 A	843.0
03L001	888.4	01-Sep-92	36 A	842.6
03L001	888.4	08-Oct-92	36 A	843.4
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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
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	36 A	844.2
03L003	943.2	17-Nov-87	16 A	852.3
03L003	943.2	24-Nov-87	16 A	852.2
03L003	943.2	30-Nov-87	16 A	852.2
03L003	943.2	14-Dec-87	16 A	852.0
03L003	943.2	14-Dec-87	16 F	852.1
03L003	943.2	11-Jan-88	17 A	852.2
03L003	943.2	26-Jan-88	17 F	852.2
03L003	943.2	14-Apr-88	18 F	853.9
03L003	943.2	02-May-88	18 A	852.8
03L003	943.2	20-May-88	18 A	852.2
03L003	943.2	23-Jun-88	18 A	851.5
03L003	943.2	27-Jul-88	19 A	850.1
03L003	943.2	30-Aug-88	19 F	849.1
03L003	943.2	01-Sep-88	19 A	848.8
03L003	943.2	21-Sep-88	19 A	848.6
03L003	943.2	14-Oct-88	20 A	848.3
03L003	943.2	02-Dec-88	20 A	849.5
03L003	943.2	13-Jan-89	21 A	849.0
03L003	943.2	31-Mar-89	21 A	845.2
03L003	943.2	07-Jul-89	23 A	843.7
03L003	943.2	05-Aug-89	23 F	843.9
03L003	943.2	05-Oct-89	24 A	843.0
03L003	943.2	02-Nov-89	24 F	843.9
03L003	943.2	21-Dec-89	24 A	843.7
03L003	943.2	11-Jan-90	25 A	843.1
03L003	943.2	16-May-90	26 A	843.2
03L003	943.2	16-Jul-90	27 A	842.9
03L003	943.2	28-Feb-91	30 A	843.6
03L003	943.2	03-Jun-91	31 A	843.3
03L003	943.2	03-Sep-91	32 A	842.9
03L003	943.2	27-Sep-91	32 A	843.1
03L003	943.2	06-Dec-91	33 A	844.3
03L003	943.2	24-Mar-92	34 A	844.8
03L003	943.2	01-Jun-92	35 A	845.6
03L003	943.2	01-Sep-92	36 A	845.3
03L003	943.2	08-Oct-92	36 A	845.6
03L004	950.7	17-Nov-87	16 A	855.7
03L004	950.7	24-Nov-87	16 A	855.4
03L004	950.7	30-Nov-87	16 A	855.6
03L004	950.7	14-Dec-87	16 A	855.3
03L004	950.7	14-Dec-87	16 F	855.4
03L004	950.7	11-Jan-88	17 A	855.7
03L004	950.7	26-Jan-88	17 F	855.6
03L004	950.7	14-Apr-88	18 F	856.3
03L004	950.7	02-May-88	18 A	855.9
03L004	950.7	20-May-88	18 A	855.5
03L004	950.7	23-Jun-88	18 A	854.5
03L004	950.7	27-Jul-88	19 A	853.1
03L004	950.7	30-Aug-88	19 F	852.2
03L004	950.7	01-Sep-88	19 A	851.9
03L004	950.7	21-Sep-88	19 A	851.6
03L004	950.7	14-Oct-88	20 A	851.5
03L004	950.7	23-Nov-88	20 F	851.7
03L004	950.7	02-Dec-88	20 A	851.8
03L004	950.7	13-Jan-89	21 A	852.1
03L004	950.7	31-Mar-89	21 A	850.7
03L004	950.7	05-Aug-89	23 F	849.6
03L004	950.7	05-Oct-89	24 A	848.4
03L004	950.7	04-Nov-89	24 F	848.4
03L004	950.7	21-Dec-89	24 A	848.1
03L004	950.7	11-Jan-90	25 A	847.9
03L004	950.7	16-May-90	26 A	847.8
03L004	950.7	28-Feb-91	30 A	848.4
03L004	950.7	27-Sep-91	32 A	847.9
03L004	950.7	24-Mar-92	34 A	849.8
03L004	950.7	08-Oct-92	36 A	850.5
03L005	971.5	30-Nov-87	16 A	854.6
03L005	971.5	14-Dec-87	16 A	854.4
03L005	971.5	14-Dec-87	16 F	857.2
03L005	971.5	26-Jan-88	17 F	857.3
03L005	971.5	14-Apr-88	18 F	857.6
03L005	971.5	02-May-88	18 A	854.8
03L005	971.5	20-May-88	18 A	854.4
03L005	971.5	23-Jun-88	18 A	852.7
03L005	971.5	27-Jul-88	19 A	851.7
03L005	971.5	30-Aug-88	19 F	853.6
03L005	971.5	01-Sep-88	19 A	850.7
03L005	971.5	21-Sep-88	19 A	850.4
03L005	971.5	14-Oct-88	20 A	850.0
03L005	971.5	23-Nov-88	20 F	853.1
03L005	971.5	02-Dec-88	20 A	850.1
03L005	971.5	13-Jan-89	21 A	850.6
03L005	971.5	31-Mar-89	21 A	849.4
03L005	971.5	05-Aug-89	23 F	851.0
03L005	971.5	05-Oct-89	24 A	847.5

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L005	971.5	03-Nov-89	24 F	850.4
03L005	971.5	21-Dec-89	24 A	846.9
03L005	971.5	11-Jan-90	25 A	846.9
03L005	971.5	24-Apr-90	26 F	849.9
03L005	971.5	16-May-90	26 A	846.7
03L005	971.5	28-Feb-91	30 A	847.7
03L005	971.5	29-Mar-91	30 F	849.9
03L005	971.5	27-Sep-91	32 A	847.2
03L005	971.5	17-Mar-92	34 F	852.1
03L005	971.5	24-Mar-92	34 A	849.2
03L005	971.5	08-Oct-92	36 A	850.1
03L007	901.7	24-Nov-87	16 A	859.1
03L007	901.7	14-Dec-87	16 A	859.4
03L007	901.7	14-Dec-87	16 F	859.3
03L007	901.7	11-Jan-88	17 A	859.8
03L007	901.7	26-Jan-88	17 F	859.5
03L007	901.7	13-Apr-88	18 F	859.9
03L007	901.7	02-May-88	18 A	859.3
03L007	901.7	20-May-88	18 A	859.0
03L007	901.7	23-Jun-88	18 A	856.6
03L007	901.7	27-Jul-88	19 A	855.2
03L007	901.7	30-Aug-88	19 F	854.9
03L007	901.7	01-Sep-88	19 A	855.0
03L007	901.7	21-Sep-88	19 A	854.5
03L007	901.7	14-Oct-88	20 A	854.9
03L007	901.7	23-Nov-88	20 F	855.4
03L007	901.7	02-Dec-88	20 A	855.5
03L007	901.7	13-Jan-89	21 A	855.7
03L007	901.7	31-Mar-89	21 A	855.1
03L007	901.7	05-Aug-89	23 F	852.5
03L007	901.7	05-Oct-89	24 A	852.5
03L007	901.7	02-Nov-89	24 F	852.6
03L007	901.7	21-Dec-89	24 A	852.6
03L007	901.7	11-Jan-90	25 A	852.5
03L007	901.7	23-Apr-90	26 F	852.0
03L007	901.7	16-May-90	26 A	852.1
03L007	901.7	16-Jul-90	27 A	851.9
03L007	901.7	19-Jul-90	27 F	852.0
03L007	901.7	28-Feb-91	30 A	853.2
03L007	901.7	28-Mar-91	30 F	852.7
03L007	901.7	03-Jun-91	31 A	852.8
03L007	901.7	03-Sep-91	32 A	852.3
03L007	901.7	27-Sep-91	32 A	852.4
03L007	901.7	06-Dec-91	33 A	854.3
03L007	901.7	10-Mar-92	34 F	854.8
03L007	901.7	24-Mar-92	34 A	854.8
03L007	901.7	01-Jun-92	35 A	854.8
03L007	901.7	01-Sep-92	36 A	854.4
03L007	901.7	08-Oct-92	36 A	855.2
03L010	888.9	24-Nov-87	16 A	865.4
03L010	888.9	14-Dec-87	16 A	865.6
03L010	888.9	11-Jan-88	17 A	866.0
03L010	888.9	26-Jan-88	17 F	865.8
03L010	888.9	13-Apr-88	18 F	865.6
03L010	888.9	02-May-88	18 A	864.7
03L010	888.9	20-May-88	18 A	864.2
03L010	888.9	23-Jun-88	18 A	858.9
03L010	888.9	27-Jul-88	19 A	857.4
03L010	888.9	30-Aug-88	19 F	859.2
03L010	888.9	01-Sep-88	19 A	859.3
03L010	888.9	21-Sep-88	19 A	859.7
03L010	888.9	14-Oct-88	20 A	860.7
03L010	888.9	23-Nov-88	20 F	861.4
03L010	888.9	02-Dec-88	20 A	861.5
03L010	888.9	13-Jan-89	21 A	861.6
03L010	888.9	31-Mar-89	21 A	862.7
03L010	888.9	05-Aug-89	23 F	857.9
03L010	888.9	05-Oct-89	24 A	859.1
03L010	888.9	02-Nov-89	24 F	859.5
03L010	888.9	21-Dec-89	24 A	860.1
03L010	888.9	11-Jan-90	25 A	860.2
03L010	888.9	27-Apr-90	26 F	859.8
03L010	888.9	01-Apr-91	30 F	861.4
03L010	888.9	27-Sep-91	32 A	861.9
03L010	888.9	10-Mar-92	34 F	863.6
03L010	888.9	24-Mar-92	34 A	863.5
03L010	888.9	08-Oct-92	36 A	862.9
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	856.3
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	36 A	847.6
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

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	36 A	852.3
03L017	939.2	17-Nov-87	16 A	854.3
03L017	939.2	24-Nov-87	16 A	854.0
03L017	939.2	14-Dec-87	16 A	854.4
03L017	939.2	27-Jan-88	17 F	854.3
03L017	939.2	13-Apr-88	18 F	855.1
03L017	939.2	02-May-88	18 A	854.5
03L017	939.2	20-May-88	18 A	854.0
03L017	939.2	23-Jun-88	18 A	852.8
03L017	939.2	27-Jul-88	19 A	851.2
03L017	939.2	30-Aug-88	19 F	850.5
03L017	939.2	01-Sep-88	19 A	850.2
03L017	939.2	21-Sep-88	19 A	850.2
03L017	939.2	14-Oct-88	20 A	850.0
03L017	939.2	23-Nov-88	20 F	850.6
03L017	939.2	02-Dec-88	20 A	850.7
03L017	939.2	13-Jan-89	21 A	851.0
03L017	939.2	31-Mar-89	21 A	849.2
03L017	939.2	05-Oct-89	24 A	847.1
03L017	939.2	04-Nov-89	24 F	846.8
03L017	939.2	21-Dec-89	24 A	846.3
03L017	939.2	11-Jan-90	25 A	846.3
03L017	939.2	16-May-90	26 A	846.4
03L017	939.2	28-Feb-91	30 A	847.1
03L017	939.2	27-Sep-91	32 A	846.8
03L017	939.2	24-Mar-92	34 A	848.6
03L017	939.2	08-Oct-92	36 A	849.0
03L018	989.1	24-Nov-87	16 A	856.4
03L018	989.1	30-Nov-87	16 A	856.4
03L018	989.1	14-Dec-87	16 A	856.5

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L018	989.1	11-Jan-88	17 A	856.7
03L018	989.1	27-Jan-88	17 F	856.7
03L018	989.1	14-Apr-88	18 F	856.9
03L018	989.1	02-May-88	18 A	856.8
03L018	989.1	20-May-88	18 A	856.4
03L018	989.1	23-Jun-88	18 A	855.1
03L018	989.1	27-Jul-88	19 A	853.6
03L018	989.1	30-Aug-88	19 F	852.6
03L018	989.1	01-Sep-88	19 A	852.6
03L018	989.1	21-Sep-88	19 A	852.4
03L018	989.1	14-Oct-88	20 A	852.2
03L018	989.1	23-Nov-88	20 F	852.4
03L018	989.1	02-Dec-88	20 A	852.5
03L018	989.1	13-Jan-89	21 A	852.7
03L018	989.1	31-Mar-89	21 A	851.8
03L018	989.1	05-Aug-89	23 F	850.1
03L018	989.1	05-Oct-89	24 A	849.6
03L018	989.1	04-Nov-89	24 F	849.4
03L018	989.1	21-Dec-89	24 A	849.1
03L018	989.1	11-Jan-90	25 A	849.1
03L018	989.1	16-May-90	26 A	849.0
03L018	989.1	28-Feb-91	30 A	849.8
03L018	989.1	27-Sep-91	32 A	849.4
03L018	989.1	24-Mar-92	34 A	851.5
03L018	989.1	08-Oct-92	36 A	851.8
03L020	954.3	17-Nov-87	16 A	854.5
03L020	954.3	24-Nov-87	16 A	854.4
03L020	954.3	30-Nov-87	16 A	854.4
03L020	954.3	14-Dec-87	16 A	854.3
03L020	954.3	11-Jan-88	17 A	854.5
03L020	954.3	27-Jan-88	17 F	854.6
03L020	954.3	14-Apr-88	18 F	855.4
03L020	954.3	02-May-88	18 A	854.9
03L020	954.3	20-May-88	18 A	854.4
03L020	954.3	23-Jun-88	18 A	853.4
03L020	954.3	27-Jul-88	19 A	851.9
03L020	954.3	30-Aug-88	19 F	850.8
03L020	954.3	01-Sep-88	19 A	850.7
03L020	954.3	21-Sep-88	19 A	850.6
03L020	954.3	14-Oct-88	20 A	850.3
03L020	954.3	23-Nov-88	20 F	850.8
03L020	954.3	02-Dec-88	20 A	851.0
03L020	954.3	13-Jan-89	21 A	851.1
03L020	954.3	31-Mar-89	21 A	849.3
03L020	954.3	07-Jul-89	23 A	848.1
03L020	954.3	05-Aug-89	23 F	847.8
03L020	954.3	05-Oct-89	24 A	847.1
03L020	954.3	04-Nov-89	24 F	848.2
03L020	954.3	21-Dec-89	24 A	846.6
03L020	954.3	11-Jan-90	25 A	846.6
03L020	954.3	16-May-90	26 A	846.6
03L020	954.3	16-Jul-90	27 A	846.4
03L020	954.3	28-Feb-91	30 A	847.2
03L020	954.3	03-Jun-91	31 A	847.1
03L020	954.3	03-Sep-91	32 A	846.6
03L020	954.3	27-Sep-91	32 A	846.8
03L020	954.3	06-Dec-91	33 A	848.0
03L020	954.3	24-Mar-92	34 A	848.8
03L020	954.3	01-Jun-92	35 A	849.3
03L020	954.3	01-Sep-92	36 A	848.8
03L020	954.3	08-Oct-92	36 A	849.1
03L021	943.9	24-Nov-87	16 A	852.5
03L021	943.9	14-Dec-87	16 A	852.4
03L021	943.9	15-Dec-87	16 F	852.3
03L021	943.9	11-Jan-88	17 A	852.6
03L021	943.9	28-Jan-88	17 F	852.5
03L021	943.9	14-Apr-88	18 F	854.2
03L021	943.9	02-May-88	18 A	852.9
03L021	943.9	20-May-88	18 A	852.3
03L021	943.9	23-Jun-88	18 A	851.4
03L021	943.9	27-Jul-88	19 A	850.0
03L021	943.9	30-Aug-88	19 F	849.1
03L021	943.9	01-Sep-88	19 A	849.1
03L021	943.9	21-Sep-88	19 A	848.9
03L021	943.9	14-Oct-88	20 A	848.5
03L021	943.9	23-Nov-88	20 F	849.5
03L021	943.9	02-Dec-88	20 A	849.7
03L021	943.9	13-Jan-89	21 A	849.5
03L021	943.9	31-Mar-89	21 A	846.9
03L021	943.9	05-Aug-89	23 F	845.2
03L021	943.9	05-Oct-89	24 A	844.9
03L021	943.9	04-Nov-89	24 F	844.7
03L021	943.9	21-Dec-89	24 A	844.3
03L021	943.9	11-Jan-90	25 A	844.2
03L021	943.9	16-May-90	26 A	844.2
03L021	943.9	28-Feb-91	30 A	844.7
03L021	943.9	27-Sep-91	32 A	844.1
03L021	943.9	24-Mar-92	34 A	846.2
03L021	943.9	08-Oct-92	36 A	846.6
03L027	966.5	17-Nov-87	16 A	854.8
03L027	966.5	24-Nov-87	16 A	854.6
03L027	966.5	30-Nov-87	16 A	854.7
03L027	966.5	14-Dec-87	16 A	854.6
03L027	966.5	11-Jan-88	17 A	854.8
03L027	966.5	27-Jan-88	17 F	854.7
03L027	966.5	14-Apr-88	18 F	855.6
03L027	966.5	02-May-88	18 A	855.1
03L027	966.5	20-May-88	18 A	854.6
03L027	966.5	23-Jun-88	18 A	853.7
03L027	966.5	27-Jul-88	19 A	852.2
03L027	966.5	30-Aug-88	19 F	851.1
03L027	966.5	01-Sep-88	19 A	851.1
03L027	966.5	21-Sep-88	19 A	850.8

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L027	966.5	14-Oct-88	20 A	850.5
03L027	966.5	23-Nov-88	20 F	850.9
03L027	966.5	02-Dec-88	20 A	851.2
03L027	966.5	13-Jan-89	21 A	851.5
03L027	966.5	31-Mar-89	21 A	849.6
03L027	966.5	05-Aug-89	23 F	842.1
03L027	966.5	05-Oct-89	24 A	847.4
03L027	966.5	04-Nov-89	24 F	847.3
03L027	966.5	21-Dec-89	24 A	847.1
03L027	966.5	11-Jan-90	25 A	846.9
03L027	966.5	16-May-90	26 A	846.9
03L027	966.5	28-Feb-91	30 A	847.4
03L027	966.5	27-Sep-91	32 A	847.0
03L027	966.5	24-Mar-92	34 A	849.0
03L027	966.5	08-Oct-92	36 A	849.4
03L028	956.3	17-Nov-87	16 A	854.2
03L028	956.3	30-Nov-87	16 A	854.1
03L028	956.3	14-Dec-87	16 A	854.1
03L028	956.3	14-Dec-87	16 F	854.3
03L028	956.3	11-Jan-88	17 A	854.3
03L028	956.3	27-Jan-88	17 F	854.4
03L028	956.3	14-Apr-88	18 F	855.5
03L028	956.3	02-May-88	18 A	854.6
03L028	956.3	20-May-88	18 A	854.1
03L028	956.3	23-Jun-88	18 A	853.2
03L028	956.3	27-Jul-88	19 A	851.2
03L028	956.3	30-Aug-88	19 F	851.0
03L028	956.3	01-Sep-88	19 A	850.6
03L028	956.3	21-Sep-88	19 A	850.3
03L028	956.3	14-Oct-88	20 A	850.1
03L028	956.3	23-Nov-88	20 F	851.0
03L028	956.3	02-Dec-88	20 A	850.6
03L028	956.3	13-Jan-89	21 A	850.8
03L028	956.3	31-Mar-89	21 A	848.9
03L028	956.3	05-Aug-89	23 F	847.8
03L028	956.3	05-Oct-89	24 A	846.8
03L028	956.3	02-Nov-89	24 F	846.9
03L028	956.3	21-Dec-89	24 A	846.5
03L028	956.3	11-Jan-90	25 A	846.3
03L028	956.3	16-May-90	26 A	846.2
03L028	956.3	28-Feb-91	30 A	846.7
03L028	956.3	27-Sep-91	32 A	846.3
03L028	956.3	24-Mar-92	34 A	848.2
03L028	956.3	08-Oct-92	36 A	848.7
03L029	954.3	30-Nov-87	16 A	853.4
03L029	954.3	14-Dec-87	16 A	853.4
03L029	954.3	15-Dec-87	16 F	853.4
03L029	954.3	11-Jan-88	17 A	853.7
03L029	954.3	27-Jan-88	17 F	853.4
03L029	954.3	14-Apr-88	18 F	854.9
03L029	954.3	02-May-88	18 A	853.9
03L029	954.3	20-May-88	18 A	853.4
03L029	954.3	23-Jun-88	18 A	852.7
03L029	954.3	27-Jul-88	19 A	851.1
03L029	954.3	30-Aug-88	19 F	850.2
03L029	954.3	01-Sep-88	19 A	849.9
03L029	954.3	21-Sep-88	19 A	849.8
03L029	954.3	14-Oct-88	20 A	849.5
03L029	954.3	23-Nov-88	20 F	850.2
03L029	954.3	02-Dec-88	20 A	850.1
03L029	954.3	13-Jan-89	21 A	850.2
03L029	954.3	31-Mar-89	21 A	847.7
03L029	954.3	05-Oct-89	24 A	845.7
03L029	954.3	21-Dec-89	24 A	845.5
03L029	954.3	11-Jan-90	25 A	957.0
03L029	954.3	16-May-90	26 A	845.2
03L029	954.3	28-Feb-91	30 A	845.7
03L029	954.3	27-Sep-91	32 A	845.2
03L029	954.3	24-Mar-92	34 A	847.1
03L029	954.3	08-Oct-92	36 A	847.7
03L077	911.9	17-Nov-87	16 A	848.9
03L077	911.9	24-Nov-87	16 A	848.7
03L077	911.9	30-Nov-87	16 A	849.9
03L077	911.9	14-Dec-87	16 A	848.7
03L077	911.9	14-Dec-87	16 F	848.5
03L077	911.9	11-Jan-88	17 A	848.9
03L077	911.9	27-Jan-88	17 F	848.7
03L077	911.9	13-Apr-88	18 F	852.7
03L077	911.9	02-May-88	18 A	849.1
03L077	911.9	20-May-88	18 A	848.5
03L077	911.9	23-Jun-88	18 A	847.1
03L077	911.9	27-Jul-88	19 A	847.4
03L077	911.9	30-Aug-88	19 F	845.2
03L077	911.9	01-Sep-88	19 A	846.5
03L077	911.9	21-Sep-88	19 A	846.2
03L077	911.9	14-Oct-88	20 A	845.6
03L077	911.9	23-Nov-88	20 F	847.4
03L077	911.9	02-Dec-88	20 A	847.6
03L077	911.9	13-Jan-89	21 A	847.4
03L077	911.9	31-Mar-89	21 A	843.9
03L077	911.9	05-Aug-89	23 F	840.7
03L077	911.9	05-Oct-89	24 A	840.3
03L077	911.9	02-Nov-89	24 F	840.1
03L077	911.9	21-Dec-89	24 A	839.7
03L077	911.9	11-Jan-90	25 A	839.7
03L077	911.9	16-May-90	26 A	839.8
03L077	911.9	28-Feb-91	30 A	840.3
03L077	911.9	27-Sep-91	32 A	839.8
03L077	911.9	24-Mar-92	34 A	841.8
03L077	911.9	08-Oct-92	36 A	842.0
03L078	927.4	17-Nov-87	16 A	850.5
03L078	927.4	24-Nov-87	16 A	850.3

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L078	927.4	30-Nov-87	16 A	850.4
03L078	927.4	14-Dec-87	16 A	850.2
03L078	927.4	14-Dec-87	16 F	850.3
03L078	927.4	11-Jan-88	17 A	850.7
03L078	927.4	27-Jan-88	17 F	850.6
03L078	927.4	13-Apr-88	18 F	853.5
03L078	927.4	02-May-88	18 A	850.9
03L078	927.4	20-May-88	18 A	850.3
03L078	927.4	23-Jun-88	18 A	849.6
03L078	927.4	27-Jul-88	19 A	848.2
03L078	927.4	30-Aug-88	19 F	847.4
03L078	927.4	01-Sep-88	19 A	848.1
03L078	927.4	21-Sep-88	19 A	847.9
03L078	927.4	14-Oct-88	20 A	847.0
03L078	927.4	23-Nov-88	20 F	848.9
03L078	927.4	02-Dec-88	20 A	848.9
03L078	927.4	13-Jan-89	21 A	848.0
03L078	927.4	31-Mar-89	21 A	844.6
03L078	927.4	05-Aug-89	23 F	843.1
03L078	927.4	05-Oct-89	24 A	842.8
03L078	927.4	02-Nov-89	24 F	842.5
03L078	927.4	21-Dec-89	24 A	842.2
03L078	927.4	11-Jan-90	25 A	841.9
03L078	927.4	16-May-90	26 A	841.8
03L078	927.4	28-Feb-91	30 A	842.3
03L078	927.4	27-Sep-91	32 A	841.9
03L078	927.4	24-Mar-92	34 A	843.8
03L078	911.9	08-Oct-92	36 A	828.8
03L079	923.3	17-Nov-87	16 A	850.6
03L079	923.3	24-Nov-87	16 A	851.3
03L079	923.3	30-Nov-87	16 A	850.6
03L079	923.3	14-Dec-87	16 A	850.4
03L079	923.3	14-Dec-87	16 F	850.0
03L079	923.3	11-Jan-88	17 A	850.7
03L079	923.3	27-Jan-88	17 F	850.1
03L079	923.3	14-Apr-88	18 F	853.2
03L079	923.3	02-May-88	18 A	851.0
03L079	923.3	20-May-88	18 A	850.5
03L079	923.3	23-Jun-88	18 A	849.8
03L079	923.3	27-Jul-88	19 A	848.3
03L079	923.3	30-Aug-88	19 F	846.9
03L079	923.3	01-Sep-88	19 A	847.3
03L079	923.3	21-Sep-88	19 A	848.1
03L079	923.3	14-Oct-88	20 A	846.7
03L079	923.3	23-Nov-88	20 F	848.5
03L079	923.3	02-Dec-88	20 A	849.2
03L079	923.3	13-Jan-89	21 A	847.4
03L079	923.3	31-Mar-89	21 A	844.4
03L079	923.3	05-Aug-89	23 F	842.6
03L079	923.3	05-Oct-89	24 A	842.6
03L079	923.3	02-Nov-89	24 F	841.7
03L079	923.3	21-Dec-89	24 A	843.1
03L079	923.3	11-Jan-90	25 A	841.8
03L079	923.3	16-May-90	26 A	841.8
03L079	923.3	28-Feb-91	30 A	842.2
03L079	923.3	27-Sep-91	32 A	841.8
03L079	923.3	24-Mar-92	34 A	843.5
03L079	923.3	08-Oct-92	36 A	844.3
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	36 A	850.5
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	853.0
03L084	898.2	14-Dec-87	16 F	850.2
03L084	898.2	26-Jan-88	17 F	850.1
03L084	898.2	14-Apr-88	18 F	851.6
03L084	898.2	02-May-88	18 A	850.6
03L084	898.2	20-May-88	18 A	850.0
03L084	898.2	23-Jun-88	18 A	848.3
03L084	898.2	27-Jul-88	19 A	846.9
03L084	898.2	30-Aug-88	19 F	847.5
03L084	898.2	01-Sep-88	19 A	846.5
03L084	898.2	21-Sep-88	19 A	846.4
03L084	898.2	14-Oct-88	20 A	846.5
03L084	898.2	23-Nov-88	20 F	847.1
03L084	898.2	02-Dec-88	20 A	847.6
03L084	898.2	31-Mar-89	21 A	844.1
03L084	898.2	05-Aug-89	23 F	842.0
03L084	898.2	05-Oct-89	24 A	842.1
03L084	898.2	02-Nov-89	24 F	842.0
03L084	898.2	21-Dec-89	24 A	841.6
03L084	898.2	11-Jan-90	25 A	841.7
03L084	898.2	16-May-90	26 A	841.8
03L084	898.2	28-Feb-91	30 A	842.4
03L084	898.2	27-Sep-91	32 A	841.8
03L084	898.2	24-Mar-92	34 A	843.7
03L084	898.2	08-Oct-92	36 A	844.0
03L086	961.0	14-Dec-87	16 F	857.7
03L086	961.0	26-Jan-88	17 F	857.8
03L086	961.0	14-Apr-88	18 F	858.1
03L086	961.0	30-Aug-88	19 F	853.9
03L086	961.0	23-Nov-88	20 F	853.6
03L086	961.0	05-Aug-89	23 F	851.5
03L086	961.0	04-Nov-89	24 F	850.9
03L086	961.0	03-May-90	26 F	851.5
03L086	961.0	19-Jul-90	27 F	851.5
03L086	961.0	01-Apr-91	30 F	850.7
03L086	961.0	11-Mar-92	34 F	852.9
03L091	1007.0	14-Dec-87	16 F	857.8
03L091	1007.0	26-Jan-88	17 F	858.0
03L091	1007.0	14-Apr-88	18 F	857.9
03L091	1007.0	30-Aug-88	19 F	853.6
03L091	1007.0	23-Nov-88	20 F	853.4
03L091	1007.0	05-Aug-89	23 F	851.8
03L091	1007.0	02-Nov-89	24 F	851.0
03L091	1007.0	01-May-90	26 F	850.9
03L091	1007.0	26-Mar-91	30 F	851.6
03L091	1007.0	12-Mar-92	34 F	853.5
03L113	974.8	14-Dec-87	16 F	858.2
03L113	974.8	27-Jan-88	17 F	858.4
03L113	974.8	14-Apr-88	18 F	858.3
03L113	974.8	02-May-88	18 A	861.0
03L113	974.8	20-May-88	18 A	860.6
03L113	974.8	30-Aug-88	19 F	855.0
03L113	974.8	01-Sep-88	19 A	856.7
03L113	974.8	21-Sep-88	19 A	856.5
03L113	974.8	23-Nov-88	20 F	853.8
03L113	974.8	13-Jan-89	21 A	856.7
03L113	974.8	31-Mar-89	21 A	856.7
03L113	974.8	05-Aug-89	23 F	852.7
03L113	974.8	05-Oct-89	24 A	854.2
03L113	974.8	02-Nov-89	24 F	851.4
03L113	974.8	21-Dec-89	24 A	854.1
03L113	974.8	11-Jan-90	25 A	854.0
03L113	974.8	26-Apr-90	26 F	851.0
03L113	974.8	16-May-90	26 A	853.9
03L113	974.8	19-Jul-90	27 F	851.2
03L113	974.8	28-Feb-91	30 A	854.7
03L113	974.8	28-Mar-91	30 F	851.9
03L113	974.8	27-Sep-91	32 A	854.5
03L113	974.8	13-Mar-92	34 F	854.0
03L113	974.8	24-Mar-92	34 A	856.5
03L113	974.8	08-Oct-92	36 A	856.6
03L137	972.6	02-Nov-89	24 F	850.9
03L137	972.6	24-Apr-90	26 F	850.8
03L137	972.6	18-Jul-90	27 F	850.7
03L137	972.6	19-Sep-90	28 F	850.6
03L137	972.6	27-Mar-91	30 F	851.4
03L137	972.6	04-Jun-91	31 F	851.4
03L137	972.6	04-Sep-91	32 F	851.0
03L137	972.6	12-Mar-92	34 F	853.3
03L137	972.6	03-Jun-92	35 F	853.9
03L137	972.6	03-Sep-92	36 F	853.2
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L138	965.6	03-Jun-92	35 F	853.3
03L138	965.6	04-Sep-92	36 F	852.6
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	879.1	17-Nov-87	16 A	845.3
03L673	879.1	24-Nov-87	16 A	845.0
03L673	879.1	30-Nov-87	16 A	845.3
03L673	879.1	14-Dec-87	16 A	844.8
03L673	879.1	14-Dec-87	16 F	826.8
03L673	879.1	11-Jan-88	17 A	845.0
03L673	879.1	27-Jan-88	17 F	827.0
03L673	879.1	13-Apr-88	18 F	828.4
03L673	879.1	02-May-88	18 A	845.3
03L673	879.1	20-May-88	18 A	844.9
03L673	879.1	23-Jun-88	18 A	843.4
03L673	879.1	27-Jul-88	19 A	842.5
03L673	879.1	30-Aug-88	19 F	823.7
03L673	879.1	01-Sep-88	19 A	841.6
03L673	879.1	21-Sep-88	19 A	841.3
03L673	879.1	14-Oct-88	20 A	841.6
03L673	879.1	23-Nov-88	20 F	824.3
03L673	879.1	02-Dec-88	20 A	842.0
03L673	879.1	13-Jan-89	21 A	842.3
03L673	879.1	31-Mar-89	21 A	840.4
03L673	879.1	07-Jul-89	23 A	838.6
03L673	879.1	03-Aug-89	23 F	820.7
03L673	879.1	05-Oct-89	24 A	838.3
03L673	879.1	03-Nov-89	24 F	820.0
03L673	879.1	21-Dec-89	24 A	837.7
03L673	879.1	11-Jan-90	25 A	837.9
03L673	879.1	16-May-90	26 A	837.9
03L673	879.1	16-Jul-90	27 A	837.5
03L673	879.1	28-Feb-91	30 A	837.9
03L673	879.1	03-Jun-91	31 A	837.7
03L673	879.1	03-Sep-91	32 A	837.0
03L673	879.1	27-Sep-91	32 A	837.3
03L673	879.1	06-Dec-91	33 A	838.5
03L673	879.1	24-Mar-92	34 A	838.6
03L673	879.1	01-Jun-92	35 A	839.5
03L673	879.1	01-Sep-92	36 A	838.9
03L673	879.1	08-Oct-92	36 A	839.7
03L802	905.8	17-Nov-87	16 A	851.0
03L802	905.8	24-Nov-87	16 A	851.5
03L802	905.8	30-Nov-87	16 A	851.0
03L802	905.8	14-Dec-87	16 A	850.2
03L802	905.8	14-Dec-87	16 F	853.5
03L802	905.8	11-Jan-88	17 A	851.4
03L802	905.8	26-Jan-88	17 F	851.7
03L802	905.8	13-Apr-88	18 F	854.0
03L802	905.8	02-May-88	18 A	850.8
03L802	905.8	20-May-88	18 A	850.2
03L802	905.8	23-Jun-88	18 A	849.4
03L802	905.8	27-Jul-88	19 A	848.7
03L802	905.8	30-Aug-88	19 F	848.6
03L802	905.8	01-Sep-88	19 A	847.0
03L802	905.8	21-Sep-88	19 A	846.6
03L802	905.8	14-Oct-88	20 A	847.1
03L802	905.8	23-Nov-88	20 F	848.3
03L802	905.8	02-Dec-88	20 A	848.1
03L802	905.8	13-Jan-89	21 A	847.2
03L802	905.8	31-Mar-89	21 A	844.9
03L802	905.8	07-Jul-89	23 A	842.9
03L802	905.8	03-Aug-89	23 F	843.1
03L802	905.8	05-Oct-89	24 A	842.2
03L802	905.8	03-Nov-89	24 F	842.0
03L802	905.8	21-Dec-89	24 A	842.3
03L802	905.8	11-Jan-90	25 A	841.9
03L802	905.8	16-May-90	26 A	841.7
03L802	905.8	16-Jul-90	27 A	841.3
03L802	905.8	28-Feb-91	30 A	842.0
03L802	905.8	03-Jun-91	31 A	841.7
03L802	905.8	03-Sep-91	32 A	841.3
03L802	905.8	27-Sep-91	32 A	841.4
03L802	905.8	06-Dec-91	33 A	842.7
03L802	905.8	24-Mar-92	34 A	843.3
03L802	905.8	01-Jun-92	35 A	843.9
03L802	905.8	01-Sep-92	36 A	843.6
03L802	905.8	08-Oct-92	36 A	844.0
03L806	909.5	17-Nov-87	16 A	848.3
03L806	909.5	24-Nov-87	16 A	848.8
03L806	909.5	30-Nov-87	16 A	848.2
03L806	909.5	14-Dec-87	16 A	848.2
03L806	909.5	14-Dec-87	16 F	848.0
03L806	909.5	11-Jan-88	17 A	849.0
03L806	909.5	27-Jan-88	17 F	847.9
03L806	909.5	13-Apr-88	18 F	850.4
03L806	909.5	02-May-88	18 A	848.3
03L806	909.5	20-May-88	18 A	847.7
03L806	909.5	23-Jun-88	18 A	846.2
03L806	909.5	27-Jul-88	19 A	845.9
03L806	909.5	30-Aug-88	19 F	844.6
03L806	909.5	01-Sep-88	19 A	845.1
03L806	909.5	21-Sep-88	19 A	844.3
03L806	909.5	14-Oct-88	20 A	844.9
03L806	909.5	23-Nov-88	20 F	846.2
03L806	909.5	02-Dec-88	20 A	846.0
03L806	909.5	13-Jan-89	21 A	845.9
03L806	909.5	31-Mar-89	21 A	842.0
03L806	909.5	07-Jul-89	23 A	840.2

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L806	909.5	03-Aug-89	23 F	840.4
03L806	909.5	05-Oct-89	24 A	839.8
03L806	909.5	03-Nov-89	24 F	840.0
03L806	909.5	21-Dec-89	24 A	839.3
03L806	909.5	11-Jan-90	25 A	839.5
03L806	909.5	16-May-90	26 A	839.6
03L806	909.5	16-Jul-90	27 A	839.2
03L806	909.5	28-Feb-91	30 A	839.9
03L806	909.5	03-Jun-91	31 A	839.7
03L806	909.5	03-Sep-91	32 A	838.9
03L806	909.5	27-Sep-91	32 A	839.3
03L806	909.5	06-Dec-91	33 A	840.6
03L806	909.5	24-Mar-92	34 A	841.3
03L806	909.5	01-Jun-92	35 A	841.3
03L806	909.5	01-Sep-92	36 A	840.9
03L806	909.5	08-Oct-92	36 A	841.5
03L809	910.6	17-Nov-87	16 A	847.5
03L809	910.6	24-Nov-87	16 A	847.4
03L809	910.6	30-Nov-87	16 A	847.4
03L809	910.6	14-Dec-87	16 A	847.1
03L809	910.6	11-Jan-88	17 A	848.1
03L809	910.6	26-Jan-88	17 F	847.2
03L809	910.6	13-Apr-88	18 F	848.9
03L809	910.6	02-May-88	18 A	847.4
03L809	910.6	20-May-88	18 A	846.8
03L809	910.6	23-Jun-88	18 A	845.1
03L809	910.6	27-Jul-88	19 A	844.4
03L809	910.6	30-Aug-88	19 F	843.5
03L809	910.6	01-Sep-88	19 A	843.9
03L809	910.6	21-Sep-88	19 A	843.3
03L809	910.6	14-Oct-88	20 A	843.8
03L809	910.6	23-Nov-88	20 F	844.9
03L809	910.6	02-Dec-88	20 A	844.6
03L809	910.6	13-Jan-89	21 A	844.6
03L809	910.6	31-Mar-89	21 A	841.6
03L809	910.6	10-May-89	22 F	839.6
03L809	910.6	04-Aug-89	23 F	839.8
03L809	910.6	05-Oct-89	24 A	839.2
03L809	910.6	03-Nov-89	24 F	839.3
03L809	910.6	21-Dec-89	24 A	839.0
03L809	910.6	11-Jan-90	25 A	839.2
03L809	910.6	24-Apr-90	26 F	838.2
03L809	910.6	16-May-90	26 A	839.3
03L809	910.6	20-Jul-90	27 F	838.9
03L809	910.6	17-Sep-90	28 F	838.4
03L809	910.6	28-Feb-91	30 A	839.5
03L809	910.6	21-Mar-91	30 F	839.5
03L809	910.6	03-Sep-91	32 A	839.5
03L809	910.6	27-Sep-91	32 A	838.9
03L809	910.6	19-Mar-92	34 F	840.9
03L809	910.6	24-Mar-92	34 A	840.8
03L809	910.6	08-Oct-92	36 A	841.0

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L811	908.2	14-Dec-87	16 F	846.2
03L811	908.2	27-Jan-88	17 F	846.2
03L811	908.2	13-Apr-88	18 F	847.5
03L811	908.2	30-Aug-88	19 F	842.4
03L811	908.2	23-Nov-88	20 F	843.8
03L811	908.2	04-May-89	22 F	838.9
03L811	908.2	04-Aug-89	23 F	839.1
03L811	908.2	03-Nov-89	24 F	838.7
03L811	908.2	26-Apr-90	26 F	838.9
03L811	908.2	20-Mar-91	30 F	839.2
03L811	908.2	20-Mar-92	34 F	840.4
03L813	869.9	14-Dec-87	16 F	843.6
03L813	869.9	27-Jan-88	17 F	843.7
03L813	869.9	13-Apr-88	18 F	844.6
03L813	869.9	30-Aug-88	19 F	839.6
03L813	869.9	23-Nov-88	20 F	841.1
03L813	869.9	05-May-89	22 F	835.0
03L813	869.9	04-Aug-89	23 F	837.0
03L813	869.9	03-Nov-89	24 F	836.8
03L813	869.9	03-May-90	26 F	837.4
03L813	869.9	01-Apr-91	30 F	836.8
03L813	869.9	25-Mar-92	34 F	838.9
03L822	876.5	14-Dec-87	16 F	837.2
03L822	876.5	26-Jan-88	17 F	837.3
03L822	876.5	13-Apr-88	18 F	837.9
03L822	876.5	30-Aug-88	19 F	833.3
03L822	876.5	23-Nov-88	20 F	834.6
03L822	876.5	05-May-89	22 F	831.4
03L822	876.5	04-Aug-89	23 F	830.6
03L822	876.5	03-Nov-89	24 F	831.0
03L822	876.5	25-Apr-90	26 F	831.3
03L822	876.5	21-Mar-91	30 F	830.9
03L822	876.5	23-Mar-92	34 F	832.6
03L832	884.2	14-Dec-87	16 F	836.1
03L832	884.2	26-Jan-88	17 F	836.3
03L832	884.2	13-Apr-88	18 F	836.6
03L832	884.2	30-Aug-88	19 F	831.8
03L832	884.2	23-Nov-88	20 F	833.3
03L832	884.2	09-May-89	22 F	830.3
03L832	884.2	04-Aug-89	23 F	829.3
03L832	884.2	03-Nov-89	24 F	829.9
03L832	884.2	25-Apr-90	26 F	830.2
03L832	884.2	20-Mar-91	30 F	829.6
03L832	884.2	24-Mar-92	34 F	832.1
03L841	910.9	14-Dec-87	16 F	844.3
03L841	910.9	26-Jan-88	17 F	844.4
03L841	910.9	13-Apr-88	18 F	847.3
03L841	910.9	30-Aug-88	19 F	841.0

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L841	910.9	23-Nov-88	20 F	841.8
03L841	910.9	07-Aug-89	23 F	837.5
03L841	910.9	03-Nov-89	24 F	837.3
03L841	910.9	16-May-90	26 A	837.4
03L841	910.9	28-Feb-91	30 A	837.4
03L841	910.9	20-Mar-91	30 F	837.3
03L841	910.9	03-Sep-91	32 A	837.4
03L841	910.9	27-Sep-91	32 A	836.7
03L841	910.9	19-Mar-92	34 F	839.1
03L841	910.9	24-Mar-92	34 A	838.6
03L841	910.9	08-Oct-92	36 A	839.0
03L846	887.4	30-Aug-88	19 F	829.7
03L846	887.4	23-Nov-88	20 F	832.7
03L846	887.4	03-May-89	22 F	829.6
03L846	887.4	07-Aug-89	23 F	827.8
03L846	887.4	02-Nov-89	24 F	827.8
03L846	887.0	19-Apr-90	26 F	827.5
03L846	887.0	18-Mar-91	30 F	827.1
03L846	887.0	25-Mar-92	34 F	829.0
03L848	903.1	14-Dec-87	16 F	844.8
03L848	903.1	26-Jan-88	17 F	845.0
03L848	903.1	13-Apr-88	18 F	846.1
03L848	903.1	30-Aug-88	19 F	841.7
03L848	903.1	23-Nov-88	20 F	842.2
03L848	903.1	03-May-89	22 F	838.4
03L848	903.1	06-Aug-89	23 F	829.7
03L848	903.1	03-Nov-89	24 F	838.2
03L848	903.1	19-Apr-90	26 F	838.1
03L848	903.1	19-Jul-90	27 F	837.8
03L848	903.1	17-Sep-90	28 F	837.7
03L848	903.1	18-Mar-91	30 F	837.9
03L848	903.1	18-Mar-92	34 F	840.0
03L853	889.0	14-Dec-87	16 F	838.1
03L853	889.0	26-Jan-88	17 F	838.3
03L853	889.0	13-Apr-88	18 F	838.9
03L853	889.0	30-Aug-88	19 F	834.3
03L853	889.0	23-Nov-88	20 F	835.6
03L853	889.0	05-May-89	22 F	831.1
03L853	889.0	06-Aug-89	23 F	831.5
03L853	889.0	03-Nov-89	24 F	831.8
03L853	889.0	19-Apr-90	26 F	832.2
03L853	889.0	20-Jul-90	27 F	831.1
03L853	889.0	21-Mar-91	30 F	831.7
03L853	889.0	20-Mar-92	34 F	833.8
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
03L856	872.9	14-Dec-87	16 F	842.0
03L856	872.9	26-Jan-88	17 F	842.1
03L856	872.9	13-Apr-88	18 F	842.9
03L856	872.9	30-Aug-88	19 F	837.9
03L856	872.9	23-Nov-88	20 F	838.5
03L856	872.9	05-May-89	22 F	836.0
03L856	872.9	06-Aug-89	23 F	834.9
03L856	872.9	03-Nov-89	24 F	835.4
03L856	872.9	27-Apr-90	26 F	840.0
03L856	872.9	21-Mar-91	30 F	835.9
03L856	872.9	20-Mar-92	34 F	837.7
03L858	996.1	14-Dec-87	16 F	898.6
03L858	996.1	26-Jan-88	17 F	898.6
03L858	996.1	13-Apr-88	18 F	898.6
03L858	996.1	30-Aug-88	19 F	898.2
03L858	996.1	05-May-89	22 F	895.8
03L858	996.1	06-Aug-89	23 F	895.7
03L858	996.1	03-Nov-89	24 F	895.7
03L858	996.1	17-Apr-90	26 F	896.1
03L858	996.1	25-Mar-91	30 F	895.7
03L858	996.1	25-Mar-92	34 F	895.7
03L859	900.8	14-Dec-87	16 F	840.6
03L859	900.8	26-Jan-88	17 F	840.9
03L859	900.8	13-Apr-88	18 F	841.8
03L859	900.8	30-Aug-88	19 F	837.4
03L859	900.8	23-Nov-88	20 F	838.1
03L859	900.8	06-Aug-89	23 F	836.6
03L859	900.8	03-Nov-89	24 F	834.4
03L859	900.8	30-Apr-90	26 F	834.1
03L859	900.8	20-Mar-91	30 F	814.2
03L859	900.8	20-Mar-92	34 F	836.1
03L860	894.1	14-Dec-87	16 F	840.5
03L860	894.1	26-Jan-88	17 F	840.4
03L860	894.1	13-Apr-88	18 F	841.4
03L860	894.1	30-Aug-88	19 F	837.1
03L860	894.1	23-Nov-88	20 F	838.0
03L860	894.1	06-Aug-89	23 F	835.7
03L860	894.1	03-Nov-89	24 F	834.3
03L860	894.1	19-Apr-90	26 F	834.3
03L860	894.1	20-Mar-91	30 F	834.3
03L860	894.1	16-Mar-92	34 F	836.0
03L861	888.6	14-Dec-87	16 F	838.6
03L861	888.6	26-Jan-88	17 F	838.9

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L861	888.6	13-Apr-88	18 F	839.6
03L861	888.6	30-Aug-88	19 F	835.0
03L861	888.6	23-Nov-88	20 F	835.3
03L861	888.6	06-Aug-89	23 F	833.1
03L861	888.6	30-Apr-90	26 F	832.3
03L861	888.6	25-Mar-91	30 F	832.2
03L861	888.6	23-Mar-92	34 F	834.3
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	36 A	843.6
03M002	919.3	17-Nov-87	16 A	850.7
03M002	919.3	24-Nov-87	16 A	850.4
03M002	919.3	14-Dec-87	16 A	850.4
03M002	919.3	14-Dec-87	16 F	850.3
03M002	919.3	11-Jan-88	17 A	850.7
03M002	919.3	27-Jan-88	17 F	850.5
03M002	919.3	13-Apr-88	18 F	853.1
03M002	919.3	02-May-88	18 A	851.0

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M002	919.3	20-May-88	18 A	850.5
03M002	919.3	23-Jun-88	18 A	849.5
03M002	919.3	27-Jul-88	19 A	848.4
03M002	919.3	30-Aug-88	19 F	847.9
03M002	919.3	01-Sep-88	19 A	847.9
03M002	919.3	21-Sep-88	19 A	847.6
03M002	919.3	14-Oct-88	20 A	847.1
03M002	919.3	23-Nov-88	20 F	848.5
03M002	919.3	02-Dec-88	20 A	848.7
03M002	919.3	13-Jan-89	21 A	848.2
03M002	919.3	31-Mar-89	21 A	844.6
03M002	919.3	07-Jul-89	23 A	843.1
03M002	919.3	05-Aug-89	23 F	842.9
03M002	919.3	05-Oct-89	24 A	842.7
03M002	919.3	02-Nov-89	24 F	842.4
03M002	919.3	21-Dec-89	24 A	842.0
03M002	919.3	11-Jan-90	25 A	841.9
03M002	919.3	16-May-90	26 A	842.0
03M002	919.3	16-Jul-90	27 A	841.8
03M002	919.3	28-Feb-91	30 A	842.4
03M002	919.3	03-Jun-91	31 A	842.3
03M002	919.3	03-Sep-91	32 A	841.8
03M002	919.3	27-Sep-91	32 A	842.0
03M002	919.3	06-Dec-91	33 A	843.2
03M002	919.3	24-Mar-92	34 A	843.9
03M002	919.3	01-Jun-92	35 A	844.3
03M002	919.3	01-Sep-92	36 A	843.8
03M002	919.3	08-Oct-92	36 A	844.2
03M003	942.6	17-Nov-87	16 A	852.8
03M003	942.6	14-Dec-87	16 A	852.5
03M003	942.6	14-Dec-87	16 F	852.4
03M003	942.6	11-Jan-88	17 A	852.4
03M003	942.6	26-Jan-88	17 F	852.5
03M003	942.6	14-Apr-88	18 F	854.3
03M003	942.6	02-May-88	18 A	853.4
03M003	942.6	20-May-88	18 A	852.8
03M003	942.6	23-Jun-88	18 A	852.2
03M003	942.6	27-Jul-88	19 A	850.8
03M003	942.6	30-Aug-88	19 F	849.7
03M003	942.6	01-Sep-88	19 A	849.4
03M003	942.6	21-Sep-88	19 A	849.2
03M003	942.6	14-Oct-88	20 A	848.8
03M003	942.6	23-Nov-88	20 F	849.5
03M003	942.6	02-Dec-88	20 A	849.9
03M003	942.6	13-Jan-89	21 A	849.6
03M003	942.6	31-Mar-89	21 A	846.4
03M003	942.6	07-Jul-89	23 A	845.0
03M003	942.6	05-Aug-89	23 F	845.2
03M003	942.6	05-Oct-89	24 A	844.4
03M003	942.6	02-Nov-89	24 F	843.7
03M003	942.6	21-Dec-89	24 A	844.4
03M003	942.6	11-Jan-90	25 A	843.9

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M003	942.6	16-May-90	26 A	844.0
03M003	942.6	16-Jul-90	27 A	843.6
03M003	942.6	28-Feb-91	30 A	844.4
03M003	942.6	03-Jun-91	31 A	844.1
03M003	942.6	03-Sep-91	32 A	843.6
03M003	942.6	27-Sep-91	32 A	843.8
03M003	942.6	06-Dec-91	33 A	845.0
03M003	942.6	24-Mar-92	34 A	845.6
03M003	942.6	01-Jun-92	35 A	846.5
03M003	942.6	01-Sep-92	36 A	846.2
03M003	942.6	08-Oct-92	36 A	846.5
03M004	950.8	17-Nov-87	16 A	855.7
03M004	950.8	24-Nov-87	16 A	855.4
03M004	950.8	30-Nov-87	16 A	855.6
03M004	950.8	14-Dec-87	16 F	855.4
03M004	950.8	11-Jan-88	17 A	855.8
03M004	950.8	27-Jan-88	17 F	855.6
03M004	950.8	14-Apr-88	18 F	856.3
03M004	950.8	02-May-88	18 A	856.0
03M004	950.8	20-May-88	18 A	855.5
03M004	950.8	23-Jun-88	18 A	854.5
03M004	950.8	27-Jul-88	19 A	853.1
03M004	950.8	30-Aug-88	19 F	852.2
03M004	950.8	01-Sep-88	19 A	852.0
03M004	950.8	21-Sep-88	19 A	851.7
03M004	950.8	14-Oct-88	20 A	851.6
03M004	950.8	23-Nov-88	20 F	851.7
03M004	950.8	02-Dec-88	20 A	851.9
03M004	950.8	13-Jan-89	21 A	852.2
03M004	950.8	31-Mar-89	21 A	850.7
03M004	950.8	05-Aug-89	23 F	850.2
03M004	950.8	05-Oct-89	24 A	848.5
03M004	950.8	04-Nov-89	24 F	848.4
03M004	950.8	21-Dec-89	24 A	848.2
03M004	950.8	11-Jan-90	25 A	848.0
03M004	950.8	16-May-90	26 A	847.9
03M004	950.8	28-Feb-91	30 A	848.4
03M004	950.8	27-Sep-91	32 A	847.9
03M004	950.8	24-Mar-92	34 A	849.9
03M004	950.8	08-Oct-92	36 A	850.5
03M005	971.6	14-Dec-87	16 F	856.7
03M005	971.6	26-Jan-88	17 F	856.8
03M005	971.6	14-Apr-88	18 F	857.1
03M005	971.6	02-May-88	18 A	857.7
03M005	971.6	20-May-88	18 A	857.3
03M005	971.6	23-Jun-88	18 A	856.5
03M005	971.6	27-Jul-88	19 A	854.5
03M005	971.6	30-Aug-88	19 F	853.2
03M005	971.6	01-Sep-88	19 A	853.6
03M005	971.6	21-Sep-88	19 A	853.3
03M005	971.6	14-Oct-88	20 A	853.8

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M005	971.6	23-Nov-88	20 F	852.6
03M005	971.6	02-Dec-88	20 A	853.0
03M005	971.6	13-Jan-89	21 A	853.5
03M005	971.6	31-Mar-89	21 A	853.2
03M005	971.6	05-Aug-89	23 F	850.5
03M005	971.6	05-Oct-89	24 A	851.3
03M005	971.6	02-Nov-89	24 F	849.9
03M005	971.6	21-Dec-89	24 A	850.8
03M005	971.6	11-Jan-90	25 A	850.7
03M005	971.6	24-Apr-90	26 F	850.4
03M005	971.6	16-May-90	26 A	850.5
03M005	971.6	28-Feb-91	30 A	850.6
03M005	971.6	29-Mar-91	30 F	849.3
03M005	971.6	27-Sep-91	32 A	850.0
03M005	971.6	17-Mar-92	34 F	851.6
03M005	971.6	24-Mar-92	34 A	852.0
03M005	971.6	08-Oct-92	36 A	852.9
03M007	900.8	24-Nov-87	16 A	859.4
03M007	900.8	14-Dec-87	16 A	859.6
03M007	900.8	14-Dec-87	16 F	859.7
03M007	900.8	11-Jan-88	17 A	860.1
03M007	900.8	13-Apr-88	18 F	860.3
03M007	900.8	02-May-88	18 A	859.7
03M007	900.8	20-May-88	18 A	859.4
03M007	900.8	23-Jun-88	18 A	857.0
03M007	900.8	27-Jul-88	19 A	855.5
03M007	900.8	30-Aug-88	19 F	855.2
03M007	900.8	01-Sep-88	19 A	855.1
03M007	900.8	21-Sep-88	19 A	854.8
03M007	900.8	14-Oct-88	20 A	855.2
03M007	900.8	23-Nov-88	20 F	855.6
03M007	900.8	02-Dec-88	20 A	855.7
03M007	900.8	13-Jan-89	21 A	856.0
03M007	900.8	31-Mar-89	21 A	855.5
03M007	900.8	05-Aug-89	23 F	853.0
03M007	900.8	05-Oct-89	24 A	852.8
03M007	900.8	02-Nov-89	24 F	852.9
03M007	900.8	21-Dec-89	24 A	852.9
03M007	900.8	11-Jan-90	25 A	852.8
03M007	900.8	23-Apr-90	26 F	852.4
03M007	900.8	16-May-90	26 A	852.5
03M007	900.8	16-Jul-90	27 A	852.4
03M007	900.8	19-Jul-90	27 F	852.5
03M007	900.8	28-Feb-91	30 A	853.4
03M007	900.8	28-Mar-91	30 F	853.0
03M007	900.8	03-Jun-91	31 A	853.1
03M007	900.8	03-Sep-91	32 A	852.5
03M007	900.8	27-Sep-91	32 A	852.9
03M007	900.8	06-Dec-91	33 A	854.6
03M007	900.8	10-Mar-92	34 F	855.2
03M007	900.8	24-Mar-92	34 A	855.2
03M007	900.8	01-Jun-92	35 A	855.3

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M007	900.8	01-Sep-92	36 A	854.9
03M007	900.8	08-Oct-92	36 A	855.6
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	36 A	863.2
03M012	880.1	17-Nov-87	16 A	859.8
03M012	880.1	24-Nov-87	16 A	859.6
03M012	880.1	14-Dec-87	16 A	859.9
03M012	880.1	11-Jan-88	17 A	860.2
03M012	880.1	27-Jan-88	17 F	860.0
03M012	880.1	13-Apr-88	18 F	859.8
03M012	880.1	02-May-88	18 A	859.4
03M012	880.1	20-May-88	18 A	858.9
03M012	880.1	23-Jun-88	18 A	854.7
03M012	880.1	27-Jul-88	19 A	853.6
03M012	880.1	30-Aug-88	19 F	854.4
03M012	880.1	01-Sep-88	19 A	854.4
03M012	880.1	21-Sep-88	19 A	854.6
03M012	880.1	14-Oct-88	20 A	855.3
03M012	880.1	23-Nov-88	20 F	855.8
03M012	880.1	02-Dec-88	20 A	855.9
03M012	880.1	13-Jan-89	21 A	856.3
03M012	880.1	31-Mar-89	21 A	856.6
03M012	880.1	06-Aug-89	23 F	852.8
03M012	880.1	05-Oct-89	24 A	853.2
03M012	880.1	02-Nov-89	24 F	853.5

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M012	880.1	21-Dec-89	24 A	853.9
03M012	880.1	11-Jan-90	25 A	854.1
03M012	880.1	16-May-90	26 A	853.7
03M012	880.1	16-Jul-90	27 A	853.7
03M012	880.1	28-Feb-91	30 A	855.0
03M012	880.1	03-Jun-91	31 A	855.2
03M012	880.1	03-Sep-91	32 A	853.9
03M012	880.1	27-Sep-91	32 A	855.0
03M012	880.1	06-Dec-91	33 A	856.3
03M012	880.1	24-Mar-92	34 A	856.9
03M012	880.1	01-Jun-92	35 A	856.3
03M012	880.1	01-Sep-92	36 A	855.3
03M012	880.1	08-Oct-92	36 A	856.3
03M013	889.9	17-Nov-87	16 A	852.8
03M013	889.9	24-Nov-87	16 A	852.4
03M013	889.9	14-Dec-87	16 A	852.6
03M013	889.9	11-Jan-88	17 A	852.9
03M013	889.9	27-Jan-88	17 F	852.6
03M013	889.9	13-Apr-88	18 F	852.7
03M013	889.9	02-May-88	18 A	852.5
03M013	889.9	20-May-88	18 A	851.9
03M013	889.9	23-Jun-88	18 A	849.1
03M013	889.9	27-Jul-88	19 A	847.9
03M013	889.9	30-Aug-88	19 F	848.1
03M013	889.9	01-Sep-88	19 A	847.9
03M013	889.9	21-Sep-88	19 A	847.9
03M013	889.9	14-Oct-88	20 A	848.4
03M013	889.9	23-Nov-88	20 F	849.0
03M013	889.9	02-Dec-88	20 A	849.0
03M013	889.9	13-Jan-89	21 A	849.6
03M013	889.9	31-Mar-89	21 A	848.0
03M013	889.9	05-Aug-89	23 F	845.1
03M013	889.9	05-Oct-89	24 A	845.2
03M013	889.9	02-Nov-89	24 F	845.4
03M013	889.9	21-Dec-89	24 A	845.5
03M013	889.9	11-Jan-90	25 A	845.7
03M013	889.9	16-May-90	26 A	845.5
03M013	889.9	28-Feb-91	30 A	846.3
03M013	889.9	27-Sep-91	32 A	846.0
03M013	889.9	24-Mar-92	34 A	847.9
03M013	889.9	08-Oct-92	36 A	847.8
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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
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	36 A	848.9
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	36 A	849.0
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	895.8	02-Dec-88	20 A	846.5
03M713	895.8	13-Jan-89	21 A	846.5
03M713	895.8	31-Mar-89	21 A	842.2
03M713	895.8	07-Jul-89	23 A	840.3
03M713	895.8	05-Oct-89	24 A	840.1
03M713	895.8	21-Dec-89	24 A	839.6
03M713	895.8	11-Jan-90	25 A	839.7
03M713	895.8	16-May-90	26 A	839.9
03M713	895.8	16-Jul-90	27 A	839.7
03M713	895.8	28-Feb-91	30 A	840.4
03M713	895.8	03-Jun-91	31 A	840.1
03M713	895.8	03-Sep-91	32 A	839.2
03M713	895.8	27-Sep-91	32 A	839.7
03M713	895.8	06-Dec-91	33 A	841.0
03M713	895.8	24-Mar-92	34 A	841.5
03M713	895.8	01-Jun-92	35 A	841.5
03M713	895.8	01-Sep-92	36 A	841.1
03M713	895.8	08-Oct-92	36 A	841.8
03M802	905.8	17-Nov-87	16 A	851.1
03M802	905.8	24-Nov-87	16 A	851.4
03M802	905.8	30-Nov-87	16 A	851.1
03M802	905.8	14-Dec-87	16 A	851.6
03M802	905.8	14-Dec-87	16 F	850.1
03M802	905.8	11-Jan-88	17 A	850.5
03M802	905.8	13-Apr-88	18 F	849.7
03M802	905.8	02-May-88	18 A	851.1
03M802	905.8	20-May-88	18 A	850.4
03M802	905.8	23-Jun-88	18 A	850.1
03M802	905.8	27-Jul-88	19 A	848.7
03M802	905.8	30-Aug-88	19 F	846.8
03M802	905.8	01-Sep-88	19 A	847.4
03M802	905.8	21-Sep-88	19 A	847.1
03M802	905.8	14-Oct-88	20 A	846.9
03M802	905.8	23-Nov-88	20 F	847.7
03M802	905.8	02-Dec-88	20 A	848.4
03M802	905.8	13-Jan-89	21 A	847.4
03M802	905.8	31-Mar-89	21 A	843.7
03M802	905.8	06-Aug-89	23 F	843.5
03M802	905.8	05-Oct-89	24 A	842.5
03M802	905.8	03-Nov-89	24 F	837.2
03M802	905.8	21-Dec-89	24 A	842.4
03M802	905.8	11-Jan-90	25 A	842.0

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M802	905.8	16-May-90	26 A	841.6
03M802	905.8	16-Jul-90	27 A	841.3
03M802	905.8	28-Feb-91	30 A	842.1
03M802	905.8	03-Jun-91	31 A	841.6
03M802	905.8	03-Sep-91	32 A	841.2
03M802	905.8	27-Sep-91	32 A	841.3
03M802	905.8	06-Dec-91	33 A	842.5
03M802	905.8	24-Mar-92	34 A	843.1
03M802	905.8	01-Jun-92	35 A	843.8
03M802	905.8	01-Sep-92	36 A	843.6
03M802	905.8	08-Oct-92	36 A	843.9
03M806	909.9	17-Nov-87	16 A	848.3
03M806	909.9	24-Nov-87	16 A	848.7
03M806	909.9	30-Nov-87	16 A	848.2
03M806	909.9	14-Dec-87	16 A	848.0
03M806	909.9	14-Dec-87	16 F	848.1
03M806	909.9	11-Jan-88	17 A	849.2
03M806	909.9	27-Jan-88	17 F	848.0
03M806	909.9	13-Apr-88	18 F	850.5
03M806	909.9	02-May-88	18 A	848.4
03M806	909.9	20-May-88	18 A	847.8
03M806	909.9	23-Jun-88	18 A	846.2
03M806	909.9	27-Jul-88	19 A	846.0
03M806	909.9	30-Aug-88	19 F	844.7
03M806	909.9	01-Sep-88	19 A	845.2
03M806	909.9	21-Sep-88	19 A	844.3
03M806	909.9	14-Oct-88	20 A	844.9
03M806	909.9	23-Nov-88	20 F	846.3
03M806	909.9	02-Dec-88	20 A	846.1
03M806	909.9	13-Jan-89	21 A	846.0
03M806	909.9	31-Mar-89	21 A	842.1
03M806	909.9	06-Aug-89	23 F	840.4
03M806	909.9	05-Oct-89	24 A	839.8
03M806	909.9	03-Nov-89	24 F	840.0
03M806	909.9	21-Dec-89	24 A	839.3
03M806	909.9	11-Jan-90	25 A	839.6
03M806	909.9	16-May-90	26 A	839.6
03M806	909.9	16-Jul-90	27 A	839.2
03M806	909.9	28-Feb-91	30 A	840.0
03M806	909.9	03-Jun-91	31 A	839.6
03M806	909.9	03-Sep-91	32 A	839.0
03M806	909.9	27-Sep-91	32 A	839.3
03M806	909.9	06-Dec-91	33 A	840.6
03M806	909.9	24-Mar-92	34 A	841.4
03M806	909.9	01-Jun-92	35 A	841.4
03M806	909.9	01-Sep-92	36 A	840.9
03M806	909.9	08-Oct-92	36 A	841.5
03M843	884.5	14-Dec-87	16 F	837.9
03M843	884.5	26-Jan-88	17 F	838.1
03M843	884.5	13-Apr-88	18 F	838.7
03M843	884.5	30-Aug-88	19 F	834.1
03M843	884.5	23-Nov-88	20 F	835.4
03M843	884.5	05-May-89	22 F	831.9
03M843	884.5	06-Aug-89	23 F	831.3
03M843	884.5	03-Nov-89	24 F	831.7
03M843	884.5	25-Apr-90	26 F	832.0
03M843	884.5	21-Mar-91	30 F	831.7
03M843	884.5	04-Jun-91	31 F	831.2
03M843	884.5	04-Sep-91	32 F	829.7
03M843	884.5	20-Mar-92	34 F	833.7
03M843	884.5	03-Jun-92	35 F	833.0
03M843	884.5	03-Sep-92	36 F	832.0
03M848	903.1	14-Dec-87	16 F	845.2
03M848	903.1	26-Jan-88	17 F	844.3
03M848	903.1	13-Apr-88	18 F	845.4
03M848	903.1	30-Aug-88	19 F	841.1
03M848	903.1	23-Nov-88	20 F	841.5
03M848	903.1	06-Aug-89	23 F	838.0
03M848	903.1	03-Nov-89	24 F	837.7
03M848	903.1	19-Jul-90	27 F	837.2
03M848	903.1	17-Sep-90	28 F	836.6
03M848	903.1	18-Mar-91	30 F	837.3
03M848	903.1	04-Jun-91	31 F	836.8
03M848	903.1	04-Sep-91	32 F	835.9
03M848	903.1	18-Mar-92	34 F	839.3
03M848	903.1	03-Jun-92	35 F	839.2
03M848	903.1	03-Sep-92	36 F	838.4
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	08-Oct-92	36 A	843.5
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
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	36 A	844.9
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

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	846.6
03U004	950.5	17-Nov-87	16 A	856.1
03U004	950.5	24-Nov-87	16 A	855.9
03U004	950.5	30-Nov-87	16 A	856.0
03U004	950.5	14-Dec-87	16 A	855.8
03U004	950.5	11-Jan-88	17 A	855.9
03U004	950.5	27-Jan-88	17 F	856.0
03U004	950.5	14-Apr-88	18 F	856.6
03U004	950.5	02-May-88	18 A	856.4
03U004	950.5	20-May-88	18 A	856.0
03U004	950.5	23-Jun-88	18 A	855.0
03U004	950.5	27-Jul-88	19 A	853.6
03U004	950.5	30-Aug-88	19 F	852.7
03U004	950.5	01-Sep-88	19 A	852.4
03U004	950.5	21-Sep-88	19 A	852.2
03U004	950.5	14-Oct-88	20 A	851.9
03U004	950.5	22-Nov-88	20 F	852.0
03U004	950.5	02-Dec-88	20 A	852.2
03U004	950.5	13-Jan-89	21 A	852.5
03U004	950.5	31-Mar-89	21 A	851.2
03U004	950.5	05-Aug-89	23 F	849.8
03U004	950.5	05-Oct-89	24 A	849.0

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U004	950.5	04-Nov-89	24 F	848.9
03U004	950.5	21-Dec-89	24 A	848.7
03U004	950.5	11-Jan-90	25 A	848.5
03U004	950.5	16-May-90	26 A	848.4
03U004	950.5	28-Feb-91	30 A	848.9
03U004	950.5	27-Sep-91	32 A	848.4
03U004	950.5	24-Mar-92	34 A	850.4
03U004	950.5	08-Oct-92	36 A	851.0
03U005	970.1	30-Nov-87	16 A	857.2
03U005	970.1	14-Dec-87	16 A	857.1
03U005	970.1	14-Dec-87	16 F	857.2
03U005	970.1	11-Jan-88	17 A	857.7
03U005	970.1	26-Jan-88	17 F	857.2
03U005	970.1	14-Apr-88	18 F	857.6
03U005	970.1	02-May-88	18 A	857.4
03U005	970.1	20-May-88	18 A	857.0
03U005	970.1	23-Jun-88	18 A	855.9
03U005	970.1	27-Jul-88	19 A	854.3
03U005	970.1	30-Aug-88	19 F	853.7
03U005	970.1	01-Sep-88	19 A	853.4
03U005	970.1	21-Sep-88	19 A	853.1
03U005	970.1	14-Oct-88	20 A	853.2
03U005	970.1	22-Nov-88	20 F	853.2
03U005	970.1	02-Dec-88	20 A	852.8
03U005	970.1	13-Jan-89	21 A	853.2
03U005	970.1	31-Mar-89	21 A	852.5
03U005	970.1	05-Aug-89	23 F	851.0
03U005	970.1	05-Oct-89	24 A	850.7
03U005	970.1	03-Nov-89	24 F	850.4
03U005	970.1	21-Dec-89	24 A	850.1
03U005	970.1	11-Jan-90	25 A	850.0
03U005	970.1	24-Apr-90	26 F	850.0
03U005	970.1	16-May-90	26 A	849.8
03U005	970.1	28-Feb-91	30 A	850.3
03U005	970.1	29-Mar-91	30 F	849.8
03U005	970.1	27-Sep-91	32 A	849.9
03U005	970.1	17-Mar-92	34 F	852.0
03U005	970.1	24-Mar-92	34 A	851.3
03U005	970.1	08-Oct-92	36 A	852.7
03U006	966.6	24-Nov-87	16 A	858.1
03U006	966.6	30-Nov-87	16 A	858.6
03U006	966.6	14-Dec-87	16 A	858.3
03U006	966.6	11-Jan-88	17 A	859.0
03U006	966.6	26-Jan-88	17 F	858.5
03U006	966.6	13-Apr-88	18 F	859.1
03U006	966.6	02-May-88	18 A	858.9
03U006	966.6	20-May-88	18 A	858.5
03U006	966.6	23-Jun-88	18 A	857.4
03U006	966.6	27-Jul-88	19 A	856.1
03U006	966.6	30-Aug-88	19 F	854.9
03U006	966.6	01-Sep-88	19 A	855.0
03U006	966.6	21-Sep-88	19 A	854.3
03U006	966.6	14-Oct-88	20 A	854.6
03U006	966.6	22-Nov-88	20 F	854.4
03U006	966.6	02-Dec-88	20 A	854.4
03U006	966.6	13-Jan-89	21 A	854.7
03U006	966.6	31-Mar-89	21 A	854.0
03U006	966.6	05-Aug-89	23 F	852.7
03U006	966.6	05-Oct-89	24 A	851.8
03U006	966.6	02-Nov-89	24 F	851.5
03U006	966.6	21-Dec-89	24 A	851.5
03U006	966.6	11-Jan-90	25 A	851.3
03U006	966.6	30-Apr-90	26 F	852.9
03U006	966.6	16-May-90	26 A	851.2
03U006	966.6	28-Feb-91	30 A	851.8
03U006	966.6	28-Mar-91	30 F	850.2
03U006	966.6	27-Sep-91	32 A	851.0
03U006	966.6	10-Mar-92	34 F	853.3
03U006	966.6	24-Mar-92	34 A	853.3
03U006	966.6	08-Oct-92	36 A	854.2
03U007	900.1	24-Nov-87	16 A	859.5
03U007	900.1	30-Nov-87	16 A	860.0
03U007	900.1	14-Dec-87	16 F	859.7
03U007	900.1	11-Jan-88	17 A	860.2
03U007	900.1	26-Jan-88	17 F	859.9
03U007	900.1	13-Apr-88	18 F	860.3
03U007	900.1	02-May-88	18 A	859.8
03U007	900.1	20-May-88	18 A	859.4
03U007	900.1	23-Jun-88	18 A	857.0
03U007	900.1	27-Jul-88	19 A	855.5
03U007	900.1	30-Aug-88	19 F	855.2
03U007	900.1	01-Sep-88	19 A	855.2
03U007	900.1	21-Sep-88	19 A	854.9
03U007	900.1	14-Oct-88	20 A	855.3
03U007	900.1	22-Nov-88	20 F	855.6
03U007	900.1	02-Dec-88	20 A	855.7
03U007	900.1	13-Jan-89	21 A	856.0
03U007	900.1	31-Mar-89	21 A	855.5
03U007	900.1	07-Jul-89	23 A	853.8
03U007	900.1	05-Aug-89	23 F	853.0
03U007	900.1	05-Oct-89	24 A	852.9
03U007	900.1	02-Nov-89	24 F	852.9
03U007	900.1	21-Dec-89	24 A	853.0
03U007	900.1	11-Jan-90	25 A	852.9
03U007	900.1	23-Apr-90	26 F	852.7
03U007	900.1	16-May-90	26 A	852.6
03U007	900.1	16-Jul-90	27 A	852.4
03U007	900.1	19-Jul-90	27 F	852.5
03U007	900.1	28-Feb-91	30 A	853.5
03U007	900.1	28-Mar-91	30 F	853.0
03U007	900.1	03-Jun-91	31 A	853.2
03U007	900.1	03-Sep-91	32 A	852.6
03U007	900.1	27-Sep-91	32 A	853.0

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U007	900.1	06-Dec-91	33 A	854.7
03U007	900.1	10-Mar-92	34 F	855.2
03U007	900.1	24-Mar-92	34 A	855.3
03U007	900.1	01-Jun-92	35 A	855.4
03U007	900.1	01-Sep-92	36 A	855.0
03U007	900.1	08-Oct-92	36 A	855.7
03U008	914.8	24-Nov-87	16 A	863.7
03U008	914.8	30-Nov-87	16 A	864.1
03U008	914.8	14-Dec-87	16 A	864.0
03U008	914.8	14-Dec-87	16 F	864.1
03U008	914.8	11-Jan-88	17 A	864.6
03U008	914.8	26-Jan-88	17 F	864.4
03U008	914.8	13-Apr-88	18 F	864.4
03U008	914.8	02-May-88	18 A	863.6
03U008	914.8	20-May-88	18 A	862.9
03U008	914.8	23-Jun-88	18 A	858.5
03U008	914.8	27-Jul-88	19 A	856.7
03U008	914.8	30-Aug-88	19 F	857.7
03U008	914.8	01-Sep-88	19 A	857.8
03U008	914.8	21-Sep-88	19 A	858.1
03U008	914.8	14-Oct-88	20 A	859.0
03U008	914.8	22-Nov-88	20 F	859.8
03U008	914.8	02-Dec-88	20 A	859.9
03U008	914.8	13-Jan-89	21 A	860.2
03U008	914.8	31-Mar-89	21 A	860.9
03U008	914.8	05-Aug-89	23 F	857.0
03U008	914.8	05-Oct-89	24 A	857.6
03U008	914.8	02-Nov-89	24 F	857.9
03U008	914.8	21-Dec-89	24 A	858.3
03U008	914.8	11-Jan-90	25 A	858.3
03U008	914.8	23-Apr-90	26 F	856.3
03U008	914.8	16-May-90	26 A	857.9
03U008	914.8	28-Feb-91	30 A	859.5
03U008	914.8	01-Apr-91	30 F	859.2
03U008	914.8	27-Sep-91	32 A	859.5
03U008	914.8	10-Mar-92	34 F	861.1
03U008	914.8	24-Mar-92	34 A	861.5
03U008	914.8	08-Oct-92	36 A	861.1
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	36 A	863.2
03U010	888.3	24-Nov-87	16 A	865.5
03U010	888.3	30-Nov-87	16 A	865.9
03U010	888.3	14-Dec-87	16 A	865.9
03U010	888.3	11-Jan-88	17 A	866.3
03U010	888.3	26-Jan-88	17 F	866.1
03U010	888.3	13-Apr-88	18 F	865.9
03U010	888.3	02-May-88	18 A	865.0
03U010	888.3	20-May-88	18 A	864.5
03U010	888.3	23-Jun-88	18 A	859.1
03U010	888.3	27-Jul-88	19 A	857.6
03U010	888.3	30-Aug-88	19 F	859.5
03U010	888.3	01-Sep-88	19 A	859.5
03U010	888.3	21-Sep-88	19 A	860.0
03U010	888.3	14-Oct-88	20 A	860.9
03U010	888.3	22-Nov-88	20 F	861.6
03U010	888.3	02-Dec-88	20 A	861.7
03U010	888.3	13-Jan-89	21 A	861.8
03U010	888.3	31-Mar-89	21 A	863.0
03U010	888.3	05-Aug-89	23 F	858.2
03U010	888.3	05-Oct-89	24 A	859.3
03U010	888.3	02-Nov-89	24 F	859.9
03U010	888.3	21-Dec-89	24 A	860.3
03U010	888.3	11-Jan-90	25 A	860.5
03U010	888.3	27-Apr-90	26 F	860.0
03U010	888.3	16-May-90	26 A	860.1
03U010	888.3	28-Feb-91	30 A	861.5
03U010	888.3	01-Apr-91	30 F	861.4
03U010	888.3	27-Sep-91	32 A	862.1
03U010	888.3	10-Mar-92	34 F	863.9
03U010	888.3	24-Mar-92	34 A	863.8
03U010	888.3	08-Oct-92	36 A	863.2
03U011	900.4	24-Nov-87	16 A	862.9

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U011	900.4	30-Nov-87	16 A	863.2
03U011	900.4	14-Dec-87	16 F	863.4
03U011	900.4	11-Jan-88	17 A	863.6
03U011	900.4	13-Apr-88	18 F	862.3
03U011	900.4	02-May-88	18 A	862.8
03U011	900.4	20-May-88	18 A	862.4
03U011	900.4	23-Jun-88	18 A	858.3
03U011	900.4	27-Jul-88	19 A	856.7
03U011	900.4	30-Aug-88	19 F	857.6
03U011	900.4	01-Sep-88	19 A	857.5
03U011	900.4	21-Sep-88	19 A	857.8
03U011	900.4	14-Oct-88	20 A	858.3
03U011	900.4	22-Nov-88	20 F	858.8
03U011	900.4	02-Dec-88	20 A	858.8
03U011	900.4	13-Jan-89	21 A	859.1
03U011	900.4	31-Mar-89	21 A	860.8
03U011	900.4	05-Aug-89	23 F	857.2
03U011	900.4	05-Oct-89	24 A	857.3
03U011	900.4	02-Nov-89	24 F	857.7
03U011	900.4	21-Dec-89	24 A	858.1
03U011	900.4	11-Jan-90	25 A	858.2
03U011	900.4	27-Apr-90	26 F	858.0
03U011	900.4	16-May-90	26 A	857.8
03U011	900.4	28-Feb-91	30 A	859.1
03U011	900.4	01-Apr-91	30 F	859.1
03U011	900.4	27-Sep-91	32 A	859.3
03U011	900.4	10-Mar-92	34 F	861.4
03U011	900.4	24-Mar-92	34 A	861.2
03U011	900.4	08-Oct-92	36 A	860.7
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	36 A	856.4
03U013	889.9	17-Nov-87	16 A	852.8
03U013	889.9	24-Nov-87	16 A	852.5
03U013	889.9	30-Nov-87	16 A	852.9
03U013	889.9	14-Dec-87	16 F	852.7
03U013	889.9	11-Jan-88	17 A	853.0
03U013	889.9	27-Jan-88	17 F	852.7
03U013	889.9	13-Apr-88	18 F	853.2
03U013	889.9	02-May-88	18 A	852.5
03U013	889.9	20-May-88	18 A	852.0
03U013	889.9	23-Jun-88	18 A	849.1
03U013	889.9	27-Jul-88	19 A	848.0
03U013	889.9	30-Aug-88	19 F	848.2
03U013	889.9	01-Sep-88	19 A	848.0
03U013	889.9	21-Sep-88	19 A	848.0
03U013	889.9	14-Oct-88	20 A	848.5
03U013	889.9	22-Nov-88	20 F	849.1
03U013	889.9	02-Dec-88	20 A	849.1
03U013	889.9	13-Jan-89	21 A	849.7
03U013	889.9	31-Mar-89	21 A	848.1
03U013	889.9	05-Aug-89	23 F	845.2
03U013	889.9	05-Oct-89	24 A	845.3
03U013	889.9	02-Nov-89	24 F	845.5
03U013	889.9	21-Dec-89	24 A	845.5
03U013	889.9	11-Jan-90	25 A	845.7
03U013	889.9	16-May-90	26 A	845.6
03U013	889.9	28-Feb-91	30 A	846.3
03U013	889.9	27-Sep-91	32 A	846.0
03U013	889.9	24-Mar-92	34 A	847.9
03U013	889.9	08-Oct-92	36 A	847.8
03U014	988.2	17-Nov-87	16 A	856.7
03U014	988.2	24-Nov-87	16 A	856.6
03U014	988.2	30-Nov-87	16 A	856.6
03U014	988.2	14-Dec-87	16 A	856.8
03U014	988.2	15-Dec-87	16 F	856.8
03U014	988.2	11-Jan-88	17 A	856.9
03U014	988.2	26-Jan-88	17 F	856.7
03U014	988.2	14-Apr-88	18 F	857.2
03U014	988.2	02-May-88	18 A	857.0

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U014	988.2	20-May-88	18 A	855.5
03U014	988.2	23-Jun-88	18 A	855.7
03U014	988.2	27-Jul-88	19 A	854.2
03U014	988.2	30-Aug-88	19 F	853.1
03U014	988.2	01-Sep-88	19 A	853.1
03U014	988.2	21-Sep-88	19 A	852.7
03U014	988.2	14-Oct-88	20 A	852.5
03U014	988.2	22-Nov-88	20 F	851.5
03U014	988.2	02-Dec-88	20 A	852.7
03U014	988.2	13-Jan-89	21 A	852.8
03U014	988.2	31-Mar-89	21 A	852.0
03U014	988.2	05-Aug-89	23 F	850.6
03U014	988.2	05-Oct-89	24 A	849.7
03U014	988.2	02-Nov-89	24 F	849.6
03U014	988.2	21-Dec-89	24 A	849.5
03U014	988.2	11-Jan-90	25 A	849.3
03U014	988.2	16-May-90	26 A	849.2
03U014	988.2	16-Jul-90	27 A	849.0
03U014	988.2	28-Feb-91	30 A	849.8
03U014	988.2	03-Jun-91	31 A	849.8
03U014	988.2	03-Sep-91	32 A	849.3
03U014	988.2	27-Sep-91	32 A	849.5
03U014	988.2	06-Dec-91	33 A	850.6
03U014	988.2	24-Mar-92	34 A	851.6
03U014	988.2	01-Jun-92	35 A	852.2
03U014	988.2	01-Sep-92	36 A	851.3
03U014	988.2	08-Oct-92	36 A	852.0
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	36 A	852.6
03U016	947.0	24-Nov-87	16 A	859.0
03U016	947.0	30-Nov-87	16 A	859.1
03U016	947.0	14-Dec-87	16 A	859.3
03U016	947.0	11-Jan-88	17 A	859.4
03U016	947.0	27-Jan-88	17 F	859.4
03U016	947.0	13-Apr-88	18 F	859.3
03U016	947.0	02-May-88	18 A	859.3
03U016	947.0	20-May-88	18 A	859.0
03U016	947.0	23-Jun-88	18 A	857.2
03U016	947.0	27-Jul-88	19 A	855.4
03U016	947.0	30-Aug-88	19 F	854.7
03U016	947.0	01-Sep-88	19 A	854.8
03U016	947.0	21-Sep-88	19 A	854.7
03U016	947.0	14-Oct-88	20 A	854.7
03U016	947.0	22-Nov-88	20 F	854.7
03U016	947.0	02-Dec-88	20 A	854.9
03U016	947.0	13-Jan-89	21 A	855.1
03U016	947.0	31-Mar-89	21 A	855.4
03U016	947.0	05-Oct-89	24 A	852.8
03U016	947.0	06-Nov-89	24 F	852.8
03U016	947.0	21-Dec-89	24 A	852.8
03U016	947.0	11-Jan-90	25 A	864.8
03U016	947.0	01-May-90	26 F	852.8
03U016	947.0	16-May-90	26 A	852.7
03U016	947.0	28-Feb-91	30 A	853.6
03U016	947.0	25-Mar-91	30 F	853.4
03U016	947.0	27-Sep-91	32 A	853.4
03U016	947.0	13-Mar-92	34 F	855.6
03U016	947.0	24-Mar-92	34 A	855.5
03U016	947.0	08-Oct-92	36 A	855.5
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	849.0
03U018	988.7	24-Nov-87	16 A	856.5
03U018	988.7	30-Nov-87	16 A	856.5
03U018	988.7	14-Dec-87	16 A	856.7
03U018	988.7	14-Dec-87	16 F	856.6
03U018	988.7	11-Jan-88	17 A	856.8
03U018	988.7	27-Jan-88	17 F	856.8
03U018	988.7	14-Apr-88	18 F	857.0
03U018	988.7	02-May-88	18 A	856.9
03U018	988.7	20-May-88	18 A	856.5
03U018	988.7	23-Jun-88	18 A	855.3
03U018	988.7	27-Jul-88	19 A	853.8
03U018	988.7	30-Aug-88	19 F	852.8
03U018	988.7	01-Sep-88	19 A	852.7
03U018	988.7	21-Sep-88	19 A	852.5
03U018	988.7	14-Oct-88	20 A	852.4
03U018	988.7	22-Nov-88	20 F	852.4
03U018	988.7	02-Dec-88	20 A	852.6
03U018	988.7	13-Jan-89	21 A	852.8
03U018	988.7	31-Mar-89	21 A	852.0
03U018	988.7	05-Aug-89	23 F	850.3
03U018	988.7	05-Oct-89	24 A	849.7
03U018	988.7	04-Nov-89	24 F	849.5
03U018	988.7	21-Dec-89	24 A	849.2
03U018	988.7	11-Jan-90	25 A	849.2
03U018	988.7	16-May-90	26 A	849.2
03U018	988.7	28-Feb-91	30 A	849.9
03U018	988.7	27-Sep-91	32 A	849.6
03U018	988.7	24-Mar-92	34 A	852.3
03U018	988.7	08-Oct-92	36 A	851.9
03U019	943.5	24-Nov-87	16 A	857.7
03U019	943.5	30-Nov-87	16 A	857.8
03U019	943.5	14-Dec-87	16 A	857.8
03U019	943.5	11-Jan-88	17 A	858.1
03U019	943.5	27-Jan-88	17 F	858.1
03U019	943.5	14-Apr-88	18 F	858.2
03U019	943.5	02-May-88	18 A	858.1
03U019	943.5	20-May-88	18 A	857.8
03U019	943.5	23-Jun-88	18 A	856.7
03U019	943.5	27-Jul-88	19 A	855.1
03U019	943.5	30-Aug-88	19 F	854.1
03U019	943.5	01-Sep-88	19 A	854.0
03U019	943.5	21-Sep-88	19 A	853.7
03U019	943.5	14-Oct-88	20 A	853.5
03U019	943.5	22-Nov-88	20 F	853.6
03U019	943.5	02-Dec-88	20 A	853.7
03U019	943.5	13-Jan-89	21 A	853.9
03U019	943.5	31-Mar-89	21 A	853.6
03U019	943.5	05-Aug-89	23 F	852.1
03U019	943.5	05-Oct-89	24 A	851.2
03U019	943.5	04-Nov-89	24 F	851.1
03U019	943.5	21-Dec-89	24 A	851.0
03U019	943.5	11-Jan-90	25 A	850.9
03U019	943.5	01-May-90	26 F	850.9
03U019	943.5	16-May-90	26 A	850.8
03U019	943.5	19-Jul-90	27 F	850.8
03U019	943.5	28-Feb-91	30 A	851.5
03U019	943.5	27-Mar-91	30 F	851.4
03U019	943.5	27-Sep-91	32 A	851.2
03U019	943.5	11-Mar-92	34 F	853.3
03U019	943.5	24-Mar-92	34 A	853.2
03U019	943.5	08-Oct-92	36 A	853.6
03U020	954.2	17-Nov-87	16 A	854.6
03U020	954.2	24-Nov-87	16 A	854.5
03U020	954.2	30-Nov-87	16 A	854.5
03U020	954.2	14-Dec-87	16 A	854.4
03U020	954.2	14-Dec-87	16 F	854.3
03U020	954.2	11-Jan-88	17 A	854.7
03U020	954.2	27-Jan-88	17 F	854.6
03U020	954.2	14-Apr-88	18 F	855.5
03U020	954.2	02-May-88	18 A	855.0
03U020	954.2	20-May-88	18 A	854.5
03U020	954.2	23-Jun-88	18 A	853.5
03U020	954.2	27-Jul-88	19 A	852.0
03U020	954.2	30-Aug-88	19 F	850.9
03U020	954.2	01-Sep-88	19 A	850.8
03U020	954.2	21-Sep-88	19 A	850.7
03U020	954.2	14-Oct-88	20 A	850.4
03U020	954.2	22-Nov-88	20 F	850.8
03U020	954.2	02-Dec-88	20 A	851.1
03U020	954.2	13-Jan-89	21 A	850.9
03U020	954.2	31-Mar-89	21 A	849.4
03U020	954.2	07-Jul-89	23 A	848.2
03U020	954.2	05-Aug-89	23 F	847.9
03U020	954.2	05-Oct-89	24 A	847.2
03U020	954.2	04-Nov-89	24 F	846.0
03U020	954.2	21-Dec-89	24 A	846.7
03U020	954.2	11-Jan-90	25 A	846.5
03U020	954.2	16-May-90	26 A	846.7

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U020	954.2	16-Jul-90	27 A	846.5
03U020	954.2	28-Feb-91	30 A	847.2
03U020	954.2	03-Jun-91	31 A	847.1
03U020	954.2	03-Sep-91	32 A	846.7
03U020	954.2	27-Sep-91	32 A	846.9
03U020	954.2	06-Dec-91	33 A	848.0
03U020	954.2	24-Mar-92	34 A	848.8
03U020	954.2	01-Jun-92	35 A	849.4
03U020	954.2	01-Sep-92	36 A	848.9
03U020	954.2	08-Oct-92	36 A	849.1
03U021	944.2	30-Nov-87	16 A	853.0
03U021	944.2	14-Dec-87	16 A	852.6
03U021	944.2	15-Dec-87	16 F	852.7
03U021	944.2	28-Jan-88	17 F	852.8
03U021	944.2	14-Apr-88	18 F	854.3
03U021	944.2	02-May-88	18 A	853.3
03U021	944.2	30-Aug-88	19 F	849.4
03U021	944.2	13-Jan-89	21 A	849.8
03U021	944.2	31-Mar-89	21 A	847.3
03U021	944.2	05-Aug-89	23 F	845.9
03U021	944.2	05-Oct-89	24 A	845.3
03U021	944.2	04-Nov-89	24 F	845.1
03U021	944.2	21-Dec-89	24 A	844.6
03U021	944.2	11-Jan-90	25 A	844.6
03U021	944.2	16-May-90	26 A	844.6
03U021	944.2	28-Feb-91	30 A	845.1
03U021	944.2	27-Sep-91	32 A	844.9
03U021	944.2	24-Mar-92	34 A	846.5
03U021	944.2	08-Oct-92	36 A	846.9
03U022	899.4	24-Nov-87	16 A	860.3
03U022	899.4	30-Nov-87	16 A	860.5
03U022	899.4	14-Dec-87	16 A	860.7
03U022	899.4	11-Jan-88	17 A	860.9
03U022	899.4	27-Jan-88	17 F	860.9
03U022	899.4	13-Apr-88	18 F	860.4
03U022	899.4	02-May-88	18 A	860.4
03U022	899.4	20-May-88	18 A	860.0
03U022	899.4	23-Jun-88	18 A	856.7
03U022	899.4	27-Jul-88	19 A	855.2
03U022	899.4	30-Aug-88	19 F	855.4
03U022	899.4	01-Sep-88	19 A	855.4
03U022	899.4	21-Sep-88	19 A	855.5
03U022	899.4	14-Oct-88	20 A	855.8
03U022	899.4	22-Nov-88	20 F	856.0
03U022	899.4	02-Dec-88	20 A	856.1
03U022	899.4	13-Jan-89	21 A	856.4
03U022	899.4	31-Mar-89	21 A	857.5
03U022	899.4	05-Aug-89	23 F	854.5
03U022	899.4	05-Oct-89	24 A	854.4
03U022	899.4	02-Nov-89	24 F	854.5
03U022	899.4	21-Dec-89	24 A	854.9
03U022	899.4	11-Jan-90	25 A	855.0
03U022	899.4	30-Apr-90	26 F	854.5
03U022	899.4	16-May-90	26 A	854.7
03U022	899.4	28-Feb-91	30 A	855.9
03U022	899.4	19-Mar-91	30 F	855.6
03U022	899.4	27-Sep-91	32 A	855.9
03U022	899.4	06-Mar-92	34 F	857.9
03U022	899.4	24-Mar-92	34 A	857.9
03U022	899.4	08-Oct-92	36 A	857.5
03U023	899.4	24-Nov-87	16 A	860.1
03U023	899.4	30-Nov-87	16 A	860.4
03U023	899.4	14-Dec-87	16 A	860.4
03U023	899.4	14-Dec-87	16 F	860.5
03U023	899.4	11-Jan-88	17 A	860.7
03U023	899.4	27-Jan-88	17 F	860.7
03U023	899.4	13-Apr-88	18 F	860.3
03U023	899.4	02-May-88	18 A	860.0
03U023	899.4	20-May-88	18 A	859.6
03U023	899.4	23-Jun-88	18 A	856.8
03U023	899.4	27-Jul-88	19 A	854.5
03U023	899.4	30-Aug-88	19 F	855.1
03U023	899.4	01-Sep-88	19 A	855.1
03U023	899.4	21-Sep-88	19 A	855.2
03U023	899.4	14-Oct-88	20 A	855.8
03U023	899.4	22-Nov-88	20 F	856.1
03U023	899.4	02-Dec-88	20 A	856.1
03U023	899.4	13-Jan-89	21 A	856.4
03U023	899.4	31-Mar-89	21 A	857.2
03U023	899.4	05-Aug-89	23 F	853.8
03U023	899.4	05-Oct-89	24 A	854.0
03U023	899.4	02-Nov-89	24 F	854.2
03U023	899.4	21-Dec-89	24 A	854.6
03U023	899.4	11-Jan-90	25 A	854.7
03U023	899.4	25-Apr-90	26 F	854.4
03U023	899.4	16-May-90	26 A	854.3
03U023	899.4	28-Feb-91	30 A	855.6
03U023	899.4	19-Mar-91	30 F	854.8
03U023	899.4	27-Sep-91	32 A	855.7
03U023	899.4	09-Mar-92	34 F	857.6
03U023	899.4	24-Mar-92	34 A	857.6
03U023	899.4	08-Oct-92	36 A	857.1
03U024	894.5	24-Nov-87	16 A	859.1
03U024	894.5	30-Nov-87	16 A	859.3
03U024	894.5	14-Dec-87	16 A	859.4
03U024	894.5	11-Jan-88	17 A	859.6
03U024	894.5	27-Jan-88	17 F	859.5
03U024	894.5	14-Apr-88	18 F	859.0
03U024	894.5	02-May-88	18 A	859.1
03U024	894.5	20-May-88	18 A	858.8
03U024	894.5	23-Jun-88	18 A	855.8
03U024	894.5	27-Jul-88	19 A	854.4

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U024	894.5	30-Aug-88	19 F	854.5
03U024	894.5	01-Sep-88	19 A	854.4
03U024	894.5	21-Sep-88	19 A	854.4
03U024	894.5	14-Oct-88	20 A	854.7
03U024	894.5	22-Nov-88	20 F	854.8
03U024	894.5	02-Dec-88	20 A	854.9
03U024	894.5	13-Jan-89	21 A	855.1
03U024	894.5	31-Mar-89	21 A	856.0
03U024	894.5	05-Aug-89	23 F	853.1
03U024	894.5	05-Oct-89	24 A	852.9
03U024	894.5	02-Nov-89	24 F	853.0
03U024	894.5	21-Dec-89	24 A	853.3
03U024	894.5	11-Jan-90	25 A	853.4
03U024	894.5	30-Apr-90	26 F	859.1
03U024	894.5	16-May-90	26 A	853.1
03U024	894.5	28-Feb-91	30 A	854.2
03U024	894.5	01-Apr-91	30 F	854.0
03U024	894.5	27-Sep-91	32 A	854.2
03U024	894.5	16-Mar-92	34 F	856.3
03U024	894.5	24-Mar-92	34 A	856.1
03U024	894.5	08-Oct-92	36 A	855.8
03U025	886.6	17-Nov-87	16 A	857.4
03U025	886.6	24-Nov-87	16 A	857.3
03U025	886.6	30-Nov-87	16 A	858.6
03U025	886.6	14-Dec-87	16 A	857.6
03U025	886.6	11-Jan-88	17 A	857.7
03U025	886.6	26-Jan-88	17 F	857.7
03U025	886.6	13-Apr-88	18 F	855.2
03U025	886.6	02-May-88	18 A	857.3
03U025	886.6	20-May-88	18 A	857.0
03U025	886.6	23-Jun-88	18 A	854.0
03U025	886.6	27-Jul-88	19 A	852.7
03U025	886.6	30-Aug-88	19 F	852.7
03U025	886.6	01-Sep-88	19 A	852.7
03U025	886.6	21-Sep-88	19 A	852.6
03U025	886.6	14-Oct-88	20 A	853.0
03U025	886.6	22-Nov-88	20 F	853.4
03U025	886.6	02-Dec-88	20 A	853.4
03U025	886.6	13-Jan-89	21 A	853.8
03U025	886.6	31-Mar-89	21 A	853.7
03U025	886.6	05-Aug-89	23 F	850.8
03U025	886.6	05-Oct-89	24 A	850.7
03U025	886.6	02-Nov-89	24 F	850.9
03U025	886.6	21-Dec-89	24 A	851.1
03U025	886.6	11-Jan-90	25 A	851.2
03U025	886.6	30-Apr-90	26 F	854.9
03U025	886.6	16-May-90	26 A	850.9
03U025	886.6	28-Feb-91	30 A	852.0
03U025	886.6	01-Apr-91	30 F	851.8
03U025	886.6	27-Sep-91	32 A	851.9
03U025	886.6	16-Mar-92	34 F	854.1
03U025	886.6	24-Mar-92	34 A	853.8
03U025	886.6	08-Oct-92	36 A	853.6
03U026	974.7	24-Nov-87	16 A	857.1
03U026	974.7	30-Nov-87	16 A	857.2
03U026	974.7	14-Dec-87	16 A	857.3
03U026	974.7	14-Dec-87	16 F	857.4
03U026	974.7	11-Jan-88	17 A	857.5
03U026	974.7	26-Jan-88	17 F	857.5
03U026	974.7	14-Apr-88	18 F	857.7
03U026	974.7	02-May-88	18 A	857.6
03U026	974.7	20-May-88	18 A	857.2
03U026	974.7	23-Jun-88	18 A	854.1
03U026	974.7	27-Jul-88	19 A	854.5
03U026	974.7	30-Aug-88	19 F	853.5
03U026	974.7	01-Sep-88	19 A	853.5
03U026	974.7	21-Sep-88	19 A	853.2
03U026	974.7	14-Oct-88	20 A	853.0
03U026	974.7	22-Nov-88	20 F	853.1
03U026	974.7	02-Dec-88	20 A	853.2
03U026	974.7	13-Jan-89	21 A	853.3
03U026	974.7	31-Mar-89	21 A	852.9
03U026	974.7	05-Aug-89	23 F	851.5
03U026	974.7	05-Oct-89	24 A	850.6
03U026	974.7	02-Nov-89	24 F	850.5
03U026	974.7	21-Dec-89	24 A	850.4
03U026	974.7	11-Jan-90	25 A	850.3
03U026	974.7	01-May-90	26 F	850.3
03U026	974.7	19-Jul-90	27 F	850.2
03U026	974.7	21-Sep-90	28 F	850.0
03U026	974.7	29-Mar-91	30 F	850.7
03U026	974.7	11-Mar-92	34 F	852.8
03U027	966.3	17-Nov-87	16 A	854.8
03U027	966.3	24-Nov-87	16 A	854.7
03U027	966.3	30-Nov-87	16 A	854.8
03U027	966.3	14-Dec-87	16 F	854.7
03U027	966.3	11-Jan-88	17 A	855.0
03U027	966.3	27-Jan-88	17 F	854.8
03U027	966.3	14-Apr-88	18 F	855.8
03U027	966.3	02-May-88	18 A	855.2
03U027	966.3	20-May-88	18 A	854.7
03U027	966.3	23-Jun-88	18 A	853.8
03U027	966.3	27-Jul-88	19 A	852.3
03U027	966.3	30-Aug-88	19 F	851.3
03U027	966.3	01-Sep-88	19 A	851.1
03U027	966.3	21-Sep-88	19 A	850.9
03U027	966.3	14-Oct-88	20 A	850.6
03U027	966.3	22-Nov-88	20 F	851.0
03U027	966.3	02-Dec-88	20 A	851.3
03U027	966.3	13-Jan-89	21 A	851.5
03U027	966.3	31-Mar-89	21 A	849.7
03U027	966.3	05-Aug-89	23 F	848.3
03U027	966.3	05-Oct-89	24 A	846.5

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U027	966.3	04-Nov-89	24 F	847.4
03U027	966.3	21-Dec-89	24 A	847.2
03U027	966.3	11-Jan-90	25 A	846.9
03U027	966.3	16-May-90	26 A	847.0
03U027	966.3	28-Feb-91	30 A	847.5
03U027	966.3	27-Sep-91	32 A	847.1
03U027	966.3	24-Mar-92	34 A	849.1
03U027	966.3	08-Oct-92	36 A	849.5
03U028	957.2	17-Nov-87	16 A	854.3
03U028	957.2	30-Nov-87	16 A	854.2
03U028	957.2	14-Dec-87	16 F	854.1
03U028	957.2	11-Jan-88	17 A	854.3
03U028	957.2	27-Jan-88	17 F	854.2
03U028	957.2	14-Apr-88	18 F	855.4
03U028	957.2	02-May-88	18 A	854.7
03U028	957.2	20-May-88	18 A	854.2
03U028	957.2	23-Jun-88	18 A	853.4
03U028	957.2	27-Jul-88	19 A	851.9
03U028	957.2	30-Aug-88	19 F	850.7
03U028	957.2	01-Sep-88	19 A	850.6
03U028	957.2	21-Sep-88	19 A	850.4
03U028	957.2	14-Oct-88	20 A	850.1
03U028	957.2	22-Nov-88	20 F	850.8
03U028	957.2	02-Dec-88	20 A	850.6
03U028	957.2	13-Jan-89	21 A	850.9
03U028	957.2	31-Mar-89	21 A	848.9
03U028	957.2	05-Aug-89	23 F	847.7
03U028	957.2	05-Oct-89	24 A	846.9
03U028	957.2	03-Nov-89	24 F	846.7
03U028	957.2	21-Dec-89	24 A	846.5
03U028	957.2	11-Jan-90	25 A	846.4
03U028	957.2	16-May-90	26 A	846.3
03U028	957.2	28-Feb-91	30 A	846.7
03U028	957.2	27-Sep-91	32 A	846.3
03U028	957.2	24-Mar-92	34 A	848.3
03U028	957.2	08-Oct-92	36 A	848.7
03U029	954.8	17-Nov-87	16 A	853.8
03U029	954.8	30-Nov-87	16 A	853.6
03U029	954.8	14-Dec-87	16 A	852.5
03U029	954.8	11-Jan-88	17 A	852.7
03U029	954.8	27-Jan-88	17 F	853.6
03U029	954.8	14-Apr-88	18 F	855.0
03U029	954.8	02-May-88	18 A	854.2
03U029	954.8	20-May-88	18 A	853.7
03U029	954.8	23-Jun-88	18 A	853.1
03U029	954.8	27-Jul-88	19 A	851.6
03U029	954.8	30-Aug-88	19 F	849.3
03U029	954.8	01-Sep-88	19 A	849.8
03U029	954.8	21-Sep-88	19 A	850.0
03U029	954.8	14-Oct-88	20 A	848.6
03U029	954.8	22-Nov-88	20 F	850.1

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U029	954.8	02-Dec-88	20 A	850.1
03U029	954.8	13-Jan-89	21 A	850.4
03U029	954.8	31-Mar-89	21 A	847.2
03U029	954.8	05-Aug-89	23 F	846.3
03U029	954.8	05-Oct-89	24 A	845.8
03U029	954.8	03-Nov-89	24 F	845.3
03U029	954.8	21-Dec-89	24 A	844.9
03U029	954.8	11-Jan-90	25 A	844.8
03U029	954.8	16-May-90	26 A	845.6
03U029	954.8	28-Feb-91	30 A	845.0
03U029	954.8	27-Sep-91	32 A	844.5
03U029	954.8	24-Mar-92	34 A	846.3
03U029	954.8	08-Oct-92	36 A	846.9
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
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	36 A	850.4
03U031	899.3	17-Nov-87	16 A	855.9
03U031	899.3	24-Nov-87	16 A	855.7
03U031	899.3	30-Nov-87	16 A	855.9
03U031	899.3	14-Dec-87	16 A	855.8
03U031	899.3	11-Jan-88	17 A	856.0
03U031	899.3	26-Jan-88	17 F	856.0
03U031	899.3	13-Apr-88	18 F	857.5
03U031	899.3	02-May-88	18 A	855.6
03U031	899.3	20-May-88	18 A	855.6

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U031	899.3	23-Jun-88	18 A	853.8
03U031	899.3	27-Jul-88	19 A	852.5
03U031	899.3	30-Aug-88	19 F	851.4
03U031	899.3	01-Sep-88	19 A	851.5
03U031	899.3	21-Sep-88	19 A	851.4
03U031	899.3	14-Oct-88	20 A	851.6
03U031	899.3	22-Nov-88	20 F	852.1
03U031	899.3	02-Dec-88	20 A	851.7
03U031	899.3	13-Jan-89	21 A	852.3
03U031	899.3	31-Mar-89	21 A	851.1
03U031	899.3	05-Aug-89	23 F	849.0
03U031	899.3	05-Oct-89	24 A	848.6
03U031	899.3	02-Nov-89	24 F	848.6
03U031	899.3	21-Dec-89	24 A	848.6
03U031	899.3	11-Jan-90	25 A	848.5
03U031	899.3	16-May-90	26 A	848.5
03U031	899.3	28-Feb-91	30 A	849.3
03U031	899.3	27-Sep-91	32 A	849.0
03U031	899.3	24-Mar-92	34 A	851.0
03U031	899.3	08-Oct-92	36 A	851.0
03U032	1003.6	24-Nov-87	16 A	857.8
03U032	1003.6	30-Nov-87	16 A	857.8
03U032	1003.6	14-Dec-87	16 A	858.0
03U032	1003.6	11-Jan-88	17 A	858.2
03U032	1003.6	26-Jan-88	17 F	858.2
03U032	1003.6	14-Apr-88	18 F	858.1
03U032	1003.6	02-May-88	18 A	858.1
03U032	1003.6	20-May-88	18 A	857.7
03U032	1003.6	23-Jun-88	18 A	856.1
03U032	1003.6	27-Jul-88	19 A	854.5
03U032	1003.6	30-Aug-88	19 F	853.8
03U032	1003.6	01-Sep-88	19 A	853.7
03U032	1003.6	21-Sep-88	19 A	853.6
03U032	1003.6	14-Oct-88	20 A	853.4
03U032	1003.6	22-Nov-88	20 F	853.6
03U032	1003.6	02-Dec-88	20 A	853.6
03U032	1003.6	13-Jan-89	21 A	853.8
03U032	1003.6	31-Mar-89	21 A	853.9
03U032	1003.6	05-Aug-89	23 F	852.1
03U032	1003.6	05-Oct-89	24 A	851.3
03U032	1003.6	02-Nov-89	24 F	851.3
03U032	1003.6	21-Dec-89	24 A	851.3
03U032	1003.6	11-Jan-90	25 A	851.2
03U032	1003.6	01-May-90	26 F	851.2
03U032	1003.6	16-May-90	26 A	851.1
03U032	1003.6	18-Jul-90	27 F	851.2
03U032	1003.6	21-Sep-90	28 F	852.0
03U032	1003.6	28-Feb-91	30 A	852.0
03U032	1003.6	26-Mar-91	30 F	851.9
03U032	1003.6	04-Jun-91	31 F	851.9
03U032	1003.6	04-Sep-91	32 F	851.6
03U032	1003.6	27-Sep-91	32 A	851.7
03U032	1003.6	13-Mar-92	34 F	854.0
03U032	1003.6	24-Mar-92	34 A	853.8
03U032	1003.6	02-Jun-92	35 F	854.4
03U032	1003.6	04-Sep-92	36 F	853.6
03U032	1003.6	08-Oct-92	36 A	853.9
03U075	884.5	17-Nov-87	16 A	852.1
03U075	884.5	14-Dec-87	16 A	852.1
03U075	884.5	15-Dec-87	16 F	852.2
03U075	884.5	11-Jan-88	17 A	852.2
03U075	884.5	27-Jan-88	17 F	852.0
03U075	884.5	14-Apr-88	18 F	852.4
03U075	884.5	02-May-88	18 A	851.8
03U075	884.5	20-May-88	18 A	851.3
03U075	884.5	23-Jun-88	18 A	848.7
03U075	884.5	27-Jul-88	19 A	847.5
03U075	884.5	30-Aug-88	19 F	847.5
03U075	884.5	01-Sep-88	19 A	847.5
03U075	884.5	21-Sep-88	19 A	847.3
03U075	884.5	14-Oct-88	20 A	847.8
03U075	884.5	22-Nov-88	20 F	848.3
03U075	884.5	02-Dec-88	20 A	848.6
03U075	884.5	13-Jan-89	21 A	848.6
03U075	884.5	31-Mar-89	21 A	847.1
03U075	884.5	05-Aug-89	23 F	844.8
03U075	884.5	05-Oct-89	24 A	844.4
03U075	884.5	03-Nov-89	24 F	844.7
03U075	884.5	21-Dec-89	24 A	844.5
03U075	884.5	11-Jan-90	25 A	844.8
03U075	884.5	16-May-90	26 A	844.6
03U075	884.5	28-Feb-91	30 A	845.4
03U075	884.5	27-Sep-91	32 A	845.0
03U075	884.5	24-Mar-92	34 A	846.9
03U075	884.5	08-Oct-92	36 A	840.8
03U076	888.4	17-Nov-87	16 A	850.8
03U076	888.4	14-Dec-87	16 A	850.7
03U076	888.4	15-Dec-87	16 F	850.6
03U076	888.4	11-Jan-88	17 A	850.9
03U076	888.4	27-Jan-88	17 F	850.4
03U076	888.4	14-Apr-88	18 F	850.9
03U076	888.4	02-May-88	18 A	850.5
03U076	888.4	20-May-88	18 A	849.9
03U076	888.4	23-Jun-88	18 A	847.3
03U076	888.4	27-Jul-88	19 A	846.2
03U076	888.4	30-Aug-88	19 F	846.0
03U076	888.4	01-Sep-88	19 A	846.1
03U076	888.4	21-Sep-88	19 A	845.9
03U076	888.4	14-Oct-88	20 A	846.5
03U076	888.4	22-Nov-88	20 F	847.2
03U076	888.4	02-Dec-88	20 A	847.4
03U076	888.4	13-Jan-89	21 A	847.4
03U076	888.4	31-Mar-89	21 A	845.5

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U076	888.4	05-Aug-89	23 F	843.0
03U076	888.4	05-Oct-89	24 A	842.8
03U076	888.4	06-Nov-89	24 F	842.9
03U076	888.4	21-Dec-89	24 A	843.0
03U076	888.4	11-Jan-90	25 A	843.3
03U076	888.4	16-May-90	26 A	843.1
03U076	888.4	28-Feb-91	30 A	843.8
03U076	888.4	27-Sep-91	32 A	843.3
03U076	888.4	24-Mar-92	34 A	845.1
03U076	888.4	08-Oct-92	36 A	845.1
03U077	912.2	17-Nov-87	16 A	850.0
03U077	912.2	24-Nov-87	16 A	849.7
03U077	912.2	30-Nov-87	16 A	850.0
03U077	912.2	14-Dec-87	16 A	849.7
03U077	912.2	14-Dec-87	16 F	846.7
03U077	912.2	11-Jan-88	17 A	849.9
03U077	912.2	27-Jan-88	17 F	849.8
03U077	912.2	13-Apr-88	18 F	851.7
03U077	912.2	02-May-88	18 A	850.1
03U077	912.2	20-May-88	18 A	849.5
03U077	912.2	23-Jun-88	18 A	848.1
03U077	912.2	27-Jul-88	19 A	847.5
03U077	912.2	30-Aug-88	19 F	846.1
03U077	912.2	01-Sep-88	19 A	846.4
03U077	912.2	21-Sep-88	19 A	846.2
03U077	912.2	14-Oct-88	20 A	846.2
03U077	912.2	22-Nov-88	20 F	847.3
03U077	912.2	02-Dec-88	20 A	847.6
03U077	912.2	13-Jan-89	21 A	847.5
03U077	912.2	31-Mar-89	21 A	842.5
03U077	912.2	05-Aug-89	23 F	842.2
03U077	912.2	05-Oct-89	24 A	841.9
03U077	912.2	02-Nov-89	24 F	841.7
03U077	912.2	21-Dec-89	24 A	842.0
03U077	912.2	11-Jan-90	25 A	841.3
03U077	912.2	16-May-90	26 A	841.4
03U077	912.2	28-Feb-91	30 A	841.9
03U077	912.2	27-Sep-91	32 A	841.3
03U077	912.2	24-Mar-92	34 A	843.3
03U077	912.2	08-Oct-92	36 A	843.6
03U078	927.0	17-Nov-87	16 A	850.2
03U078	927.0	24-Nov-87	16 A	849.7
03U078	927.0	30-Nov-87	16 A	849.9
03U078	927.0	14-Dec-87	16 A	849.8
03U078	927.0	14-Dec-87	16 F	849.9
03U078	927.0	11-Jan-88	17 A	850.4
03U078	927.0	27-Jan-88	17 F	850.4
03U078	927.0	13-Apr-88	18 F	854.0
03U078	927.0	02-May-88	18 A	851.3
03U078	927.0	20-May-88	18 A	850.3
03U078	927.0	23-Jun-88	18 A	850.5

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U078	927.0	27-Jul-88	19 A	848.2
03U078	927.0	30-Aug-88	19 F	848.0
03U078	927.0	01-Sep-88	19 A	847.5
03U078	927.0	21-Sep-88	19 A	846.9
03U078	927.0	14-Oct-88	20 A	846.5
03U078	927.0	22-Nov-88	20 F	848.9
03U078	927.0	02-Dec-88	20 A	849.3
03U078	927.0	13-Jan-89	21 A	848.0
03U078	927.0	31-Mar-89	21 A	844.5
03U078	927.0	05-Aug-89	23 F	843.4
03U078	927.0	05-Oct-89	24 A	843.0
03U078	927.0	02-Nov-89	24 F	842.5
03U078	927.0	21-Dec-89	24 A	842.3
03U078	927.0	11-Jan-90	25 A	841.9
03U078	927.0	16-May-90	26 A	841.3
03U078	927.0	28-Feb-91	30 A	841.8
03U078	927.0	27-Sep-91	32 A	840.7
03U078	927.0	24-Mar-92	34 A	842.4
03U078	927.0	08-Oct-92	36 A	843.2
03U079	923.5	17-Nov-87	16 A	849.8
03U079	923.5	24-Nov-87	16 A	849.9
03U079	923.5	30-Nov-87	16 A	849.8
03U079	923.5	14-Dec-87	16 A	849.6
03U079	923.5	14-Dec-87	16 F	849.5
03U079	923.5	11-Jan-88	17 A	850.1
03U079	923.5	27-Jan-88	17 F	849.8
03U079	923.5	14-Apr-88	18 F	853.8
03U079	923.5	02-May-88	18 A	850.6
03U079	923.5	20-May-88	18 A	849.9
03U079	923.5	23-Jun-88	18 A	849.9
03U079	923.5	27-Jul-88	19 A	847.7
03U079	923.5	30-Aug-88	19 F	847.3
03U079	923.5	01-Sep-88	19 A	847.2
03U079	923.5	21-Sep-88	19 A	847.4
03U079	923.5	14-Oct-88	20 A	846.0
03U079	923.5	22-Nov-88	20 F	848.8
03U079	923.5	02-Dec-88	20 A	849.3
03U079	923.5	13-Jan-89	21 A	847.1
03U079	923.5	31-Mar-89	21 A	843.7
03U079	923.5	05-Aug-89	23 F	842.4
03U079	923.5	05-Oct-89	24 A	842.0
03U079	923.5	02-Nov-89	24 F	844.5
03U079	923.5	21-Dec-89	24 A	842.7
03U079	923.5	11-Jan-90	25 A	841.0
03U079	923.5	16-May-90	26 A	840.9
03U079	923.5	28-Feb-91	30 A	841.2
03U079	923.5	27-Sep-91	32 A	840.4
03U079	923.5	24-Mar-92	34 A	842.2
03U079	923.5	08-Oct-92	36 A	843.1
03U082	898.7	24-Nov-87	16 A	862.4
03U082	898.7	30-Nov-87	16 A	862.6

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U082	898.7	14-Dec-87	16 A	862.8
03U082	898.7	14-Dec-87	16 F	863.9
03U082	898.7	11-Jan-88	17 A	863.0
03U082	898.7	27-Jan-88	17 F	863.2
03U082	898.7	13-Apr-88	18 F	862.7
03U082	898.7	02-May-88	18 A	862.3
03U082	898.7	20-May-88	18 A	862.0
03U082	898.7	23-Jun-88	18 A	858.1
03U082	898.7	27-Jul-88	19 A	856.5
03U082	898.7	30-Aug-88	19 F	857.3
03U082	898.7	01-Sep-88	19 A	857.1
03U082	898.7	21-Sep-88	19 A	857.3
03U082	898.7	14-Oct-88	20 A	857.8
03U082	898.7	22-Nov-88	20 F	858.3
03U082	898.7	02-Dec-88	20 A	858.2
03U082	898.7	13-Jan-89	21 A	858.4
03U082	898.7	31-Mar-89	21 A	860.1
03U082	898.7	05-Aug-89	23 F	856.7
03U082	898.7	05-Oct-89	24 A	856.8
03U082	898.7	02-Nov-89	24 F	857.1
03U082	898.7	21-Dec-89	24 A	857.4
03U082	898.7	11-Jan-90	25 A	857.5
03U082	898.7	25-Apr-90	26 F	857.4
03U082	898.7	16-May-90	26 A	857.2
03U082	898.7	28-Feb-91	30 A	858.5
03U082	898.7	26-Mar-91	30 F	858.6
03U082	898.7	27-Sep-91	32 A	858.6
03U082	898.7	10-Mar-92	34 F	864.0
03U082	898.7	24-Mar-92	34 A	860.5
03U082	898.7	08-Oct-92	36 A	860.0
03U083	892.0	24-Nov-87	16 A	856.6
03U083	892.0	30-Nov-87	16 A	856.8
03U083	892.0	14-Dec-87	16 A	856.9
03U083	892.0	14-Dec-87	16 F	857.8
03U083	892.0	11-Jan-88	17 A	856.9
03U083	892.0	26-Jan-88	17 F	858.0
03U083	892.0	13-Apr-88	18 F	857.9
03U083	892.0	02-May-88	18 A	856.7
03U083	892.0	20-May-88	18 A	856.4
03U083	892.0	23-Jun-88	18 A	853.9
03U083	892.0	27-Jul-88	19 A	852.4
03U083	892.0	30-Aug-88	19 F	853.2
03U083	892.0	01-Sep-88	19 A	852.1
03U083	892.0	21-Sep-88	19 A	852.0
03U083	892.0	14-Oct-88	20 A	852.2
03U083	892.0	22-Nov-88	20 F	853.5
03U083	892.0	02-Dec-88	20 A	852.4
03U083	892.0	13-Jan-89	21 A	853.0
03U083	892.0	31-Mar-89	21 A	852.6
03U083	892.0	05-Aug-89	23 F	851.1
03U083	892.0	05-Oct-89	24 A	849.9
03U083	892.0	02-Nov-89	24 F	850.9

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U083	892.0	21-Dec-89	24 A	850.0
03U083	892.0	11-Jan-90	25 A	850.1
03U083	892.0	27-Apr-90	26 F	851.1
03U083	892.0	16-May-90	26 A	849.9
03U083	892.0	28-Feb-91	30 A	850.8
03U083	892.0	26-Mar-91	30 F	851.8
03U083	892.0	27-Sep-91	32 A	850.7
03U083	892.0	13-Mar-92	34 F	853.7
03U083	892.0	24-Mar-92	34 A	852.6
03U083	892.0	08-Oct-92	36 A	852.6
03U084	898.2	17-Nov-87	16 A	850.9
03U084	898.2	24-Nov-87	16 A	850.5
03U084	898.2	30-Nov-87	16 A	850.8
03U084	898.2	14-Dec-87	16 A	850.6
03U084	898.2	14-Dec-87	16 F	849.9
03U084	898.2	11-Jan-88	17 A	850.6
03U084	898.2	27-Jan-88	17 F	850.0
03U084	898.2	13-Apr-88	18 F	851.4
03U084	898.2	02-May-88	18 A	850.9
03U084	898.2	20-May-88	18 A	850.4
03U084	898.2	23-Jun-88	18 A	848.6
03U084	898.2	27-Jul-88	19 A	847.4
03U084	898.2	30-Aug-88	19 F	846.2
03U084	898.2	01-Sep-88	19 A	846.8
03U084	898.2	21-Sep-88	19 A	846.7
03U084	898.2	14-Oct-88	20 A	846.9
03U084	898.2	22-Nov-88	20 F	847.2
03U084	898.2	02-Dec-88	20 A	848.0
03U084	898.2	13-Jan-89	21 A	848.0
03U084	898.2	31-Mar-89	21 A	844.6
03U084	898.2	05-Aug-89	23 F	841.9
03U084	898.2	05-Oct-89	24 A	842.6
03U084	898.2	02-Nov-89	24 F	841.8
03U084	898.2	21-Dec-89	24 A	842.1
03U084	898.2	11-Jan-90	25 A	842.1
03U084	898.2	16-May-90	26 A	842.2
03U084	898.2	28-Feb-91	30 A	842.9
03U084	898.2	27-Sep-91	32 A	842.3
03U084	898.2	24-Mar-92	34 A	844.2
03U084	898.2	08-Oct-92	36 A	844.4
03U087	1004.2	24-Nov-87	16 A	858.0
03U087	1004.2	30-Nov-87	16 A	858.1
03U087	1004.2	14-Dec-87	16 A	858.3
03U087	1004.2	14-Dec-87	16 F	858.2
03U087	1004.2	11-Jan-88	17 A	858.5
03U087	1004.2	26-Jan-88	17 F	858.4
03U087	1004.2	13-Apr-88	18 F	858.2
03U087	1004.2	02-May-88	18 A	858.3
03U087	1004.2	20-May-88	18 A	858.0
03U087	1004.2	23-Jun-88	18 A	856.1
03U087	1004.2	27-Jul-88	19 A	854.5

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U087	1004.2	30-Aug-88	19 F	853.8
03U087	1004.2	21-Sep-88	19 A	853.7
03U087	1004.2	14-Oct-88	20 A	853.6
03U087	1004.2	22-Nov-88	20 F	853.6
03U087	1004.2	02-Dec-88	20 A	853.8
03U087	1004.2	13-Jan-89	21 A	854.0
03U087	1004.2	31-Mar-89	21 A	854.3
03U087	1004.2	05-Aug-89	23 F	852.2
03U087	1004.2	05-Oct-89	24 A	851.7
03U087	1004.2	02-Nov-89	24 F	851.5
03U087	1004.2	21-Dec-89	24 A	851.8
03U087	1004.2	11-Jan-90	25 A	851.7
03U087	1004.2	30-Apr-90	26 F	851.5
03U087	1004.2	16-May-90	26 A	851.5
03U087	1004.2	28-Feb-91	30 A	852.4
03U087	1004.2	27-Mar-91	30 F	852.3
03U087	1004.2	27-Sep-91	32 A	852.3
03U087	1004.2	12-Mar-92	34 F	854.0
03U087	1004.2	24-Mar-92	34 A	881.3
03U087	1004.2	08-Oct-92	36 A	854.4
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
03U088	983.7	08-Oct-92	36 A	854.8
03U089	972.6	24-Nov-87	16 A	858.2
03U089	972.6	30-Nov-87	16 A	858.4
03U089	972.6	14-Dec-87	16 A	858.6
03U089	972.6	14-Dec-87	16 F	858.4
03U089	972.6	11-Jan-88	17 A	859.2
03U089	972.6	26-Jan-88	17 F	858.6
03U089	972.6	13-Apr-88	18 F	858.3
03U089	972.6	02-May-88	18 A	858.5
03U089	972.6	20-May-88	18 A	858.2
03U089	972.6	23-Jun-88	18 A	856.2
03U089	972.6	27-Jul-88	19 A	854.6
03U089	972.6	30-Aug-88	19 F	853.9
03U089	972.6	01-Sep-88	19 A	854.0
03U089	972.6	21-Sep-88	19 A	853.9
03U089	972.6	14-Oct-88	20 A	853.9
03U089	972.6	22-Nov-88	20 F	853.7
03U089	972.6	02-Dec-88	20 A	854.0
03U089	972.6	13-Jan-89	21 A	854.2
03U089	972.6	31-Mar-89	21 A	854.7
03U089	972.6	06-Aug-89	23 F	852.3
03U089	972.6	05-Oct-89	24 A	852.0
03U089	972.6	02-Nov-89	24 F	851.8
03U089	972.6	21-Dec-89	24 A	852.1
03U089	972.6	11-Jan-90	25 A	852.0
03U089	972.6	30-Apr-90	26 F	851.9
03U089	972.6	16-May-90	26 A	851.9
03U089	972.6	28-Feb-91	30 A	852.8
03U089	972.6	26-Mar-91	30 F	852.7
03U089	972.6	27-Sep-91	32 A	852.7
03U089	972.6	13-Mar-92	34 F	854.7
03U089	972.6	24-Mar-92	34 A	854.7
03U089	972.6	08-Oct-92	36 A	854.7
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	853.9
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	36 A	835.6
03U093	993.4	24-Nov-87	16 A	856.6
03U093	993.4	30-Nov-87	16 A	856.7
03U093	993.4	14-Dec-87	16 A	856.7
03U093	993.4	11-Jan-88	17 A	856.9
03U093	993.4	27-Jan-88	17 F	856.8
03U093	993.4	14-Apr-88	18 F	857.0
03U093	993.4	02-May-88	18 A	857.0
03U093	993.4	20-May-88	18 A	856.6
03U093	993.4	23-Jun-88	18 A	855.4

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U093	993.4	27-Jul-88	19 A	853.1
03U093	993.4	30-Aug-88	19 F	852.8
03U093	993.4	01-Sep-88	19 A	852.8
03U093	993.4	21-Sep-88	19 A	852.6
03U093	993.4	14-Oct-88	20 A	852.4
03U093	993.4	22-Nov-88	20 F	852.5
03U093	993.4	02-Dec-88	20 A	852.7
03U093	993.4	13-Jan-89	21 A	852.9
03U093	993.4	31-Mar-89	21 A	852.1
03U093	993.4	05-Aug-89	23 F	850.4
03U093	993.4	05-Oct-89	24 A	849.4
03U093	993.4	04-Nov-89	24 F	849.5
03U093	993.4	21-Dec-89	24 A	849.4
03U093	993.4	11-Jan-90	25 A	849.4
03U093	993.4	16-May-90	26 A	849.3
03U093	993.4	16-Jul-90	27 A	849.3
03U093	993.4	28-Feb-91	30 A	850.1
03U093	993.4	03-Jun-91	31 A	850.1
03U093	993.4	03-Sep-91	32 A	849.6
03U093	993.4	27-Sep-91	32 A	849.8
03U093	993.4	06-Dec-91	33 A	850.9
03U093	993.4	24-Mar-92	34 A	851.8
03U093	993.4	01-Jun-92	35 A	852.4
03U093	993.4	01-Sep-92	36 A	851.7
03U093	993.4	08-Oct-92	36 A	852.1
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U096	994.5	24-Nov-87	16 A	856.5
03U096	994.5	30-Nov-87	16 A	856.6
03U096	994.5	14-Dec-87	16 A	856.7
03U096	994.5	11-Jan-88	17 A	856.9
03U096	994.5	27-Jan-88	17 F	856.8
03U096	994.5	14-Apr-88	18 F	857.0
03U096	994.5	02-May-88	18 A	856.2
03U096	994.5	20-May-88	18 A	856.5
03U096	994.5	23-Jun-88	18 A	855.0
03U096	994.5	27-Jul-88	19 A	853.5
03U096	994.5	30-Aug-88	19 F	852.6
03U096	994.5	01-Sep-88	19 A	852.6
03U096	994.5	21-Sep-88	19 A	852.5
03U096	994.5	14-Oct-88	20 A	852.3
03U096	994.5	22-Nov-88	20 F	852.5
03U096	994.5	02-Dec-88	20 A	852.6
03U096	994.5	13-Jan-89	21 A	852.9
03U096	994.5	31-Mar-89	21 A	852.2
03U096	994.5	05-Aug-89	23 F	848.3
03U096	994.5	05-Oct-89	24 A	849.9
03U096	994.5	04-Nov-89	24 F	849.7
03U096	994.5	21-Dec-89	24 A	849.5
03U096	994.5	11-Jan-90	25 A	849.5
03U096	994.5	16-May-90	26 A	849.4
03U096	994.5	28-Feb-91	30 A	850.2
03U096	994.5	27-Sep-91	32 A	849.9
03U096	994.5	24-Mar-92	34 A	851.9
03U096	994.5	08-Oct-92	36 A	852.2
03U097	937.2	14-Dec-87	16 F	861.8
03U097	937.2	27-Jan-88	17 F	862.1
03U097	937.2	13-Apr-88	18 F	861.5
03U097	937.2	30-Aug-88	19 F	856.6
03U097	937.2	22-Nov-88	20 F	857.2
03U097	937.2	05-Aug-89	23 F	856.6
03U097	937.2	02-Nov-89	24 F	856.6
03U097	937.2	27-Apr-90	26 F	857.0
03U097	937.2	26-Mar-91	30 F	858.1
03U097	937.2	13-Mar-92	34 F	860.4
03U099	952.2	14-Dec-87	16 F	857.9
03U099	952.2	26-Jan-88	17 F	858.0
03U099	952.2	13-Apr-88	18 F	858.6
03U099	952.2	30-Aug-88	19 F	854.7
03U099	952.2	22-Nov-88	20 F	853.9
03U099	952.2	05-Aug-89	23 F	852.5
03U099	952.2	02-Nov-89	24 F	851.2
03U099	952.2	26-Apr-90	26 F	851.0
03U099	952.2	25-Mar-91	30 F	851.1
03U099	952.2	11-Mar-92	34 F	853.1
03U111	924.6	24-Nov-87	16 A	862.8
03U111	924.6	30-Nov-87	16 A	863.0
03U111	924.6	14-Dec-87	16 A	863.3
03U111	924.6	14-Dec-87	16 F	861.9
03U111	924.6	11-Jan-88	17 A	863.5
03U111	924.6	27-Jan-88	17 F	862.1
03U111	924.6	13-Apr-88	18 F	861.7
03U111	924.6	02-May-88	18 A	863.0
03U111	924.6	20-May-88	18 A	862.8
03U111	924.6	23-Jun-88	18 A	860.2
03U111	924.6	27-Jul-88	19 A	858.1
03U111	924.6	30-Aug-88	19 F	856.7
03U111	924.6	01-Sep-88	19 A	858.0
03U111	924.6	21-Sep-88	19 A	858.2
03U111	924.6	14-Oct-88	20 A	858.4
03U111	924.6	22-Nov-88	20 F	857.3
03U111	924.6	02-Dec-88	20 A	858.7
03U111	924.6	13-Jan-89	21 A	859.0
03U111	924.6	31-Mar-89	21 A	860.9
03U111	924.6	06-Aug-89	23 F	856.6
03U111	924.6	05-Oct-89	24 A	857.9
03U111	924.6	02-Nov-89	24 F	856.6
03U111	924.6	21-Dec-89	24 A	858.1
03U111	924.6	11-Jan-90	25 A	858.3
03U111	924.6	03-May-90	26 F	856.4
03U111	924.6	16-May-90	26 A	858.2
03U111	924.6	28-Feb-91	30 A	859.6
03U111	924.6	01-Apr-91	30 F	858.1
03U111	924.6	27-Sep-91	32 A	859.5
03U111	924.6	13-Mar-92	34 F	860.4
03U111	924.6	24-Mar-92	34 A	861.7
03U111	924.6	08-Oct-92	36 A	861.1
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	853.4
03U113	974.3	14-Dec-87	16 A	861.3
03U113	974.3	14-Dec-87	16 F	858.3
03U113	974.3	27-Jan-88	17 F	858.5
03U113	974.3	14-Apr-88	18 F	858.7
03U113	974.3	02-May-88	18 A	861.4
03U113	974.3	20-May-88	18 A	861.1
03U113	974.3	27-Jul-88	19 A	858.0
03U113	974.3	30-Aug-88	19 F	854.5
03U113	974.3	01-Sep-88	19 A	857.1
03U113	974.3	21-Sep-88	19 A	856.9
03U113	974.3	14-Oct-88	20 A	856.8
03U113	974.3	22-Nov-88	20 F	854.1
03U113	974.3	02-Dec-88	20 A	856.9
03U113	974.3	13-Jan-89	21 A	857.1
03U113	974.3	31-Mar-89	21 A	857.1
03U113	974.3	05-Aug-89	23 F	852.6
03U113	974.3	05-Oct-89	24 A	854.6
03U113	974.3	02-Nov-89	24 F	851.8
03U113	974.3	21-Dec-89	24 A	854.5
03U113	974.3	11-Jan-90	25 A	854.4
03U113	974.3	27-Apr-90	26 F	851.8
03U113	974.3	16-May-90	26 A	854.3
03U113	974.3	18-Jul-90	27 F	851.8
03U113	974.3	28-Feb-91	30 A	855.1
03U113	974.3	28-Mar-91	30 F	852.3
03U113	974.3	27-Sep-91	32 A	854.9
03U113	974.3	12-Mar-92	34 F	854.4
03U113	974.3	24-Mar-92	34 A	857.0
03U113	974.3	08-Oct-92	36 A	857.1
03U114	973.2	14-Dec-87	16 F	857.6
03U114	973.2	26-Jan-88	17 F	857.7
03U114	973.2	14-Apr-88	18 F	857.9
03U114	973.2	30-Aug-88	19 F	853.8
03U114	973.2	22-Nov-88	20 F	853.3
03U114	973.2	05-Aug-89	23 F	851.7
03U114	973.2	02-Nov-89	24 F	850.7
03U114	973.2	01-May-90	26 F	850.5
03U114	973.2	18-Jul-90	27 F	850.4
03U114	973.2	17-Sep-90	28 F	850.2
03U114	973.2	29-Mar-91	30 F	850.9

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U114	973.2	04-Jun-91	31 F	850.9
03U114	973.2	04-Sep-91	32 F	850.4
03U114	973.2	11-Mar-92	34 F	852.8
03U114	973.2	02-Jun-92	35 F	853.6
03U114	973.2	02-Sep-92	36 F	853.0
03U121	970.0	14-Dec-87	16 F	857.3
03U121	970.0	26-Jan-88	17 F	857.6
03U121	970.0	14-Apr-88	18 F	857.6
03U121	970.0	30-Aug-88	19 F	853.4
03U121	970.0	22-Nov-88	20 F	852.9
03U121	970.0	06-Aug-89	23 F	851.6
03U121	970.0	02-Nov-89	24 F	850.5
03U121	970.0	01-May-90	26 F	850.4
03U121	970.0	18-Jul-90	27 F	850.3
03U121	970.0	17-Sep-90	28 F	850.2
03U121	970.0	28-Mar-91	30 F	850.9
03U121	970.0	12-Mar-92	34 F	852.9
03U124	1004.3	14-Apr-88	18 F	858.2
03U124	1004.3	22-Nov-88	20 F	857.2
03U124	1004.3	06-Aug-89	23 F	852.7
03U124	1004.3	02-Nov-89	24 F	851.9
03U124	1004.3	27-Apr-90	26 F	851.9
03U124	1004.3	19-Jul-90	27 F	851.9
03U124	1004.3	19-Sep-90	28 F	851.7
03U124	1004.3	25-Mar-91	30 F	854.5
03U124	1004.3	04-Jun-91	31 F	852.6
03U124	1004.3	04-Sep-91	32 F	850.4
03U124	1004.3	13-Mar-92	34 F	854.7
03U124	1004.3	03-Jun-92	35 F	855.1
03U124	1004.3	02-Sep-92	36 F	854.4
03U129	911.2	14-Dec-87	16 F	862.5
03U129	911.2	27-Jan-88	17 F	862.7
03U129	911.2	13-Apr-88	18 F	862.3
03U129	911.2	30-Aug-88	19 F	857.1
03U129	911.2	22-Nov-88	20 F	858.0
03U129	911.2	05-Aug-89	23 F	858.1
03U129	911.2	02-Nov-89	24 F	857.4
03U129	911.2	25-Apr-90	26 F	857.1
03U129	911.2	01-Apr-91	30 F	859.0
03U129	911.2	13-Mar-92	34 F	861.3
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
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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	829.2
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	36 A	845.2
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	36 A	828.3

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	843.1
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	36 A	843.7
03U521	1004.7	14-Dec-87	16 F	858.2
03U521	1004.7	26-Jan-88	17 F	858.4
03U521	1004.7	13-Apr-88	18 F	858.1
03U521	1004.7	30-Aug-88	19 F	853.7
03U521	1004.7	22-Nov-88	20 F	853.6
03U521	1004.7	06-Aug-89	23 F	852.2
03U521	1004.7	02-Nov-89	24 F	851.6
03U521	1004.7	25-Apr-90	26 F	851.6
03U521	1004.7	19-Jul-90	27 F	851.6
03U521	1004.7	01-Apr-91	30 F	852.2
03U521	1004.7	12-Mar-92	34 F	854.4
03U647	959.4	14-Dec-87	16 F	854.9
03U647	959.4	27-Jan-88	17 F	855.0

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U647	959.4	14-Apr-88	18 F	855.9
03U647	959.4	02-May-88	18 A	855.4
03U647	959.4	20-May-88	18 A	855.0
03U647	959.4	23-Jun-88	18 A	854.1
03U647	959.4	27-Jul-88	19 A	852.6
03U647	959.4	30-Aug-88	19 F	851.5
03U647	959.4	01-Sep-88	19 A	851.4
03U647	959.4	21-Sep-88	19 A	851.1
03U647	959.4	14-Oct-88	20 A	850.9
03U647	959.4	23-Nov-88	20 F	851.4
03U647	959.4	02-Dec-88	20 A	851.0
03U647	959.4	13-Jan-89	21 A	851.5
03U647	959.4	31-Mar-89	21 A	849.8
03U647	959.4	05-Aug-89	23 F	848.7
03U647	959.4	05-Oct-89	24 A	847.9
03U647	959.4	03-Nov-89	24 F	847.7
03U647	959.4	21-Dec-89	24 A	847.5
03U647	959.4	11-Jan-90	25 A	847.4
03U647	959.4	16-May-90	26 A	847.2
03U647	959.4	28-Feb-91	30 A	847.8
03U647	959.4	27-Sep-91	32 A	847.4
03U647	959.4	24-Mar-92	34 A	849.3
03U647	959.4	08-Oct-92	36 A	849.8
03U648	959.0	14-Dec-87	16 A	854.0
03U648	959.0	14-Dec-87	16 F	854.9
03U648	959.0	11-Jan-88	17 A	855.0
03U648	959.0	27-Jan-88	17 F	855.0
03U648	959.0	14-Apr-88	18 F	855.8
03U648	959.0	02-May-88	18 A	855.4
03U648	959.0	20-May-88	18 A	855.0
03U648	959.0	23-Jun-88	18 A	854.1
03U648	959.0	27-Jul-88	19 A	852.5
03U648	959.0	30-Aug-88	19 F	851.4
03U648	959.0	01-Sep-88	19 A	851.3
03U648	959.0	21-Sep-88	19 A	851.1
03U648	959.0	14-Oct-88	20 A	850.9
03U648	959.0	23-Nov-88	20 F	851.3
03U648	959.0	02-Dec-88	20 A	851.0
03U648	959.0	13-Jan-89	21 A	851.4
03U648	959.0	31-Mar-89	21 A	849.9
03U648	959.0	05-Aug-89	23 F	848.6
03U648	959.0	05-Oct-89	24 A	847.8
03U648	959.0	03-Nov-89	24 F	847.6
03U648	959.0	21-Dec-89	24 A	847.5
03U648	959.0	11-Jan-90	25 A	847.3
03U648	959.0	16-May-90	26 A	847.2
03U648	959.0	28-Feb-91	30 A	847.7
03U648	959.0	27-Sep-91	32 A	847.3
03U648	959.0	24-Mar-92	34 A	849.3
03U648	959.0	08-Oct-92	36 A	849.8
03U658	963.0	14-Dec-87	16 A	855.5

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	850.6
03U659	956.3	14-Dec-87	16 A	853.8
03U659	956.3	11-Jan-88	17 A	854.0
03U659	956.3	27-Jan-88	17 F	854.0
03U659	956.3	14-Apr-88	18 F	855.2
03U659	956.3	02-May-88	18 A	854.6
03U659	956.3	20-May-88	18 A	854.1
03U659	956.3	23-Jun-88	18 A	853.5
03U659	956.3	27-Jul-88	19 A	851.9
03U659	956.3	30-Aug-88	19 F	850.6
03U659	956.3	01-Sep-88	19 A	850.5
03U659	956.3	21-Sep-88	19 A	850.5
03U659	956.3	14-Oct-88	20 A	849.9
03U659	956.3	23-Nov-88	20 F	850.6
03U659	956.3	02-Dec-88	20 A	850.4
03U659	956.3	13-Jan-89	21 A	850.7
03U659	956.3	31-Mar-89	21 A	848.5
03U659	956.3	05-Aug-89	23 F	847.5
03U659	956.3	05-Oct-89	24 A	846.6
03U659	956.3	03-Nov-89	24 F	846.4
03U659	956.3	21-Dec-89	24 A	846.2
03U659	956.3	11-Jan-90	25 A	846.0
03U659	956.3	16-May-90	26 A	846.0
03U659	956.3	28-Feb-91	30 A	846.3
03U659	956.3	27-Sep-91	32 A	845.9
03U659	956.3	24-Mar-92	34 A	847.8
03U659	956.3	08-Oct-92	36 A	848.3

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U671	930.2	24-Nov-87	16 A	851.6
03U671	930.2	30-Nov-87	16 A	851.7
03U671	930.2	14-Dec-87	16 A	851.7
03U671	930.2	15-Dec-87	16 F	851.6
03U671	930.2	11-Jan-88	17 A	851.9
03U671	930.2	28-Jan-88	17 F	851.8
03U671	930.2	13-Apr-88	18 F	854.0
03U671	930.2	02-May-88	18 A	852.7
03U671	930.2	20-May-88	18 A	851.8
03U671	930.2	23-Jun-88	18 A	851.5
03U671	930.2	27-Jul-88	19 A	850.0
03U671	930.2	30-Aug-88	19 F	848.7
03U671	930.2	01-Sep-88	19 A	848.5
03U671	930.2	21-Sep-88	19 A	848.1
03U671	930.2	14-Oct-88	20 A	847.9
03U671	930.2	23-Nov-88	20 F	848.9
03U671	930.2	02-Dec-88	20 A	849.2
03U671	930.2	13-Jan-89	21 A	849.3
03U671	930.2	31-Mar-89	21 A	846.3
03U671	930.2	07-Aug-89	23 F	845.0
03U671	930.2	05-Oct-89	24 A	844.5
03U671	930.2	02-Nov-89	24 F	843.8
03U671	930.2	21-Dec-89	24 A	843.3
03U671	930.2	11-Jan-90	25 A	843.4
03U671	930.2	16-May-90	26 A	843.4
03U671	930.2	28-Feb-91	30 A	843.7
03U671	930.2	27-Sep-91	32 A	843.1
03U671	930.2	24-Mar-92	34 A	844.9
03U671	930.2	08-Oct-92	36 A	845.5
03U672	922.7	17-Nov-87	16 A	853.7
03U672	922.7	30-Nov-87	16 A	853.5
03U672	922.7	14-Dec-87	16 A	853.7
03U672	922.7	14-Dec-87	16 F	853.2
03U672	922.7	11-Jan-88	17 A	853.2
03U672	922.7	28-Jan-88	17 F	853.4
03U672	922.7	13-Apr-88	18 F	854.7
03U672	922.7	02-May-88	18 A	854.1
03U672	922.7	20-May-88	18 A	853.6
03U672	922.7	23-Jun-88	18 A	853.0
03U672	922.7	27-Jul-88	19 A	851.6
03U672	922.7	30-Aug-88	19 F	850.4
03U672	922.7	01-Sep-88	19 A	850.3
03U672	922.7	21-Sep-88	19 A	851.1
03U672	922.7	14-Oct-88	20 A	849.7
03U672	922.7	23-Nov-88	20 F	850.0
03U672	922.7	02-Dec-88	20 A	849.9
03U672	922.7	13-Jan-89	21 A	850.3
03U672	922.7	31-Mar-89	21 A	847.9
03U672	922.7	07-Jul-89	23 A	846.8
03U672	922.7	03-Aug-89	23 F	846.6
03U672	922.7	05-Oct-89	24 A	845.9
03U672	922.7	02-Nov-89	24 F	845.5
03U672	922.7	21-Dec-89	24 A	845.6
03U672	922.7	11-Jan-90	25 A	845.5
03U672	922.7	16-May-90	26 A	845.4
03U672	922.7	16-Jul-90	27 A	845.0
03U672	922.7	28-Feb-91	30 A	845.8
03U672	922.7	03-Jun-91	31 A	845.4
03U672	922.7	03-Sep-91	32 A	845.2
03U672	922.7	27-Sep-91	32 A	845.1
03U672	922.7	06-Dec-91	33 A	846.4
03U672	922.7	24-Mar-92	34 A	847.0
03U672	922.7	01-Jun-92	35 A	847.8
03U672	922.7	01-Sep-92	36 A	847.4
03U672	922.7	08-Oct-92	36 A	847.8
03U673	896.8	17-Nov-87	16 A	847.2
03U673	896.8	24-Nov-87	16 A	846.6
03U673	896.8	30-Nov-87	16 A	847.0
03U673	896.8	14-Dec-87	16 A	847.2
03U673	896.8	14-Dec-87	16 F	846.1
03U673	896.8	11-Jan-88	17 A	846.3
03U673	896.8	27-Jan-88	17 F	846.2
03U673	896.8	13-Apr-88	18 F	847.6
03U673	896.8	02-May-88	18 A	846.9
03U673	896.8	20-May-88	18 A	846.5
03U673	896.8	23-Jun-88	18 A	845.5
03U673	896.8	27-Jul-88	19 A	844.6
03U673	896.8	30-Aug-88	19 F	843.6
03U673	896.8	01-Sep-88	19 A	843.6
03U673	896.8	21-Sep-88	19 A	843.2
03U673	896.8	14-Oct-88	20 A	843.4
03U673	896.8	23-Nov-88	20 F	844.9
03U673	896.8	02-Dec-88	20 A	843.4
03U673	896.8	13-Jan-89	21 A	843.8
03U673	896.8	31-Mar-89	21 A	841.9
03U673	896.8	07-Jul-89	23 A	840.4
03U673	896.8	03-Aug-89	23 F	840.5
03U673	896.8	05-Oct-89	24 A	840.1
03U673	896.8	02-Nov-89	24 F	839.4
03U673	896.8	21-Dec-89	24 A	839.1
03U673	896.8	11-Jan-90	25 A	839.3
03U673	896.8	16-May-90	26 A	839.1
03U673	896.8	16-Jul-90	27 A	838.8
03U673	896.8	28-Feb-91	30 A	839.1
03U673	896.8	03-Jun-91	31 A	838.7
03U673	896.8	03-Sep-91	32 A	838.2
03U673	896.8	27-Sep-91	32 A	838.4
03U673	896.8	06-Dec-91	33 A	839.5
03U673	896.8	24-Mar-92	34 A	840.1
03U673	896.8	01-Jun-92	35 A	840.6
03U673	896.8	01-Sep-92	36 A	840.1
03U673	896.8	08-Oct-92	36 A	840.8
03U674	955.0	14-Dec-87	16 A	852.8

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U674	955.0	15-Dec-87	16 F	853.4
03U674	955.0	27-Jan-88	17 F	854.2
03U674	955.0	13-Apr-88	18 F	855.7
03U674	955.0	02-May-88	18 A	854.4
03U674	955.0	20-May-88	18 A	853.7
03U674	955.0	23-Jun-88	18 A	853.4
03U674	955.0	27-Jul-88	19 A	851.6
03U674	955.0	30-Aug-88	19 F	850.3
03U674	955.0	01-Sep-88	19 A	850.0
03U674	955.0	21-Sep-88	19 A	850.2
03U674	955.0	14-Oct-88	20 A	849.1
03U674	955.0	23-Nov-88	20 F	851.0
03U674	955.0	02-Dec-88	20 A	850.3
03U674	955.0	13-Jan-89	21 A	850.6
03U674	955.0	31-Mar-89	21 A	847.5
03U674	955.0	05-Aug-89	23 F	847.3
03U674	955.0	05-Oct-89	24 A	845.7
03U674	955.0	02-Nov-89	24 F	846.2
03U674	955.0	21-Dec-89	24 A	845.2
03U674	955.0	11-Jan-90	25 A	845.1
03U674	955.0	16-May-90	26 A	845.6
03U674	955.0	28-Feb-91	30 A	845.3
03U674	955.0	27-Sep-91	32 A	844.8
03U674	955.0	24-Mar-92	34 A	846.6
03U674	955.0	08-Oct-92	36 A	847.2
03U676	959.5	02-May-88	18 A	855.2
03U676	959.5	20-May-88	18 A	854.7
03U676	959.5	23-Jun-88	18 A	853.9
03U676	959.5	27-Jul-88	19 A	852.4
03U676	959.5	01-Sep-88	19 A	851.1
03U676	959.5	21-Sep-88	19 A	851.0
03U676	959.5	14-Oct-88	20 A	850.5
03U676	959.5	02-Dec-88	20 A	850.9
03U676	959.5	13-Jan-89	21 A	851.3
03U676	959.5	31-Mar-89	21 A	849.5
03U676	959.5	05-Oct-89	24 A	847.4
03U676	959.5	21-Dec-89	24 A	847.0
03U676	959.5	11-Jan-90	25 A	846.9
03U676	959.5	28-Feb-91	30 A	847.2
03U676	959.5	27-Sep-91	32 A	847.2
03U701	909.0	17-Nov-87	16 A	849.2
03U701	909.0	24-Nov-87	16 A	849.3
03U701	909.0	30-Nov-87	16 A	849.6
03U701	909.0	14-Dec-87	16 F	849.3
03U701	909.0	11-Jan-88	17 A	849.7
03U701	909.0	27-Jan-88	17 F	849.5
03U701	909.0	13-Apr-88	18 F	851.1
03U701	909.0	02-May-88	18 A	849.7
03U701	909.0	20-May-88	18 A	849.1
03U701	909.0	23-Jun-88	18 A	847.4
03U701	909.0	27-Jul-88	19 A	846.6

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U701	909.0	30-Aug-88	19 F	845.6
03U701	909.0	01-Sep-88	19 A	845.7
03U701	909.0	21-Sep-88	19 A	845.5
03U701	909.0	14-Oct-88	20 A	845.6
03U701	909.0	23-Nov-88	20 F	847.0
03U701	909.0	02-Dec-88	20 A	846.7
03U701	909.0	13-Jan-89	21 A	847.0
03U701	909.0	31-Mar-89	21 A	843.5
03U701	909.0	05-Aug-89	23 F	841.8
03U701	909.0	05-Oct-89	24 A	841.3
03U701	909.0	03-Nov-89	24 F	841.4
03U701	909.0	21-Dec-89	24 A	840.9
03U701	909.0	11-Jan-90	25 A	841.1
03U701	909.0	16-May-90	26 A	841.2
03U701	909.0	28-Feb-91	30 A	841.6
03U701	909.0	27-Sep-91	32 A	840.9
03U701	909.0	24-Mar-92	34 A	842.9
03U701	909.0	08-Oct-92	36 A	843.2
03U702	908.5	17-Nov-87	16 A	848.8
03U702	908.5	24-Nov-87	16 A	849.0
03U702	908.5	30-Nov-87	16 A	849.3
03U702	908.5	14-Dec-87	16 F	849.0
03U702	908.5	11-Jan-88	17 A	849.4
03U702	908.5	27-Jan-88	17 F	849.1
03U702	908.5	13-Apr-88	18 F	850.6
03U702	908.5	02-May-88	18 A	849.3
03U702	908.5	20-May-88	18 A	848.7
03U702	908.5	23-Jun-88	18 A	846.9
03U702	908.5	27-Jul-88	19 A	846.1
03U702	908.5	30-Aug-88	19 F	845.2
03U702	908.5	01-Sep-88	19 A	845.2
03U702	908.5	21-Sep-88	19 A	845.2
03U702	908.5	14-Oct-88	20 A	845.2
03U702	908.5	23-Nov-88	20 F	846.6
03U702	908.5	02-Dec-88	20 A	846.3
03U702	908.5	13-Jan-89	21 A	846.6
03U702	908.5	31-Mar-89	21 A	843.2
03U702	908.5	05-Aug-89	23 F	841.3
03U702	908.5	05-Oct-89	24 A	840.9
03U702	908.5	03-Nov-89	24 F	840.0
03U702	908.5	21-Dec-89	24 A	840.0
03U702	908.5	11-Jan-90	25 A	840.8
03U702	908.5	16-May-90	26 A	840.8
03U702	908.5	28-Feb-91	30 A	841.2
03U702	908.5	27-Sep-91	32 A	840.6
03U702	908.5	24-Mar-92	34 A	842.5
03U702	908.5	08-Oct-92	36 A	842.8
03U703	918.9	17-Nov-87	16 A	849.1
03U703	918.9	24-Nov-87	16 A	849.3
03U703	918.9	30-Nov-87	16 A	849.4
03U703	918.9	14-Dec-87	16 A	849.6

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U703	918.9	11-Jan-88	17 A	849.9
03U703	918.9	27-Jan-88	17 F	849.7
03U703	918.9	13-Apr-88	18 F	853.9
03U703	918.9	02-May-88	18 A	850.8
03U703	918.9	20-May-88	18 A	849.7
03U703	918.9	23-Jun-88	18 A	849.8
03U703	918.9	27-Jul-88	19 A	847.5
03U703	918.9	30-Aug-88	19 F	847.9
03U703	918.9	01-Sep-88	19 A	847.5
03U703	918.9	21-Sep-88	19 A	847.1
03U703	918.9	14-Oct-88	20 A	845.9
03U703	918.9	23-Nov-88	20 F	849.6
03U703	918.9	02-Dec-88	20 A	849.3
03U703	918.9	13-Jan-89	21 A	847.2
03U703	918.9	31-Mar-89	21 A	843.8
03U703	918.9	05-Aug-89	23 F	842.7
03U703	918.9	05-Oct-89	24 A	842.2
03U703	918.9	02-Nov-89	24 F	841.8
03U703	918.9	21-Dec-89	24 A	842.2
03U703	918.9	11-Jan-90	25 A	841.3
03U703	918.9	16-May-90	26 A	840.8
03U703	918.9	28-Feb-91	30 A	841.2
03U703	918.9	27-Sep-91	32 A	840.2
03U703	918.9	24-Mar-92	34 A	842.0
03U703	918.9	08-Oct-92	36 A	842.8
03U704	976.5	24-Nov-87	16 A	859.3
03U704	976.5	30-Nov-87	16 A	859.4
03U704	976.5	14-Dec-87	16 F	859.6
03U704	976.5	11-Jan-88	17 A	859.8
03U704	976.5	27-Jan-88	17 F	859.8
03U704	976.5	13-Apr-88	18 F	856.5
03U704	976.5	02-May-88	18 A	859.5
03U704	976.5	20-May-88	18 A	859.2
03U704	976.5	23-Jun-88	18 A	856.8
03U704	976.5	27-Jul-88	19 A	855.2
03U704	976.5	30-Aug-88	19 F	854.8
03U704	976.5	01-Sep-88	19 A	854.8
03U704	976.5	21-Sep-88	19 A	854.7
03U704	976.5	14-Oct-88	20 A	854.7
03U704	976.5	23-Nov-88	20 F	854.5
03U704	976.5	02-Dec-88	20 A	854.6
03U704	976.5	13-Jan-89	21 A	854.9
03U704	976.5	31-Mar-89	21 A	847.0
03U704	976.5	07-Jul-89	23 A	854.7
03U704	976.5	05-Aug-89	23 F	853.6
03U704	976.5	05-Oct-89	24 A	853.2
03U704	976.5	02-Nov-89	24 F	853.6
03U704	976.5	21-Dec-89	24 A	853.4
03U704	976.5	11-Jan-90	25 A	853.3
03U704	976.5	27-Apr-90	26 F	853.3
03U704	976.5	16-May-90	26 A	853.2
03U704	976.5	16-Jul-90	27 A	853.4

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U704	976.5	28-Feb-91	30 A	854.2
03U704	976.5	03-Jun-91	31 A	854.4
03U704	976.5	03-Sep-91	32 A	853.7
03U704	976.5	27-Sep-91	32 A	854.2
03U704	976.5	06-Dec-91	33 A	855.4
03U704	976.5	24-Mar-92	34 A	856.2
03U704	976.5	08-Oct-92	36 A	856.1
03U705	1047.5	24-Nov-87	16 A	859.5
03U705	1047.5	30-Nov-87	16 A	859.6
03U705	1047.5	14-Dec-87	16 A	859.9
03U705	1047.5	15-Dec-87	16 F	859.9
03U705	1047.5	11-Jan-88	17 A	860.1
03U705	1047.5	27-Jan-88	17 F	860.2
03U705	1047.5	13-Apr-88	18 F	858.9
03U705	1047.5	02-May-88	18 A	859.8
03U705	1047.5	20-May-88	18 A	859.5
03U705	1047.5	23-Jun-88	18 A	857.1
03U705	1047.5	27-Jul-88	19 A	855.4
03U705	1047.5	30-Aug-88	19 F	855.1
03U705	1047.5	01-Sep-88	19 A	855.0
03U705	1047.5	21-Sep-88	19 A	855.0
03U705	1047.5	14-Oct-88	20 A	855.0
03U705	1047.5	05-Aug-89	23 F	854.3
03U705	1047.5	05-Oct-89	24 A	853.6
03U705	1047.5	21-Dec-89	24 A	853.9
03U705	1047.5	11-Jan-90	25 A	853.8
03U705	1047.5	24-Apr-90	26 F	853.9
03U705	1047.5	16-May-90	26 A	853.7
03U705	1047.5	19-Jul-90	27 F	853.9
03U705	1047.5	21-Sep-90	28 F	853.8
03U705	1047.5	28-Feb-91	30 A	854.8
03U705	1047.5	03-Jun-91	31 A	855.0
03U705	1047.5	03-Sep-91	32 A	854.3
03U705	1047.5	27-Sep-91	32 A	854.8
03U705	1047.5	06-Dec-91	33 A	856.0
03U705	1047.5	24-Mar-92	34 A	856.9
03U705	1047.5	08-Oct-92	36 A	856.7
03U706	918.4	24-Nov-87	16 A	859.4
03U706	918.4	30-Nov-87	16 A	859.5
03U706	918.4	14-Dec-87	16 A	859.7
03U706	918.4	14-Dec-87	16 F	859.8
03U706	918.4	11-Jan-88	17 A	859.9
03U706	918.4	27-Jan-88	17 F	860.0
03U706	918.4	13-Apr-88	18 F	859.1
03U706	918.4	02-May-88	18 A	859.5
03U706	918.4	20-May-88	18 A	859.2
03U706	918.4	23-Jun-88	18 A	856.4
03U706	918.4	27-Jul-88	19 A	855.0
03U706	918.4	30-Aug-88	19 F	854.9
03U706	918.4	01-Sep-88	19 A	854.8
03U706	918.4	21-Sep-88	19 A	854.7

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U706	918.4	14-Oct-88	20 A	854.9
03U706	918.4	23-Nov-88	20 F	854.9
03U706	918.4	02-Dec-88	20 A	854.8
03U706	918.4	13-Jan-89	21 A	855.2
03U706	918.4	31-Mar-89	21 A	856.3
03U706	918.4	07-Jul-89	23 A	854.7
03U706	918.4	05-Aug-89	23 F	854.0
03U706	918.4	05-Oct-89	24 A	853.3
03U706	918.4	04-Nov-89	24 F	853.6
03U706	918.4	21-Dec-89	24 A	853.7
03U706	918.4	11-Jan-90	25 A	853.7
03U706	918.4	16-May-90	26 A	853.5
03U706	918.4	16-Jul-90	27 A	853.7
03U706	918.4	28-Feb-91	30 A	854.5
03U706	918.4	03-Jun-91	31 A	854.8
03U706	918.4	03-Sep-91	32 A	854.0
03U706	918.4	27-Sep-91	32 A	854.6
03U706	918.4	06-Dec-91	33 A	855.7
03U706	918.4	24-Mar-92	34 A	856.5
03U706	918.4	01-Jun-92	35 A	854.7
03U706	918.4	01-Sep-92	36 A	855.8
03U706	918.4	08-Oct-92	36 A	856.4
03U707	916.3	24-Nov-87	16 A	859.9
03U707	916.3	30-Nov-87	16 A	860.1
03U707	916.3	14-Dec-87	16 A	860.2
03U707	916.3	11-Jan-88	17 A	860.4
03U707	916.3	27-Jan-88	17 F	860.4
03U707	916.3	13-Apr-88	18 F	859.3
03U707	916.3	02-May-88	18 A	860.0
03U707	916.3	20-May-88	18 A	859.6
03U707	916.3	23-Jun-88	18 A	856.7
03U707	916.3	27-Jul-88	19 A	855.1
03U707	916.3	30-Aug-88	19 F	855.1
03U707	916.3	01-Sep-88	19 A	855.1
03U707	916.3	21-Sep-88	19 A	855.1
03U707	916.3	14-Oct-88	20 A	855.4
03U707	916.3	23-Nov-88	20 F	855.4
03U707	916.3	02-Dec-88	20 A	855.5
03U707	916.3	13-Jan-89	21 A	855.8
03U707	916.3	31-Mar-89	21 A	857.0
03U707	916.3	05-Aug-89	23 F	854.2
03U707	916.3	05-Oct-89	24 A	854.0
03U707	916.3	04-Nov-89	24 F	854.2
03U707	916.3	21-Dec-89	24 A	854.4
03U707	916.3	11-Jan-90	25 A	854.5
03U707	916.3	16-May-90	26 A	854.3
03U707	916.3	28-Feb-91	30 A	855.3
03U707	916.3	27-Sep-91	32 A	855.4
03U707	916.3	24-Mar-92	34 A	857.3
03U707	916.3	08-Oct-92	36 A	857.0
03U708	919.9	17-Nov-87	16 A	851.5
03U708	919.9	24-Nov-87	16 A	851.1
03U708	919.9	30-Nov-87	16 A	851.1
03U708	919.9	14-Dec-87	16 F	850.9
03U708	919.9	11-Jan-88	17 A	851.4
03U708	919.9	27-Jan-88	17 F	851.2
03U708	919.9	13-Apr-88	18 F	853.6
03U708	919.9	02-May-88	18 A	852.1
03U708	919.9	20-May-88	18 A	851.2
03U708	919.9	23-Jun-88	18 A	851.0
03U708	919.9	27-Jul-88	19 A	849.6
03U708	919.9	30-Aug-88	19 F	848.1
03U708	919.9	01-Sep-88	19 A	848.0
03U708	919.9	21-Sep-88	19 A	847.6
03U708	919.9	14-Oct-88	20 A	847.5
03U708	919.9	23-Nov-88	20 F	848.6
03U708	919.9	02-Dec-88	20 A	849.0
03U708	919.9	13-Jan-89	21 A	848.9
03U708	919.9	31-Mar-89	21 A	845.7
03U708	919.9	05-Aug-89	23 F	844.4
03U708	919.9	05-Oct-89	24 A	843.9
03U708	919.9	02-Nov-89	24 F	843.3
03U708	919.9	21-Dec-89	24 A	842.9
03U708	919.9	11-Jan-90	25 A	842.7
03U708	919.9	16-May-90	26 A	842.8
03U708	919.9	28-Feb-91	30 A	843.1
03U708	919.9	27-Sep-91	32 A	842.5
03U708	919.9	24-Mar-92	34 A	844.3
03U708	919.9	08-Oct-92	36 A	843.9
03U708	919.9	08-Oct-92	36 A	844.9
03U709	910.2	17-Nov-87	16 A	850.3
03U709	910.2	24-Nov-87	16 A	850.3
03U709	910.2	30-Nov-87	16 A	850.3
03U709	910.2	14-Dec-87	16 A	850.3
03U709	910.2	11-Jan-88	17 A	850.5
03U709	910.2	27-Jan-88	17 F	850.3
03U709	910.2	13-Apr-88	18 F	852.6
03U709	910.2	02-May-88	18 A	850.8
03U709	910.2	20-May-88	18 A	850.1
03U709	910.2	23-Jun-88	18 A	849.5
03U709	910.2	27-Jul-88	19 A	848.4
03U709	910.2	30-Aug-88	19 F	847.1
03U709	910.2	01-Sep-88	19 A	846.9
03U709	910.2	21-Sep-88	19 A	846.4
03U709	910.2	14-Oct-88	20 A	846.6
03U709	910.2	23-Nov-88	20 F	848.0
03U709	910.2	02-Dec-88	20 A	848.2
03U709	910.2	13-Jan-89	21 A	848.1
03U709	910.2	31-Mar-89	21 A	844.6
03U709	910.2	05-Aug-89	23 F	843.0
03U709	910.2	05-Oct-89	24 A	842.7
03U709	910.2	02-Nov-89	24 F	842.4
03U709	910.2	21-Dec-89	24 A	841.9

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U709	910.2	11-Jan-90	25 A	841.7
03U709	910.2	16-May-90	26 A	841.9
03U709	910.2	28-Feb-91	30 A	842.3
03U709	910.2	27-Sep-91	32 A	841.8
03U709	910.2	24-Mar-92	34 A	843.7
03U709	910.2	08-Oct-92	36 A	844.1
03U710	945.0	17-Nov-87	16 A	851.3
03U710	945.0	24-Nov-87	16 A	851.5
03U710	945.0	30-Nov-87	16 A	851.6
03U710	945.0	14-Dec-87	16 A	851.4
03U710	945.0	11-Jan-88	17 A	851.8
03U710	945.0	27-Jan-88	17 F	850.6
03U710	945.0	13-Apr-88	18 F	854.1
03U710	945.0	02-May-88	18 A	852.5
03U710	945.0	20-May-88	18 A	851.8
03U710	945.0	23-Jun-88	18 A	851.6
03U710	945.0	27-Jul-88	19 A	849.9
03U710	945.0	30-Aug-88	19 F	848.8
03U710	945.0	01-Sep-88	19 A	848.5
03U710	945.0	21-Sep-88	19 A	848.3
03U710	945.0	14-Oct-88	20 A	847.9
03U710	945.0	23-Nov-88	20 F	849.0
03U710	945.0	02-Dec-88	20 A	849.5
03U710	945.0	13-Jan-89	21 A	849.0
03U710	945.0	31-Mar-89	21 A	845.7
03U710	945.0	05-Aug-89	23 F	844.6
03U710	945.0	05-Oct-89	24 A	843.9
03U710	945.0	02-Nov-89	24 F	843.1
03U710	945.0	21-Dec-89	24 A	843.6
03U710	945.0	11-Jan-90	25 A	843.0
03U710	945.0	16-May-90	26 A	842.9
03U710	945.0	28-Feb-91	30 A	843.2
03U710	945.0	27-Sep-91	32 A	842.6
03U710	945.0	24-Mar-92	34 A	844.4
03U710	945.0	08-Oct-92	36 A	845.2
03U711	906.4	24-Nov-87	16 A	849.9
03U711	906.4	30-Nov-87	16 A	849.9
03U711	906.4	14-Dec-87	16 F	849.6
03U711	906.4	11-Jan-88	17 A	850.2
03U711	906.4	26-Jan-88	17 F	849.7
03U711	906.4	13-Apr-88	18 F	852.4
03U711	906.4	02-May-88	18 A	850.2
03U711	906.4	20-May-88	18 A	849.7
03U711	906.4	23-Jun-88	18 A	849.0
03U711	906.4	27-Jul-88	19 A	848.2
03U711	906.4	30-Aug-88	19 F	846.8
03U711	906.4	01-Sep-88	19 A	846.9
03U711	906.4	21-Sep-88	19 A	846.4
03U711	906.4	14-Oct-88	20 A	846.5
03U711	906.4	23-Nov-88	20 F	847.8
03U711	906.4	02-Dec-88	20 A	847.6
03U711	906.4	13-Jan-89	21 A	847.7
03U711	906.4	31-Mar-89	21 A	843.9
03U711	906.4	07-Jul-89	23 A	842.7
03U711	906.4	05-Aug-89	23 F	842.7
03U711	906.4	05-Oct-89	24 A	842.0
03U711	906.4	03-Nov-89	24 F	841.9
03U711	906.4	21-Dec-89	24 A	841.3
03U711	906.4	11-Jan-90	25 A	841.1
03U711	906.4	16-May-90	26 A	841.4
03U711	906.4	16-Jul-90	27 A	840.1
03U711	906.4	28-Feb-91	30 A	841.8
03U711	906.4	03-Jun-91	31 A	841.4
03U711	906.4	03-Sep-91	32 A	839.7
03U711	906.4	27-Sep-91	32 A	840.1
03U711	906.4	06-Dec-91	33 A	841.6
03U711	906.4	24-Mar-92	34 A	842.1
03U711	906.4	01-Jun-92	35 A	843.5
03U711	906.4	01-Sep-92	36 A	843.1
03U711	906.4	08-Oct-92	36 A	843.5
03U715	961.1	02-Dec-88	20 A	852.3
03U715	961.1	13-Jan-89	21 A	852.5
03U715	961.1	31-Mar-89	21 A	851.1
03U715	961.1	07-Jul-89	23 A	850.2
03U715	961.1	05-Oct-89	24 A	848.9
03U715	961.1	21-Dec-89	24 A	848.4
03U715	961.1	11-Jan-90	25 A	848.3
03U715	961.1	16-May-90	26 A	848.3
03U715	961.1	16-Jul-90	27 A	848.2
03U715	961.1	28-Feb-91	30 A	848.9
03U715	961.1	03-Jun-91	31 A	849.0
03U715	961.1	03-Sep-91	32 A	848.5
03U715	961.1	27-Sep-91	32 A	848.6
03U715	961.1	06-Dec-91	33 A	849.8
03U715	961.1	24-Mar-92	34 A	850.6
03U715	961.1	01-Jun-92	35 A	851.4
03U715	961.1	01-Sep-92	36 A	850.8
03U715	961.1	08-Oct-92	36 A	851.1
03U716	950.3	02-Dec-88	20 A	851.6
03U716	950.3	31-Mar-89	21 A	849.9
03U716	950.3	07-Jul-89	23 A	848.7
03U716	950.3	05-Oct-89	24 A	847.8
03U716	950.3	21-Dec-89	24 A	847.1
03U716	950.3	11-Jan-90	25 A	847.1
03U716	950.3	16-May-90	26 A	847.2
03U716	950.3	16-Jul-90	27 A	847.0
03U716	950.3	28-Feb-91	30 A	847.8
03U716	950.3	10-Apr-91	30 F	847.8
03U716	950.3	03-Jun-91	31 A	847.7
03U716	950.3	04-Jun-91	31 F	848.4
03U716	950.3	03-Sep-91	32 A	847.2
03U716	950.3	04-Sep-91	32 F	848.2

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U716	950.3	27-Sep-91	32 A	847.4
03U716	950.3	06-Dec-91	33 A	848.7
03U716	950.3	17-Mar-92	34 F	847.5
03U716	950.3	24-Mar-92	34 A	849.3
03U716	950.3	01-Jun-92	35 A	850.0
03U716	950.3	02-Jun-92	35 F	850.8
03U716	950.3	01-Sep-92	36 A	849.4
03U716	950.3	02-Sep-92	36 F	850.4
03U716	950.3	08-Oct-92	36 A	849.8
03U801	912.3	17-Nov-87	16 A	850.1
03U801	912.3	24-Nov-87	16 A	850.4
03U801	912.3	30-Nov-87	16 A	850.1
03U801	912.3	14-Dec-87	16 A	849.9
03U801	912.3	11-Jan-88	17 A	850.7
03U801	912.3	26-Jan-88	17 F	850.0
03U801	912.3	13-Apr-88	18 F	853.1
03U801	912.3	02-May-88	18 A	850.6
03U801	912.3	20-May-88	18 A	850.0
03U801	912.3	23-Jun-88	18 A	849.4
03U801	912.3	27-Jul-88	19 A	848.7
03U801	912.3	30-Aug-88	19 F	847.4
03U801	912.3	01-Sep-88	19 A	847.0
03U801	912.3	21-Sep-88	19 A	846.6
03U801	912.3	14-Oct-88	20 A	846.9
03U801	912.3	23-Nov-88	20 F	848.4
03U801	912.3	02-Dec-88	20 A	848.2
03U801	912.3	13-Jan-89	21 A	847.2
03U801	912.3	31-Mar-89	21 A	844.1
03U801	912.3	03-Aug-89	23 F	843.0
03U801	912.3	05-Oct-89	24 A	842.2
03U801	912.3	03-Nov-89	24 F	842.0
03U801	912.3	21-Dec-89	24 A	842.0
03U801	912.3	11-Jan-90	25 A	841.8
03U801	912.3	16-May-90	26 A	841.5
03U801	912.3	16-Jul-90	27 A	841.2
03U801	912.3	28-Feb-91	30 A	841.9
03U801	912.3	03-Jun-91	31 A	842.1
03U801	912.3	03-Sep-91	32 A	841.1
03U801	912.3	27-Sep-91	32 A	841.3
03U801	912.3	06-Dec-91	33 A	842.5
03U801	912.3	24-Mar-92	34 A	843.1
03U801	912.3	01-Jun-92	35 A	843.7
03U801	912.3	01-Sep-92	36 A	843.4
03U801	912.3	08-Oct-92	36 A	843.8
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

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	843.1
03U804	910.2	24-Nov-87	16 A	850.0
03U804	910.2	30-Nov-87	16 A	849.8
03U804	910.2	14-Dec-87	16 F	849.5
03U804	910.2	11-Jan-88	17 A	850.7
03U804	910.2	26-Jan-88	17 F	849.7
03U804	910.2	13-Apr-88	18 F	852.6
03U804	910.2	02-May-88	18 A	850.1
03U804	910.2	20-May-88	18 A	849.7
03U804	910.2	23-Jun-88	18 A	848.9
03U804	910.2	27-Jul-88	19 A	848.5
03U804	910.2	30-Aug-88	19 F	847.0
03U804	910.2	01-Sep-88	19 A	847.2
03U804	910.2	21-Sep-88	19 A	846.5
03U804	910.2	14-Oct-88	20 A	846.9
03U804	910.2	23-Nov-88	20 F	848.0
03U804	910.2	02-Dec-88	20 A	847.9
03U804	910.2	13-Jan-89	21 A	847.6
03U804	910.2	31-Mar-89	21 A	843.9
03U804	910.2	03-Aug-89	23 F	842.6
03U804	910.2	05-Oct-89	24 A	841.9
03U804	910.2	03-Nov-89	24 F	841.9
03U804	910.2	21-Dec-89	24 A	841.4
03U804	910.2	11-Jan-90	25 A	841.4
03U804	910.2	16-May-90	26 A	841.3
03U804	910.2	28-Feb-91	30 A	841.6
03U804	910.2	27-Sep-91	32 A	841.1
03U804	910.2	24-Mar-92	34 A	843.1
03U804	910.2	08-Oct-92	36 A	843.5
03U805	905.1	17-Nov-87	16 A	848.6

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U805	905.1	24-Nov-87	16 A	848.7
03U805	905.1	14-Dec-87	16 F	848.2
03U805	905.1	11-Jan-88	17 A	849.3
03U805	905.1	27-Jan-88	17 F	848.1
03U805	905.1	13-Apr-88	18 F	850.8
03U805	905.1	02-May-88	18 A	848.6
03U805	905.1	20-May-88	18 A	848.1
03U805	905.1	27-Jul-88	19 A	846.5
03U805	905.1	30-Aug-88	19 F	845.2
03U805	905.1	01-Sep-88	19 A	845.5
03U805	905.1	21-Sep-88	19 A	844.7
03U805	905.1	14-Oct-88	20 A	845.3
03U805	905.1	23-Nov-88	20 F	846.5
03U805	905.1	02-Dec-88	20 A	846.4
03U805	905.1	13-Jan-89	21 A	846.2
03U805	905.1	31-Mar-89	21 A	842.5
03U805	905.1	03-Aug-89	23 F	841.0
03U805	905.1	05-Oct-89	24 A	840.3
03U805	905.1	03-Nov-89	24 F	840.4
03U805	905.1	21-Dec-89	24 A	839.8
03U805	905.1	11-Jan-90	25 A	840.0
03U805	905.1	16-May-90	26 A	840.0
03U805	905.1	28-Feb-91	30 A	840.3
03U805	905.1	27-Sep-91	32 A	839.8
03U805	905.1	24-Mar-92	34 A	841.7
03U805	905.1	08-Oct-92	36 A	842.0
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
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	36 A	842.2
03U811	909.0	14-Dec-87	16 F	847.3
03U811	909.0	27-Jan-88	17 F	847.3
03U811	909.0	13-Apr-88	18 F	848.7
03U811	909.0	30-Aug-88	19 F	843.5
03U811	909.0	23-Nov-88	20 F	844.9
03U811	909.0	04-May-89	22 F	839.8
03U811	909.0	06-Aug-89	23 F	840.2
03U811	909.0	03-Nov-89	24 F	839.7
03U811	909.0	26-Apr-90	26 F	839.9
03U811	909.0	20-Mar-91	30 F	840.2
03U811	909.0	19-Mar-92	34 F	841.4
03U815	872.5	14-Dec-87	16 F	838.9
03U815	872.5	26-Jan-88	17 F	838.9
03U815	872.5	13-Apr-88	18 F	839.7
03U815	872.5	30-Aug-88	19 F	835.0
03U815	872.5	23-Nov-88	20 F	835.5
03U815	872.5	06-Aug-89	23 F	831.5
03U815	872.5	03-Nov-89	24 F	832.8
03U815	872.5	16-Mar-92	34 F	834.9
03U821	877.5	14-Dec-87	16 F	837.5
03U821	877.5	26-Jan-88	17 F	837.6
03U821	877.5	13-Apr-88	18 F	838.2
03U821	877.5	30-Aug-88	19 F	833.6
03U821	877.5	23-Nov-88	20 F	834.9
03U821	877.5	10-May-89	22 F	831.2
03U821	877.5	06-Aug-89	23 F	830.8
03U821	877.5	03-Nov-89	24 F	831.3
03U821	877.5	01-May-90	26 F	801.3
03U821	877.5	23-Jul-90	27 F	830.5
03U821	877.5	21-Mar-91	30 F	831.1
03U821	877.5	20-Mar-92	34 F	833.3
03U822	876.4	14-Dec-87	16 F	837.2
03U822	876.4	26-Jan-88	17 F	837.3
03U822	876.4	13-Apr-88	18 F	837.9
03U822	876.4	30-Aug-88	19 F	833.3
03U822	876.4	23-Nov-88	20 F	834.6
03U822	876.4	05-May-89	22 F	831.3
03U822	876.4	06-Aug-89	23 F	830.6
03U822	876.4	03-Nov-89	24 F	831.1
03U822	876.4	25-Apr-90	26 F	831.3

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U822	876.4	21-Mar-91	30 F	830.9
03U822	876.4	19-Mar-92	34 F	832.6
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
03U831	889.2	14-Dec-87	16 F	837.2
03U831	889.2	26-Jan-88	17 F	837.4
03U831	889.2	13-Apr-88	18 F	837.9
03U831	889.2	30-Aug-88	19 F	833.2
03U831	889.2	10-May-89	22 F	831.2
03U831	889.2	07-Aug-89	23 F	830.9
03U831	889.2	25-Apr-90	26 F	831.1
03U831	889.2	19-Mar-91	30 F	830.8
03U831	889.2	23-Mar-92	34 F	833.1
03U832	884.3	14-Dec-87	16 F	836.2
03U832	884.3	26-Jan-88	17 F	836.4
03U832	884.3	13-Apr-88	18 F	835.1
03U832	884.3	30-Aug-88	19 F	832.0
03U832	884.3	23-Nov-88	20 F	833.4
03U832	884.3	09-May-89	22 F	830.5
03U832	884.3	07-Aug-89	23 F	829.4
03U832	884.3	03-Nov-89	24 F	830.1
03U832	884.3	25-Apr-90	26 F	830.3
03U832	884.3	20-Mar-91	30 F	830.3
03U832	884.3	16-Mar-92	34 F	832.2
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
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	36 A	839.6
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	36 A	841.7
04J708	919.8	31-Mar-89	21 A	843.8
04J708	919.8	05-Oct-89	24 A	841.7
04J708	919.8	21-Dec-89	24 A	840.9
04J708	919.8	11-Jan-90	25 A	840.8
04J708	919.8	16-May-90	26 A	840.9
04J708	919.8	28-Feb-91	30 A	841.3
04J708	919.8	27-Sep-91	32 A	840.9
04J708	919.8	24-Mar-92	34 A	839.8
04J708	919.8	08-Oct-92	36 A	840.2
04J713	895.8	02-Dec-88	20 A	847.1
04J713	895.8	13-Jan-89	21 A	847.0
04J713	895.8	31-Mar-89	21 A	842.2
04J713	895.8	07-Jul-89	23 A	840.3
04J713	895.8	05-Oct-89	24 A	840.1
04J713	895.8	21-Dec-89	24 A	839.4
04J713	895.8	11-Jan-90	25 A	839.5
04J713	895.8	16-May-90	26 A	839.7
04J713	895.8	16-Jul-90	27 A	839.5
04J713	895.8	28-Feb-91	30 A	840.1
04J713	895.8	03-Jun-91	31 A	839.8
04J713	895.8	03-Sep-91	32 A	839.0
04J713	895.8	27-Sep-91	32 A	839.4
04J713	895.8	06-Dec-91	33 A	840.7
04J713	895.8	24-Mar-92	34 A	841.3
04J713	895.8	01-Jun-92	35 A	841.2
04J713	895.8	01-Sep-92	36 A	840.8
04J713	895.8	08-Oct-92	36 A	841.4
04J714	884.7	02-Dec-88	20 A	840.0
04J714	884.7	13-Jan-89	21 A	846.8
04J714	884.7	31-Mar-89	21 A	836.6
04J714	884.7	07-Jul-89	23 A	834.2
04J714	884.7	05-Oct-89	24 A	840.8
04J714	884.7	21-Dec-89	24 A	840.5
04J714	884.7	11-Jan-90	25 A	840.6
04J714	884.7	16-May-90	26 A	840.8
04J714	884.7	16-Jul-90	27 A	840.6
04J714	884.7	28-Feb-91	30 A	841.3
04J714	884.7	03-Jun-91	31 A	841.1
04J714	884.7	03-Sep-91	32 A	840.2
04J714	884.7	27-Sep-91	32 A	840.7

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04J714	884.7	06-Dec-91	33 A	842.0
04J714	884.7	24-Mar-92	34 A	842.5
04J714	884.7	01-Jun-92	35 A	842.4
04J714	884.7	01-Sep-92	36 A	841.9
04J714	884.7	08-Oct-92	36 A	842.7
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	36 A	843.2
04U002	920.2	17-Nov-87	16 A	850.6
04U002	920.2	24-Nov-87	16 A	850.3
04U002	920.2	30-Nov-87	16 A	850.6
04U002	920.2	14-Dec-87	16 A	850.3
04U002	920.2	14-Dec-87	16 F	850.4
04U002	920.2	11-Jan-88	17 A	850.6
04U002	920.2	27-Jan-88	17 F	850.5
04U002	920.2	13-Apr-88	18 F	853.0
04U002	920.2	02-May-88	18 A	850.9
04U002	920.2	20-May-88	18 A	850.4
04U002	920.2	23-Jun-88	18 A	849.3

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U002	920.2	27-Jul-88	19 A	848.1
04U002	920.2	30-Aug-88	19 F	847.8
04U002	920.2	01-Sep-88	19 A	847.8
04U002	920.2	21-Sep-88	19 A	847.5
04U002	920.2	14-Oct-88	20 A	846.9
04U002	920.2	25-Nov-88	20 F	848.4
04U002	920.2	13-Jan-89	21 A	848.0
04U002	920.2	31-Mar-89	21 A	843.8
04U002	920.2	05-Aug-89	23 F	842.3
04U002	920.2	05-Oct-89	24 A	841.9
04U002	920.2	02-Nov-89	24 F	841.8
04U002	920.2	21-Dec-89	24 A	841.2
04U002	920.2	11-Jan-90	25 A	841.1
04U002	920.2	16-May-90	26 A	841.3
04U002	920.2	16-Jul-90	27 A	841.1
04U002	920.2	28-Feb-91	30 A	841.7
04U002	920.2	03-Jun-91	31 A	841.5
04U002	920.2	03-Sep-91	32 A	841.0
04U002	920.2	27-Sep-91	32 A	841.2
04U002	920.2	06-Dec-91	33 A	842.5
04U002	920.2	24-Mar-92	34 A	843.1
04U002	920.2	01-Jun-92	35 A	843.5
04U002	920.2	01-Sep-92	36 A	843.1
04U002	920.2	08-Oct-92	36 A	843.5
04U003	943.1	17-Nov-87	16 A	850.0
04U003	943.1	24-Nov-87	16 A	849.8
04U003	943.1	30-Nov-87	16 A	849.9
04U003	943.1	14-Dec-87	16 A	849.7
04U003	943.1	14-Dec-87	16 F	849.6
04U003	943.1	11-Jan-88	17 A	850.1
04U003	943.1	26-Jan-88	17 F	849.7
04U003	943.1	14-Apr-88	18 F	851.1
04U003	943.1	02-May-88	18 A	850.2
04U003	943.1	20-May-88	18 A	849.7
04U003	943.1	23-Jun-88	18 A	848.5
04U003	943.1	27-Jul-88	19 A	847.7
04U003	943.1	30-Aug-88	19 F	846.5
04U003	943.1	01-Sep-88	19 A	846.5
04U003	943.1	21-Sep-88	19 A	846.1
04U003	943.1	14-Oct-88	20 A	846.3
04U003	943.1	25-Nov-88	20 F	847.0
04U003	943.1	02-Dec-88	20 A	847.3
04U003	943.1	13-Jan-89	21 A	846.9
04U003	943.1	31-Mar-89	21 A	844.5
04U003	943.1	07-Jul-89	23 A	843.1
04U003	943.1	05-Aug-89	23 F	842.9
04U003	943.1	05-Oct-89	24 A	842.4
04U003	943.1	02-Nov-89	24 F	842.1
04U003	943.1	21-Dec-89	24 A	842.2
04U003	943.1	11-Jan-90	25 A	841.8
04U003	943.1	16-May-90	26 A	842.0
04U003	943.1	16-Jul-90	27 A	841.7

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U003	943.1	28-Feb-91	30 A	842.5
04U003	943.1	03-Jun-91	31 A	842.2
04U003	943.1	03-Sep-91	32 A	841.7
04U003	943.1	27-Sep-91	32 A	841.9
04U003	943.1	06-Dec-91	33 A	843.2
04U003	943.1	24-Mar-92	34 A	843.7
04U003	943.1	01-Jun-92	35 A	844.2
04U003	943.1	01-Sep-92	36 A	843.9
04U003	943.1	08-Oct-92	36 A	844.4
04U007	902.9	24-Nov-87	16 A	858.8
04U007	902.9	30-Nov-87	16 A	859.3
04U007	902.9	14-Dec-87	16 F	859.0
04U007	902.9	11-Jan-88	17 A	859.4
04U007	902.9	26-Jan-88	17 F	859.3
04U007	902.9	13-Apr-88	18 F	859.5
04U007	902.9	02-May-88	18 A	858.9
04U007	902.9	20-May-88	18 A	858.7
04U007	902.9	23-Jun-88	18 A	856.4
04U007	902.9	27-Jul-88	19 A	855.0
04U007	902.9	30-Aug-88	19 F	854.7
04U007	902.9	01-Sep-88	19 A	854.7
04U007	902.9	21-Sep-88	19 A	854.3
04U007	902.9	14-Oct-88	20 A	854.6
04U007	902.9	25-Nov-88	20 F	854.9
04U007	902.9	02-Dec-88	20 A	855.2
04U007	902.9	13-Jan-89	21 A	855.4
04U007	902.9	31-Mar-89	21 A	854.7
04U007	902.9	07-Jul-89	23 A	852.7
04U007	902.9	05-Aug-89	23 F	852.0
04U007	902.9	05-Oct-89	24 A	852.1
04U007	902.9	02-Nov-89	24 F	852.3
04U007	902.9	21-Dec-89	24 A	852.1
04U007	902.9	11-Jan-90	25 A	852.0
04U007	902.9	16-May-90	26 A	851.7
04U007	902.9	16-Jul-90	27 A	851.4
04U007	902.9	20-Sep-90	28 F	851.8
04U007	902.9	28-Feb-91	30 A	852.8
04U007	902.9	28-Mar-91	30 F	852.2
04U007	902.9	03-Jun-91	31 A	852.5
04U007	902.9	03-Sep-91	32 A	852.0
04U007	902.9	27-Sep-91	32 A	851.9
04U007	902.9	06-Dec-91	33 A	853.8
04U007	902.9	10-Mar-92	34 F	854.4
04U007	902.9	24-Mar-92	34 A	854.2
04U007	902.9	01-Jun-92	35 A	854.3
04U007	902.9	01-Sep-92	36 A	853.9
04U007	902.9	08-Oct-92	36 A	854.7
04U012	880.3	17-Nov-87	16 A	859.6
04U012	880.3	24-Nov-87	16 A	859.5
04U012	880.3	30-Nov-87	16 A	859.8
04U012	880.3	14-Dec-87	16 A	859.7
04U012	880.3	14-Dec-87	16 F	859.8
04U012	880.3	11-Jan-88	17 A	860.1
04U012	880.3	27-Jan-88	17 F	860.0
04U012	880.3	13-Apr-88	18 F	859.7
04U012	880.3	02-May-88	18 A	859.2
04U012	880.3	20-May-88	18 A	858.7
04U012	880.3	23-Jun-88	18 A	854.6
04U012	880.3	27-Jul-88	19 A	853.5
04U012	880.3	30-Aug-88	19 F	855.4
04U012	880.3	01-Sep-88	19 A	854.2
04U012	880.3	21-Sep-88	19 A	854.5
04U012	880.3	14-Oct-88	20 A	855.2
04U012	880.3	25-Nov-88	20 F	855.7
04U012	880.3	02-Dec-88	20 A	855.7
04U012	880.3	13-Jan-89	21 A	856.1
04U012	880.3	31-Mar-89	21 A	856.4
04U012	880.3	07-Jul-89	23 A	853.4
04U012	880.3	05-Aug-89	23 F	852.6
04U012	880.3	05-Oct-89	24 A	853.0
04U012	880.3	02-Nov-89	24 F	853.5
04U012	880.3	21-Dec-89	24 A	853.8
04U012	880.3	11-Jan-90	25 A	854.0
04U012	880.3	16-May-90	26 A	853.6
04U012	880.3	16-Jul-90	27 A	853.5
04U012	880.3	28-Feb-91	30 A	854.8
04U012	880.3	03-Jun-91	31 A	855.1
04U012	880.3	03-Sep-91	32 A	853.8
04U012	880.3	27-Sep-91	32 A	854.8
04U012	880.3	06-Dec-91	33 A	856.1
04U012	880.3	24-Mar-92	34 A	856.7
04U012	880.3	01-Jun-92	35 A	856.1
04U012	880.3	01-Sep-92	36 A	855.2
04U012	880.3	08-Oct-92	36 A	856.2
04U020	954.7	17-Nov-87	16 A	854.1
04U020	954.7	24-Nov-87	16 A	853.9
04U020	954.7	30-Nov-87	16 A	853.9
04U020	954.7	14-Dec-87	16 A	853.9
04U020	954.7	11-Jan-88	17 A	853.5
04U020	954.7	27-Jan-88	17 F	853.3
04U020	954.7	14-Apr-88	18 F	854.3
04U020	954.7	02-May-88	18 A	854.3
04U020	954.7	20-May-88	18 A	853.8
04U020	954.7	23-Jun-88	18 A	851.9
04U020	954.7	27-Jul-88	19 A	852.1
04U020	954.7	30-Aug-88	19 F	849.6
04U020	954.7	01-Sep-88	19 A	850.1
04U020	954.7	21-Sep-88	19 A	850.0
04U020	954.7	14-Oct-88	20 A	849.9
04U020	954.7	25-Nov-88	20 F	850.4
04U020	954.7	02-Dec-88	20 A	850.6
04U020	954.7	13-Jan-89	21 A	850.6
04U020	954.7	31-Mar-89	21 A	848.9

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U020	954.7	07-Jul-89	23 A	846.8
04U020	954.7	05-Aug-89	23 F	846.4
04U020	954.7	05-Oct-89	24 A	846.0
04U020	954.7	04-Nov-89	24 F	846.6
04U020	954.7	21-Dec-89	24 A	846.2
04U020	954.7	11-Jan-90	25 A	846.1
04U020	954.7	16-May-90	26 A	846.2
04U020	954.7	16-Jul-90	27 A	846.0
04U020	954.7	28-Feb-91	30 A	846.8
04U020	954.7	03-Jun-91	31 A	846.8
04U020	954.7	03-Sep-91	32 A	846.2
04U020	954.7	27-Sep-91	32 A	846.5
04U020	954.7	06-Dec-91	33 A	847.8
04U020	954.7	24-Mar-92	34 A	848.4
04U020	954.7	01-Jun-92	35 A	848.9
04U020	954.7	01-Sep-92	36 A	848.3
04U020	954.7	08-Oct-92	36 A	848.7
04U027	967.5	17-Nov-87	16 A	853.5
04U027	967.5	24-Nov-87	16 A	853.4
04U027	967.5	30-Nov-87	16 A	853.5
04U027	967.5	14-Dec-87	16 A	853.4
04U027	967.5	14-Dec-87	16 F	853.7
04U027	967.5	27-Jan-88	17 F	853.8
04U027	967.5	14-Apr-88	18 F	854.7
04U027	967.5	02-May-88	18 A	853.8
04U027	967.5	20-May-88	18 A	853.3
04U027	967.5	23-Jun-88	18 A	852.1
04U027	967.5	27-Jul-88	19 A	850.7
04U027	967.5	30-Aug-88	19 F	849.8
04U027	967.5	01-Sep-88	19 A	849.8
04U027	967.5	21-Sep-88	19 A	849.5
04U027	967.5	14-Oct-88	20 A	849.3
04U027	967.5	25-Nov-88	20 F	850.3
04U027	967.5	02-Dec-88	20 A	850.2
04U027	967.5	13-Jan-89	21 A	850.4
04U027	967.5	31-Mar-89	21 A	848.2
04U027	967.5	05-Aug-89	23 F	846.6
04U027	967.5	05-Oct-89	24 A	845.8
04U027	967.5	06-Nov-89	24 F	845.9
04U027	967.5	21-Dec-89	24 A	845.7
04U027	967.5	11-Jan-90	25 A	845.5
04U027	967.5	16-May-90	26 A	845.5
04U027	967.5	28-Feb-91	30 A	846.0
04U027	967.5	27-Sep-91	32 A	845.6
04U027	967.5	24-Mar-92	34 A	847.6
04U027	967.5	08-Oct-92	36 A	847.9
04U077	912.4	17-Nov-87	16 A	849.4
04U077	912.4	24-Nov-87	16 A	849.1
04U077	912.4	30-Nov-87	16 A	849.2
04U077	912.4	14-Dec-87	16 A	846.9
04U077	912.4	14-Dec-87	16 F	847.6

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U077	912.4	11-Jan-88	17 A	849.3
04U077	912.4	27-Jan-88	17 F	849.6
04U077	912.4	13-Apr-88	18 F	852.7
04U077	912.4	02-May-88	18 A	849.4
04U077	912.4	20-May-88	18 A	848.8
04U077	912.4	23-Jun-88	18 A	847.5
04U077	912.4	27-Jul-88	19 A	847.5
04U077	912.4	30-Aug-88	19 F	846.5
04U077	912.4	01-Sep-88	19 A	846.5
04U077	912.4	21-Sep-88	19 A	845.4
04U077	912.4	14-Oct-88	20 A	845.8
04U077	912.4	25-Nov-88	20 F	848.0
04U077	912.4	02-Dec-88	20 A	847.7
04U077	912.4	05-Aug-89	23 F	841.5
04U077	912.4	05-Oct-89	24 A	840.5
04U077	912.4	02-Nov-89	24 F	841.0
04U077	912.4	21-Dec-89	24 A	839.7
04U077	912.4	11-Jan-90	25 A	839.7
04U077	912.4	23-Apr-90	26 F	851.6
04U077	912.4	16-May-90	26 A	839.8
04U077	912.4	19-Jul-90	27 F	851.6
04U077	912.4	28-Feb-91	30 A	840.3
04U077	912.4	27-Sep-91	32 A	839.8
04U077	912.4	24-Mar-92	34 A	841.8
04U077	912.4	08-Oct-92	36 A	842.1
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	36 A	862.2

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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	36 A	840.0
04U673	897.8	08-Oct-92	36 A	840.2
04U701	909.0	17-Nov-87	16 A	848.9
04U701	909.0	24-Nov-87	16 A	849.1
04U701	909.0	30-Nov-87	16 A	849.3
04U701	909.0	14-Dec-87	16 A	849.0
04U701	909.0	11-Jan-88	17 A	849.4
04U701	909.0	27-Jan-88	17 F	849.1
04U701	909.0	13-Apr-88	18 F	851.3
04U701	909.0	02-May-88	18 A	849.4
04U701	909.0	20-May-88	18 A	848.8
04U701	909.0	23-Jun-88	18 A	847.1
04U701	909.0	27-Jul-88	19 A	846.8
04U701	909.0	30-Aug-88	19 F	845.5
04U701	909.0	01-Sep-88	19 A	845.9

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U701	909.0	21-Sep-88	19 A	845.3
04U701	909.0	14-Oct-88	20 A	845.7
04U701	909.0	25-Nov-88	20 F	847.3
04U701	909.0	02-Dec-88	20 A	847.0
04U701	909.0	13-Jan-89	21 A	847.1
04U701	909.0	31-Mar-89	21 A	843.0
04U701	909.0	05-Aug-89	23 F	840.4
04U701	909.0	05-Oct-89	24 A	839.9
04U701	909.0	03-Nov-89	24 F	840.0
04U701	909.0	21-Dec-89	24 A	839.1
04U701	909.0	11-Jan-90	25 A	839.4
04U701	909.0	16-May-90	26 A	839.5
04U701	909.0	28-Feb-91	30 A	839.9
04U701	909.0	27-Sep-91	32 A	839.3
04U701	909.0	24-Mar-92	34 A	841.2
04U701	909.0	08-Oct-92	36 A	841.4
04U702	908.1	17-Nov-87	16 A	849.1
04U702	908.1	24-Nov-87	16 A	849.2
04U702	908.1	30-Nov-87	16 A	849.5
04U702	908.1	14-Dec-87	16 A	849.2
04U702	908.1	11-Jan-88	17 A	849.7
04U702	908.1	27-Jan-88	17 F	849.3
04U702	908.1	13-Apr-88	18 F	851.2
04U702	908.1	02-May-88	18 A	849.6
04U702	908.1	20-May-88	18 A	848.9
04U702	908.1	23-Jun-88	18 A	847.2
04U702	908.1	27-Jul-88	19 A	846.8
04U702	908.1	30-Aug-88	19 F	845.6
04U702	908.1	01-Sep-88	19 A	845.7
04U702	908.1	21-Sep-88	19 A	845.4
04U702	908.1	14-Oct-88	20 A	845.6
04U702	908.1	25-Nov-88	20 F	846.9
04U702	908.1	02-Dec-88	20 A	846.9
04U702	908.1	13-Jan-89	21 A	847.1
04U702	908.1	31-Mar-89	21 A	842.9
04U702	908.1	05-Aug-89	23 F	841.0
04U702	908.1	05-Oct-89	24 A	840.6
04U702	908.1	03-Nov-89	24 F	840.6
04U702	908.1	21-Dec-89	24 A	840.3
04U702	908.1	11-Jan-90	25 A	840.2
04U702	908.1	16-May-90	26 A	840.2
04U702	908.1	28-Feb-91	30 A	840.6
04U702	908.1	27-Sep-91	32 A	840.0
04U702	908.1	24-Mar-92	34 A	841.9
04U702	908.1	08-Oct-92	36 A	842.1
04U708	919.7	17-Nov-87	16 A	850.2
04U708	919.7	24-Nov-87	16 A	849.9
04U708	919.7	30-Nov-87	16 A	850.0
04U708	919.7	14-Dec-87	16 A	849.9
04U708	919.7	11-Jan-88	17 A	850.2
04U708	919.7	27-Jan-88	17 F	850.0

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U708	919.7	13-Apr-88	18 F	852.6
04U708	919.7	02-May-88	18 A	850.4
04U708	919.7	20-May-88	18 A	849.9
04U708	919.7	23-Jun-88	18 A	848.9
04U708	919.7	27-Jul-88	19 A	847.8
04U708	919.7	30-Aug-88	19 F	847.5
04U708	919.7	01-Sep-88	19 A	847.4
04U708	919.7	21-Sep-88	19 A	847.2
04U708	919.7	14-Oct-88	20 A	846.6
04U708	919.7	25-Nov-88	20 F	847.8
04U708	919.7	02-Dec-88	20 A	848.2
04U708	919.7	13-Jan-89	21 A	847.6
04U708	919.7	31-Mar-89	21 A	844.5
04U708	919.7	05-Aug-89	23 F	842.4
04U708	919.7	05-Oct-89	24 A	842.1
04U708	919.7	02-Nov-89	24 F	841.8
04U708	919.7	21-Dec-89	24 A	841.4
04U708	919.7	11-Jan-90	25 A	841.2
04U708	919.7	16-May-90	26 A	841.4
04U708	919.7	28-Feb-91	30 A	841.9
04U708	919.7	27-Sep-91	32 A	841.4
04U708	919.7	24-Mar-92	34 A	843.3
04U708	919.7	08-Oct-92	36 A	841.2
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	36 A	842.6
04U711	906.3	17-Nov-87	16 A	849.1
04U711	906.3	24-Nov-87	16 A	849.1
04U711	906.3	30-Nov-87	16 A	849.1
04U711	906.3	14-Dec-87	16 A	848.9
04U711	906.3	15-Dec-87	16 F	848.8
04U711	906.3	11-Jan-88	17 A	849.8
04U711	906.3	28-Jan-88	17 F	849.0
04U711	906.3	13-Apr-88	18 F	851.4
04U711	906.3	02-May-88	18 A	849.3
04U711	906.3	20-May-88	18 A	848.7
04U711	906.3	23-Jun-88	18 A	847.5
04U711	906.3	27-Jul-88	19 A	847.7
04U711	906.3	30-Aug-88	19 F	845.6
04U711	906.3	21-Sep-88	19 A	845.3
04U711	906.3	14-Oct-88	20 A	845.7
04U711	906.3	25-Nov-88	20 F	847.1
04U711	906.3	02-Dec-88	20 A	847.0
04U711	906.3	13-Jan-89	21 A	846.8
04U711	906.3	31-Mar-89	21 A	842.9
04U711	906.3	07-Jul-89	23 A	841.3
04U711	906.3	05-Aug-89	23 F	841.4
04U711	906.3	05-Oct-89	24 A	840.8
04U711	906.3	03-Nov-89	24 F	840.7
04U711	906.3	21-Dec-89	24 A	840.3
04U711	906.3	11-Jan-90	25 A	840.0
04U711	906.3	16-May-90	26 A	840.4
04U711	906.3	16-Jul-90	27 A	841.0
04U711	906.3	28-Feb-91	30 A	840.6
04U711	906.3	03-Jun-91	31 A	840.4
04U711	906.3	03-Sep-91	32 A	840.8
04U711	906.3	27-Sep-91	32 A	840.9
04U711	906.3	06-Dec-91	33 A	842.6
04U711	906.3	24-Mar-92	34 A	843.1
04U711	906.3	01-Jun-92	35 A	842.3
04U711	906.3	01-Sep-92	36 A	841.9
04U711	906.3	08-Oct-92	36 A	842.4
04U713	895.4	02-Dec-88	20 A	848.4
04U713	895.4	13-Jan-89	21 A	848.4
04U713	895.4	31-Mar-89	21 A	844.1
04U713	895.4	07-Jul-89	23 A	842.5
04U713	895.4	05-Oct-89	24 A	842.6
04U713	895.4	21-Dec-89	24 A	841.9
04U713	895.4	11-Jan-90	25 A	841.9
04U713	895.4	16-May-90	26 A	842.1
04U713	895.4	16-Jul-90	27 A	841.9
04U713	895.4	28-Feb-91	30 A	842.7
04U713	895.4	03-Jun-91	31 A	842.5
04U713	895.4	03-Sep-91	32 A	841.8
04U713	895.4	27-Sep-91	32 A	842.1
04U713	895.4	06-Dec-91	33 A	843.4

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U713	895.4	24-Mar-92	34 A	844.1
04U713	895.4	01-Jun-92	35 A	844.2
04U713	895.4	01-Sep-92	36 A	843.7
04U713	895.4	08-Oct-92	36 A	844.3
04U714	884.6	02-Dec-88	20 A	839.9
04U714	884.6	13-Jan-89	21 A	846.8
04U714	884.6	31-Mar-89	21 A	843.2
04U714	884.6	07-Jul-89	23 A	841.1
04U714	884.6	05-Oct-89	24 A	840.9
04U714	884.6	21-Dec-89	24 A	840.6
04U714	884.6	11-Jan-90	25 A	840.7
04U714	884.6	16-May-90	26 A	840.9
04U714	884.6	16-Jul-90	27 A	840.7
04U714	884.6	28-Feb-91	30 A	841.4
04U714	884.6	03-Jun-91	31 A	841.2
04U714	884.6	03-Sep-91	32 A	840.3
04U714	884.6	27-Sep-91	32 A	840.8
04U714	884.6	06-Dec-91	33 A	842.1
04U714	884.6	24-Mar-92	34 A	842.6
04U714	884.6	01-Jun-92	35 A	842.4
04U714	884.6	01-Sep-92	36 A	842.0
04U714	884.6	08-Oct-92	36 A	842.8
04U802	903.4	17-Nov-87	16 A	849.6
04U802	903.4	24-Nov-87	16 A	849.5
04U802	903.4	30-Nov-87	16 A	849.5
04U802	903.4	14-Dec-87	16 F	849.2
04U802	903.4	11-Jan-88	17 A	849.7
04U802	903.4	26-Jan-88	17 F	849.4
04U802	903.4	13-Apr-88	18 F	851.3
04U802	903.4	02-May-88	18 A	849.8
04U802	903.4	20-May-88	18 A	849.3
04U802	903.4	23-Jun-88	18 A	848.1
04U802	903.4	27-Jul-88	19 A	847.2
04U802	903.4	30-Aug-88	19 F	846.2
04U802	903.4	21-Sep-88	19 A	845.7
04U802	903.4	14-Oct-88	20 A	845.9
04U802	903.4	25-Nov-88	20 F	846.8
04U802	903.4	02-Dec-88	20 A	846.6
04U802	903.4	13-Jan-89	21 A	846.5
04U802	903.4	31-Mar-89	21 A	844.0
04U802	903.4	03-Aug-89	23 F	842.6
04U802	903.4	05-Oct-89	24 A	841.9
04U802	903.4	03-Nov-89	24 F	841.8
04U802	903.4	21-Dec-89	24 A	841.6
04U802	903.4	11-Jan-90	25 A	841.6
04U802	903.4	16-May-90	26 A	841.6
04U802	903.4	16-Jul-90	27 A	841.2
04U802	903.4	28-Feb-91	30 A	841.9
04U802	903.4	03-Jun-91	31 A	841.6
04U802	903.4	03-Sep-91	32 A	841.1
04U802	903.4	27-Sep-91	32 A	841.4
04U802	903.4	06-Dec-91	33 A	842.6
04U802	903.4	24-Mar-92	34 A	843.2
04U802	903.4	01-Jun-92	35 A	843.6
04U802	903.4	01-Sep-92	36 A	843.3
04U802	903.4	08-Oct-92	36 A	843.8
04U806	909.2	17-Nov-87	16 A	848.2
04U806	909.2	24-Nov-87	16 A	848.5
04U806	909.2	30-Nov-87	16 A	848.1
04U806	909.2	14-Dec-87	16 F	847.9
04U806	909.2	11-Jan-88	17 A	848.8
04U806	909.2	27-Jan-88	17 F	847.7
04U806	909.2	13-Apr-88	18 F	850.0
04U806	909.2	02-May-88	18 A	848.2
04U806	909.2	20-May-88	18 A	847.6
04U806	909.2	23-Jun-88	18 A	846.0
04U806	909.2	27-Jul-88	19 A	845.6
04U806	909.2	30-Aug-88	19 F	844.4
04U806	909.2	01-Sep-88	19 A	844.9
04U806	909.2	21-Sep-88	19 A	844.2
04U806	909.2	14-Oct-88	20 A	844.6
04U806	909.2	25-Nov-88	20 F	845.8
04U806	909.2	02-Dec-88	20 A	845.8
04U806	909.2	13-Jan-89	21 A	845.8
04U806	909.2	31-Mar-89	21 A	841.9
04U806	909.2	07-Jul-89	23 A	840.0
04U806	909.2	03-Aug-89	23 F	840.1
04U806	909.2	05-Oct-89	24 A	839.6
04U806	909.2	03-Nov-89	24 F	839.7
04U806	909.2	21-Dec-89	24 A	839.1
04U806	909.2	11-Jan-90	25 A	839.4
04U806	909.2	16-May-90	26 A	839.5
04U806	909.2	16-Jul-90	27 A	839.0
04U806	909.2	28-Feb-91	30 A	839.8
04U806	909.2	03-Jun-91	31 A	839.5
04U806	909.2	03-Sep-91	32 A	838.8
04U806	909.2	27-Sep-91	32 A	839.1
04U806	909.2	06-Dec-91	33 A	840.4
04U806	909.2	24-Mar-92	34 A	841.1
04U806	909.2	01-Jun-92	35 A	841.1
04U806	909.2	01-Sep-92	36 A	840.7
04U806	909.2	08-Oct-92	36 A	841.3
04U821	877.2	14-Dec-87	16 F	837.3
04U821	877.2	26-Jan-88	17 F	837.5
04U821	877.2	13-Apr-88	18 F	838.0
04U821	877.2	30-Aug-88	19 F	833.4
04U821	877.2	25-Nov-88	20 F	834.8
04U821	877.2	06-Aug-89	23 F	830.7
04U821	877.2	03-Nov-89	24 F	831.2
04U821	877.2	19-Apr-90	26 F	831.5
04U821	877.2	23-Jul-90	27 F	830.3
04U821	877.2	20-Sep-90	28 F	830.2

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U821	877.2	21-Mar-91	30 F	831.0
04U821	877.2	04-Jun-91	31 F	830.5
04U821	877.2	04-Sep-91	32 F	829.1
04U821	877.2	20-Mar-92	34 F	833.1
04U821	877.2	03-Jun-92	35 F	832.3
04U821	877.2	03-Sep-92	36 F	831.3
04U832	883.4	14-Dec-87	16 F	837.0
04U832	883.4	26-Jan-88	17 F	836.4
04U832	883.4	13-Apr-88	18 F	837.4
04U832	883.4	30-Aug-88	19 F	832.6
04U832	883.4	25-Nov-88	20 F	834.2
04U832	883.4	07-Aug-89	23 F	829.9
04U832	883.4	03-Nov-89	24 F	830.8
04U832	883.4	25-Apr-90	26 F	831.0
04U832	883.4	20-Mar-91	30 F	830.6
04U832	883.4	25-Mar-92	34 F	833.0
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
04U843	885.8	14-Dec-87	16 F	837.3
04U843	885.8	26-Jan-88	17 F	837.5
04U843	885.8	13-Apr-88	18 F	838.0
04U843	885.8	30-Aug-88	19 F	833.5
04U843	885.8	25-Nov-88	20 F	834.7
04U843	885.8	06-Aug-89	23 F	830.8
04U843	885.8	03-Nov-89	24 F	831.2
04U843	885.8	25-Apr-90	26 F	831.4
04U843	885.8	21-Mar-91	30 F	831.1
04U843	885.8	20-Mar-92	34 F	833.1
04U844	884.2	14-Dec-87	16 F	835.8
04U844	884.2	26-Jan-88	17 F	836.0
04U844	884.2	13-Apr-88	18 F	836.3
04U844	884.2	30-Aug-88	19 F	831.6
04U844	884.2	25-Nov-88	20 F	833.1
04U844	884.2	04-May-89	22 F	830.4
04U844	884.2	06-Aug-89	23 F	839.1
04U844	884.2	03-Nov-89	24 F	829.8
04U844	884.2	25-Apr-90	26 F	830.0
04U844	884.2	23-Jul-90	27 F	828.8
04U844	884.2	17-Sep-90	28 F	828.5
04U844	884.2	19-Mar-91	30 F	830.4
04U844	884.2	23-Mar-92	34 F	831.8
04U845	894.2	14-Dec-87	16 F	837.8
04U845	894.2	13-Apr-88	18 F	838.4
04U845	894.2	30-Aug-88	19 F	833.6
04U845	894.2	25-Nov-88	20 F	835.0
04U845	894.2	04-May-89	22 F	833.9
04U845	894.2	06-Aug-89	23 F	830.9
04U845	894.2	03-Nov-89	24 F	831.4
04U845	894.2	26-Apr-90	26 F	831.6
04U845	894.2	20-Mar-91	30 F	831.2
04U845	894.2	16-Mar-92	34 F	833.6
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
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	36 A	839.9
04U848	900.2	14-Dec-87	16 F	842.3
04U848	900.2	26-Jan-88	17 F	842.4
04U848	900.2	13-Apr-88	18 F	843.6
04U848	900.2	30-Aug-88	19 F	839.0
04U848	900.2	25-Nov-88	20 F	839.7
04U848	900.2	03-May-89	22 F	836.0

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U848	900.2	06-Aug-89	23 F	835.8
04U848	900.2	03-Nov-89	24 F	835.5
04U848	900.2	19-Jul-90	27 F	835.2
04U848	900.2	17-Sep-90	28 F	834.5
04U848	900.2	18-Mar-91	30 F	835.2
04U848	900.2	18-Mar-92	34 F	837.4
04U849	873.3	14-Dec-87	16 F	833.0
04U849	873.3	26-Jan-88	17 F	833.2
04U849	873.3	13-Apr-88	18 F	833.4
04U849	873.3	30-Aug-88	19 F	829.0
04U849	873.3	25-Nov-88	20 F	830.1
04U849	873.3	06-Aug-89	23 F	824.8
04U849	873.3	03-Nov-89	24 F	824.9
04U849	873.3	18-Apr-90	26 F	827.8
04U849	873.3	18-Mar-91	30 F	827.0
04U849	873.3	25-Mar-92	34 F	828.7
04U850	916.9	14-Dec-87	16 F	832.5
04U850	916.9	26-Jan-88	17 F	832.7
04U850	916.9	13-Apr-88	18 F	829.9
04U850	916.9	30-Aug-88	19 F	828.6
04U850	916.9	25-Nov-88	20 F	829.8
04U850	916.9	29-Apr-89	22 F	823.7
04U850	916.9	06-Aug-89	23 F	826.5
04U850	916.9	02-Nov-89	24 F	826.9
04U850	916.9	18-Apr-90	26 F	827.2
04U850	916.9	15-Mar-91	30 F	826.4
04U850	916.9	26-Mar-92	34 F	828.4
04U851	913.5	14-Dec-87	16 F	832.1
04U851	913.5	26-Jan-88	17 F	832.3
04U851	913.5	13-Apr-88	18 F	832.4
04U851	913.5	30-Aug-88	19 F	827.6
04U851	913.5	25-Nov-88	20 F	829.4
04U851	913.5	06-Aug-89	23 F	825.0
04U851	913.5	03-Nov-89	24 F	825.2
04U851	913.5	17-Apr-90	26 F	826.8
04U851	913.5	18-Mar-91	30 F	826.0
04U851	913.5	27-Mar-92	34 F	828.2
04U852	905.6	14-Dec-87	16 F	832.0
04U852	905.6	26-Jan-88	17 F	832.3
04U852	905.6	13-Apr-88	18 F	832.2
04U852	905.6	30-Aug-88	19 F	827.1
04U852	905.6	25-Nov-88	20 F	829.7
04U852	905.6	06-Aug-89	23 F	824.3
04U852	905.6	03-Nov-89	24 F	825.0
04U852	905.6	19-Apr-90	26 F	827.3
04U852	905.6	18-Mar-91	30 F	826.2
04U852	905.6	27-Mar-92	34 F	828.7
04U854	889.5	14-Dec-87	16 F	836.5
04U854	889.5	26-Jan-88	17 F	836.8
04U854	889.5	13-Apr-88	18 F	836.9
04U854	889.5	30-Aug-88	19 F	832.1
04U854	889.5	25-Nov-88	20 F	833.7
04U854	889.5	04-May-89	22 F	830.1
04U854	889.5	06-Aug-89	23 F	829.6
04U854	889.5	03-Nov-89	24 F	830.2
04U854	889.5	30-Apr-90	26 F	830.4
04U854	889.5	01-Apr-91	30 F	829.9
04U854	889.5	16-Mar-92	34 F	832.5
04U855	896.0	14-Dec-87	16 F	814.9
04U855	896.0	26-Jan-88	17 F	835.1
04U855	896.0	13-Apr-88	18 F	835.5
04U855	896.0	30-Aug-88	19 F	831.3
04U855	896.0	25-Nov-88	20 F	832.1
04U855	896.0	06-Aug-89	23 F	829.2
04U855	896.0	03-Nov-89	24 F	830.1
04U855	896.0	03-May-90	26 F	829.4
04U855	896.0	18-Mar-91	30 F	809.4
04U855	896.0	25-Mar-92	34 F	830.9
04U859	900.9	14-Dec-87	16 F	843.3
04U859	900.9	26-Jan-88	17 F	843.5
04U859	900.9	13-Apr-88	18 F	844.7
04U859	900.9	30-Aug-88	19 F	840.1
04U859	900.9	25-Nov-88	20 F	840.9
04U859	900.9	06-Aug-89	23 F	834.8
04U859	900.9	03-Nov-89	24 F	836.6
04U859	900.9	30-Apr-90	26 F	836.4
04U859	900.9	20-Mar-91	30 F	816.6
04U859	900.9	20-Mar-92	34 F	838.6
04U860	893.8	14-Dec-87	16 F	836.4
04U860	893.8	26-Jan-88	17 F	836.5
04U860	893.8	13-Apr-88	18 F	836.8
04U860	893.8	30-Aug-88	19 F	831.8
04U860	893.8	25-Nov-88	20 F	830.4
04U860	893.8	06-Aug-89	23 F	831.5
04U860	893.8	03-Nov-89	24 F	830.2
04U860	893.8	19-Apr-90	26 F	830.4
04U860	893.8	20-Mar-91	30 F	830.0
04U860	893.8	16-Mar-92	34 F	832.4
04U861	888.6	14-Dec-87	16 F	836.6
04U861	888.6	26-Jan-88	17 F	836.7
04U861	888.6	13-Apr-88	18 F	837.1
04U861	888.6	30-Aug-88	19 F	832.2
04U861	888.6	25-Nov-88	20 F	831.1
04U861	888.6	06-Aug-89	23 F	830.9
04U861	888.6	30-Apr-90	26 F	830.5
04U861	888.6	25-Mar-91	30 F	830.1
04U861	888.6	23-Mar-92	34 F	832.6

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U871	944.0	30-Aug-88	19 F	801.5
04U871	944.0	25-Nov-88	20 F	803.1
04U871	944.0	08-May-89	22 F	801.8
04U871	944.0	07-Aug-89	23 F	799.5
04U871	944.0	02-Nov-89	24 F	801.0
04U871	944.0	18-Apr-90	26 F	802.4
04U871	944.0	15-Mar-91	30 F	800.8
04U871	944.0	17-Mar-92	34 F	802.9
04U872	952.0	30-Aug-88	19 F	811.8
04U872	952.0	25-Nov-88	20 F	813.7
04U872	952.0	08-May-89	22 F	811.6
04U872	952.0	07-Aug-89	23 F	809.6
04U872	952.0	02-Nov-89	24 F	811.4
04U872	952.0	18-Apr-90	26 F	812.7
04U872	952.0	14-Mar-91	30 F	810.8
04U872	952.0	27-Mar-92	34 F	813.4
04U875	1014.0	30-Aug-88	19 F	813.0
04U875	1014.0	25-Nov-88	20 F	814.5
04U875	1014.0	07-Aug-89	23 F	811.1
04U875	1014.0	02-Nov-89	24 F	812.2
04U875	1014.0	17-Apr-90	26 F	814.2
04U875	1014.0	15-Mar-91	30 F	812.7
04U875	1014.0	18-Mar-92	34 F	815.1
04U877	920.0	30-Aug-88	19 F	827.6
04U877	920.0	25-Nov-88	20 F	828.8
04U877	920.0	29-Apr-89	22 F	826.5
04U877	920.0	07-Aug-89	23 F	825.6
04U877	920.0	02-Nov-89	24 F	825.8
04U877	920.0	18-Apr-90	26 F	826.2
04U877	920.0	15-Mar-91	30 F	825.3
04U877	920.0	17-Mar-92	34 F	827.4
04U879	946.0	30-Aug-88	19 F	827.3
04U879	946.0	25-Nov-88	20 F	827.6
04U879	946.0	07-Aug-89	23 F	825.8
04U879	946.0	02-Nov-89	24 F	825.5
04U879	946.0	18-Apr-90	26 F	826.3
04U879	946.0	15-Mar-91	30 F	825.2
04U879	946.0	26-Mar-92	34 F	827.0
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
04U881	977.0	25-Nov-88	20 F	807.8
04U881	977.0	07-Aug-89	23 F	802.6
04U881	977.0	02-Nov-89	24 F	804.1
04U881	977.0	17-Apr-90	26 F	814.2
04U881	977.0	14-Mar-91	30 F	807.6
04U881	977.0	28-Mar-92	34 F	810.9
04U882	918.0	25-Nov-88	20 F	801.1
04U882	918.0	03-May-89	22 F	800.4
04U882	918.0	02-Nov-89	24 F	798.9
04U882	918.0	17-Apr-90	26 F	802.8
04U882	918.0	14-Mar-91	30 F	803.0
04U882	918.0	18-Mar-92	34 F	806.4
04U883	949.0	25-Nov-88	20 F	800.3
04U883	949.0	07-Aug-89	23 F	788.4
04U883	949.0	02-Nov-89	24 F	796.4
04U883	949.0	17-Apr-90	26 F	800.1
04U883	949.0	14-Mar-91	30 F	801.0
04U883	949.0	27-Mar-92	34 F	804.7
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
234353	906.5	12-May-89	22 F	840.8
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
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

TABLE I
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
409547	896.0	23-Mar-92	34 F	832.7
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
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
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
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
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
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
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
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
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	891.2	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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
500691	891.2	18-Mar-91	30 F	829.0
500691	891.2	17-Mar-92	34 F	831.5
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
OW543U3	910.7	24-Mar-92	34 A	800.3
OW543U3	910.7	08-Oct-92	36 A	800.4
PJ#003	943.9	14-Dec-87	16 F	848.8
PJ#003	943.9	27-Jan-88	17 F	848.9
PJ#003	943.9	14-Apr-88	18 F	850.1
PJ#003	943.9	02-May-88	18 A	849.2
PJ#003	943.9	20-May-88	18 A	848.6
PJ#003	943.9	27-Jul-88	19 A	846.1
PJ#003	943.9	30-Aug-88	19 F	845.4
PJ#003	943.9	01-Sep-88	19 A	845.3
PJ#003	943.9	21-Sep-88	19 A	845.0
PJ#003	943.9	14-Oct-88	20 A	845.2
PJ#003	943.9	25-Nov-88	20 F	845.9
PJ#003	943.9	02-Dec-88	20 A	846.1
PJ#003	943.9	13-Jan-89	21 A	845.8
PJ#003	943.9	31-Mar-89	21 A	843.7
PJ#003	943.9	05-Aug-89	23 F	842.0
PJ#003	943.9	05-Oct-89	24 A	841.4
PJ#003	943.9	02-Nov-89	24 F	841.3
PJ#003	943.9	21-Dec-89	24 A	841.1
PJ#003	943.9	11-Jan-90	25 A	840.2
PJ#003	943.9	16-May-90	26 A	841.1
PJ#003	943.9	16-Jul-90	27 A	840.7
PJ#003	943.9	28-Feb-91	30 A	841.5
PJ#003	943.9	03-Jun-91	31 A	841.2
PJ#003	943.9	03-Sep-91	32 A	840.6
PJ#003	943.9	27-Sep-91	32 A	840.9
PJ#003	943.9	06-Dec-91	33 A	842.2
PJ#003	943.9	24-Mar-92	34 A	842.8
PJ#003	943.9	01-Jun-92	35 A	843.0
PJ#003	943.9	01-Sep-92	36 A	842.7
PJ#003	943.9	08-Oct-92	36 A	843.3
PJ#027	967.8	17-Nov-87	16 A	853.5
PJ#027	967.8	24-Nov-87	16 A	853.3
PJ#027	967.8	30-Nov-87	16 A	853.3
PJ#027	967.8	14-Dec-87	16 A	853.3
PJ#027	967.8	11-Jan-88	17 A	853.2
PJ#027	967.8	27-Jan-88	17 F	853.4
PJ#027	967.8	14-Apr-88	18 F	854.4
PJ#027	967.8	02-May-88	18 A	853.7
PJ#027	967.8	20-May-88	18 A	853.1
PJ#027	967.8	23-Jun-88	18 A	852.0
PJ#027	967.8	27-Jul-88	19 A	850.6
PJ#027	967.8	30-Aug-88	19 F	849.5
PJ#027	967.8	01-Sep-88	19 A	849.7
PJ#027	967.8	21-Sep-88	19 A	849.4
PJ#027	967.8	14-Oct-88	20 A	849.3
PJ#027	967.8	25-Nov-88	20 F	849.9
PJ#027	967.8	02-Dec-88	20 A	850.1
PJ#027	967.8	13-Jan-89	21 A	850.3
PJ#027	967.8	31-Mar-89	21 A	848.2
PJ#027	967.8	05-Aug-89	23 F	847.2
PJ#027	967.8	05-Oct-89	24 A	845.8
PJ#027	967.8	06-Nov-89	24 F	842.6
PJ#027	967.8	21-Dec-89	24 A	845.6
PJ#027	967.8	11-Jan-90	25 A	845.4
PJ#027	967.8	16-May-90	26 A	845.5
PJ#027	967.8	28-Feb-91	30 A	846.0
PJ#027	967.8	27-Sep-91	32 A	845.6
PJ#027	967.8	24-Mar-92	34 A	847.5
PJ#027	967.8	08-Oct-92	36 A	847.9
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	912.1	02-Dec-88	20 A	854.8
PJ#309	912.1	13-Jan-89	21 A	847.7
PJ#309	912.1	31-Mar-89	21 A	840.2
PJ#309	912.1	07-Jul-89	23 A	839.5
PJ#309	912.1	05-Aug-89	23 F	837.5
PJ#309	912.1	05-Oct-89	24 A	835.1
PJ#309	912.1	11-Jan-90	25 A	838.4
PJ#309	912.1	16-May-90	26 A	839.1
PJ#309	912.1	16-Jul-90	27 A	839.0
PJ#309	912.1	28-Feb-91	30 A	838.5
PJ#309	912.1	03-Jun-91	31 A	838.3
PJ#309	912.1	03-Sep-91	32 A	838.4

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
PJ#309	912.1	27-Sep-91	32 A	838.8
PJ#309	912.1	06-Dec-91	33 A	839.7
PJ#309	912.1	24-Mar-92	34 A	840.5
PJ#309	912.1	01-Jun-92	35 A	841.0
PJ#309	912.1	01-Sep-92	36 A	840.3
PJ#309	912.1	08-Oct-92	36 A	839.5
PJ#310	913.5	02-Dec-88	20 A	845.4
PJ#310	913.5	13-Jan-89	21 A	847.5
PJ#310	913.5	31-Mar-89	21 A	838.3
PJ#310	913.5	07-Jul-89	23 A	835.5
PJ#310	913.5	05-Aug-89	23 F	837.2
PJ#310	913.5	05-Oct-89	24 A	835.5
PJ#310	913.5	06-Nov-89	24 F	833.5
PJ#310	913.5	21-Dec-89	24 A	834.1
PJ#310	913.5	11-Jan-90	25 A	834.1
PJ#310	913.5	16-May-90	26 A	835.3
PJ#310	913.5	16-Jul-90	27 A	835.4
PJ#310	913.5	28-Feb-91	30 A	836.2
PJ#310	913.5	03-Jun-91	31 A	835.9
PJ#310	913.5	03-Sep-91	32 A	835.9
PJ#310	913.5	27-Sep-91	32 A	835.9
PJ#310	913.5	06-Dec-91	33 A	837.0
PJ#310	913.5	24-Mar-92	34 A	837.6
PJ#310	913.5	01-Jun-92	35 A	837.7
PJ#310	913.5	01-Sep-92	36 A	837.4
PJ#310	913.5	08-Oct-92	36 A	837.0
PJ#311	905.3	31-Mar-89	21 A	840.8
PJ#311	905.3	07-Jul-89	23 A	840.3
PJ#311	905.3	05-Aug-89	23 F	838.3
PJ#311	905.3	05-Oct-89	24 A	840.4
PJ#311	905.3	06-Nov-89	24 F	837.9
PJ#311	905.3	21-Dec-89	24 A	845.8
PJ#311	905.3	11-Jan-90	25 A	839.0
PJ#311	905.3	16-May-90	26 A	839.7
PJ#311	905.3	16-Jul-90	27 A	838.5
PJ#311	905.3	28-Feb-91	30 A	839.3
PJ#311	905.3	03-Jun-91	31 A	839.3
PJ#311	905.3	27-Sep-91	32 A	838.6
PJ#311	905.3	06-Dec-91	33 A	840.3
PJ#311	905.3	24-Mar-92	34 A	840.8
PJ#311	905.3	01-Jun-92	35 A	840.0
PJ#311	905.3	01-Sep-92	36 A	840.1
PJ#311	905.3	08-Oct-92	36 A	839.5
PJ#313	893.4	02-Dec-88	20 A	847.5
PJ#313	893.4	13-Jan-89	21 A	845.7
PJ#313	893.4	31-Mar-89	21 A	838.6
PJ#313	893.4	07-Jul-89	23 A	836.8
PJ#313	893.4	05-Aug-89	23 F	839.9
PJ#313	893.4	05-Oct-89	24 A	835.8
PJ#313	893.4	21-Dec-89	24 A	835.5
PJ#313	893.4	11-Jan-90	25 A	894.5
PJ#313	893.4	16-May-90	26 A	836.7
PJ#313	893.4	16-Jul-90	27 A	836.5
PJ#313	893.4	28-Feb-91	30 A	835.1
PJ#313	893.4	03-Jun-91	31 A	836.3
PJ#313	893.4	03-Sep-91	32 A	835.4
PJ#313	893.4	27-Sep-91	32 A	835.8
PJ#313	893.4	06-Dec-91	33 A	836.9
PJ#313	893.4	24-Mar-92	34 A	837.6
PJ#313	893.4	01-Jun-92	35 A	837.7
PJ#313	893.4	01-Sep-92	36 A	837.0
PJ#313	893.4	08-Oct-92	36 A	806.5
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#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

TABLE 1
TCAAP GROUNDWATER ELEVATION DATA

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
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#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
PJ#508	956.8	03-Nov-89	24 F	846.3
PJ#802	902.4	17-Nov-87	16 A	849.4
PJ#802	902.4	24-Nov-87	16 A	849.3
PJ#802	902.4	30-Nov-87	16 A	849.2
PJ#802	902.4	14-Dec-87	16 A	849.0
PJ#802	902.4	14-Dec-87	16 F	848.9
PJ#802	902.4	11-Jan-88	17 A	849.3
PJ#802	902.4	26-Jan-88	17 F	849.0
PJ#802	902.4	13-Apr-88	18 F	848.4
PJ#802	902.4	02-May-88	18 A	849.5
PJ#802	902.4	20-May-88	18 A	849.0
PJ#802	902.4	23-Jun-88	18 A	847.7
PJ#802	902.4	27-Jul-88	19 A	846.8
PJ#802	902.4	30-Aug-88	19 F	845.8
PJ#802	902.4	01-Sep-88	19 A	845.8
PJ#802	902.4	21-Sep-88	19 A	845.5
PJ#802	902.4	14-Oct-88	20 A	845.6
PJ#802	902.4	25-Nov-88	20 F	846.4
PJ#802	902.4	02-Dec-88	20 A	846.3
PJ#802	902.4	13-Jan-89	21 A	846.3
PJ#802	902.4	31-Mar-89	21 A	843.8
PJ#802	902.4	03-Aug-89	23 F	842.2
PJ#802	902.4	05-Oct-89	24 A	841.8
PJ#802	902.4	03-Nov-89	24 F	841.5
PJ#802	902.4	21-Dec-89	24 A	841.3
PJ#802	902.4	11-Jan-90	25 A	841.4
PJ#802	902.4	16-May-90	26 A	841.4
PJ#802	902.4	16-Jul-90	27 A	841.0
PJ#802	902.4	28-Feb-91	30 A	841.6
PJ#802	902.4	03-Jun-91	31 A	841.4
PJ#802	902.4	03-Sep-91	32 A	840.8
PJ#802	902.4	27-Sep-91	32 A	841.1
PJ#802	902.4	06-Dec-91	33 A	841.3
PJ#802	902.4	24-Mar-92	34 A	841.8
PJ#802	902.4	01-Jun-92	35 A	842.0
PJ#802	902.4	01-Sep-92	36 A	841.8
PJ#802	902.4	08-Oct-92	36 A	842.4

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
PJ#806	909.3	17-Nov-87	16 A	848.9
PJ#806	909.3	24-Nov-87	16 A	848.5
PJ#806	909.3	30-Nov-87	16 A	848.2
PJ#806	909.3	14-Dec-87	16 A	848.0
PJ#806	909.3	11-Jan-88	17 A	848.8
PJ#806	909.3	27-Jan-88	17 F	847.8
PJ#806	909.3	13-Apr-88	18 F	848.4
PJ#806	909.3	02-May-88	18 A	848.2
PJ#806	909.3	20-May-88	18 A	847.7
PJ#806	909.3	23-Jun-88	18 A	846.0
PJ#806	909.3	27-Jul-88	19 A	845.6
PJ#806	909.3	30-Aug-88	19 F	844.5
PJ#806	909.3	01-Sep-88	19 A	844.9
PJ#806	909.3	21-Sep-88	19 A	844.2
PJ#806	909.3	14-Oct-88	20 A	844.7
PJ#806	909.3	25-Nov-88	20 F	846.0
PJ#806	909.3	02-Dec-88	20 A	845.8
PJ#806	909.3	13-Jan-89	21 A	845.8
PJ#806	909.3	31-Mar-89	21 A	841.9
PJ#806	909.3	03-Aug-89	23 F	840.2
PJ#806	909.3	05-Oct-89	24 A	839.7
PJ#806	909.3	03-Nov-89	24 F	839.8
PJ#806	909.3	21-Dec-89	24 A	839.1
PJ#806	909.3	11-Jan-90	25 A	839.4
PJ#806	909.3	16-May-90	26 A	839.5
PJ#806	909.3	16-Jul-90	27 A	839.1
PJ#806	909.3	28-Feb-91	30 A	839.8
PJ#806	909.3	03-Jun-91	31 A	839.5
PJ#806	909.3	03-Sep-91	32 A	838.8
PJ#806	909.3	27-Sep-91	32 A	839.2
PJ#806	909.3	06-Dec-91	33 A	840.5
PJ#806	909.3	24-Mar-92	34 A	841.1
PJ#806	909.3	01-Jun-92	35 A	841.1
PJ#806	909.3	01-Sep-92	36 A	840.7
PJ#806	909.3	08-Oct-92	36 A	841.3
S.G. #1		28-Feb-91	30 A	865.2
S.G. #1		27-Sep-91	32 A	865.7
S.G. #1		24-Mar-92	34 A	867.6
S.G. #1		08-Oct-92	36 A	866.6
S.G. #2		28-Feb-91	30 A	865.0
S.G. #2		27-Sep-91	32 A	865.9
S.G. #2		24-Mar-92	34 A	867.8
S.G. #2		08-Oct-92	36 A	866.8
S.G. #3		28-Feb-91	30 A	865.5
S.G. #3		27-Sep-91	32 A	866.0
S.G. #3		24-Mar-92	34 A	867.5
S.G. #3		08-Oct-92	36 A	866.5

Table 2

TCAAP Organic Groundwater Quality Data

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. All MPCA data has been validated unless noted with a "+". For MPCA data, "PP" = Peak Present, but not quantifiable.

(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.

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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 TCL1FE	Methylene Chloride CH2CL2	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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	P22		<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	P23		<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	P22		<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	P23		<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	P24		<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	P18		<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	P16		<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	P20		<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	P20		<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	P16		<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	P16		<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
01U036	14-Nov-88	P20		<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	P22		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	P22		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	P23		<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	P23		<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	P24		<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	P24		<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	BPQ 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					
01U037	07-Apr-88	P18		<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	P26		<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	P18		<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		
01U039	06-Apr-88	P18		<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	P26		<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	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	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	05-Mar-92	F34	BFP 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	BPG 008																	<3.09	<3.39	<1.17		
01U040	05-Apr-88	P18		<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	05-Apr-88	P18		<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		
01U045	08-Aug-88	P19		<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	P22		<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	P23		<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	P24		<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 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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		
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							
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					
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			<0.41	<0.87	<8.28		
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			<3.09	<3.39	<1.17		
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		
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		

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Metaft Para Xylene 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		
01U072		07-Apr-88	P18		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<0.28		
01U085		11-Nov-87	P16		<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	P19		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<0.28		
01U085		17-Nov-88	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U085		18-Apr-90	P26		<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	<0.28		
01U085		13-Mar-91	P30		<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	<0.28		
01U085		16-Mar-92	P34	BOH 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					
01U098		19-Nov-87	P16		<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	P18		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<0.28		
01U098		17-Nov-88	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U098		26-Apr-90	P26		<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	<0.28		
01U098		25-Mar-91	P30		<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	<0.28		
01U098		11-Mar-92	P34	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	<0.41	<0.87	<0.28		
01U098		11-Mar-92	P34	BFT 012																	<3.09	<3.39	<1.17		
01U100		07-Apr-88	P18		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<0.28		
01U101		14-Nov-88	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<0.28		
01U101		25-Apr-89	P22		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<0.28		
01U101		25-Jul-89	P23		<0.88	<1.10	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<0.41	<0.87	<0.28		
01U101		26-Jul-89	P23		<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	P24		<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		25-Oct-89	P24		<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		
																	<0.41	<0.62			<3.09	<3.39	<1.17		
01U102		08-Aug-88	P19		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U102		11-Nov-88	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U102		25-Apr-89	P22		41.60	31.00	<1.00	9.60			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U102		25-Jul-89	P23		<0.88	2.20	<0.49	44.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			0.84	<0.87	<0.28		
01U102		27-Jul-89	P23		<1.80	2.80	<0.98	47.00			<3.00	<1.60	<2.00		<1.00		<0.82	<1.20			<3.09	34.00	<1.17		
01U102		25-Oct-89	P24		81.00	160.00	<0.49	75.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<6.20	34.00	<3.30		
01U102		26-Oct-89	P24		64.00	200.00	<0.49	80.00			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62			<3.09	<3.39	<1.17		
01U102		16-Apr-90	P26		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	<6.20	<6.80	<3.30		
01U102		17-Apr-90	P26																						
01U102		17-Jul-90	P27		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	10.90	<0.87	<0.28		
01U102		19-Sep-90	P28		170.00	170.00	<1.00	170.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00			6.90	<0.87	<0.28		
01U102		21-Sep-90	P28		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	ND	ND	ND		
01U102	(4)	21-Sep-90	P28		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	P30		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	<12.00	41.00	<8.70	<82.80		
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		05-Jun-91	P31		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		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		30-Jul-91	P32		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		03-Sep-91	P32		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	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		09-Mar-92	P34	BFI 012																	<3.09	<3.39	<1.17		
01U102		09-Mar-92	P34	BFQ 015	180.00	47.00	<5.10		98.00	<5.30	<21.00	<5.80	<7.60	<4.90	<23.00	<6.00	<5.40	<20.00	<22.00	<7.10					
01U102		01-Jun-92	P35	BIW 005		45.30	<1.01			<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U102		01-Jun-92	P35	BIX 005																	<3.09	<3.39	<1.17		
01U102		01-Jun-92	P35	BIY 012	140.00				130.00																
01U102		01-Sep-92	P36	BMG 005																	4.57	<3.39	<1.17		
01U102		20-Oct-92	P36	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	<12.00					

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TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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		
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					
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					
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					
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		
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		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	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	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		200.00	150.00	<1.00	70.00			<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	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		68.00	39.00	<1.00	13.00			<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		

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		21-Aug-90	P27		110.00	62.00	<1.00	14.10			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		18-Sep-90	P28		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	P28		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	P28		110.00	63.00	<1.00	18.40			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		22-Oct-90	P28		120.00	54.00	<1.00	12.00			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U108		22-Oct-90	P29		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	P29		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	P29		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	P30		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	P30		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	P30		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
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	GNF 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					
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		
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		
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		
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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	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	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	09-Mar-92	F34	BFI 007																	<3.09	<3.39	<1.17		
01U115	09-Mar-92	F34	BPQ 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	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	BMP 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	BMQ 006																	<3.09	<3.39	<1.17		
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	BPQ 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					
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		
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	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	09-Mar-92	F34	BFI 009																	<3.09	<3.39	<1.17		
01U117	09-Mar-92	F34	BPQ 013	6.80	39.00	<5.10		130.00	6.70	<21.00	<5.80	<7.60	<4.90	<23.00	<6.00	<5.40	<20.00	<22.00	9.10					
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		

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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	BPQ 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					
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		
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	BPI 005																	<3.09	<3.39	<1.17		
01U120		06-Mar-92	F34	BPQ 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					
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			<5.00	14.00	13.00		
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	<0.41	<0.87	<8.28		
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					
01U125	(4)	05-Mar-92	F34	BFP 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		05-Mar-92	F34	BFP 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	(4)	05-Mar-92	F34	BPG 013																	<3.09	<3.39	<1.17		
01U125		05-Mar-92	F34	BPG 014																	<3.09	<3.39	<1.17		
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	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

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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					
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		
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		
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		
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		
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		
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		
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					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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		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		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					
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		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		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					
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					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		17-Dec-91	P33	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					
01U350		21-Jan-92	P34	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	P34	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	P34	BGG 003																	<3.09	<3.39	16.00		
01U350		17-Mar-92	P34	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	P35	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	P35	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	P35	BIX 007																	<3.09	<3.39	8.43		
01U350		16-Jun-92	P35	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	P36	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	P36	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	P36	BMG 010																	<3.09	<3.39	2.36		
01U350		15-Sep-92	P36	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	P36	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					
01U524		17-Nov-87	P16		<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	P18		<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	P19		<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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U525		16-Nov-87	P16		<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		
01U525		07-Apr-88	P18		<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	P19		<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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U525		27-Apr-89	P22		<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	P23		<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	P24		<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	P16		<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	P18		<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	P19		<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	P20		<1.00	1.74	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U526		09-May-89	P22		<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	P23		<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	P24		<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	P26		<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	P30		<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	P34	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					
01U527		17-Nov-87	P16		<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	P18		<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	P19		<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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U601		07-Dec-87	P16		<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	P16		<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					
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	P16		<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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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					
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					
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	(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		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)	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		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		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					
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					
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					
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		10-Sep-92	A36	(4)(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					
01U634		12-May-89	P22		<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	P23		<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 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Metaft Para Xylene 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	12-May-89	P22		<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	P23		<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					
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	P22		<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	P23		<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	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	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	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					
01U640	26-Jul-89	P23		<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	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	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	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
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					
01U652	12-May-89	P22		<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	P23		<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	P24		<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	P22		<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	P32		<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	P32		<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	P32		<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	P32		<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	P23		<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	P23		<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	P24		<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	P24		<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	P26		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U901	17-Jul-90	P27		<1.00	2.16	<1.00	0.83			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
01U901	18-Sep-90	P28		<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	P28		<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	P30		<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	P30		<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	P32		<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	P33	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	P34	BPF 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	P34	BPG 011																	<3.09	<3.39	<1.17		
01U901	16-Jun-92	P35	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	P36	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					
01U902	25-Jul-89	P23		<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	P23		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	P24		<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	P24		<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	P25		<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		
01U902	20-Feb-90	P25		<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	P26		<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	P26		<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	P27		<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	P27		<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	P27		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	P28		<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	P28		<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	P29		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					

TABLE 2

TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2HBCL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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	400.00	<20.00	11.00			<38.00	32.00	<20.00	<15.60	<10.00	<26.00	<14.40	<20.00	<20.00	<64.00					
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	(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		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		01-Sep-92	A36	(5)	<1.00	6.22	2.84	<0.50			<1.90	21.90	1.74	1.19	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		01-Sep-92	A36	(4)(5)	<1.00	6.83	2.90	<0.50			<1.90	23.10	1.51	1.10	<0.50	<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								
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		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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		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	2800.00	200.00	62.00			<1.90	1300.00	4.38	210.00	6.00	<1.30	2.83	<1.00	<1.00	<3.20					
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)	17.20	7500.00	200.00	28.40			<1.90	1900.00	10.20	95.00	<0.50	<1.30	3.28	<1.00	12.10	8.47					
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					
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-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-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	2400.00	65.00	<25.00			<95.00	410.00	<50.00	80.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
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*					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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					
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					
03L001		16-Nov-87	P16		<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								
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					
03L002		17-Nov-87	P16		<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					
03L003		19-Nov-87	P16		<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	P19		<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 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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					
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					
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		
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					
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	(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		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					
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					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Metadt Para Xylene 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		
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					
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					
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					
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					
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					
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		
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		

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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		
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		
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																		<0.41	<0.87	<8.28		
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		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	Well Abandoned																						
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	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		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		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					
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					
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 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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					
03L809	10-May-89	P22		<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	P24		<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	P26		<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	P27		<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	P28		<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					
03L811	25-Nov-87	P16		<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	P22		<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	P23		<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	P24		<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	P26		<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					
03L813	25-Nov-87	P16		<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	P22		<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	P23		<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	P24		<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	P16		<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	P22		<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	P23		<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	P24		<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	P26		<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					
03L832	24-Nov-87	P16		<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	P22		<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	P23		<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	P24		<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					
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	P26		<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	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					
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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03L846	03-May-89	P22		<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	P23		<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	P24		<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	P26		<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					
03L848	02-Dec-87	P16		<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	P22		<1.00	270.00	2.64	24.90			<1.90	1.56	<1.00		<0.50		<0.72	<1.00			<0.41	<0.87	<8.28		
03L848	20-Jul-89	P23		<18.00	130.00	<9.80	<11.00			<30.00	<16.00	<20.00		<10.00		<8.20	<12.00			<62.00	<68.00	<23.00		
03L848	19-Oct-89	P24		<0.88	610.00	1.16	21.60			<1.50	1.56	<0.99		<0.51		0.43	<0.62			<3.09	<3.39	<1.17		
03L848	19-Apr-90	P26		<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					
03L848	19-Jul-90	P27		<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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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					
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													
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					
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	(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		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					
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	(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		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					
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					
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					
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		
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		

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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	<1.00	<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				
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					
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					
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					
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					
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					
03M505		09-Nov-87	F16																						
03M505		Well Abandoned																			<3.09	<3.39	<1.17		
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					
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					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		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		
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	(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		03-Jun-92	F35	BIZ 007																	<3.09	<3.39	<1.17		
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		
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		
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		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		03-Jun-92	A35	(5)	<5.00	670.00	6.40	9.20			<9.50	35.00	<5.00	4.40	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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-Nov-87	P16		<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								
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	P19		<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					
03U005		23-Nov-87	P16		<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	P18		<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	P19		<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	P20		<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	P26		<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	P30		<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	P34	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					
03U007		09-Nov-87	P16		<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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U007		23-Apr-90	P26		<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	P30		<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	P34	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					
03U008		09-Nov-87	P16		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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U008		23-Apr-90	P26		<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	P16		<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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U009		23-Apr-90	P26		<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	P30		<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	P34	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					
03U010		09-Nov-87	P16		<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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U010		10-Mar-92	P34	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	P16		<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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U013		10-Nov-87	P16		<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	P16		<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	P19		<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					
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	(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		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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
03U015	17-Nov-87	P16		<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	P18		<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	P19		44.90	20.70	<1.00	48.80			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U015	16-Nov-88	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U015	01-May-90	P26		<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	P30		<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					
03U016	27-Apr-90	P26		<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		
03U017	10-Nov-87	P16		<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					
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	P19		<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					
03U019	23-Nov-87	P16		<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	P19		<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	P26		<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	P27		<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	BPS 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	BPT 005																	<3.09	<3.39	<1.17		
03U020	07-Dec-87	P16		<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	P19		<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					
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					
03U022	05-Apr-88	P18		<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	P16		<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	P20		<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	P26		<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		

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
03U023		09-Mar-92	F34	BFI 011																	<3.09	<3.39	<1.17		
03U023		09-Mar-92	F34	BPQ 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					
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	BPS 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								
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	P19		<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					
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					
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	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		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					
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	(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		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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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					
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																		<0.41	<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	(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	(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		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	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		
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					
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					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Metadt Para Xylene 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		
03U079		04-Dec-87	F16		<440.00	7000.00	<240.00	<280.00			<750.00	<400.00	<300.00	<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	P19		<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		<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-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-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					
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					
03U083		10-Aug-88	P19		<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	P26		<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		
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					
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	P19		<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	(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		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					
03U088		17-Nov-87	F16																		<3.09	<3.39	<1.17		
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			<0.41	<0.87	<8.28		
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							
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	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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 TCL1FE	Methylene Chloride CH2CL2	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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	P27		<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	P27		<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													
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		
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		<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-Jun-91	F31																		<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		
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					
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					
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					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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		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					
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		
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	BPS 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	BPT 009																	<3.09	<3.39	<1.17		
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		
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		
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	BPS 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	BPT 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	BMP 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	(4)	02-Sep-92	F36	BMP 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		02-Sep-92	F36	BMG 015																	<3.09	<3.39	<1.17		
03U114	(4)	02-Sep-92	F36	BMG 016																	<3.09	<3.39	<1.17		

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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		
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	BMP 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		
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	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		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		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					
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								
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	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		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					

TABLE 2

TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		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					
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					
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					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
03U521		20-Nov-87	P16		<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	P18		<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	P19		<1.00	1.66	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U521		18-Nov-88	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
03U521		25-Apr-90	P26		<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	GNO 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					
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					
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	P19		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					
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					
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					
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								

TABLE 2

TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Metadt Para Xylene 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		
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					
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					
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								
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					
03U704	10-Nov-87	P16		<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	P18		<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	P19		<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	P20		<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	P26		<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					
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	P26		<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	P27		<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	P28		<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	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-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-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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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 fluorothane TCLTFE	Methylene Chloride CH2CL2	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Metad& Para Xylene 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	
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					
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							
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					
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					
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	(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		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					
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					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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					
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					
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		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	(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	(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		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					
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					
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	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		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		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					
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					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		20-Mar-92	F34	BGU 016		210.00																			
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		
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					
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		<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		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		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	(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		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					
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	(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		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					
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					
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					
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					
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					
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								

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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	6.50	<1.00	<0.50			<1.90	1.36	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		16-Nov-87	P16																		<3.09	<3.39	<1.17		
04U001		13-Jun-88	A17		<0.20	6.90	<0.20		<0.20	<0.20	<0.20	2.80	<0.20	<0.20	<0.20		<0.20								
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	P19		<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					
04U002		17-Nov-87	P16		<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-Jun-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					
04U003		19-Nov-87	P16		<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-Jun-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					
04U007		09-Nov-87	P16		<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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U007		23-Apr-90	P26		<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		28-Mar-91	P30		<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	P34	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					
04U012		09-Nov-87	P16		<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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Metadt Para Xylene 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		
04U020		07-Dec-87	P16		<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	P19		<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					
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					
04U077		04-Dec-87	P16		<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					
04U510		18-Nov-87	P16		<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	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U510		23-Apr-90	P26		<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	P30		<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	P34	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					
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	P22		<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	P23		<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	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		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		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
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					
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	(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		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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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					
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					
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					
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					
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					
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					
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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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					
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					
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					
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	(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		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					
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					
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	(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		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					
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					

TABLE 2

TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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	P24		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	P26		<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	P27		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	P28		<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	P30		<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	P30		<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													
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	P22		<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	P23		<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	P24		<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	P26		<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	P30		<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																			
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	P23		<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	P24		<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					
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	P22		<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	P23		<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	P24		<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	P26		<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	P27		<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	P28		<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	P30		<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	P30		<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	(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		04-Jun-92	F35	BJI 008		1800.00	160.00					750.00		1300.00											
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					
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	P23		<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	P24		<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	P26		<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	P27		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	P28		<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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
04U849		01-Dec-87	P16		<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	P19		<1.00	41.40	2.46	3.93			<1.90	13.90	<1.00		<0.50		<0.72	<1.00							
04U849		18-Apr-90	P26		<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					
04U850		01-Dec-87	P16		<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	P22		<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	P23		<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	P24		<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	P26		<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						
04U851		24-Nov-87	P16		<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	P26		<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					
04U852		24-Nov-87	P16		<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	P19		<1.00	1.18	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
04U852		19-Apr-90	P26		<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					
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	P22		<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	P23		<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	P24		<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	P26		<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
04U855		25-Nov-87	P16		<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					
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	P26		<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					
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	P26		<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	(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		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					
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	P26		<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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		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		
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		
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		
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			0.98	<0.87	<8.28		
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							
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	(4)	27-Mar-92	F34	BHB 006																	<3.09	<3.39	<1.17		
04U875		27-Mar-92	F34	BHB 007																	<3.09	<3.39	<1.17		
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					
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					
04U879		26-Mar-92	F34	BHF 006																	<3.09	<3.39	<1.17		

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
04U880		01-Sep-88	P19		<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	P20		<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	P23		<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	P24		<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	P26		<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	P30		<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					
04U881		09-Nov-88	P20		<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	P23		<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	P24		<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	P26		<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	P30		<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	(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		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	(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		28-Mar-92	F34	BHD 007																	<3.09	30.90	<1.17		
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		
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			<0.41	<0.87	<8.28		
04U882		09-Nov-88	P20		<1.00	32.30	<1.00	<0.50			<1.90	7.73	<1.00		<0.50		<0.72	<1.00							
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	P22		<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	P23		<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	P24		<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	P26		<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	P30		<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		
04U883		09-Nov-88	P20		<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	P23		<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	P24		<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	P26		<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	P30		<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		
134318		27-Jul-89	P23		<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		
191942		30-Nov-87	P16		<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
200154		31-Jul-89	P23		<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		
200264		25-Aug-88	P19		15.90	7.48	1.68	19.50			<1.90	15.90	1.31		<0.50		<0.72	<1.00							
200524		16-Aug-88	P19		<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

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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-Aug-88	P19		<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
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
200812		02-May-90	P26		<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	P27		<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	P28		<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	P31																		<0.41	<0.87	<8.28		
200812		07-Jun-91	P31		<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	P31		<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	(4)	07-Jun-91	P31																		<0.41	<0.87	<8.28		
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		
200814		31-Jul-89	P23		<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	P24		<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	P24		<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		
206787		24-Oct-89	P24		<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	P26		<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	P27		<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	P28		<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		
206791		23-Jul-90	P27		<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					
206793		23-Jul-90	P27		<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													
206797		23-Jul-90	P27		<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	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		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		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																			
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	P22		<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	P23		<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	P24		<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	P26		<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					
233222		06-Aug-92	F36	BKN 005					24.30																

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
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		
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							
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	P19		<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	<0.41	<0.87	<8.28		
234335		23-Jul-90	P27		<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					
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								
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	2.80	<0.20	<0.20	<0.10	<0.20	<0.20	3.80	<0.20	<0.20		<0.20	<0.20
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
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		
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
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	0.20	<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
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	P24		<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		
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	1.95		<0.89	<1.06	<4.10	6.53	<1.52	1.43	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
234546		04-Jun-92	F35	BJI 003		54.00																			
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					
235539		26-Aug-88	P19		<1.00	1.49	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
235619		31-Jul-89	P23		<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	P24		<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								

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		
405651		31-Jul-89	P23		<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	P24		<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	P26		<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	P30		<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	P34	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					
409546		10-May-89	P22		<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	P23		<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	P24		<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	P26		<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	P30		<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	<0.41	<0.87	<8.28		
409546		25-Mar-92	P34	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					
409546		25-Mar-92	P34	BHE 005																	<3.09	5.42	<1.17		
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	P26		<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	P27		<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	P28		<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	3.52					
409547		20-Mar-91	P30		<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	P34	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	3.31					
409548		10-May-89	P22		<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	P23		<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	P24		<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	P26		<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	P30		<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	P34	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	P34	BHE 006																	<3.09	6.80	<1.17		
409549		17-Aug-88	P19		<1.00	220.00	10.30	7.42			<1.90	22.20	<1.00		1.12		<0.72	<1.00							
409549		18-Apr-90	P26		<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	P27		<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	P28		<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	P30		<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	P31		<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	P31		<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	P31		<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	P32		<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	(4)	26-Mar-92	P34	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		26-Mar-92	P34	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		27-Mar-92	P34	BGY 017		180.00	<10.00				<41.00								<45.00						
409549		27-Mar-92	P34	BGY 018		170.00									<46.00		<11.00								
409549		04-Jun-92	P35	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	P35	BJI 005		180.00																			
409549	(4)	04-Sep-92	P36	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					
409550		10-May-89	P22		<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	P24		<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	P26		<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	P27		<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	P28		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	P30		<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	P34	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	P34	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					
409555		17-Aug-88	P19		<1.00	1.04	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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		10-May-89	P22		<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	P23		<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	P24		<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	P26		<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	P30		<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	P30		<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	P34	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					
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	P22		<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	P23		<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	P24		<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	P26		<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	P30		<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	P34	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					
409595		30-Nov-87	P16		<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	P16		<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	P26		<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	P30		<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	P30		<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	P34	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					
409597		30-Nov-87	P16		<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	P26		<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	P30		<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	P30		<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	P34	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	P34	BGW 005		1200.00																			
409598		30-Nov-87	P16		<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	P34	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	P34	BGW 007		860.00						120.00													
500691		17-Oct-89	P24		<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	P26		<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	P27		<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	P28		<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	P30		<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	P34	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					
508115		18-Oct-89	P24		<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	P26		<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	P27		<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	P28		<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	P30		<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	P34	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					
PJ#003		19-Nov-87	P16		<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#027		20-Nov-87	P16		<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	P16		<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	P19		<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								

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Metadt Para Xylene 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#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	150.00	5.69	2.04			<1.90	27.30	<1.00	9.73	<0.50	<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	650.00	<50.00	<25.00			<95.00	220.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
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								
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	19.50	<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#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	(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		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		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					

TABLE 2
TCAAP ORGANIC GROUNDWATER QUALITY DATA - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6	Toluene MEC6H5	Total Xylenes TXYLEN	Ortho Xylene OXYLEN	Meta& Para Xylene 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#318	24-Aug-88	P19		<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	P20		<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	P22		<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	P23		<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	P24		<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	P26		<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	P30		<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#502	18-Nov-87	P16		<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	P16		<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	P16		<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	P16		<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	P19		<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	P16		<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	P16		<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					
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					
1705TERRAC	22-Jan-91	P30		<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	P30		<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					
1740PINEW	22-Jan-91	P30		<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					
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
1746PINEW	22-Jan-91	P30		<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					
1747HILLV	22-Jan-91	P30		<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			
1783PINEW	22-Jan-91	P30		<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	P30		<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					
1831CORDI	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
5553SCHUT	22-Jan-91	P30		<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					
5567FAIRV	22-Jan-91	P30		<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					
5567FAIRV	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
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	P30		<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					
BOYLE	18-Oct-89	P24		<0.88	1.43	<0.49	<0.56			<1.50	<0.81	<0.99		<0.51		<0.41	<0.62							
BOYLE	20-Oct-89	P24																		<3.09	<3.39	<1.17		
MNDOT	07-Nov-88	P20		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00		<0.50		<0.72	<1.00							
MNDOT	01-Apr-91	P30		<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 3

TCAAP Inorganic Groundwater Quality Data

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.

Table 3

TCAAP Inorganic Groundwater Quality Data

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.

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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								
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								
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							
01U039	06-Apr-88	F18		<6.01	41.50		<0.37	<2.50			<5.32	<1.26								
01U040	05-Apr-88	F18		<6.01	142.00		<0.37	<2.50			5.07	<1.26								
01U041	05-Apr-88	F18		<6.01	49.10		0.66	<2.50			<5.32	<1.26								
01U045	08-Aug-88	F19		<6.01	160.00		0.36	<2.50			<5.32	<1.26								
01U045	13-Mar-91	F30															<8.17	<10.00	20.60	22.90
01U045	16-Mar-92	F34															<8.35	120.00	<12.10	40.50
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				

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	Date	Qtr (2)	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													
01U036	11-Nov-87	F16				<29.40									
01U036	14-Nov-88	F20													
01U037	07-Apr-88	F18													
01U037	21-Jun-92	F35							<1.00						
01U038	06-Apr-88	F18													
01U038	21-Jun-92	F35							2.90						
01U039	06-Apr-88	F18													
01U040	05-Apr-88	F18													
01U041	05-Apr-88	F18													
01U045	08-Aug-88	F19				<25.00									
01U045	13-Mar-91	F30													
01U045	16-Mar-92	F34													
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									

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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			
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			
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				
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			
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								
01U101		14-Nov-88	F20		<6.01	177.00		0.40	<2.50			<5.32	<1.26								
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					
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	F35										<0.80	54.80	8.10						
01U103		19-Jun-92	M35	<1.00										13.00	<5.00	0.70		<0.01			
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							
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							
01U106		19-Jun-92	F35										1.60	3.20							
01U106		19-Jun-92	M35										<2.00								
01U107		08-Apr-88	F18		<6.01	170.00		0.58	<2.50			<5.32	<1.26								
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	(4)	20-Jun-92	F35																		
01U108		20-Jun-92	F35	<0.50			<0.10				1340.00			<1.00	<1.00	<1.00					
01U109		08-Apr-88	F18		<6.01	107.00		<0.37	<2.50			<5.32	<1.26								
01U109	(4)	21-Jun-92	F35											1.70							
01U109		21-Jun-92	F35											<1.00							

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		Date	Qtr (2)	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
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													
01U067		05-Apr-88	F18													
01U067		19-Jun-92	F35						3870.00	<1.00			20800.00			<0.60
01U067		19-Jun-92	M35					<0.03	75.00	1.00			20.00			
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													
01U101		14-Nov-88	F20													
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													
01U103		11-Nov-87	F16				<29.40									
01U103		19-Jun-92	F35							2.20						
01U103		19-Jun-92	M35													
01U104		06-Mar-92	F34				69.10									
01U104		21-Jun-92	F35							<1.00						
01U105		06-Mar-92	F34				67.10									
01U105		21-Jun-92	F35							<1.00						
01U106		19-Jun-92	F35							<1.00						
01U106		19-Jun-92	M35													
01U107		08-Apr-88	F18													
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	(4)	20-Jun-92	F35								7760.00					
01U108		20-Jun-92	F35							<1.00	15300.00					
01U109		08-Apr-88	F18													
01U109	(4)	21-Jun-92	F35							<1.00						
01U109		21-Jun-92	F35							<1.00						

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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		08-Apr-88	F18		<6.01	35.00		<0.37	<2.50			<5.32	<1.26								
01U110		21-Jun-92	F35											<1.00							
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	(4)	19-Jun-92	F35																		
01U115		19-Jun-92	M35											<0.60				<0.01			
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	(4)	19-Jun-92	F35																		
01U116		19-Jun-92	M35		5.00									<0.60							
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	F35	<0.50	0.61		<0.10								1.10	<1.00					
01U117		19-Jun-92	M35	<1.00	1.10		<0.02							0.60		0.80	<0.40	<0.01			
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							
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							
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							
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							
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			

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		Date	Qtr (2)	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		08-Apr-88	F18													
01U110		21-Jun-92	F35							<1.00						
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	(4)	19-Jun-92	F35								6680.00					
01U115		19-Jun-92	M35													
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	(4)	19-Jun-92	F35								<100.00					
01U116		19-Jun-92	M35													
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	F35							<1.00						<0.60
01U117		19-Jun-92	M35							2.00						
01U118		11-Nov-87	F16				<29.40									
01U118		07-Apr-88	F18													
01U118		15-Nov-88	F20													
01U118		20-Jun-92	F35							<1.00						
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						
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						
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						
01U126		08-Dec-87	F16				<29.40									
01U126		06-Apr-88	F18													

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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			
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							
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			
01U127		19-Jun-92	F35		<0.20									1.10							
01U127		19-Jun-92	M35		0.50									<0.60							
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																		
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	F35		0.87		<0.10	<0.10						<1.00	1.30	<1.00					
01U133		19-Jun-92	M35		0.30		<0.02	<0.20						<0.60		2.10	<0.40				
01U135		21-Nov-88	F20		<6.01	91.00		<0.37	<2.50			<5.32	<1.26					<8.17			
01U136		21-Nov-88	F20		<6.01	490.00		1.00	<2.50			<27.00	1.92					<8.17			
01U137		06-Mar-92	F34		<4.81	22.50		<0.10	<2.18			<5.94	<2.65								
01U138		06-Mar-92	F34		<4.81	45.10		<0.10	<2.18			<5.94	<2.65								
01U139		06-Mar-92	F34		<4.810	91.20		<0.10	<2.18			<5.94	<2.65								
01U140		06-Mar-92	F34		<4.810	76.50		<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		06-Mar-92	F34		<4.81	<20.00		<0.10	<2.18			<5.94	<2.65								
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		91.00
01U350		18-Sep-90	F27		<6.01	150.00		<0.37	<2.50			5.67	1.40						890.00	23.50	72.90

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		Date	Qtr (2)	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
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						
01U127		11-Dec-87	F16				<29.40									
01U127		06-Apr-88	F18													
01U127		14-Nov-88	F20													
01U127		19-Jun-92	F35							7.10						
01U127		19-Jun-92	M35													
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									
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	F35							1.40						<0.60
01U133		19-Jun-92	M35							2.00						
01U135		21-Nov-88	F20													
01U136		21-Nov-88	F20													
01U137		06-Mar-92	F34				<29.40									
01U138		06-Mar-92	F34				<29.40									
01U139		06-Mar-92	F34				<29.40									
01U140		06-Mar-92	F34				<29.40									
01U141		06-Mar-92	F34				46.10									
01U141		06-Mar-92	F34				<29.40									
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													
01U350		18-Sep-90	F27													

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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		22-Oct-90	F29		<6.01	111.00		<0.37	<2.50			7.88	<1.26						1008.00	62.89	535.97
01U350		20-Nov-90	F29		<6.01	193.00		<0.37	<2.50			<5.32	4.40						784.00	54.04	83.56
01U350		18-Dec-90	F29		<6.01	183.40		<0.37	<2.50			5.54	<1.26						770.00	36.54	111.51
01U350		22-Jan-91	F30		<6.01	119.96		<5.00	<15.00	<20.00		7.79	1.66						714.00	37.31	169.78
01U350		19-Feb-91	F30		<6.01	103.83		<5.00	<15.00	<20.00		<5.32	2.51						840.00	28.10	170.00
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	18.90	140.00
01U350		19-Mar-91	F30									<63.10	<100.00								
01U350		16-Apr-91	F31		<6.01	131.00		<5.00	<15.00	<20.00		<5.32	<1.26				<8.17	610.00		28.60	91.30
01U350		18-May-91	F31									5.81	3.67				<8.17	2000.00		27.10	48.40
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	31.10	39.50
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																	35.50	370.00
01U350		19-Aug-91	F32		<6.01	140.00		<5.00	<15.00			6.20	8.46						910.00	14.70	99.30
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	32.70	55.10
01U350		22-Oct-91	F33		<6.01	125.00		<5.00	<15.00			<63.10	<1.26						980.00	20.80	890.00
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	130.00	160.00
01U350		17-Dec-91	F33		<6.01	147.00		<5.00	<15.00			6.07	<1.26						1400.00	28.60	43.30
01U350		21-Jan-92	F34		<6.01	140.00		<5.00	<15.00			<5.32	<1.26						1100.00	30.70	48.90
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	20.80	63.30
01U350	(4)	17-Mar-92	F34									5.49									
01U350		17-Mar-92	F34		<6.01	114.00		<5.00	<15.00			5.37	<1.26						11000.00	16.30	31.40
01U350		13-Apr-92	F35		<6.01	124.00		<5.00	<15.00			4.98	<1.26						1100.00	27.10	29.80
01U350		18-May-92	F35		<6.01	143.00		<5.00	<15.00			<5.32	1.28						1100.00	71.90	61.90
01U350		16-Jun-92	F35		<6.01	135.00		<5.00	<15.00			6.61	<1.26						1500.00	20.60	76.40
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				
01U350		21-Jul-92	F36		<6.01							<5.32	<1.26						1300.00	10.30	39.90
01U350		18-Aug-92	F36		<6.01							5.21	2.25						1100.00	21.80	55.00
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	42.50	218.00
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					
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				

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		Date	Qtr (2)	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		22-Oct-90	F29				269.90									
01U350		20-Nov-90	F29				107.77									
01U350		18-Dec-90	F29				62.62									
01U350		22-Jan-91	F30				199.39									
01U350		19-Feb-91	F30				94.61									
01U350		19-Mar-91	F30				130.00	<107.00	98000.00	<25.00	7990.00	7630.00	27900.00	<30.90	9740.00	<20.00
01U350		19-Mar-91	F30													
01U350		16-Apr-91	F31				127.00									
01U350		18-May-91	F31													
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				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													
01U350		19-Aug-91	F32				43.70									
01U350		17-Sep-91	F32				72.20			<25.00						
01U350		22-Oct-91	F33				17.30									
01U350	(4)	22-Oct-91	F33													
01U350		19-Nov-91	F33				28.50									
01U350		17-Dec-91	F33				172.00									
01U350		21-Jan-92	F34				98.70									
01U350	(4)	21-Jan-92	F34													
01U350		18-Feb-92	F34				83.40									
01U350	(4)	17-Mar-92	F34													
01U350		17-Mar-92	F34				58.00									
01U350		13-Apr-92	F35													
01U350		18-May-92	F35				50.90									
01U350		16-Jun-92	F35				28.50									
01U350	(4)	16-Jun-92	F35													
01U350		19-Jun-92	F35										8000.00			
01U350		20-Jun-92	F35						2480.00	<1.00						
01U350		21-Jul-92	F36													
01U350		18-Aug-92	F36													
01U350	(4)	18-Aug-92	F36				233.00									
01U350		15-Sep-92	F36				36.60									
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									
01U527		11-Apr-88	F18													
01U527		25-Aug-88	F19				<25.00									
01U601		07-Dec-87	F16				1010.00									

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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			
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			
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				
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			
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																
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		30.00	50.00
03F302	24-Oct-89	A24		<5.00	70.00		<8.00	<9.00	<4.00		<16.00	2.00				<0.20	<10.00		40.00	50.00
03F302	18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		40.00	60.00
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		40.00	280.00
03F303	24-Oct-89	A24		<5.00	57.00		<8.00	<9.00	<4.00		<16.00	2.00				<0.20	<10.00		40.00	60.00
03F303	18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	2.00				<0.20	<10.00		40.00	70.00
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		70.00	140.00
03F304	24-Oct-89	A24		<5.00	92.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		70.00	100.00
03F304	18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		80.00	100.00
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		60.00	160.00
03F305	23-Oct-89	A24		<5.00	100.00		<8.00	<9.00	<4.00		<16.00	16.00				<0.20	<10.00		70.00	80.00
03F305	18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		70.00	90.00
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		80.00	210.00
03F306	23-Oct-89	A24		<5.00	45.00		<8.00	<9.00	<4.00		<16.00	3.00				<0.20	<10.00		90.00	110.00
03F306	18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	5.00				<0.20	<10.00		90.00	100.00
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		20.00	100.00
03F307	23-Oct-89	A24		<5.00	81.00		<8.00	<9.00	<4.00		<16.00	5.00				<0.20	<10.00		30.00	<50.00
03F307	19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	4.00				<0.20	<10.00		30.00	<50.00
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		20.00	80.00
03F308	23-Oct-89	A24		<5.00	81.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		20.00	100.00
03F308	19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		30.00	<50.00
03F312	20-Apr-89	A22		<3.00	<200.00		<0.10	<1.00	<10.00		<50.00	7.00				<0.20	<10.00			

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	Date	Qtr (2)	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
01U604	07-Dec-87	F16				1440.00									
01U611	08-Dec-87	F16				50.10									
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									
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													
03F302	20-Apr-89	A22				<0.01									
03F302	19-Jul-89	A23				<10.00									
03F302	24-Oct-89	A24				29.00									
03F302	18-Jan-90	A25				<4.00									
03F303	20-Apr-89	A22				70.00									
03F303	19-Jul-89	A23				720.00									
03F303	24-Oct-89	A24				<20.00									
03F303	18-Jan-90	A25				<4.00									
03F304	20-Apr-89	A22				<0.01									
03F304	19-Jul-89	A23				50.00									
03F304	24-Oct-89	A24				20.00									
03F304	18-Jan-90	A25				<4.00									
03F305	20-Apr-89	A22				20.00									
03F305	19-Jul-89	A23				120.00									
03F305	23-Oct-89	A24				60.00									
03F305	18-Jan-90	A25				<4.00									
03F306	20-Apr-89	A22				<0.01									
03F306	19-Jul-89	A23				120.00									
03F306	23-Oct-89	A24				<4.00									
03F306	18-Jan-90	A25				<4.00									
03F307	20-Apr-89	A22				<0.01									
03F307	19-Jul-89	A23				30.00									
03F307	23-Oct-89	A24				11.00									
03F307	19-Jan-90	A25				<4.00									
03F308	20-Apr-89	A22				10.00									
03F308	19-Jul-89	A23				80.00									
03F308	23-Oct-89	A24				25.00									
03F308	19-Jan-90	A25				<4.00									
03F312	20-Apr-89	A22				<0.01									

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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	19-Jul-89	A23		<2.00	<200.00		<0.10	<1.00	<10.00		<50.00	<1.00				<0.20	<10.00		40.00	60.00
03F312	24-Oct-89	A24		<5.00	130.00		<8.00	<9.00	92.00		<16.00	110.00				<0.20	<10.00		40.00	60.00
03F312	18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		40.00	60.00
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				
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			

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	Date	Qtr (2)	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	19-Jul-89	A23				20.00									
03F312	24-Oct-89	A24				210.00									
03F312	18-Jan-90	A25				<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									
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									

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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			
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																	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															<8.17			
03L853	20-Jul-90	F27															<8.17	810.00	22.80	19.50
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								
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	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				
03M505	Well Abandoned																			
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				

BLE 3

TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	Date	Qtr (2)	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
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													
03L846	18-Jul-89	F23													
03L846	19-Oct-89	F24													
03L853	19-Apr-90	F26													
03L853	20-Jul-90	F27													
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													
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	09-Nov-87	F16				<29.40									
03M505	Well Abandoned														
03U001	16-Nov-87	F16				<29.40									

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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			
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				
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				
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			
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			

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	Date	Qtr (2)	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
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									
03U008	09-Nov-87	F16				<29.40									
03U009	20-Nov-87	F16				<29.40									
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									
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													

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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			
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								
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							
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	27.90	57.30
03U087	12-Mar-92	F34															<8.35	3600.00	<12.10	35.60
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							

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	Date	Qtr (2)	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
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													
03U032	22-Aug-88	F19				<25.00									
03U032	18-Jul-90	F27													
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													
03U087	12-Mar-92	F34													
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													

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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			
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			
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			
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			
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		75.30
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	33.70	110.00
03U112		28-Mar-91	F30															<8.17	9600.00	22.10	37.40
03U112		12-Mar-92	F34															<8.35	30000.00	<12.10	31.80
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			
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		67.20
03U121		17-Sep-90	F27		<6.01	36.30			3.22			<5.32	2.67					<8.17	320.00	<10.30	23.20
03U121		28-Mar-91	F30															<8.17	161.00	20.30	21.70
03U121		12-Mar-92	F34															<8.35	1800.00	<12.10	45.10
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			

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		Date	Qtr (2)	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
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									
03U093		04-Dec-87	F16				<29.40									
03U093		17-Aug-88	F19				<25.00									
03U094		04-Dec-87	F16	<3.60	<2.20		<29.40									
03U094		25-Aug-88	F19				<25.00									
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													
03U112		17-Sep-90	F27													
03U112		20-Sep-90	F27													
03U112		28-Mar-91	F30													
03U112		12-Mar-92	F34													
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									
03U121		18-Jul-90	F27													
03U121		17-Sep-90	F27													
03U121		28-Mar-91	F30													
03U121		12-Mar-92	F34													
03U124		08-Apr-88	F18	<0.70	2.20		<25.00									
03U124		18-Aug-88	F19				<25.00									

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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			
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		20.00	90.00
03U301		24-Oct-89	A24		<5.00	35.00		<8.00	<9.00	26.00		<16.00	2.00				<0.20	10.00		20.00	<50.00
03U301		18-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		30.00	<50.00
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		160.00	230.00
03U314		24-Oct-89	A24		11.00	230.00		<8.00	<9.00	<4.00		<16.00	1.00				<0.20	<10.00		140.00	260.00
03U314		19-Jan-90	A25		12.00	300.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		260.00	320.00
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		140.00	150.00
03U315		24-Oct-89	A24		<5.00	100.00		<8.00	<9.00	<4.00		<16.00	3.00				<0.20	<10.00		150.00	160.00
03U315		19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	4.00				<0.20	<10.00		170.00	210.00
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		20.00	70.00
03U316		24-Oct-89	A24		<5.00	90.00		<8.00	<9.00	<4.00		<16.00	4.00				<0.20	<10.00		20.00	<50.00
03U316		19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	2.00				<0.20	<10.00		40.00	50.00
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		30.00	50.00
03U317		25-Oct-89	A24		<5.00	110.00		<8.00	<9.00				2.00				<0.20	<10.00		30.00	80.00
03U317		19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	5.00				<0.20	20.00		40.00	60.00
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	27.70	59.40
03U521	(4)	19-Jul-90	F27															<8.17	1400.00	21.50	53.00
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				

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		Date	Qtr (2)	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
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									
03U301		24-Oct-89	A24				30.00									
03U301		18-Jan-90	A25				<4.00									
03U314		20-Apr-89	A22				80.00									
03U314		19-Jul-89	A23				80.00									
03U314		24-Oct-89	A24				15.00									
03U314		19-Jan-90	A25				<41.00									
03U315		20-Apr-89	A22				80.00									
03U315		19-Jul-89	A23				60.00									
03U315		24-Oct-89	A24				53.00									
03U315		19-Jan-90	A25				<4.00									
03U316		20-Apr-89	A22				1700.00									
03U316		19-Jul-89	A23				180.00									
03U316		24-Oct-89	A24				22.00									
03U316		19-Jan-90	A25				<4.00									
03U317		20-Apr-89	A22				110.00									
03U317		19-Jul-89	A23				400.00									
03U317		25-Oct-89	A24				<4.00									
03U317		19-Jan-90	A25				<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													
03U521	(4)	19-Jul-90	F27													
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													

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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			
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				
04U821		30-Nov-87	F16														<0.70				
04U821		19-Apr-90	F26															<8.17			
04U821	(4)	23-Jul-90	F27															<8.17	540.00	<10.30	20.00
04U821		23-Jul-90	F27															<8.17	550.00	<10.30	21.50
04U821		18-Sep-90	F27																		<9.36
04U821		20-Sep-90	F27															<8.17	420.00	10.50	31.40
04U832		24-Nov-87	F16														<0.70				
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

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well		Date	Qtr (2)	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
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													
04U821		30-Nov-87	F16													
04U821		19-Apr-90	F26													
04U821	(4)	23-Jul-90	F27													
04U821		23-Jul-90	F27													
04U821		18-Sep-90	F27													
04U821		20-Sep-90	F27													
04U832		24-Nov-87	F16													
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													

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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			
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
04U883	17-Jul-89	F23																	<12.10	29.40
04U883	18-Oct-89	F24																	<12.10	21.90
191942	30-Nov-87	F16														<0.70				
206688	23-Oct-89	F24																	<12.10	45.30
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																	<12.10	52.00
508115	18-Oct-89	F24																	<12.10	65.20
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				
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		20.00	90.00
PJ#309	23-Oct-89	A24		<5.00	140.00		<8.00	<9.00	7.00		<16.00	7.00				<0.20	<10.00		30.00	<50.00
PJ#309	18-Jan-90	A25		<5.00	200.00		<8.00	<9.00	<4.00		<16.00	16.00				<0.20	<10.00		30.00	50.00
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		20.00	70.00
PJ#310	11-Oct-89	A24		<5.00	140.00		<8.00	<9.00	<4.00		<16.00	1.00				<0.20	<10.00		<20.00	1100.00
PJ#310	19-Jan-90	A25		<5.00	300.00		<8.00	<9.00	39.00		<16.00	87.00				<0.20	<10.00		30.00	<50.00

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TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	Date	Qtr (2)	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
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													
04U883	17-Jul-89	F23													
04U883	18-Oct-89	F24													
191942	30-Nov-87	F16													
206688	23-Oct-89	F24													
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													
508115	18-Oct-89	F24													
PJ#003	19-Nov-87	F16				<29.40									
PJ#027	20-Nov-87	F16				<29.40									
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				340.00									
PJ#309	23-Oct-89	A24				53.00									
PJ#309	18-Jan-90	A25				<4.00									
PJ#310	20-Apr-89	A22				20.00									
PJ#310	19-Jul-89	A23				270.00									
PJ#310	11-Oct-89	A24				28.00									
PJ#310	19-Jan-90	A25				<1200.00									

TABLE 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	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)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (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#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		20.00	<50.00
PJ#311	24-Oct-89	A24		<5.00	120.00		<8.00	<9.00	<4.00		<16.00	2.00				<0.20	<10.00		20.00	<50.00
PJ#311	19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		30.00	160.00
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		<20.00	80.00
PJ#313	23-Oct-89	A24		<5.00	64.00		<8.00	<9.00	19.00		<16.00	2.00				<0.20	<10.00		20.00	50.00
PJ#313	19-Jan-90	A25		<5.00	<200.00		<8.00	<9.00	<4.00		<16.00	<1.00				<0.20	<10.00		30.00	<50.00
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	<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 3
TCAAP INORGANIC GROUNDWATER QUALITY DATA (1)

Well	Date	Qtr (2)	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#311	20-Apr-89	A22				180.00									
PJ#311	19-Jul-89	A23				50.00									
PJ#311	24-Oct-89	A24				37.00									
PJ#311	19-Jan-90	A25				<4.00									
PJ#313	20-Apr-89	A22				<0.01									
PJ#313	19-Jul-89	A23				60.00									
PJ#313	23-Oct-89	A24				36.00									
PJ#313	19-Jan-90	A25				<4.00									
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				<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 4

TCAAP Pesticide and PCB Data
Groundwater and Surface Water

Notes:

(1) The chemical names are:

• ABHC	Alpha-Benzenehexachlroide	• LIN	Lindane
• ACLDAN	--	• MEXCLR	Methoxychlor
• AENSLF	Alpha-Endosulfan	• PCB 016	PCB 1016
• ALDRN	Aldrin	• PCB 221	PCB 1221
• BBHC	Beta-Benzenehexachloride	• PCB 232	PCB 1232
• BENSLF	Beta-Endosulfan	• PCB 242	PCB 1242
• DBHC	Delta-Benzenhexachloride	• PCB 248	PCB 1248
• DLDRN	Dieldrin	• PCB 254	PCB 1254
• ENDRN	Endrin	• PCB 260	PCB 1260
• ENDRNA	Endrin Aldehyde	• TOT PCB	Total PCBs
• ENDRNK	Endrin Ketone	• PPDDD	2,2-Bis (P-Chlrophenyl)-1,1-Dichloroethene
• ESFS04	Endosulfan Sulfate	• PPDDE	2,2-Bis (P-Chlrophenyl)-1,1-Dichloroethane
• GCLDAN	--	• PPDDT	2,2-Bis (P-Chlrophenyl)-1,1,1-Trichloroethene
• HPCL	Heptachlor	• TXPHEN	Toxaphene
• HPCLE	Heptachlor Epoxide		

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

Table 4

TCAAP Pesticide and PCB Data
Groundwater and Surface Water

Notes:

(1) The chemical names are:

• ABHC	Alpha-Benzenehexachlroide	• LIN	Lindane
• ACLDAN	--	• MEXCLR	Methoxychlor
• AENSLF	Alpha-Endosulfan	• PCB 016	PCB 1016
• ALDRN	Aldrin	• PCB 221	PCB 1221
• BBHC	Beta-Benzenehexachloride	• PCB 232	PCB 1232
• BENSLF	Beta-Endosulfan	• PCB 242	PCB 1242
• DBHC	Delta-Benzenhexachloride	• PCB 248	PCB 1248
• DLDRN	Dieldrin	• PCB 254	PCB 1254
• ENDRN	Endrin	• PCB 260	PCB 1260
• ENDRNA	Endrin Aldehyde	• TOT PCB	Total PCBs
• ENDRNK	Endrin Ketone	• PPDDD	2,2-Bis (P-Chlrophenyl)-1,1-Dichloroethene
• ESFS04	Endosulfan Sulfate	• PPDDE	2,2-Bis (P-Chlrophenyl)-1,1-Dichloroethane
• GCLDAN	--	• PPDDT	2,2-Bis (P-Chlrophenyl)-1,1,1-Trichloroethene
• HPCL	Heptachlor	• TXPHEN	Toxaphene
• HPCLE	Heptachlor Epoxide		

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

TABLE 4
TCAAP PESTICIDE AND PCB DATA GROUNDWATER AND SURFACE WATER (1)

Location	Date	Qtr (2)	ABHC	ACLDAN	AENSLF	ALDRN	BBHC	BENSLF	DBHC	DLDRN	ENDRN	ENDRNA	ENDRNK	ESFSO4	GCLDAN	HPCL	HPCLE
Groundwater																	
01U636	17-Mar-92	A34	<0.02	<6.20	<0.01	<0.01	<0.02	<0.21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<1.80	<0.00	<0.01
01U640	17-Mar-92	A34	<0.02	<6.20	<0.01	<0.01	<0.02	<0.21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<1.80	<0.00	<0.01
Surface Water																	
20100	05-May-92	F35															
20200	05-May-92	F35															
20300	05-May-92	F35															
20400	05-May-92	F35															
20500	05-May-92	F35															
20700	05-May-92	F35															
20800	05-May-92	F35															
20900	05-May-92	F35															
21000	05-May-92	F35															
21100	05-May-92	F35															
21200	06-May-92	F35															
21300	06-May-92	F35															
21400	06-May-92	F35															
21600	06-May-92	F35															

TABLE 4
TCAAP PESTICIDE AND PCB DATA GROUNDWATER AND SURFACE WATER (1)

Location	Date	Qtr (2)	LIN	MEXCLR	PCB016	PCB221	PCB232	PCB242	PCB248	PCB254	PCB260	TOTPCB	PPDDD	PPDDE	PPDDT	TXPHEN
Groundwater																
01U636	17-Mar-92	A34	<0.01	<0.02	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10		<0.01	<0.01	<0.00	<0.50
01U640	17-Mar-92	A34	<0.01	<0.02	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10		<0.01	<0.01	<0.00	<0.50
Surface Water																
20100	05-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
20200	05-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
20300	05-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
20400	05-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
20500	05-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
20700	05-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
20800	05-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
20900	05-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
21000	05-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
21100	05-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
21200	06-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
21300	06-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
21400	06-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
21600	06-May-92	F35			<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				

Table 5

TCAAP Exceedance of Organic Groundwater Action Criteria

Notes:

(1) Only those concentrations which exceeded the groundwater action criteria during FY 92 are shown. Also shown are values reported as "less than the method detection limit" where the method detection limit was greater than the action criteria.

(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 revised Table 3.7A of the Federal Facilities Agreement.

(4) Duplicate sample collected for QA/QC purposes.

(5) Raw Laboratory Data.

TABLE 5

TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
01U033		24-Mar-92	F34	BGV 008	<2.41		<1.01				<4.10				<4.63		<1.08		
01U036		09-Mar-92	F34	BFQ 012	<2.41		<1.01				<4.10				<4.63		<1.08		
01U039		05-Mar-92	F34	BFF 008	<2.41		<1.01				<4.10				<4.63		<1.08		
01U039		05-Mar-92	F34	BFG 008															<3.09
01U060		11-Mar-92	F34	BFS 013	<2.41		<1.01				<4.10				<4.63		<1.08		
01U060		11-Mar-92	F34	BFT 011															<3.09
01U064		17-Mar-92	A34	GNO 007	<5.00	5.20	<5.00	220.00			<9.50		<5.00		<2.50	<6.50	<3.60		
01U064	(4)	17-Mar-92	A34	GNO 008	<5.00	6.40	<5.00	230.00			<9.50		<5.00		<2.50	<6.50	<3.60		
01U085		16-Mar-92	F34	BGH 007	<2.41		<1.01				<4.10				<4.63		<1.08		
01U098		11-Mar-92	F34	BFS 014	<2.41		<1.01				<4.10				<4.63		<1.08		
01U098		11-Mar-92	F34	BFT 012															<3.09
01U102		09-Mar-92	M34		150.00	41.00	<2.50		95.00		<5.00				<1.00		<0.50		<1.00
01U102		09-Mar-92	F34	BFI 012															<3.09
01U102		09-Mar-92	F34	BFQ 015	180.00	47.00	<5.10		98.00		<21.00		<7.60		<23.00	<6.00	<5.40	<20.00	
01U102		01-Jun-92	F35	BIW 005		45.30	<1.01				<4.10				<4.63		<1.08		
01U102		01-Jun-92	F35	BIX 005															<3.09
01U102		01-Jun-92	F35	BIY 012	140.00				130.00										
01U102		01-Sep-92	F36	BMG 005															4.57
01U102		20-Oct-92	F36	IBK 005	130.00	61.00	<10.00	490.00			<19.00		<10.00		<5.00	<13.00	<7.20	<10.00	
01U103		05-Mar-92	F34	BFF 012	<2.41		<1.01				<4.10				<4.63		<1.08		
01U103		05-Mar-92	F34	BFG 012															<3.09
01U104		06-Mar-92	F34	BFH 012	<2.41		<1.01				<4.10				<4.63		<1.08		
01U105		06-Mar-92	F34	BFH 013	<2.41		<1.01				<4.10				<4.63		<1.08		
01U106		05-Mar-92	F34	BFH 006	<2.41		<1.01				<4.10				<4.63		<1.08		
01U108		22-Oct-91	F33	GEX 005	130.00	97.00	<1.00				<1.90				<0.50		<0.72		
01U108		19-Nov-91	F33	GEZ 006	36.40	24.70	<1.00				<1.90				<0.50		<0.72		
01U108		17-Dec-91	F33	GNC 004	20.60	12.00	<1.00				<1.90				<0.50		<0.72		
01U108		21-Jan-92	F34	GNE 004	270.00	240.00	<5.00	71.00			<9.50		<5.00		<2.50	<6.50	<3.60		
01U108		18-Feb-92	F34	GNF 009	70.20	69.00	<1.00				<1.90				<0.50		<0.72		
01U108		05-Mar-92	F34	BFF 010	13.90	12.80	<1.01				<4.10				<4.63		<1.08		
01U108		05-Mar-92	F34	BFG 010															<3.09
01U108		17-Mar-92	F34	GNP 006	130.00	97.00	<5.00				<9.50		<5.00		<2.50	<6.50	<3.60		
01U108		13-Apr-92	F35	GNR 004	5.02	5.14	<1.00				<1.90				<0.50		<0.72		
01U108		18-May-92	F35	GNT 008	72.00	52.00	<5.00				<9.50		<5.00		<2.50	<6.50	<3.60		
01U108		01-Jun-92	F35	BIX 006															<3.09

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
01U108		16-Jun-92	F35	GNZ 006	5.94		<1.00				<1.90				<0.50		<0.72		
01U108		21-Jul-92	F36	IBB 005	66.00	49.00	<5.00				<9.50		<5.00		<2.50	<6.50	<3.60		
01U108		18-Aug-92	F36	IBD 006	120.00	71.00	<2.00				<3.80				<1.00		<1.40		
01U108		01-Sep-92	F36	BMG 008															<3.09
01U108	(4)	01-Sep-92	F36	BMG 009															<3.09
01U108		15-Sep-92	F36	IBI 005	29.10	11.90	<1.00				<1.90				<0.50		<0.72		
01U108		20-Oct-92	F36	IBK 006	22.80	23.60	<1.00				<1.90		<1.00		<0.50		<0.72		
01U115		09-Mar-92	M34				<0.50				<1.00								
01U115		09-Mar-92	F34	BFI 007															<3.09
01U115		09-Mar-92	F34	BFQ 008	<2.41	5.94	<1.01				<4.10				<4.63		<1.08		
01U115		01-Jun-92	F35	BIW 006	<2.41	5.12	<1.01				<4.10				<4.63		<1.08		
01U115		01-Jun-92	F35	BIX 008															<3.09
01U115		01-Sep-92	F36	BMF 005	<2.41	7.80	<1.01				<4.10				<4.63		<1.08		
01U115		01-Sep-92	F36	BMG 006															<3.09
01U116		06-Mar-92	F34	BFI 006															<3.09
01U116		06-Mar-92	F34	BFQ 006	<2.41		<1.01				<4.10				<4.63		<1.08		
01U117		09-Mar-92	M34		6.10	32.00	<1.00		120.00		<0.40						<0.20		
01U117		09-Mar-92	F34	BFI 009															<3.09
01U117		09-Mar-92	F34	BFQ 013	6.80	39.00	<5.10		130.00		<21.00		<7.60		<23.00	<6.00	<5.40	<20.00	
01U119		06-Mar-92	F34	BFQ 007	<2.41		<1.01				<4.10				<4.63		<1.08		
01U120		06-Mar-92	F34	BFI 005															<3.09
01U120		06-Mar-92	F34	BFQ 005	<2.41		<1.01				<4.10				<4.63		<1.08		
01U125	(4)	05-Mar-92	F34	BFF 013	<2.41		<1.01				<4.10				<4.63		<1.08		
01U125		05-Mar-92	F34	BFF 014	<2.41		<1.01				<4.10				<4.63		<1.08		
01U125	(4)	05-Mar-92	F34	BFG 013															<3.09
01U125		05-Mar-92	F34	BFG 014															<3.09
01U126		09-Mar-92	M34				<0.50				<1.00								
01U126		09-Mar-92	F34	BFI 013															<3.09
01U126		09-Mar-92	F34	BFQ 011	<2.41		<1.01				<4.10				<4.63		<1.08		
01U127		05-Mar-92	F34	BFF 015	<2.41		<1.01				<4.10				<4.63		<1.08		
01U127		05-Mar-92	F34	BFG 015															<3.09
01U135		05-Mar-92	F34	BFF 007	<2.41		<1.01				<4.10				<4.63		<1.08		
01U135		05-Mar-92	F34	BFG 007															<3.09
01U136		05-Mar-92	F34	BFF 006	<2.41		<1.01				<4.10				<4.63		<1.08		
01U136		05-Mar-92	F34	BFG 006															<3.09
01U137		06-Mar-92	F34	BFH 011	<2.41		<1.01				<4.10				<4.63		<1.08		

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
01U138		06-Mar-92	F34	BFH 008	<2.41		<1.01				<4.10				<4.63		<1.08		
01U139		06-Mar-92	F34	BFH 015	<12.00	<5.20	<5.10		130.00		<21.00		<7.60		<23.00	<6.00	<5.40	<20.00	
01U140		06-Mar-92	F34	BFH 014	<24.00	<10.00	<10.00		190.00		<41.00		<15.00		<46.00	<12.00	<11.00	<39.00	
01U141		06-Mar-92	F34	BFH 009	<2.41		<1.01				<4.10				<4.63		<1.08		
01U141	(4)	06-Mar-92	F34	BFH 010	<2.41		<1.01				<4.10				<4.63		<1.08		
01U350		22-Oct-91	F33	GEX 008	22.30	10.70	<1.00				<1.90				<0.50		0.83		
01U350		19-Nov-91	F33	GEZ 007	26.40	13.10	<1.00				<1.90				<0.50		0.97		
01U350		17-Dec-91	F33	GNC 005	33.00	17.00	<2.00				<3.80				<1.00		<1.40		
01U350		21-Jan-92	F34	GNE 008	37.70	17.70	<1.00				<1.90				<0.50		1.19		
01U350		18-Feb-92	F34	GNF 007	21.50	11.70	<1.00				<1.90				<0.50		1.00		
01U350		05-Mar-92	F34	BGG 003															<3.09
01U350		17-Mar-92	F34	GNP 008	31.40	14.00	<1.00				<1.90				<0.50		<0.72		
01U350		13-Apr-92	F35	GNR 009	41.80	18.20	<1.00				<1.90				<0.50		1.24		
01U350		18-May-92	F35	GNT 009	32.90	15.30	<1.00				<1.90				<0.50		1.38		
01U350		01-Jun-92	F35	BIX 007															<3.09
01U350		16-Jun-92	F35	GNZ 008	58.20	24.80	<1.00				<1.90				<0.50		1.48		
01U350		21-Jul-92	F36	IBB 008	45.00	18.90	<1.00				<1.90				<0.50		1.60		
01U350		18-Aug-92	F36	IBD 005	43.50	18.10	<1.00				<1.90				<0.50		1.64		
01U350		01-Sep-92	F36	BMG 010															<3.09
01U350		15-Sep-92	F36	IBI 009	38.00	16.10	<1.00				<1.90				<0.50		1.61		
01U350		20-Oct-92	F36	IBK 009	39.40	18.80	<1.00				<1.90		<1.00		<0.50		1.02		
01U526		17-Mar-92	F34	BGH 008	<2.41		<1.01				<4.10				<4.63		<1.08		
01U604		05-Mar-92	A34	GNI 014	<1.00		<1.00				<1.90				<0.50		<0.72		
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	
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	
01U617		03-Dec-91	A33	GNA 017	<1.00		<1.00				<1.90				<0.50		<0.72		
01U617	(4)	03-Mar-92	A34	GNG 011	<1.00		<1.00				<1.90				<0.50		<0.72		
01U617		03-Mar-92	A34	GNG 012	<1.00		<1.00				<1.90				<0.50		<0.72		
01U617	(4)	02-Jun-92	A35	GNU 005	<1.00		<1.00				<1.90				<0.50		<0.72		
01U617		02-Jun-92	A35	GNU 006	<1.00		<1.00				<1.90				<0.50		<0.72		
01U617		10-Sep-92	A36	(5)	<1.00		<1.00				<1.90		<1.00		<0.50		<0.72		
01U618		03-Mar-92	A34	GNG 010	<1.00	3.77	<1.00				<1.90				<0.50		<0.72		
01U619		03-Mar-92	A34	GNG 009	<1.00		<1.00				<1.90				<0.50		<0.72		

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
01U621		03-Dec-91	A33	GNA 006	<1.00		<1.00				<1.90				<0.50		<0.72		
01U621	(4)	03-Dec-91	A33	GNA 008	<1.00		<1.00				<1.90				<0.50		<0.72		
01U621		03-Mar-92	A34	GNG 005	<1.00		<1.00				<1.90				<0.50		<0.72		
01U621	(4)	03-Mar-92	A34	GNG 013	<1.00		<1.00				<1.90				<0.50		<0.72		
01U621		02-Jun-92	A35	GNU 004	<1.00		<1.00				<1.90				<0.50		<0.72		
01U621	(4)	02-Jun-92	A35	GNU 007	<1.00		<1.00				<1.90				<0.50		<0.72		
01U621		10-Sep-92	A36	(5)	<1.00		<1.00				<1.90		<1.00		<0.50		<0.72		
01U621		10-Sep-92	A36	(4)(5)	<1.00		<1.00				<1.90		<1.00		<0.50		<0.72		
01U636		17-Mar-92	A34	GNO 009	<1.00		<1.00				<1.90				<0.50		<0.72		
01U639		17-Mar-92	A34	GNO 010	<1.00		<1.00				<1.90				<0.50		<0.72		
01U640		17-Mar-92	M34			15.00	<0.50				<1.00								
01U640		17-Mar-92	A34	GNO 012	<1.00	14.60	<1.00				<1.90				<0.50		<0.72		
01U901		19-Nov-91	F33	GEZ 004	<1.00		<1.00				<1.90				<0.50		<0.72		
01U901		05-Mar-92	F34	BFF 011	<2.41		<1.01				<4.10				<4.63		<1.08		
01U901		05-Mar-92	F34	BFG 011															<3.09
01U901		16-Jun-92	F35	GNZ 004	<1.00		<1.00				<1.90				<0.50		<0.72		
01U901		02-Sep-92	F36	BMF 007	<2.41		<1.01				<4.10				<4.63		<1.08		
01U902		22-Oct-91	F33	GEX 009	<1.00		<1.00				<1.90				<0.50		<0.72		
01U902		19-Nov-91	F33	GEZ 005	<1.00		<1.00				<1.90				<0.50		<0.72		
01U902		17-Dec-91	F33	GNC 007	<1.00	2.83	<1.00				<1.90				<0.50		<0.72		
01U902		21-Jan-92	F34	GNE 005	<1.00		<1.00				<1.90				<0.50		<0.72		
01U902		18-Feb-92	F34	GNF 008	<1.00		<1.00				<1.90				<0.50		<0.72		
01U902		09-Mar-92	F34	BFI 010															<3.09
01U902		09-Mar-92	F34	BFQ 014	<4.80		<2.00				<8.20				<9.30		<2.20	<7.90	
01U902		17-Mar-92	F34	GNP 005	<1.00		<1.00				<1.90				<0.50		<0.72		
01U902		13-Apr-92	F35	GNR 008	<1.00		<1.00				<1.90				<0.50		<0.72		
01U902		18-May-92	F35	GNT 004	<1.00		<1.00				<1.90				<0.50		<0.72		
01U902		02-Jun-92	F35	BIX 011															<3.09
01U902	(4)	02-Jun-92	F35	BIX 012															<3.09
01U902		16-Jun-92	F35	GNZ 007	<2.00		<2.00	74.00			<3.80				<1.00		<1.40		
01U902		21-Jul-92	F36	IBB 007	<1.00		<1.00	70.00			<1.90				<0.50		<0.72		
01U902		18-Aug-92	F36	IBD 004	<2.00		<2.00	76.00			<3.80				<1.00		<1.40		
01U902		01-Sep-92	F36	BMG 012															<3.09
01U902		15-Sep-92	F36	IBI 010	<2.00		<2.00	76.00			<3.80				<1.00		<1.40		
01U902		20-Oct-92	F36	IBK 004	<2.00		<2.00	85.00			<3.80		<2.00		<1.00		<1.40		
03F302		04-Dec-91	A33	GNA 013	<25.00	1200.00	<25.00				<48.00	57.00	<25.00		<12.00	<32.00	<18.00	<25.00	
03F302		06-Mar-92	A34	GNJ 019	<50.00	1200.00	<50.00	76.00			<95.00	62.00	<50.00		<25.00	<65.00	<36.00	<50.00	
03F302		05-Jun-92	A35	GNX 010	<25.00	890.00	<25.00				<48.00	31.00	<25.00		<12.00	<32.00	<18.00	<25.00	
03F302		01-Sep-92	A36	(5)	<50.00	1000.00	<50.00				<95.00	90.00	<50.00		<25.00	<65.00	<36.00	<50.00	

TABLE 5

TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
03F303		04-Dec-91	A33	GNA 014	<5.00	360.00	<5.00				<9.50		<5.00		<2.50	<6.50	<3.60		
03F303		06-Mar-92	A34	GNJ 013	<10.00	400.00	<10.00				<19.00		<10.00		<5.00	<13.00	<7.20	<10.00	
03F303		05-Jun-92	A35	GNX 011	<10.00	390.00	<10.00				<19.00		<10.00		<5.00	<13.00	<7.20	<10.00	
03F303		01-Sep-92	A36	(5)	<20.00	400.00	<20.00				<38.00	32.00	<20.00		<10.00	<26.00	<14.40	<20.00	
03F304		04-Dec-91	A33	GNA 015	<1.00	7.28	<1.00				<1.90				<0.50		<0.72		
03F304		06-Mar-92	A34	GNJ 011	<1.00	7.30	1.09				<1.90				<0.50		<0.72		
03F304	(4)	05-Jun-92	A35	GNW 020	<1.00	8.28	2.41				<1.90	24.30			1.05		<0.72		
03F304		05-Jun-92	A35	GNY 004	<1.00	7.52	2.40				<1.90	22.30			<0.50		<0.72		
03F304		01-Sep-92	A36	(5)	<1.00	6.22	2.84				<1.90		1.74		<0.50		<0.72		
03F304		01-Sep-92	A36	(4)(5)	<1.00	6.83	2.90				<1.90	23.10	1.51		<0.50		<0.72		
03F305		04-Dec-91	A33	GNA 016	<50.00	2800.00	140.00				<95.00	1100.00	<50.00	170.00	<25.00	<65.00	<36.00	<50.00	
03F305		06-Mar-92	A34	GNJ 012	<100.00	2600.00	120.00				<190.00	950.00	<100.00	170.00	<50.00	<130.00	<72.00	<100.00	
03F305		05-Jun-92	A35	GNX 012	<100.00	2700.00	160.00				<190.00	910.00	<100.00	170.00	<50.00	<130.00	<72.00	<100.00	
03F305		01-Sep-92	A36	(5)	8.52	2800.00	200.00				<1.90	1300.00	4.38	210.00	6.00		2.83		
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	
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	
03F306		05-Jun-92	A35	GNX 014	<200.00	6400.00	<200.00	<100.00			<380.00	1300.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	
03F306		01-Sep-92	A36	(5)	17.20	7500.00	200.00				<1.90	1900.00	10.20	95.00	<0.50		3.28		
03F307		04-Dec-91	A33	GNB 015	<100.00	2700.00	<100.00				<190.00	400.00	<100.00	84.00	<50.00	<130.00	<72.00	<100.00	
03F307		06-Mar-92	A34	GNJ 004	<50.00	2500.00	<50.00				<95.00	310.00	<50.00	79.00	<25.00	<65.00	<36.00	<50.00	
03F307	(4)	06-Mar-92	A34	GNJ 007	<100.00	2700.00	<100.00				<190.00	360.00	<100.00	86.00	<50.00	<130.00	<72.00	<100.00	
03F307		05-Jun-92	A35	GNX 018	<50.00	2400.00	70.00				<95.00	290.00	<50.00	84.00	<25.00	<65.00	<36.00	<50.00	
03F307		01-Sep-92	A36	(5)	<50.00	2400.00	65.00				<95.00	410.00	<50.00	80.00	<25.00	<65.00	<36.00	<50.00	
03F308		04-Dec-91	A33	GNB 005	<1.00	10.70	<1.00				<1.90				<0.50		<0.72		
03F308		06-Mar-92	A34	GNJ 005	<1.00	11.00	<1.00				<1.90				<0.50		<0.72		
03F308		05-Jun-92	A35	GNX 019	<1.00	8.52	<1.00				<1.90				<0.50		<0.72		
03F308		01-Sep-92	A36	(5)	<1.00	8.57	<1.00				<1.90		<1.00		<0.50		<0.72		
03F312		04-Dec-91	A33	GNB 009	<1.00	18.10	<1.00				<1.90				<0.50		<0.72		
03F312		06-Mar-92	A34	GNJ 014	<1.00	17.60	<1.00				<1.90				<0.50		<0.72		
03F312		06-Mar-92	A34	GNJ 015	<1.00	16.80	<1.00				<1.90				<0.50		<0.72		
03F312		05-Jun-92	A35	GNW 019	<1.00	19.30	<1.00				<1.90				<0.50		<0.72		
03F312		01-Sep-92	A36	IBE 013	<1.00	20.60	<1.00				<1.90				<0.50		<0.72		
03L001		04-Mar-92	A34	GNH 012	<1.00		<1.00				<1.90				<0.50		<0.72		
03L001		03-Jun-92	A35	GNV 004	<1.00		<1.00				<1.90				<0.50		<0.72		
03L001	(4)	03-Jun-92	A35	GNV 005	<1.00		<1.00				<1.90				<0.50		<0.72		
03L001		03-Sep-92	A36	(5)	<1.00		<1.00				<1.90		<1.00		<0.50		<0.72		
03L002		09-Mar-92	A34	GNK 013	<25.00	940.00	<25.00				<48.00	140.00	<25.00		<12.00	<32.00	<18.00	<25.00	
03L005		17-Mar-92	F34	BGH 013	<2.41		<1.01				<4.10				<4.63		<1.08		

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
03L007		10-Mar-92	F34	BFR 007	<2.41		<1.01				<4.10				<4.63		<1.08		
03L010		10-Mar-92	F34	BFR 006	<2.41		<1.01				<4.10				<4.63		<1.08		
03L017		11-Mar-92	A34	GNL 015	<1.00		<1.00				<1.90				<0.50		<0.72		
03L018	(4)	11-Mar-92	A34	GNL 021	<1.00		<1.00				<1.90				<0.50		<0.72		
03L018		11-Mar-92	A34	GNM 004	<1.00		<1.00				<1.90				<0.50		<0.72		
03L021		11-Mar-92	A34	GNL 020	<1.00	160.00	3.44				<1.90				<0.50		<0.72		
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	
03L078		11-Mar-92	A34	GNM 009	<1.00		<1.00				<1.90				<0.50		<0.72		
03L079		13-Mar-92	A34	GNN 007	<1.00		<1.00				<1.90				<0.50		<0.72		
03L080		17-Mar-92	A34	GNO 020	<1.00		<1.00				<1.90				<0.50		<0.72		
03L081		11-Mar-92	F34	BFS 006	<2.41		<1.01				<4.10				<4.63		<1.08		
03L081	(4)	11-Mar-92	F34	BFS 007	<2.41	12.30	<1.01				<4.10				<4.63		1.50		
03L081		19-Mar-92	A34	ZNP 007	<1.00		<1.00				<1.90				<0.50		<0.72		
03L084		06-Mar-92	A34	GNJ 017	<1.00		<1.00				<1.90				<0.50		<0.72		
03L091		12-Mar-92	F34	BFU 008	<2.41		<1.01				<4.10				<4.63		<1.08		
03L091		12-Mar-92	F34	BFV 008															<3.09
03L113		13-Mar-92	F34	BGA 012	<2.41		<1.01				<4.10				<4.63		<1.08		
03L113		13-Mar-92	F34	BGB 011															<3.09
03L137		12-Mar-92	F34	BFU 006	<2.41		<1.01				<4.10				<4.63		<1.08		
03L137		12-Mar-92	F34	BFV 006															<3.09
03L138		12-Mar-92	F34	BFU 005	<2.41		<1.01				<4.10				<4.63		<1.08		
03L138		12-Mar-92	F34	BFV 005															<3.09
03L523		05-Aug-92			Well Abandoned														
03L673		12-Mar-92	A34	GNM 010	<1.00	3900.00	<200.00	130.00			<380.00	<200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	
03L802		12-Mar-92	A34	GNM 015	<2.00	36.00	<2.00				<3.80				<1.00		<1.40		
03L802		04-Jun-92	A35	GNW 012	<1.00	36.30	1.52				<1.90				<0.50		<0.72		
03L802		08-Sep-92	A36	IBH 005	<1.00	35.50	<1.00				<1.90				<0.50		<0.72		

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
03L806		04-Mar-92	A34	GNH 006	<100.00	3300.00	210.00	130.00			<190.00	730.00	<100.00	460.00	<50.00	<130.00	<72.00	<100.00	
03L806	(4)	04-Mar-92	A34	GNH 007	<25.00	4300.00	350.00	120.00			<48.00	1200.00	<25.00	550.00	13.00	<32.00	<18.00	<25.00	
03L806		05-Jun-92	A35	GNX 004	<100.00	3300.00	270.00	96.00			<190.00	600.00	<100.00	440.00	<50.00	<130.00	<72.00	<100.00	
03L806		03-Sep-92	A36	IBG 013	<5.00	1800.00	210.00				<9.50	440.00	<5.00	340.00	5.90	<6.50	<3.60		
03L809		19-Mar-92	F34	BGJ 011	<2.41	>50.10	>50.20				<4.10	>50.80		>49.90	10.80		6.63		
03L809		20-Mar-92	F34	BGK 017	<120.00	1800.00	180.00				<210.00	750.00	<76.00	310.00	<230.00	<60.00	<54.00	<200.00	
03L811		20-Mar-92	F34	BGJ 015	<2.41		<1.01				<4.10				<4.63		<1.08		
03L822		23-Mar-92	F34	BGV 005	<2.41		5.89				<4.10	40.70			<4.63		<1.08		
03L832		24-Mar-92	F34	BGV 016	<2.41		<1.01				<4.10				<4.63		<1.08		
03L841		19-Mar-92	F34	BGJ 007	<2.41		<1.01				<4.10				<4.63		<1.08		
03L846		25-Mar-92	F34	BGW 012	<2.41		<1.01				<4.10				<4.63		<1.08		
03L848		18-Mar-92	F34	BGH 017	<6.00	92.00	<2.50				<10.00		<3.80		<12.00		<2.70	<9.90	
03L853		20-Mar-92	F34	BGK 007	<2.41		13.30				<4.10				<4.63		<1.08		
03L853		20-Mar-92	F34	BGU 017		19.70													
03L854		23-Mar-92	F34	BGU 014	<2.41		<1.01				<4.10				<4.63		<1.08		
03L856	(4)	20-Mar-92	F34	BGK 005	<2.41		<1.01				<4.10				<4.63		<1.08		
03L856		20-Mar-92	F34	BGK 006	<2.41		<1.01				<4.10				<4.63		<1.08		
03L858	(4)	27-Mar-92	F34	BGY 006	<2.41		<1.01				<4.10				<4.63		<1.08		
03L858		27-Mar-92	F34	BGY 007	<2.41	8.66	<1.01				<4.10				<4.63	43.30	10.40		
03L859		20-Mar-92	F34	BGK 011	<2.41		<1.01				<4.10				<4.63		<1.08		
03L860		24-Mar-92	F34	BGV 013	<2.41		<1.01				<4.10				<4.63		<1.08		
03L861		23-Mar-92	F34	BGU 008	<2.41		<1.01				<4.10				<4.63		<1.08		
03L861		23-Mar-92	F34	BHA 005															<3.09
03M005		17-Mar-92	F34	BGH 012	<2.41		<1.01				<4.10				<4.63		<1.08		
03M010	(4)	10-Mar-92	F34	BFR 012	<2.41		<1.01				<4.10				<4.63		<1.08		
03M010		10-Mar-92	F34	BFR 013	<2.41		<1.01				<4.10				<4.63		<1.08		
03M017		11-Mar-92	A34	GNL 014	<10.00	360.00	39.00				<19.00	490.00	<10.00		<5.00	<13.00	<7.20		
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	

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
03M713		09-Mar-92	A34	GNK 016	<1.00		<1.00				<1.90				<0.50		<0.72		
03M802		12-Mar-92	A34	GNM 014	<50.00	700.00	<50.00				<95.00	<50.00	<50.00		<25.00	<65.00	<36.00	<25.00	
03M806		04-Mar-92	A34	GNH 004	<2.00	120.00	<2.00				<3.80				<1.00		<1.40		
03M843		20-Mar-92	F34	BGK 009	<2.41		<1.01				<4.10				<4.63		<1.08		
03M843		20-Mar-92	F34	BHC 005															<3.09
03M843		03-Jun-92	F35	BIY 007	<2.41		<1.01				<4.10				<4.63		<1.08		
03M843	(4)	03-Jun-92	F35	BIY 009	<2.41		<1.01				<4.10				<4.63		<1.08		
03M843		03-Jun-92	F35	BIZ 007															<3.09
03M843	(4)	03-Jun-92	F35	BIZ 009															<3.09
03M843		03-Sep-92	F36	BMH 007	<2.41		<1.01				<4.10				<4.63		<1.08		
03M843		03-Sep-92	F36	BMI 006															<3.09
03M848		18-Mar-92	F34	BGH 018	<48.00	640.00	<20.00		76.00		<82.00	<23.00	<30.00		<93.00	<24.00	<22.00	<79.00	
03M848		18-Mar-92	F34	BGI 005															<3.09
03M848		03-Jun-92	F35	BIY 005	<2.41	>50.10	5.82		>50.20		<4.10				<4.63		<1.08		
03M848		03-Jun-92	F35	BIZ 005															<3.09
03M848		03-Jun-92	F35	BJA 014		570.00													
03M848		03-Sep-92	F36	BMH 006	<2.41	>50.10	6.56		>50.20		<4.10				<4.63		<1.08		
03M848		03-Sep-92	F36	BMI 005															<3.09
03U003		10-Mar-92	A34	GNL 006	<25.00	990.00	<25.00				<48.00	80.00	<25.00		<12.00	<32.00	<18.00	<25.00	
03U003		03-Jun-92	A35	(5)	<5.00	670.00	6.40				<9.50	35.00	<5.00		<2.50	<6.50	<3.60		
03U003		02-Sep-92	A36	IBG 007	<10.00	430.00	<10.00				<19.00	39.00	<10.00		<5.00	<13.00	<7.20	<10.00	
03U004		19-Mar-92	A34	GNQ 005	<1.00		<1.00				<1.90				<0.50		<0.72		
03U005		17-Mar-92	F34	BGH 010	<2.41		<1.01				<4.10				<4.63		<1.08		
03U007		10-Mar-92	F34	BFR 015	<2.41		<1.01				<4.10				<4.63		<1.08		
03U009		10-Mar-92	F34	BFR 014	<2.41		<1.01				<4.10				<4.63		<1.08		
03U010		10-Mar-92	F34	BFR 010	<2.41		<1.01				<4.10				<4.63		<1.08		
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	
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	
03U015		16-Mar-92	F34	BGH 006	<2.41		<1.01				<4.10				<4.63		<1.08		
03U016		13-Mar-92	F34	BGA 011	<2.41		<1.01				<4.10				<4.63		<1.08		
03U016		13-Mar-92	F34	BGB 010															<3.09
03U017		11-Mar-92	A34	GNL 004	<5.00	120.00	<5.00				<9.50	77.00	<5.00		<2.50	<6.50	<3.60		

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
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	
03U019		11-Mar-92	F34	BFS 005	<2.41		<1.01				<4.10				<4.63		<1.08		
03U019		11-Mar-92	F34	BFT 005															<3.09
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	
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	
03U023		09-Mar-92	F34	BFI 011															<3.09
03U023		09-Mar-92	F34	BFQ 010	<2.41		<1.01				<4.10				<4.63		<1.08		
03U026		11-Mar-92	F34	BFS 015	<2.41		<1.01				<4.10				<4.63				
03U026		11-Mar-92	F34	BFT 013															<3.09
03U026		12-Mar-92	F34	BFU 017		18.50											14.80		
03U027		13-Mar-92	A34	GNN 013	<1.00	40.70	5.26				<1.90	38.20	10.30		<0.50		1.41		
03U028		20-Mar-92	A34	GNQ 010	<20.00	470.00	<20.00				<38.00	45.00	<20.00		<10.00	<26.00	<14.00	<20.00	
03U029		17-Mar-92	M34		<2.00	240.00	<5.00				<10.00	26.00			<2.00		<1.00		<2.00
03U029		17-Mar-92	A34	GNO 013	<10.00	250.00	<10.00				<19.00	45.00	<10.00		<5.00	<13.00	<7.20	<10.00	
03U030	(4)	20-Mar-92	A34	GNQ 008	<1.00	23.80	<1.00				<1.90				<0.50		<0.72		
03U030		20-Mar-92	A34	GNQ 009	<1.00	24.80	<1.00				<1.90				<0.50		<0.72		
03U031		19-Mar-92	A34	ZNP 005	<1.00	10.20	<1.00				<1.90				<0.50		<0.72		
03U032	(4)	13-Mar-92	F34	BGA 008	<2.41		<1.01				<4.10				<4.63		<1.08		
03U032		13-Mar-92	F34	BGA 010	<2.41		<1.01				<4.10				<4.63		<1.08		
03U032		13-Mar-92	F34	BGB 007															<3.09
03U032	(4)	13-Mar-92	F34	BGB 009															<3.09
03U032		02-Jun-92	F35	BIW 010	<2.41		<1.01				<4.10				<4.63		<1.08		
03U032		02-Jun-92	F35	BIX 015															<3.09
03U032		04-Sep-92	F36	BMH 012	<2.41		<1.01				<4.10				<4.63		<1.08		
03U032		04-Sep-92	F36	BMI 008															<3.09
03U075		19-Mar-92	A34	ZNP 010	<1.00		<1.00				<1.90				<0.50		<0.72		
03U077		05-Mar-92	A34	GNH 018	<50.00	1900.00	<50.00				<95.00	420.00	<50.00		<25.00	<65.00	<36.00	<50.00	
03U078		11-Mar-92	A34	GNM 005	22.00	210.00	<10.00				<19.00		<10.00		<5.00	<13.00	<7.20	<10.00	
03U079		13-Mar-92	A34	GNM 017	<100.00	1300.00	<100.00	73.00			<190.00	230.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	
03U082		10-Mar-92	F34	BFR 005	<2.41		<1.01				<4.10				<4.63		<1.08		

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
03U083		13-Mar-92	F34	BGA 015	<2.41		<1.01				<4.10				<4.63		<1.08		
03U083		13-Mar-92	F34	BGB 012															<3.09
03U084		06-Mar-92	A34	GNJ 016	<1.00		<1.00				<1.90				<0.50		<0.72		
03U087	(4)	12-Mar-92	F34	BFU 010	<2.41		<1.01				<4.10				<4.63		<1.08		
03U087		12-Mar-92	F34	BFU 011	<2.41		<1.01				<4.10				<4.63		<1.08		
03U088		13-Mar-92	F34	BGA 013	<2.41		<1.01				<4.10				<4.63		<1.08		
03U089		13-Mar-92	F34	BGA 014	<2.41		<1.01				<4.10				<4.63		<1.08		
03U090		11-Mar-92	F34	BFS 010	<2.41	12.30	<1.01				<4.10				<4.63		1.50		
03U090		11-Mar-92	F34	BFT 008															<3.09
03U090		12-Mar-92	F34	BFU 015								27.40							
03U092		17-Mar-92	F34	BGH 009	<2.41	25.80	1.31				<4.10				<4.63		24.70		
03U092		17-Mar-92	F34	BGI 003															<3.09
03U092		02-Jun-92	F35	BIW 008	<2.41	11.00	<1.01				<4.10				<4.63		13.90		
03U092		02-Jun-92	F35	BIX 013															<3.09
03U092		02-Sep-92	F36	BMF 008	<2.41	16.40	<1.01				<4.10				<4.63		25.10		
03U092		02-Sep-92	F36	BMG 013															<3.09
03U093		13-Mar-92	A34	GNN 012	<50.00	2000.00	<50.00				<95.00	480.00	<50.00		<25.00	<65.00	<36.00	<50.00	
03U093		05-Jun-92	A35	GNX 005	<100.00	2000.00	<100.00				<190.00	440.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	
03U093		09-Sep-92	A36	IBH 011	<25.00	670.00	<25.00				<48.00	200.00	<25.00		<12.00	<32.00	<18.00	<25.00	
03U094		20-Mar-92	A34	GNQ 006	<100.00	2600.00	<100.00				<190.00	1200.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	
03U096		13-Mar-92	A34	GNN 015	<5.00	120.00	12.00				<9.50	130.00	<5.00		<2.50	<6.50	<3.60		
03U097		13-Mar-92	M34				<0.50				<1.00								
03U097		13-Mar-92	F34	BGA 005	<2.41		<1.01				<4.10				<4.63		<1.08		
03U099		11-Mar-92	F34	BFS 011	<2.41		<1.01				<4.10				<4.63		<1.08		
03U099		11-Mar-92	F34	BFT 009															<3.09
03U112		12-Mar-92	F34	BFU 012	<2.41	37.60	<1.01				<4.10				<4.63		34.90		
03U112		12-Mar-92	F34	BFV 010															<3.09
03U113		12-Mar-92	F34	BFU 014	<2.41		<1.01				<4.10				<4.63		<1.08		
03U113		12-Mar-92	F34	BFV 012															<3.09

TABLE 5

TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
03U114		11-Mar-92	F34	BFS 008	<2.41	30.60	<1.01				<4.10				<4.63	3.49	1.56		
03U114		11-Mar-92	F34	BFT 006															<3.09
03U114		12-Mar-92	F34	BFU 016								38.60							
03U114		02-Jun-92	F35	BIW 009	<2.41	40.00	6.27				<4.10	>50.80			<4.63		13.90		
03U114		02-Jun-92	F35	BIX 014															<3.09
03U114		02-Jun-92	F35	BIY 011								93.00							
03U114		02-Sep-92	F36	BMF 010	<2.41	29.30	2.76				<4.10	>50.80			<4.63	3.16	1.57		
03U114	(4)	02-Sep-92	F36	BMF 011	<2.41	30.40	3.62					>50.80			<4.63	3.25	1.73		
03U114		02-Sep-92	F36	BMG 015															<3.09
03U114	(4)	02-Sep-92	F36	BMG 016															<3.09
03U121		12-Mar-92	F34	BFU 013	<2.41		<1.01				<4.10				<4.63		<1.08		
03U121		12-Mar-92	F34	BFV 011															<3.09
03U124		13-Mar-92	F34	BGA 006	<2.41		<1.01				<4.10				<4.63		<1.08		
03U124		13-Mar-92	F34	BGB 005															<3.09
03U124		03-Jun-92	F35	BIY 004	<2.41	3.47	<1.01				<4.10				<4.63		<1.08		
03U124		03-Jun-92	F35	BIZ 004															<3.09
03U124		02-Sep-92	F36	BMF 012	<2.41	4.03	<1.01				<4.10				<4.63	3.25	<1.08		
03U124		02-Sep-92	F36	BMG 017															<3.09
03U301		04-Dec-91	A33	GNA 009	<20.00	1200.00	<20.00	85.00			<38.00	76.00	<20.00		<10.00	<26.00	<14.00	<20.00	
03U301		06-Mar-92	A34	GNK 008	<50.00	1200.00	<50.00	71.00			<95.00	72.00	<50.00		<25.00	<65.00	<36.00	<50.00	
03U301		06-Mar-92	A34	GNK 009													<36.00		
03U301		05-Jun-92	A35	GNX 009	<50.00	1200.00	<50.00	71.00			<95.00	<50.00	<50.00		<25.00	<65.00	<36.00	<50.00	
03U301		01-Sep-92	A36	IBE 012	<100.00	1400.00	<100.00				<190.00	190.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	
03U314		04-Dec-91	A33	GNA 010	<100.00	7100.00	130.00	170.00			<190.00	2300.00	<100.00	180.00	<50.00	<130.00	<72.00	<100.00	
03U314	(4)	04-Dec-91	A33	GNA 011	<100.00	7300.00	140.00	200.00			<190.00	2600.00	<100.00	200.00	<50.00	<130.00	<72.00	<100.00	
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	
03U314		05-Jun-92	A35	GNX 008	<200.00	4300.00	<200.00	<100.00			<380.00	1400.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	
03U314		01-Sep-92	A36	IBE 011	<200.00	4900.00	<200.00		<100.00		<380.00	2000.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	
03U315		04-Dec-91	A33	GNA 012	<10.00	440.00	15.00				<19.00	220.00	<10.00		<5.00	<13.00	<7.20	<10.00	
03U315		06-Mar-92	A34	GNK 019	<10.00	330.00	<10.00				<19.00	130.00	<10.00		<5.00	<13.00	<7.20	<10.00	
03U315		05-Jun-92	A35	GNX 007	<10.00	310.00	13.00				<19.00	110.00	<10.00		<5.00	<13.00	<7.20	<10.00	
03U315		01-Sep-92	A36	IBE 009	<10.00	250.00	11.00				<19.00	120.00	<10.00		<5.00	<13.00	<7.20	<10.00	
03U315	(4)	01-Sep-92	A36	IBE 010	<10.00	210.00	<10.00				<19.00	110.00	<10.00		<5.00	<13.00	<7.20	<10.00	
03U316		04-Dec-91	A33	GNA 018	<1.00	16.70	2.13				<1.90	22.10			<0.50		3.27		
03U316		06-Mar-92	A34	GNK 006	<1.00	17.60	2.17				<1.90				<0.50		2.97		
03U316		05-Jun-92	A35	GNW 017	<1.00	17.70	2.76				<1.90				<0.50		3.53		
03U316	(4)	05-Jun-92	A35	GNW 018	<1.00	18.10	2.85				<1.90				<0.50		3.61		
03U316		01-Sep-92	A36	IBE 008	<1.00	20.80	3.97				<1.90	22.90			<0.50		4.47		

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
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	
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	
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	
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	
03U658		17-Mar-92	A34	GNO 019	<1.00		<1.00				<1.90				<0.50		<0.72		
03U659		20-Mar-92	A34	GNQ 012	<50.00	750.00	<50.00	130.00			<95.00	<50.00	<50.00		<25.00	<65.00	<36.00	<50.00	
03U671		10-Mar-92	A34	GNL 009	<10.00	310.00	45.00				<19.00	42.00	<10.00		<5.00	<13.00	<7.20	<10.00	
03U671	(4)	10-Mar-92	A34	GNL 010	<10.00	280.00	39.00				<19.00	380.00	<10.00		<5.00	<13.00	<7.20	<10.00	
03U672		16-Mar-92	A34	GNN 017	<1.00	4.11	<1.00				<1.90				<0.50		<0.72		
03U672		03-Jun-92	A35	GNV 012	<1.00	4.38	<1.00				<1.90				<0.50		<0.72		
03U672		08-Sep-92	A36	IBH 006	<1.00		<1.00				<1.90				<0.50		<0.72		
03U672	(4)	08-Sep-92	A36	IBH 007	<1.00		<1.00				<1.90				<0.50		<0.72		
03U673		12-Mar-92	A34	GNM 018	<1.00		<1.00				<1.90				<0.50		<0.72		
03U673		04-Jun-92	A35	GNW 004	<1.00		<1.00				<1.90				<0.50		<0.72		
03U673		08-Sep-92	A36	IBH 004	<1.00		<1.00				<1.90				<0.50		<0.72		
03U701		05-Mar-92	A34	GNH 015	<1.00	51.20	2.40				<1.90				<0.50		<0.72		
03U702		19-Mar-92	A34	ZNP 008	<1.00	14.50	<1.00				<1.90				<0.50		<0.72		
03U703		19-Mar-92	A34	ZNP 004	<20.00	520.00	<20.00				<38.00	25.00	<20.00		<10.00	<26.00	<14.00	<20.00	
03U704		19-Mar-92	A34	ZNP 006	<1.00		<1.00				<1.90				<0.50		<0.72		
03U705		19-Mar-92	A34	ZNP 009	<1.00		<1.00				<1.90				<0.50		<0.72		
03U705		08-Jun-92	A35	ZNZ 004	<1.00		<1.00				<1.90				<0.50		<0.72		
03U705		29-Sep-92	A36	(5)	<1.00		<1.00				<1.90		<1.00		<0.50		<0.72		
03U706		20-Mar-92	A34	GNQ 007	<1.00		<1.00				<1.90				<0.50		<0.72		
03U707		20-Mar-92	A34	ZNP 012	<1.00		<1.00				<1.90				<0.50		<0.72		
03U708		05-Mar-92	A34	GNI 010	15.00	110.00	<5.00				<9.50	22.00	<5.00		<2.50	<6.50	<3.60		
03U709	(4)	13-Mar-92	A34	GNN 009	<50.00	2400.00	160.00				<95.00	1300.00	<50.00	130.00	<25.00	<65.00	<3.60	<50.00	
03U709		13-Mar-92	A34	GNN 010	<50.00	2300.00	160.00				<95.00	1200.00	<50.00	130.00	<25.00	<65.00	<3.60	<50.00	
03U710		13-Mar-92	A34	GNN 008	<20.00	730.00	<20.00				<38.00	150.00	<20.00		<10.00	<26.00	<14.00	<20.00	
03U711		05-Mar-92	A34	GNH 014	<1.00		<1.00				<1.90				<0.50		<0.72		
03U711		04-Jun-92	A35	GNW 010	14.00	54.00	9.20				<9.50	110.00	<5.00		<2.50	<6.50	<3.60		
03U711		03-Sep-92	A36	IBG 014	13.00	97.00	19.00				<9.50	190.00	<5.00		<2.50	<6.50	<3.60		

TABLE 5

TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
03U801		16-Mar-92	A34	GNN 018	<1.00		<1.00				<1.90				<0.50		<0.72		
03U804	(4)	16-Mar-92	A34	GNN 019	<1.00		<1.00				<1.90				<0.50		<0.72		
03U804		16-Mar-92	A34	GNO 023	<1.00		<1.00				<1.90				<0.50		<0.72		
03U805		16-Mar-92	A34	GNO 016	<1.00		<1.00				<1.90				<0.50		<0.72		
03U806		16-Mar-92	A34	GNO 005	<100.00	2900.00	<100.00				<190.00	220.00	<100.00	210.00	<50.00	<130.00	<72.00	<100.00	
03U806		05-Jun-92	A35	GNW 016	<100.00	3100.00	<100.00				<190.00	110.00	<100.00	160.00	<50.00	<130.00	<72.00	<100.00	
03U806		03-Sep-92	A36	IBG 010	<100.00	2600.00	<100.00				<190.00	130.00	<100.00	180.00	<50.00	<130.00	<72.00	<100.00	
03U806	(4)	03-Sep-92	A36	IBG 011	<100.00	2800.00	<100.00				<190.00	290.00	<100.00	190.00	<50.00	<130.00	<72.00	<100.00	
03U811		19-Mar-92	F34	BGJ 014	<2.41		<1.01				<4.10				<4.63		<1.08		
03U821		20-Mar-92	F34	BGK 013	<2.41		5.66				<4.10	36.80			<4.63		<1.08		
03U821		20-Mar-92	F34	BGU 016		210.00													
03U822		23-Mar-92	F34	BGV 004	<2.41		13.30				<4.10	26.20			<4.63		<1.08		
03U822		23-Mar-92	F34	BHL 003															<3.09
03U831	(4)	23-Mar-92	F34	BGU 012	<2.41	7.97	<1.01				<4.10				<4.63		<1.08		
03U831		23-Mar-92	F34	BGU 013	<2.41		<1.01				<4.10				<4.63		<1.08		
03U832	(4)	24-Mar-92	F34	BGV 014	<2.41		<1.01				<4.10				<4.63		<1.08		
03U832		24-Mar-92	F34	BGV 015	<2.41		<1.01				<4.10				<4.63		<1.08		
04J077		05-Mar-92	A34	GNI 007	<50.00	1100.00	59.00				<95.00	290.00	<50.00	84.00	<25.00	<65.00	<36.00	<50.00	
04J702		09-Mar-92	A34	GNK 004	<5.00	190.00	<5.00				<9.50	35.00	<5.00		<2.50	<6.50	<3.60		
04J708		05-Mar-92	A34	GNI 012	<1.00	10.60	<1.00				<1.90				<0.50		<0.72		
04J713		09-Mar-92	A34	GNK 018	<1.00	24.80	<1.00				<1.90				<0.50		<0.72		
04J714		04-Mar-92	A34	GNH 010	<1.00	6.72	<1.00				<1.90				<0.50		<0.72		
04J714		03-Jun-92	A35	GNV 007	<1.00	5.03	<1.00				<1.90				<0.50		<0.72		
04J714	(4)	03-Jun-92	A35	GNV 013	<5.00	710.00	7.00				<9.50	36.00	<5.00		<2.50	<6.50	<3.60		
04J714		03-Sep-92	A36	(5)	<1.00	6.50	<1.00				<1.90		<1.00		<0.50		<0.72		
04U001		04-Mar-92	A34	GNH 011	<1.00	9.08	<1.00				<1.90				<0.50		<0.72		
04U001		03-Jun-92	A35	GNV 006	<1.00	3.71	<1.00				<1.90				<0.50		<0.72		
04U001		02-Sep-92	A36	IBG 004	<1.00	21.90	<1.00				<1.90				<0.50		<0.72		
04U002		09-Mar-92	A34	GNK 014	<2.00	47.00	<2.00				<3.80				<1.00		<1.40		

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
04U003		10-Mar-92	A34	GNL 007	<1.00		<1.00				<1.90				<0.50		<0.72		
04U003		03-Jun-92	A35	GNV 011	<1.00		<1.00				<1.90				<0.50		<0.72		
04U003		02-Sep-92	A36	IBG 009	<1.00		<1.00				<1.90				<0.50		<0.72		
04U007		10-Mar-92	F34	BFR 008	<2.41		<1.01				<4.10				<4.63		<1.08		
04U020		10-Mar-92	A34	GNL 012	<2.00	43.00	<2.00				<3.80				<1.00		<1.40		
04U027		13-Mar-92	A34	GNN 014	<1.00		<1.00				<1.90				<0.50		<0.72		
04U077		05-Mar-92	A34	GNI 004	<50.00	970.00	<50.00				<95.00	210.00	<50.00		<25.00	<65.00	<36.00	<50.00	
04U510		25-Mar-92	F34	BGW 017	<2.41		<1.01				<4.10				<4.63		<1.08		
04U673		12-Mar-92	A34	GNM 012	<25.00	460.00	<25.00				<48.00	<25.00	<25.00		<12.00	<32.00	<18.00	<25.00	
04U673		04-Jun-92	A35	GNW 007	<1.00	430.00	1.12				<1.90				<0.50		<0.72		
04U673		08-Sep-92	A36	IBH 012	<20.00	540.00	<20.00				<38.00	23.00	<20.00		<10.00	<26.00	<14.00	<20.00	
04U701	(4)	05-Mar-92	A34	GNH 016	<2.00	97.00	3.70				<3.80	27.00			<1.00		<1.40		
04U701		05-Mar-92	A34	GNH 017	<2.00	86.00	<2.00				<3.80				<1.00		<1.40		
04U702		09-Mar-92	A34	GNK 015	<2.00	69.00	<2.00				<3.80				<1.00		<1.40		
04U708		05-Mar-92	A34	GNI 011	<1.00	28.60	<1.00				<1.90				<0.50		<0.72		
04U709		13-Mar-92	A34	GNN 011	<10.00	480.00	<10.00				<19.00	72.00	<10.00		<5.00	<13.00	<7.20	<10.00	
04U711		05-Mar-92	A34	GNH 021	8.87	32.20	2.05				<1.90	34.10			<0.50		3.20		
04U711		04-Jun-92	A35	GNW 008	<1.00		<1.00				<1.90				<0.50		<0.72		
04U711	(4)	04-Jun-92	A35	GNW 009	<1.00		<1.00				<1.90				<0.50		<0.72		
04U711		03-Sep-92	A36	IBG 016	<1.00		<1.00				<1.90				<0.50		<0.72		
04U713		09-Mar-92	A34	GNK 017	<1.00	3.19	<1.00				<1.90				<0.50		<0.72		
04U714		04-Mar-92	A34	GNI 005	<1.00	21.40	<1.00				<1.90				<0.50		<0.72		
04U714		03-Jun-92	A35	GNV 010	<1.00		<1.00				<1.90				<0.50		<0.72		
04U714		02-Sep-92	A36	IBG 005	<1.00	14.30	<1.00				<1.90				<0.50		<0.72		
04U802		12-Mar-92	A34	GNM 016	<1.00		<1.00				<1.90				<0.50		<0.72		
04U806		04-Mar-92	A34	GNH 005	<100.00	5400.00	260.00	74.00			<190.00	1400.00	<100.00	350.00	<50.00	<130.00	<72.00	<100.00	
04U806		05-Jun-92	A35	GNW 014	<25.00	620.00	49.00				<48.00	150.00	<25.00		<12.00	<32.00	<18.00	<25.00	
04U806		03-Sep-92	A36	IBG 012	<50.00	6900.00	380.00		82.00		<95.00	1400.00	<50.00	420.00	<25.00	<65.00	<36.00	<50.00	

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
04U821		20-Mar-92	F34	BGK 014	<2.41		5.71				<4.10	61.30			<4.63		<1.08		
04U821		20-Mar-92	F34	BGU 018		340.00													
04U821		03-Jun-92	F35	BIY 010	<2.41	>50.10	9.33				<4.10	54.20			<4.63		<1.08		
04U821		03-Jun-92	F35	BJA 013		330.00													
04U821	(4)	03-Sep-92	F36	BMH 010	<2.41	>50.10	8.82				<4.10	43.80			<4.63		<1.08		
04U821		03-Sep-92	F36	BMH 011	<2.41	>50.10	7.61				<4.10	41.00			<4.63		<1.08		
04U832		25-Mar-92	F34	BGW 009	<2.41	52.50	<1.01				<4.10				<4.63		<1.08		
04U841	(4)	19-Mar-92	F34	BGJ 008	<2.41	8.47	<1.01				<4.10				<4.63		<1.08		
04U841		19-Mar-92	F34	BGJ 010	<2.41	8.02	<1.01				<4.10				<4.63		<1.08		
04U843		20-Mar-92	F34	BGK 010	<2.41	9.50	<1.01				<4.10				<4.63		<1.08		
04U844		23-Mar-92	F34	BGV 006	<2.41	>50.10	37.30				<4.10	>50.80			<4.63		<1.08		
04U844		23-Mar-92	F34	BGW 008		860.00						130.00							
04U845		23-Mar-92	F34	BGV 007	<2.41	>50.10	<1.01				<4.10				<4.63		<1.08		
04U845		23-Mar-92	F34	BGW 006		100.00													
04U846		25-Mar-92	F34	BGW 013	<2.41	57.40	<1.01				<4.10				<4.63		<1.08		
04U846	(4)	25-Mar-92	F34	BGW 014	<2.41	>50.10	1.41				<4.10				<4.63		<1.08		
04U846	(4)	26-Mar-92	F34	BGX 016	<4.80	44.00	<2.00				<8.20				<9.30		<2.20	<7.90	
04U847		19-Mar-92	F34	BGJ 012	<2.41	>50.10	>50.20				<4.10	>50.80		>49.90	12.70		5.92		
04U847		20-Mar-92	F34	BGK 018	<120.00	2100.00	150.00				<210.00	810.00	<76.00	180.00	<230.00	<60.00	<54.00	<200.00	
04U847		04-Jun-92	F35	BJA 010	<2.41	>50.10	>50.20				<4.10	>50.80		>49.90	11.80		5.30		
04U847	(4)	04-Jun-92	F35	BJA 011	<2.41	>50.10	>50.20				<4.10	>50.80		>49.90	12.80		5.61		
04U847		04-Jun-92	F35	BJI 008		1800.00	160.00					750.00		1300.00					
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				<4.10	>50.80		>49.90	8.57		3.08		
04U848		18-Mar-92	F34	BGH 015	<2.41	22.50	<1.01				<4.10				<4.63		<1.08		
04U848	(4)	18-Mar-92	F34	BGH 016	<2.41	23.40	<1.01				<4.10				<4.63		<1.08		
04U849		25-Mar-92	F34	BGW 018	<2.41	>50.10	4.09				<4.10	37.70			<4.63		<1.08		
04U849		26-Mar-92	F34	BGX 017	<12.00	120.00	<5.10				<21.00	24.00	<7.60		<23.00	<6.00	<5.40	<20.00	
04U850		26-Mar-92	F34	BGX 008	<2.41	>50.10	14.00				<4.10	>50.80			<4.63		<1.08		
04U850		27-Mar-92	F34	BGY 019		490.00	<20.00				<82.00	67.00							
04U851		27-Mar-92	F34	BGY 011	<2.41		<1.01				<4.10				<4.63		<1.08		
04U852		27-Mar-92	F34	BGY 012	<2.41		<1.01				<4.10				<4.63		<1.08		
04U854		13-Mar-92	M34			83.00	<1.00				<0.40						<0.20		

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
04U855		25-Mar-92	F34	BGW 019	<2.41		<1.01				<4.10				<4.63		<1.08		
04U859		20-Mar-92	F34	BGK 012	<2.41	9.29	<1.01				<4.10				<4.63		<1.08		
04U860	(4)	24-Mar-92	F34	BGV 011	<2.41		<1.01				<4.10				<4.63		<1.08		
04U860		24-Mar-92	F34	BGV 012	<2.41		<1.01				<4.10				<4.63		<1.08		
04U861		23-Mar-92	F34	BGU 010	<2.41	7.97	<1.01				<4.10				<4.63		<1.08		
04U871		27-Mar-92	F34	BGY 005	<2.41		<1.01				<4.10	23.80			<4.63		<1.08		
04U871		27-Mar-92	F34	BGZ 013		150.00													
04U871		27-Mar-92	F34	BHB 004															<3.09
04U872		27-Mar-92	F34	BGY 015	<2.41	10.70	<1.01				<4.10				<4.63		<1.08		
04U872		27-Mar-92	F34	BHB 008															<3.09
04U875		27-Mar-92	F34	BGY 013	<2.41	6.59	<1.01				<4.10				<4.63		<1.08		
04U875	(4)	27-Mar-92	F34	BHB 006															<3.09
04U875		27-Mar-92	F34	BHB 007															<3.09
04U877		26-Mar-92	F34	BGX 015	<2.41	51.80	<1.01				<4.10				<4.63		<1.08		
04U879		26-Mar-92	F34	BGX 013	<2.41		<1.01				<4.10				<4.63		<1.08		
04U879		26-Mar-92	F34	BHF 006															<3.09
04U880		26-Mar-92	F34	BGX 007	<2.41		<1.01				<4.10				<4.63		<1.08		
04U881	(4)	28-Mar-92	F34	BGZ 007	<2.41		<1.01				<4.10				<4.63		<1.08		
04U881		28-Mar-92	F34	BGZ 009	<2.41		<1.01				<4.10				<4.63		<1.08		
04U881	(4)	28-Mar-92	F34	BGZ 010	<2.41		<1.01				<4.10				<4.63		<1.08		
04U881		28-Mar-92	F34	BHD 007															<3.09
04U881	(4)	28-Mar-92	F34	BHD 009															<3.09
04U881	(4)	28-Mar-92	F34	BHD 010															<3.09
04U882		27-Mar-92	F34	BGZ 004	<2.41	3.84	<1.01				<4.10				<4.63		<1.08		
04U882		27-Mar-92	F34	BHD 004															<3.09
04U883		27-Mar-92	F34	BGZ 005	<2.41		<1.01				<4.10				<4.63		<1.08		
04U883		27-Mar-92	F34	BHD 005															<3.09
200076		05-Mar-92	M34				<0.50				<1.00								
200524		05-Mar-92	M34			20.00	0.60				<1.00								
200803		05-Mar-92	M34			26.00	0.90				<1.00								

TABLE 5

TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
200812		28-May-92	M35			120.00	<0.50				<1.00				0.50		0.40		
200812		04-Jun-92	F35	BJA 006	<2.41	>50.10	5.15				<4.10				<4.63		<1.08		
200812		04-Jun-92	F35	BJB 004															<3.09
200812		04-Jun-92	F35	BJI 004		140.00													
200812		04-Sep-92	F36	BMH 013	<2.41	>50.10	4.11				<4.10				<4.63		<1.08		
200812		04-Sep-92	F36	BMI 009															<3.09
206787		04-Jun-92	F35	BJA 007	<2.41		<1.01				<4.10				<4.63		<1.08		
206787		04-Jun-92	F35	BJB 005															<3.09
206793		04-Jun-92	F35	BJA 004	<2.41	>50.10	25.70				<4.10	>50.80			<4.63		<1.08		
206793		04-Jun-92	F35	BJI 007		540.00						70.00							
206797		26-Mar-92	F34	BGX 005	<2.41	>50.10	5.61				<4.10	25.10			<4.63		<1.08		
206797		27-Mar-92	F34	BGY 016		120.00													
233222		18-May-92	M35			5.90	<0.50				<2.00								
233222		30-Jun-92	M35			5.10	<0.50				<1.00								
233222		09-Jul-92	M36			4.40	<0.50				<1.00								
233222		06-Aug-92	F36	BKN 003	4.87	29.80	<1.01		>50.20		<4.10		4.12		<4.63		<1.08		
234352		23-Sep-92	F36	IBI 007	<1.00		<1.00				<1.90				<0.50		<0.72		
234352	(4)	23-Sep-92	F36	IBI 008	<1.00		<1.00				<1.90				<0.50		<0.72		
234352		23-Sep-92	M36				<0.50				<1.00								
234356		20-Aug-92	M36				<0.50				<1.00								
234425		12-Mar-92	M34		PP	470.00	15.00				<10.00	90.00			<2.00		<1.00		<2.00
234430		13-May-92	M35				<0.50				<1.00								
234546		04-Jun-92	F35	BJA 005	<2.41	>50.10	1.95				<4.10				<4.63		<1.08		
234546		04-Jun-92	F35	BJI 003		54.00													
234547		26-Mar-92	F34	BGX 006	<2.41	8.50	<1.01				<4.10				<4.63		<1.08		
405651		27-Mar-92	F34	BGY 014	<2.41	5.24	<1.01				<4.10				<4.63		<1.08		
409546		25-Mar-92	F34	BGW 015	<2.41	>50.10	<1.01				<4.10				<4.63		<1.08		
409546		25-Mar-92	F34	BHE 005															<3.09
409547		23-Mar-92	F34	BGU 015	<2.41	4.45	<1.01				<4.10				<4.63		<1.08		
409548		25-Mar-92	F34	BGW 016	<2.41	>50.10	<1.01				<4.10				<4.63		<1.08		
409548		25-Mar-92	F34	BHE 006															<3.09

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
409549	(4)	26-Mar-92	F34	BGX 010	<2.41	>50.10	6.21				<4.10	43.90			<4.63		<1.08		
409549		26-Mar-92	F34	BGX 011	<2.41	>50.10	5.34				<4.10	42.40			<4.63		<1.08		
409549		27-Mar-92	F34	BGY 017		180.00	<10.00				<41.00								
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				<4.10	42.70			<4.63		<1.08		
409549		04-Jun-92	F35	BJI 005		180.00													
409549	(4)	04-Sep-92	F36	BMH 014	<2.41	>50.10	4.65				<4.10	27.20			<4.63		<1.08		
409550		19-Mar-92	F34	BGJ 016	<2.41	>50.10	1.62				<4.10				<4.63		<1.08		
409550		20-Mar-92	F34	BGK 016	<120.00	2400.00	<51.00				<210.00	530.00	<76.00		<230.00	<60.00	<54.00	<200.00	
409556		26-Mar-92	F34	BGX 014	<2.41		<1.01				<4.10				<4.63		<1.08		
409557		20-Mar-92	F34	BGK 015	<2.41	9.29	<1.01				<4.10				<4.63		<1.08		
409596		23-Mar-92	F34	BGU 005	<2.41	10.20	2.62				<4.10				<4.63		<1.08		
409597		23-Mar-92	F34	BGU 006	<2.41		7.49				<4.10	28.20			<4.63		<1.08		
409597		23-Mar-92	F34	BGW 005		1200.00													
409598		23-Mar-92	F34	BGU 007	<2.41	>50.10	48.30				<4.10	>50.80			<4.63		<1.08		
409598		23-Mar-92	F34	BGW 007		860.00						120.00							
500691		28-Mar-92	F34	BGZ 012	<2.41		<1.01				<4.10				<4.63		<1.08		
508115		28-Mar-92	F34	BGZ 011	<2.41	6.08	<1.01				<4.10				<4.63		<1.08		
PJ#003		10-Mar-92	A34	GNL 008	<1.00		<1.00				<1.90				<0.50		<0.72		
PJ#309		04-Dec-91	A33	GNB 006	<10.00	210.00	<10.00				<19.00	48.00	<10.00		<5.00	<13.00	<7.20	<10.00	
PJ#309		06-Mar-92	A34	GNJ 010	<5.00	160.00	<5.00				<9.50	28.00	<5.00		<2.50	<6.50	<3.60		
PJ#309		05-Jun-92	A35	GNX 013	<5.00	140.00	5.90				<9.50	24.00	<5.00		<2.50	<6.50	<3.60		
PJ#309		01-Sep-92	A36	(5)	<1.00	150.00	5.69				<1.90	27.30	<1.00		<0.50		<0.72		
PJ#310		04-Dec-91	A33	GNB 007	<20.00	520.00	<20.00				<38.00	140.00	<20.00		<10.00	<26.00	<14.00	<20.00	
PJ#310		06-Mar-92	A34	GNJ 008	<20.00	520.00	<20.00				<38.00	120.00	<20.00		<10.00	<26.00	<14.00	<20.00	
PJ#310		05-Jun-92	A35	GNX 015	<10.00	540.00	23.00				<19.00	110.00	<10.00		<5.00	<13.00	<7.20	<10.00	
PJ#310		01-Sep-92	A36	(5)	<50.00	650.00	<50.00				<95.00	220.00	<50.00		<25.00	<65.00	<36.00	<50.00	
PJ#311		04-Dec-91	A33	GNB 008	<1.00	25.40	<1.00				<1.90				<0.50		<0.72		
PJ#311		06-Mar-92	A34	GNK 011	<1.00	25.20	<1.00				<1.90				<0.50		<0.72		
PJ#311		05-Jun-92	A35	GNY 007	<1.00	23.60	<1.00				<1.90				<0.50		<0.72		
PJ#311		01-Sep-92	A36	(5)	<1.00	19.50	<1.00				<1.90		<1.00		<0.50		<0.72		

TABLE 5
TCAAP EXCEEDANCE OF ORGANIC GROUNDWATER ACTION CRITERIA - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Tetra chloro ethene TCLEE	Tri chloro ethene TRCLE	1,1-Di chloro ethene 11DCE	1,2-Di chloro ethene 12DCE	Cis-1,2-Dichloro ethene C12DCE	Trans 1,2-Dichloro ethene T12DCE	Vinyl Chloride C2H3CL	1,1,1-Tri chloro ethane 111TCE	1,1,2-Tri chloro ethane 112TCE	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	Benzene C6H6
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24	70.00	70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00	0.70
PJ#313	(4)	04-Dec-91	A33	GNB 010	<1.00	7.64	<1.00				<1.90				<0.50		<0.72		
PJ#313		04-Dec-91	A33	GNB 011	<1.00	7.55	<1.00				<1.90				<0.50		<0.72		
PJ#313		06-Mar-92	A34	GNJ 006	<1.00	5.76	<1.00				<1.90				<0.50		<0.72		
PJ#313		05-Jun-92	A35	GNX 020	<1.00	5.78	<1.00				<1.90				<0.50		<0.72		
PJ#313		01-Sep-92	A36	(5)	<1.00	5.69	<1.00				<1.90		<1.00		<0.50		<0.72		
PJ#318		27-Mar-92	F34	BGY 008	<2.41	5.99	<1.01				<4.10				<4.63		<1.08		
PJ#806		04-Mar-92	A34	GNH 008	<1.00	1600.00	92.00				<1.90	370.00		120.00	2.96		2.06		

Table 6

TCAAP Organic Surface Water Quality Data

Notes:

(1) This table represents monitoring performed for FCC during FY 92 in accordance with the TCAAP National Pollutant Discharge Elimination System (NPDES) permit. All concentrations are in micrograms per liter (μg/l), except oil and grease and total organic carbon which are in milligrams per liter (mg/l) as indicated.

(2) Sites refer to monitoring locations illustrated on Figure 53 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.

TABLE 6
TCAAP ORGANIC SURFACE WATER QUALITY DATA - ug/l (1)

Sample	Date	Qtr (2)	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 (mg/l)
TCAAP SW Action Criteria (4)			15	0.33	18000	9.4			
20100	16-Oct-91	F33						1.00	
20100	11-Nov-91	F33	<1.10	<0.49	<0.81	<0.72	<1.80		
20100	12-Nov-91	F33						<1.00	27.30
20100	06-Dec-91	F33						1.00	
20100	03-Jan-92	F34						<1.00	
20100	06-Feb-92	F34	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	18.00
20100	04-Mar-92	F34						<1.00	
20100	02-Apr-92	F35						<1.00	
20100	05-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	12.00
20100	15-Jun-92	F35						2.00	
20100	23-Jul-92	F36						<1.00	
20100	07-Aug-92	F36	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	
20100	08-Sep-92							<1.00	
20200	11-Nov-91	F33	<1.10	<0.49	<0.81	<0.72	<1.80	1.00	
20200	11-Nov-91	F33						<1.00	5.85
20200	06-Dec-91	F33						<1.00	
20200	03-Jan-92	F34						<1.00	
20200	06-Feb-92	F34	1.70	<1.01	<1.16	<0.97	<1.41	<1.00	<5.00
20200	04-Mar-92	F34						<1.00	
20200	02-Apr-92	F35						<1.00	
20200	05-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	
20200	15-Jun-92	F35						<1.00	
20200	23-Jul-92	F36						<1.00	
20200	07-Aug-92	F36	2.78	<1.01	<1.16	<0.97	<1.41	3.00	<5.00
20200	08-Sep-92							<1.00	

TABLE 6
TCAAP ORGANIC SURFACE WATER QUALITY DATA - ug/l (1)

Sample	Date	Qtr (2)	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 (mg/l)
TCAAP SW Action Criteria (4)			15	0.33	18000	9.4			
20300	16-Oct-91	F33						<1.00	
20300	11-Nov-91	F33	<1.10	<0.49	<0.81	<0.72	<1.80	<1.00	<5.00
20300	06-Dec-91	F33						<1.00	
20300	03-Jan-92	F34						<1.00	
20300	06-Feb-92	F34	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	<5.00
20300	04-Mar-92	F34						<1.00	
20300	02-Apr-92	F35						<1.00	
20300	05-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	5.50
20300	15-Jun-92	F35						<1.00	
20300	07-Aug-92	F36	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	<5.00
20300	08-Sep-92							<1.00	
20400	16-Oct-91	F33						<1	
20400	11-Nov-91	F33	<1.10	<0.49	<0.81	<0.72	<1.80	<1.00	6.66
20400	06-Dec-91	F33						<1.00	
20400	03-Jan-92	F34						<1.00	
20400	05-Feb-92	F34	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	6.60
20400	04-Mar-92	F34						<1.00	
20400	02-Apr-92	F35						<1.00	
20400	05-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	8.00
20400	15-Jun-92	F35						<1.00	
20400	23-Jul-92	F36						<1.00	
20400	07-Aug-92	F36	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	<5.00
20400	08-Sep-92							<1.00	

TABLE 6
TCAAP ORGANIC SURFACE WATER QUALITY DATA - ug/l (1)

Sample	Date	Qtr (2)	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 (mg/l)
TCAAP SW Action Criteria (4)			15	0.33	18000	9.4			
20500	21-Oct-91	F33						2.00	
20500	11-Nov-91	F33	<1.10	<0.49	<0.81	<0.72	<1.80	<1.00	6.23
20500	06-Dec-91	F33						<1.00	
20500	03-Jan-92	F34						<1.00	
20500	05-Feb-92	F34	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	<5.00
20500	04-Mar-92	F34						<1.00	
20500	02-Apr-92	F35						<1.00	
20500	05-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	8.50
20500	15-Jun-92	F35						<1.00	
20500	07-Aug-92	F36	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	<5.00
20500	08-Sep-92							<1.00	
20700	11-Nov-91	F33	<1.10	<0.49	<0.81	<0.72	<1.80	<1.00	21.20
20700	06-Feb-92	F34	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	14.00
20700	05-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	15.00
20700	07-Aug-92	F36	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	8.57
20800	16-Oct-91	F33						2.00	
20800	11-Nov-91	F33	<1.10	<0.49	<0.81	<0.72	<1.80	<1.00	21.40
20800	06-Dec-91	F33						<1.00	
20800	03-Jan-92	F34						<1.00	
20800	05-Feb-92	F34	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	12.00
20800	04-Mar-92	F34						<1.00	
20800	02-Apr-92	F35						<1.00	
20800	05-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	10.00
20800	15-Jun-92	F35						<1.00	
20800	23-Jul-92	F36						<1.00	
20800	07-Aug-92	F36	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	5.87
20800	08-Sep-92							<1.00	

TABLE 6
TCAAP ORGANIC SURFACE WATER QUALITY DATA - ug/l (1)

Sample	Date	Qtr (2)	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 (mg/l)
TCAAP SW Action Criteria (4)			15	0.33	18000	9.4			
20900	11-Nov-91	F33	<1.10	<0.49	<0.81	<0.72	<1.80	<1.00	21.40
20900	05-Feb-92	F34	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	13.00
20900	05-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	15.00
20900	07-Aug-92	F36	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	16.50
21000	11-Nov-91	F33	<1.10	<0.49	<0.81	<0.72	<1.80	<1.00	20.10
21000	05-Feb-92	F34	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	12.00
21000	05-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	15.00
21000	07-Aug-92	F36	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	6.25
21100	11-Nov-91	F33	<1.10	<0.49	<0.81	<0.72	<1.80	<1.00	9.56
21100	06-Feb-92	F34						<1.00	<5.00
21100	05-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	13.00
21100	07-Aug-92	F36	<1.04	<1.01	<1.16	<0.97	<1.41	3.00	<5.00
21200	06-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	21.00
21300	06-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	9.60
21400	06-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	22.00
21600	06-May-92	F35	<1.04	<1.01	<1.16	<0.97	<1.41	<1.00	2.70

Table 7

TCAAP Inorganic Surface Water Quality Data

Notes:

(1) This table represents monitoring performed for FCC during FY 92 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 53 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.

Table 7

TCAAP Inorganic Surface Water Quality Data

Notes:

(1) This table represents monitoring performed for FCC during FY 92 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 53 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.

TABLE 7
TCAAP INORGANIC SURFACE WATER QUALITY DATA (1)

Site - ID (1)	Date	Qtr (2)	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)	Biological Oxygen Demand BOD (mg/l)
TCAAP SW Action Criteria (4)					11.00		13.40		0.14	5.20			47.00				
20100	16-Oct-91	F33									<12.10	34.10					
20100	12-Nov-91	F33		0.27	<2.18	4.16	<5.94			<8.35	<12.10	54.20	100.00	3.10	5.60	743.00	4.00
20100	06-Dec-91	F33									<12.10	291.00					
20100	03-Jan-92	F34										120.00					
20100	07-Jan-92	F34									<12.10						
20100	06-Feb-92	F34		<0.10	2.43	4.40	<5.94			<8.35	<12.10	201.00	67.10	<5.60	6.00	830.00	16.00
20100	04-Mar-92	F34									<12.10	201.00					
20100	02-Apr-92	F35									17.10	101.00					
20100	05-May-92	F35	<1.93	<0.10	<2.18	<0.50	<5.94	<2.65	<0.70	<8.35	<12.10	201.00	<29.40	<3.70	<2.90	<46.50	<4.00
20100	15-Jun-92	F35									<12.10	46.20					
20100	23-Jul-92	F36									59.80	110.00					
20100	01-Aug-92	F36											34.10				
20100	07-Aug-92	F36		<0.10	<2.18		<5.94			<8.35		60.20		<3.30	<4.40	<49.10	6.00
20100	08-Sep-92	F36									<12.10	27.10					
20200	16-Oct-91	F33									<12.10	120.00					
20200	11-Nov-91	F33		0.18	<2.18	1.78	<5.94			<8.35	<12.10	<5.00	35.10				5.00
20200	06-Dec-91	F33									12.90	77.30					
20200	03-Jan-92	F34										28.10					
20200	07-Jan-92	F34									<12.10						
20200	06-Feb-92	F34		<0.10	<2.18	4.26	<5.94			<8.35	<12.10	43.20	42.10				<4.00
20200	04-Mar-92	F34									<12.10	36.10					
20200	02-Apr-92	F35									34.10	463.00					
20200	05-May-92	F35	<1.93	<0.10	<2.18	1.86	<5.94	<2.65	<0.70	<8.35	<12.10	432.00	<29.40	<4.50	4.80	<48.70	<4.00
20200	15-Jun-92	F35									<12.10	140.00					
20200	23-Jul-92	F36									<12.10	59.20					
20200	01-Aug-92	F36											31.10				
20200	07-Aug-92	F36		0.12	<2.18		<5.94			<8.35		74.30					<3.00
20200	08-Sep-92	F36									<12.10	26.10					
20300	16-Oct-91	F33									<12.10	62.20					
20300	11-Nov-91	F33		<0.10	<2.18	5.00	<5.94			<8.35	<12.10	<5.00	43.10	2.70	3.40	86.60	5.00
20300	06-Dec-91	F33									<12.10	80.30					
20300	03-Jan-92	F34										800.00					
20300	07-Jan-92	F34									<12.10						
20300	06-Feb-92	F34		<0.10	2.73	8.10	<5.94			<8.35	<12.10	100.00	53.10	<5.60	<3.30	466.00	<4.00
20300	04-Mar-92	F34									<12.10	77.30					
20300	02-Apr-92	F35									23.20	99.00					
20300	05-May-92	F35	<1.93	<0.10	<2.18	1.47	<5.94	<2.65	<0.70	<8.35	<12.10	97.40	31.10	<4.50	<3.30	<40.10	<4.00
20300	15-Jun-92	F35									<12.10	140.00					
20300	23-Jul-92	F36									13.90	59.20				<1.00	
20300	01-Aug-92	F36											38.10				
20300	07-Aug-92	F36		0.16	<2.18		<5.94			<8.35		40.20		<3.50	<4.50	<97.80	8.00
20300	08-Sep-92	F36									<12.10	61.20					

TABLE 7
TCAAP INORGANIC SURFACE WATER QUALITY DATA (1)

Site - ID (1)	Date	Qtr (2)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (mg/l)	Ammonia NH3 (mg/l)	Chloride CL (mg/l)	PH	Conductivity COND (umho)	Total Suspended Solids TSS (mg/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	16-Oct-91	F33		6.10		19.70	6.50	289.00	13.00						
20100	12-Nov-91	F33	170.00	2.49	0.17	23.30	6.00	322.00	2.00	30.00	<4.40	<5.40	<0.40	<0.30	<0.30
20100	06-Dec-91	F33		14.70		36.60	6.56	440.00	19.00						
20100	03-Jan-92	F34		0.41		29.50	6.55	392.00	11.00						
20100	07-Jan-92	F34													
20100	06-Feb-92	F34	78.00	2.75	0.24	31.40	6.15	515.00	7.00	20.00			1.20	<0.10	1.10
20100	04-Mar-92	F34		2.06		28.20	6.31	399.00	15.00						
20100	02-Apr-92	F35		2.56		32.30	7.67	324.00	7.00						
20100	05-May-92	F35	290.00		0.08	31.90			1.00		<1.60	<3.40	<3.80	<1.70	<2.90
20100	15-Jun-92	F35				23.90			3.00	50.00					
20100	23-Jul-92	F36		<0.10		17.80	6.47	319.00	7.00						
20100	01-Aug-92	F36													
20100	07-Aug-92	F36	42.00		0.10	14.60	9.37		16.00		15.80	<6.80	<5.00	<1.50	<7.30
20100	08-Sep-92	F36		6.66		15.80	6.66	298.00	5.00						
20200	16-Oct-91	F33		9.66		86.70	8.00	909.00	2.00						
20200	11-Nov-91	F33	15.00	8.30	0.27	900.00	7.50	334.00	7.00	60.00					
20200	06-Dec-91	F33		12.20		36.00	7.23	517.00	3.00						
20200	03-Jan-92	F34		9.27		71.20	7.87	616.00	2.00						
20200	07-Jan-92	F34													
20200	06-Feb-92	F34	49.00	7.21	0.63	79.90	7.21	812.00	2.00	0.00					
20200	04-Mar-92	F34		115.00		101.00	7.80	895.00	60.00						
20200	02-Apr-92	F35		11.00		73.10	7.91	593.00	6.00						
20200	05-May-92	F35	22.00		0.21	120.00	8.00	<3.70	50.00	780.00	<5.80		6.10	<1.70	6.00
20200	15-Jun-92	F35				110.00			3.00						
20200	23-Jul-92	F36		4.81		108.00	8.48	886.00	5.00						
20200	01-Aug-92	F36													
20200	07-Aug-92	F36	19.00			17.80		0.10	6.00	1420.00					
20200	08-Sep-92	F36		8.38		108.00	8.38	889.00	<1.00						
20300	16-Oct-91	F33		9.44		69.10	7.90	755.00	<1						
20300	11-Nov-91	F33	5.00	9.69	0.30	60.40	7.40	474.00	28.00	2390.00	<1.60	<6.40	1.30	<0.40	0.90
20300	06-Dec-91	F33		12.10		37.10	2.32	475.00	4.00						
20300	03-Jan-92	F34		8.90		60.80	7.55	675.00	81.00						
20300	07-Jan-92	F34													
20300	06-Feb-92	F34	10.00	6.31	0.43	63.90	6.93	762.00	14.00	>2000.00			0.60	0.60	1.00
20300	04-Mar-92	F34		104.00		48.40	7.63	675.00	50.00						
20300	02-Apr-92	F35		8.90		99.40	7.70	880.00	7.00						
20300	05-May-92	F35	5.00		0.18	101.00			2.00	20.00	<2.40	<3.20	<3.80	<1.70	<2.90
20300	15-Jun-92	F35				93.40			44.00						
20300	23-Jul-92	F36		4.91		74.60	8.19	808.00	<5.00						
20300	01-Aug-92	F36													
20300	07-Aug-92	F36	28.00		0.05	22.70			2.00	680.00	<9.20	<5.80	2.00	<0.40	<1.80
20300	08-Sep-92	F36		9.58		80.60	8.35	755.00	4.00						

TABLE 7
TCAAP INORGANIC SURFACE WATER QUALITY DATA (1)

Site - ID (1)	Date	Qtr (2)	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)	Biological Oxygen Demand BOD (mg/l)
TCAAP SW Action Criteria (4)					11.00		13.40		0.14	5.20			47.00				
20400	16-Oct-91	F33									<12.10	38.20					
20400	11-Nov-91	F33		<0.10	840.00	4.26	<5.94			<8.35	<12.10	<5.00	100.00			0.24	<4.00
20400	06-Dec-91	F33									<12.10	82.30					
20400	03-Jan-92	F34										151.00					
20400	07-Jan-92	F34									<12.10						
20400	05-Feb-92	F34		<0.10	220.00	3.47	<5.94			<8.35	<12.10	100.00	43.10				<4.00
20400	04-Mar-92	F34									<12.10	51.20					
20400	02-Apr-92	F35									45.00	152.00					
20400	05-May-92	F35		0.10	<2.18	2.43	<5.94	<2.65	<0.70	<8.35		60.20	55.10	<4.70	<5.60	<35.30	<4.00
20400	15-Jun-92	F35									<12.10	47.20					
20400	23-Jul-92	F36									<12.10	39.20					
20400	01-Aug-92	F36											39.10				
20400	07-Aug-92	F36		<0.10	2.72		<5.94			<8.35		40.20					5.00
20400	08-Sep-92	F36									<12.10	44.20					
20500	16-Oct-91	F33															
20500	21-Oct-91	F33									<12.1	65.30					
20500	11-Nov-91	F33		<0.10	<2.18	4.95	<5.94			<8.35	<12.10	<5.00	92.20	3.90	22.90	1380.00	4.00
20500	06-Dec-91	F33									<12.10	61.20					
20500	03-Jan-92	F34										211.00					
20500	07-Jan-92	F34									<12.10						
20500	05-Feb-92	F34		<0.10	<2.18	6.70	<5.94			<8.35	<12.10	75.30	150.00	<11.20	<10.50	937.00	<4.00
20500	04-Mar-92	F34									<12.10	68.30					
20500	02-Apr-92	F35									<12.10	54.40					
20500	05-May-92	F35	43.00	0.13	<2.18	3.80	<5.94	<2.65	<0.70	<8.35	<12.10	120.00	132.00	<11.30	9.20	<69.80	<4.00
20500	15-Jun-92	F35									<12.10	26.10					
20500	23-Jul-92	F36									<12.10	52.20				<1.00	
20500	01-Aug-92	F36											36.10				
20500	07-Aug-92	F36		<0.10	<2.18		<5.94			<8.35		40.20		2.90	<4.00	<76.30	4.00
20500	08-Sep-92	F36									<12.10	50.20					
20700	11-Nov-91	F33		<0.10	<2.18	3.47	<5.94			<8.35	<12.10	<5.00	60.10	<5.20	2.50	820.00	4.00
20700	06-Feb-92	F34		<0.10	<2.18	3.76	<5.94			<8.35	<12.10	191.00	35.10	<5.60	7.20	463.00	<4.00
20700	05-May-92	F35	<1.93	<0.10	<2.18	2.41	<5.94	<2.65	<0.70	<8.35	<12.10	191.00	41.10	<3.50	<3.10	<38.50	<4.00
20700	01-Aug-92	F36											<29.4				
20700	07-Aug-92	F36		<0.10	<2.18		11.10			<8.35		321.00		<3.10	6.70	<100.00	13.00

TABLE 7
TCAAP INORGANIC SURFACE WATER QUALITY DATA (1)

Site - ID (1)	Date	Qtr (2)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (mg/l)	Ammonia NH3 (mg/l)	Chloride CL (mg/l)	PH	Conductivity COND (umho)	Total Suspended Solids TSS (mg/l)	Coliform COLI (/100ml)	CO60 (pC/L)	CS137 (pC/L)	U234 (pC/L)	U235 (pC/L)	U238 (pC/L)
TCAAP SW Action Criteria (4)															
20400	16-Oct-91	F33		8.17		50.70	7.48	886.00	2.00						
20400	11-Nov-91	F33	12.00	8.55		397.00	7.40	1970.00	5.00	580.00					
20400	06-Dec-91	F33		12.50		24.50	7.20	508.00	10.00						
20400	03-Jan-92	F34		8.01		32.20	7.42	629.00	28.00						
20400	07-Jan-92	F34													
20400	05-Feb-92	F34	32.00	7.50	0.50	37.30	7.34	720.00	2.00	460.00					
20400	04-Mar-92	F34		11.30		36.00	7.40	734.00	5.00						
20400	02-Apr-92	F35		10.00		0.58	7.67	863.00	6.00						
20400	05-May-92	F35	10.00		0.21	55.00			3.00	50.00	<3.00	<3.60	4.30	<1.70	4.80
20400	15-Jun-92	F35				53.50			<1.00						
20400	23-Jul-92	F36		3.65		49.70	7.65	803.00	<5.00						
20400	01-Aug-92	F36													
20400	07-Aug-92	F36	19.00		0.05	6.17			4.00	>2000.00					
20400	08-Sep-92	F36		7.79		38.20	7.79	786.00	3.00						
20500	16-Oct-91	F33		7.98		474.00	7.70	1050.00							
20500	21-Oct-91	F33							1.00						
20500	11-Nov-91	F33	17.00	11.80	0.22	226.00	7.30	1390.00	<1.00	6000.00	<1.10	<3.50	1.10	<0.30	1.00
20500	06-Dec-91	F33		11.40		269.00	7.50	1550.00	8.00						
20500	03-Jan-92	F34		8.18		250.00	7.37	1430.00	35.00						
20500	07-Jan-92	F34													
20500	05-Feb-92	F34	15.00	9.59	0.27	279.00	7.31	1680.00	7.00	>2000.00			1.30	0.10	1.20
20500	04-Mar-92	F34		12.20		85.50	7.32	751.00	11.00						
20500	02-Apr-92	F35		10.70		443.00	7.60	2110.00	7.00						
20500	05-May-92	F35	11.00		0.81	467.00			6.00	280.00	<1.80	<4.90	<3.80	<1.70	<2.90
20500	15-Jun-92	F35				64.30			1.00						
20500	23-Jul-92	F36		<0.10		240.00	7.25	1260.00	<5.00						
20500	01-Aug-92	F36													
20500	07-Aug-92	F36	19.00		0.04	3.97			7.00	>2000.00	<5.90	136.00	<1.70	<0.50	<2.50
20500	08-Sep-92	F36		9.60		227.00	7.45	1370.00	2.00						
20700	11-Nov-91	F33	45.00	9.79	0.50	22.50	7.20	450.00	2.00	10.00	<4.10	<5.20	<0.40	<0.30	<0.30
20700	06-Feb-92	F34	39.00	4.75	0.72	27.10	6.44	600.00	4.00	20.00			0.50	0.10	0.30
20700	05-May-92	F35	49.00		0.08	19.60			34.00	10.00	<3.70	<2.40	289.00	2.30	<2.90
20700	01-Aug-92	F36													
20700	07-Aug-92	F36	74.00		0.46	15.70			36.00	750.00	<3.10	<12.60	<5.10	<1.50	<7.30

TABLE 7
TCAAP INORGANIC SURFACE WATER QUALITY DATA (1)

Site - ID (1)	Date	Qtr (2)	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)	Biological Oxygen Demand BOD (mg/l)
TCAAP SW Action Criteria (4)					11.00		13.40		0.14	5.20			47.00				
20800	16-Oct-91	F33									<12.10	64.30					
20800	11-Nov-91	F33		<0.10	<2.18	3.56	<5.94			<8.35	<12.10	<5.00	43.10	2.20	7.80	1490.00	<4.00
20800	06-Dec-91	F33									63.40	67.30					
20800	03-Jan-92	F34										110.00					
20800	07-Jan-92	F34									<12.10						
20800	05-Feb-92	F34		<0.10	<2.18	4.46	<5.94			<8.35	<12.10	181.00	<29.40	<5.60	3.30	879.00	<4.00
20800	04-Mar-92	F34									<12.10	161.00					
20800	02-Apr-92	F35									14.30	68.00					
20800	05-May-92	F35	<1.93	<0.10	<2.18	2.82	<5.94	<2.65	<0.70	<8.35	<12.10	161.00	38.10	<4.00	6.30	<66.30	<4.00
20800	15-Jun-92	F35									<12.10	241.00					
20800	23-Jul-92	F36									63.40	361.00					
20800	01-Aug-92	F36											37.10				
20800	07-Aug-92	F36		<0.10	<2.18		<5.94			<8.35		221.00		3.90	6.30	<125.00	11.00
20800	08-Sep-92	F36									<12.10	201.00					
20900	11-Nov-91	F33		<0.10	<2.18	3.27	<5.94			<8.35	<12.10	7.93	60.10				4.00
20900	05-Feb-92	F34		<0.10	<2.18	5.70	<5.94			<8.35	14.90	181.00	<29.40				<4.00
20900	05-May-92	F35	8.42	<0.10	<2.18	2.30	<5.94	<2.65	<0.70	<8.35	<12.10	161.00	33.10	<4.00	3.60	<48.60	<4.00
20900	01-Aug-92	F36											<29.4				
20900	07-Aug-92	F36		<0.10	<2.18		<5.94			<8.35		341.00					22.00
21000	11-Nov-91	F33		0.13	2.33	2.57	<5.94			<8.35	<12.10	<5.00	<29.40				<4.00
21000	05-Feb-92	F34		<0.10	<2.18	4.80	<5.94			<8.35	27.70	181.00	33.10				<4.00
21000	05-May-92	F35	<1.93	0.13	<2.18	2.43	<5.94	<2.65	<0.70	<8.35	<12.10	157.00	<29.40	<4.00	<2.90	<36.80	<4.00
21000	01-Aug-92	F36											<29.4				
21000	07-Aug-92	F36		<0.10	<2.18		<5.94			<8.35		291.00					9.00
21100	11-Nov-91	F33		<0.10	<2.18	4.46	<5.94			<8.35	<12.10	<5.00	<29.40				<4.00
21100	06-Feb-92	F34		<0.10	<2.18	3.76	<5.94			<8.35	<12.10	28.10	33.10				<4.00
21100	05-May-92	F35	<1.93	<0.10	<2.18	<0.50	<5.94	<2.65	<0.70	<8.35	<12.10	16.10	<29.40	<4.30	<3.20	<23.80	<4.00
21100	01-Aug-92	F36											<29.4				
21100	07-Aug-92	F36		<0.10	<2.18		<5.94			<8.35		54.20					<3.00
21200	05-May-92	F35	<1.93	<0.10							<12.10						
21200	06-May-92	F35			<2.18	<0.50	<5.94	<2.65	<0.70	<8.35		88.40	42.10	<4.00	2.90	<68.30	<4.00
21300	05-May-92	F35	<1.93	<0.10							<12.10						
21300	06-May-92	F35			<2.18	1.75	<5.94	2.91	<0.70	<8.35		100.00	35.10	<4.50	3.90	<74.00	<4.00
21400	05-May-92	F35	<1.93	<0.10							<12.10						
21400	06-May-92	F35			<2.18	2.55	<5.94	3.09	<0.70	<8.35		924.00	61.10	<4.00	3.40	<42.20	6.00
21600	05-May-92	F35	<1.93	0.25							<12.10						
21600	06-May-92	F35			<2.18	2.74	<5.94	3.98	<0.70	<8.35		110.00	37.10	<3.00	4.60	<48.20	5.00

TABLE 7
TCAAP INORGANIC SURFACE WATER QUALITY DATA (1)

Site - ID (1)	Date	Qtr (2)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (mg/l)	Ammonia NH3 (mg/l)	Chloride CL (mg/l)	PH	Conductivity COND (umho)	Total Suspended Solids TSS (mg/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	16-Oct-91	F33		9.63		22.00	7.30	368.00	10.00						
20800	11-Nov-91	F33	49.00	9.59	0.41	28.30	7.40		<1.00	<10.00	<5.60	<4.90	<0.60	<0.40	0.70
20800	06-Dec-91	F33		9.40		25.20	7.31	482.00	4.00						
20800	03-Jan-92	F34		6.98		128.00	7.80	519.00	2.00						
20800	07-Jan-92	F34													
20800	05-Feb-92	F34	49.00	5.72	0.74	28.00	7.16	632.00	5.00	0.00			0.80	<0.10	1.20
20800	04-Mar-92	F34		7.75		29.20	7.09	553.00	10.00						
20800	02-Apr-92	F35		9.73		22.90	7.73	369.00	11.00						
20800	05-May-92	F35	54.00		0.06	18.60			38.00	0.00	<4.40	<2.60	<3.80	<1.70	<2.90
20800	15-Jun-92	F35				24.20			54.00						
20800	23-Jul-92	F36		0.50		25.30	8.26	324.00	43.00						
20800	01-Aug-92	F36													
20800	07-Aug-92	F36	23.00		0.52	19.30			24.00	1810.00	<6.60	<4.80	<2.50	2.10	<3.60
20800	08-Sep-92	F36		7.64		27.30	7.64	393.00	10.00						
20900	11-Nov-91	F33	55.00	11.50	0.32	20.10	7.80	449.00	<1.00	<10.00					
20900	05-Feb-92	F34	59.00	3.52	1.10	27.20	6.94	600.00	7.00	<10.00					
20900	05-May-92	F35	54.00		0.13	17.90			31.00	0.00	<1.70	13.60	<3.80	<1.70	<2.90
20900	01-Aug-92	F36													
20900	07-Aug-92	F36	93.00		0.28	17.60			58.00	790.00					
21000	11-Nov-91	F33	44.00	10.20	0.40	26.80	7.40	479.00	1.00	<10.00					
21000	05-Feb-92	F34	49.00	7.11	0.83	27.90	7.05	633.00	6.00	10.00					
21000	05-May-92	F35	64.00		0.26	22.40			30.00	10.00	<1.80	<1.50	25.80	2.70	22.20
21000	01-Aug-92	F36													
21000	07-Aug-92	F36	28.00		0.53	18.00			37.00	1300.00					
21100	11-Nov-91	F33	18.00	8.99	0.27	45.50	7.40	850.00	<1.00	10.00					
21100	06-Feb-92	F34	17.00	3.30	0.19	79.90	6.81	754.00	3.00	0.00					
21100	05-May-92	F35	27.00		0.05	73.40			1.00	0.00	<3.80	<3.80	<3.80	<1.70	<2.90
21100	01-Aug-92	F36													
21100	07-Aug-92	F36	23.00		0.06	32.00			5.00	1740.00					
21200	05-May-92	F35													
21200	06-May-92	F35	49.00		0.16	63.30			14.00	10.00	<4.10	<3.60	<3.80	<1.70	<2.90
21300	05-May-92	F35													
21300	06-May-92	F35	53.00		0.57	251.00			14.00	70.00	<3.70	<4.60	<3.80	<1.70	<2.90
21400	05-May-92	F35													
21400	06-May-92	F35	35.00		0.30	63.30			200.00	0.00	<5.20	<3.80	<3.80	<1.70	<2.90
21600	05-May-92	F35													
21600	06-May-92	F35	160.00		0.11	42.00			110.00	60.00	7.00	<0.00	<3.80	<1.70	<2.90

Table 8

Site A Performance Data

Table 8
Site A Performance Data

Date	Volume of Water Treated	Trichloroethene			Tetrachloroethene			1,2-Dichloroethene		
		Influent Conc. (ug/l)	Effluent Conc. (ug/l)	Pounds Removed	Influent Conc. (ug/l)	Effluent Conc. (ug/l)	Pounds Removed	Influent Conc. (ug/l)	Effluent Conc. (ug/l)	Pounds 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
SUBTOTALS	6,670,370			0.78			1.71			1.36

Note: 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 9

TGRS Groundwater Capture and Treatment Requirements

TABLE 9

TGRS GROUNDWATER CAPTURE AND TREATMENT REQUIREMENTS

TABLE 1

APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

Substance	Contaminant Specific Requirements(a) (ppb)	Acceptable Risk Level(b) 10^{-6} (ppb)	Expected level in discharge (ppb)
VOLATILE ORGANIC COMPOUNDS (VOC)			
BENZENE	5 (MCL)	0.67	ND
TOULUENE	2000 (MCLGP)	-	ND
CIS 1,2-DICHLORUETHENE plus	70 (MCLGP)	-	<1
TRANS 1,2-DICHLOROETHENE			<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-UICHLOROPROPANE	6 (MCLGP)	0.56	-
1,1,2,2-TETRACHLOROETHANE	6.9 (RAL)	0.7	-
CARBON TETRACHLORIDE	5 (MCL)	0.3	-
1,1,2-TRICHLOROTRIFLOUROETHANE	- (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	1000 (MCL)	1000 (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

TABLE 9 (Cont'd)

TGRS GROUNDWATER CAPTURE AND TREATMENT REQUIREMENTS

Notes for Table 1

(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 U.S. EPA approval. Values are based on 10^{-6} risk level for carcinogens and for non-carinogens the 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 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

* ATSDR Agency for Toxic Substances and Disease Registry recommended action level for BGRS.

Table 10

Summary of BGRS Pumping Test Results

TABLE 10

SUMMARY OF BGRS PUMPING TEST RESULTS

Well	Transmissivities (ft^2/day)
B1	27,254
B2	38,417
B3	26,920
B4	26,226
B5	34,273
B6	30,300

Table 11

1992 Extraction Well Practical Operating Pumping Rates

TABLE 11

1992 EXTRACTION WELL
PRACTICAL OPERATING PUMPING RATES

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

Table 12

Extraction Well Shutdown Sequence

TABLE 12

EXTRACTION WELL
SHUT DOWN SEQUENCE

1st	B3
2nd	B4
3rd	B1 and B2
4th	B5 and B6
5th	B7 and B8
6th	B9 and B10
7th	B11, SC-1 and B12
8th	SC2 and SC3
9th	SC4 and SC5

Note:

The SC-1 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, SC-1 is given permission to run. When the PLC orders B11 to shut down, permission is withdrawn for SC-1 to operate. SC-1 shuts down.

Table 13

Alliant Techsystems TGRS Extraction Well Water Pumped for the Fiscal Year 1992

TABLE 13

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
FOR THE FISCAL YEAR 1992

VOLUME OF WATER PUMPED (GALLONS)

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC1	SC2	SC3	SC4	SC5	TOTAL
OCTOBER	7,875,100	9,052,400	8,983,600	8,525,400	8,994,300	11,660,600	13,113,300	5,175,200	6,428,400	10,939,000	4,558,200	7,714,100	1,466,050	1,482,300	4,148,500	1,701,300	4,351,100	116,168,850
NOVEMBER	8,029,100	8,350,700	8,736,700	8,428,700	8,330,400	10,855,600	12,097,200	4,828,500	6,058,100	10,049,000	4,235,600	7,212,400	1,253,640	1,049,100	3,866,700	1,527,400	4,088,500	108,997,340
DECEMBER	8,729,900	9,066,700	9,217,100	8,950,300	9,127,200	11,773,200	13,257,600	5,232,000	6,528,600	10,826,700	4,530,400	7,853,000	1,607,590	2,151,900	4,033,700	1,715,500	4,323,200	118,924,590
JANUARY	8,859,700	8,911,600	9,119,300	9,065,800	9,070,200	11,887,400	13,472,900	5,302,200	6,715,700	10,953,000	4,578,600	7,974,000	1,353,110	2,476,300	4,117,300	1,936,100	4,532,400	120,325,610
FEBRUARY	8,367,200	8,562,700	8,330,400	8,729,000	8,468,800	10,904,700	12,676,200	5,018,900	6,381,700	10,336,700	4,306,700	7,560,800	1,259,970	1,911,900	3,872,200	1,840,300	4,319,400	112,847,570
MARCH	8,991,800	9,182,700	9,150,600	9,373,600	9,076,000	11,564,200	13,575,800	5,360,200	6,917,500	11,074,100	4,596,900	8,095,900	1,186,280	2,600,600	4,227,900	1,958,800	4,691,900	121,624,780
APRIL	8,984,300	8,806,700	8,829,000	9,001,000	8,764,100	12,061,000	13,032,100	5,068,700	6,595,700	10,770,500	4,395,700	7,745,500	1,543,360	2,222,700	4,128,500	1,841,000	4,537,500	118,327,360
MAY	9,407,700	9,097,200	8,989,100	9,275,400	9,039,000	12,503,900	13,489,200	5,230,700	6,838,100	11,266,900	4,563,900	8,072,000	1,501,490	2,549,000	4,289,200	1,956,100	4,755,500	122,824,390
JUNE	9,034,200	8,743,400	8,525,200	8,576,600	9,258,900	11,843,300	12,776,800	4,919,300	6,519,300	10,655,500	4,306,800	7,657,100	1,566,870	1,553,700	4,149,300	1,882,000	4,549,400	116,517,670
JULY	8,916,500	8,934,000	8,061,000	8,926,700	9,498,500	12,273,600	13,115,100	5,126,900	6,649,700	10,982,200	4,411,400	7,982,000	1,589,990	1,401,500	4,355,600	1,994,700	4,709,200	118,928,590
AUGUST	8,197,900	8,234,700	7,833,100	8,308,000	8,549,100	11,822,300	12,871,900	5,023,500	6,538,600	10,715,600	4,012,500	7,795,000	1,579,580	1,058,400	4,431,000	1,842,100	4,455,300	113,268,580
SEPTEMBER	8,219,300	8,233,000	8,328,000	8,581,300	8,692,900	11,531,900	12,455,900	4,766,900	6,326,800	10,472,600	4,139,200	7,508,200	1,564,670	708,500	4,634,600	1,849,800	4,577,700	112,591,270
TOTAL	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

Table 14

Alliant Techsystems TGRS Treatment Center Water Meter Totals for the Fiscal Year 1992

TABLE 14

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER TOTALS FOR THE FISCAL YEAR 1992									
VOLUME OF WATER PUMPED (GALLONS)									
	METER #1	METER #2	TOTAL M1 & M2	METER #3	METER #4	TOTAL M3 & M4	METER #5	METER #6	TOTAL M5 & M6
OCTOBER	56,406,000	60,190,000	116,596,000	47,565,000	63,845,000	111,410,000	67,815,000	41,418,000	67,815,000
NOVEMBER	52,791,000	56,370,000	109,161,000	44,105,000	60,402,000	104,507,000	63,457,000	53,792,000	63,457,000
DECEMBER	58,199,000	61,118,000	119,317,000	47,762,000	66,507,000	114,269,000	68,032,000	58,741,000	68,032,000
JANUARY	58,241,000	62,263,000	120,504,000	49,648,000	65,747,000	115,395,000	68,777,000	58,350,000	68,777,000
FEBRUARY	55,098,000	58,572,000	113,670,000	47,066,000	61,179,000	108,245,000	63,989,000	54,023,000	63,989,000
MARCH	59,608,000	62,860,000	122,468,000	49,936,000	66,517,000	116,453,000	68,875,000	58,714,000	68,875,000
APRIL	58,437,000	60,484,000	118,921,000	48,582,000	64,441,000	113,023,000	66,885,000	57,588,000	66,885,000
MAY	60,140,000	62,917,000	123,057,000	50,130,000	66,612,000	116,742,000	69,671,000	60,323,000	69,671,000
JUNE	57,228,000	59,772,000	117,000,000	47,112,000	63,613,000	110,725,000	65,860,000	57,651,000	65,860,000
JULY	57,518,000	61,827,000	119,345,000	48,865,000	64,143,000	113,008,000	64,208,000	59,669,000	64,208,000
AUGUST	54,921,000	58,954,000	113,875,000	40,884,000	63,711,000	104,595,000	40,354,000	57,712,000	40,354,000
SEPTEMBER	54,312,000	59,001,000	113,313,000	35,514,000	65,792,000	101,306,000	59,784,000	59,754,000	59,784,000
TOTAL	682,899,000	724,328,000	1,407,227,000	557,169,000	772,509,000	1,329,678,000	767,707,000	677,735,000	767,707,000

TOTAL OF METERS #1 & #2: 1,407,227,000

Table 15

Down Time Days

TABLE 15

DOWN TIME DAYS

Well Name	1992 Days Down	1991 Days Down	1990 Days Down	1989 Days Down	Well Name	1992 Days Down	1991 Days Down	1990 Days Down	1989 Days Down
B1	6	9	7	55	B9	5	8	8	44
B2	7	8	8	33	B10	5	7	4	42
B3	6	20	5	33	B11	7	8	6	34
B4	7	8	4	35	B12	5	7	4	38
					SC1	6	11		
B5	7	10	4	36	SC2	8	7	5	49
B6	6	8	4	36	SC3	7	7	4	33
B7	5	7	4	41	SC4	7	7	4	34
B8	5	8	5	33	SC5	7	7	4	34

Table 16

Down Time Days
by Category - 1992

TABLE 16

DOWN TIME DAYS
BY CATEGORY - 1992

Problem	Down Time Days	%	Affected Wells/System
System Modifications	0	0	Extraction Wells
Trouble Shooting/Repair	0.9	14.6	Treatment Center
Trouble Shooting/Repair	1	16.1	Pumphouses
Preventive Maintenance	0.1	1.6	Entire System
TCAAP Power System Failures	4.2	67.7	Entire System Down
TOTAL DAYS DOWN	6.2	100	

Anticipated Down Time 1993

Preventive Maintenance	1	Wells
Preventive Maintenance	1	Treatment Center
Preventive Maintenance	0.5	Forcemain
TCAAP Electrical System Failures	6	Entire System
Trouble Shooting/Repairs	1.5	Wells
Trouble Shooting/Repairs	1.5	Treatment Center
System Modifications	1	Treatment Center

Table 17

Vertical Hydraulic Gradients

VERTICAL HYDRAULIC GRADIENTS

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	10/14/88	12/02/88	01/13/89
03U001<--->	03M001	0.016		0.002	0.001	0.002	0.001	0.004	0.002	0.002	0.005	0.009	0.006	0.002	0.002	0.003	0.002
03M001<--->	03L001	0.001	0.000	-0.002	-0.001	-0.001	-0.001	-0.005	0.000	-0.001	-0.000	-0.007	-0.005	0.000	-0.000	-0.001	-0.000
03L001 <--->	04U001	-0.017		-0.003	-0.003	-0.003	-0.003	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.003	-0.004	-0.002	-0.003
03U002<--->	03M002	-0.004	-0.001	-0.008	-0.007		-0.005	-0.006	-0.007	-0.005	-0.009	-0.007	0.004	0.005	-0.001	0.001	-0.017
03M002<--->	03L002	-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	-0.001	-0.001
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	-0.002		-0.003
03U003<--->	03M003			-0.002	-0.083		-0.001	0.003	-0.003	-0.003	-0.005	-0.003	-0.003	-0.003	-0.001	0.001	-0.003
03M003<--->	03L003	0.002	0.000	0.001	0.089		0.002	0.008	-0.003	0.000	-0.006	-0.006	-0.002	-0.002	0.001	0.003	-0.003
03L003 <--->	04U003	-0.078	-0.084	-0.073	-0.074	-0.071	-0.072	-0.066	-0.080	-0.078	-0.089	-0.075	-0.072	-0.075	-0.066	-0.069	-0.069
04U003<--->	PJ#003						-0.004		-0.004	-0.005	-0.018	-0.010	-0.006	-0.006	-0.005	-0.006	-0.005
03U004<--->	03M004	-0.040	-0.031	-0.033	-0.033	-0.033	-0.033	-0.026	-0.034	-0.034	-0.035	-0.035	-0.034	-0.034	-0.032	-0.031	-0.031
03M004<--->	03L004	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
03U005<--->	03M005								0.000	0.000	0.003	0.000	0.000	0.000	0.003	0.000	0.000
03M005<--->	03L005								0.000	0.000	-0.006	0.000	0.000	0.000	-0.006	0.000	0.000
03U007<--->	03M007				-0.001		-0.001	-0.001	-0.001	-0.001	-0.000	-0.000	-0.001	-0.001	-0.001	-0.001	-0.001
03M007<--->	03L007				-0.006		-0.006	-0.007	-0.008	-0.007	-0.008	-0.006	-0.003	-0.006	-0.007	-0.005	-0.006
03L007 <--->	04U007				0.002		0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.002
03U010<--->	03M010				-0.002		-0.002	-0.002	-0.002	-0.001	-0.002	-0.001	0.000	0.000	0.001	-0.000	0.000
03M010<--->	03L010				0.005		0.003	0.002	0.000	-0.001	0.000	0.002	0.001	0.000	0.001	0.001	-0.001
03U012<--->	03M012			0.003	-0.000		-0.001	0.001	-0.001	-0.001	-0.001	-0.001	-0.000	-0.001	-0.001	-0.001	0.000
03M012<--->	03L012			-0.003	-0.002		-0.001	-0.007	-0.002	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.006	-0.001
03L012 <--->	04U012			-0.001	-0.001		-0.002	0.000	-0.001	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	0.001	-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	-0.001	-0.001	-0.001
03M013<--->	03L013		-0.001	-0.002	-0.002		-0.002	-0.009	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001
03U014<--->	03L014		-0.000	0.001	0.001		0.001	0.001	0.000	0.011	-0.001	-0.001	-0.000	0.000	0.001	0.001	0.001
03U017<--->	03M017	-0.005	0.000	0.000	-0.001			-0.001	-0.001	-0.001	-0.001	0.000	-0.000	-0.000	0.000	-0.001	0.000
03M017<--->	03L017	-0.000	0.000	0.001	0.003				-0.000	0.000	0.000	0.003	0.000	0.001	0.000	0.000	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	-0.002	-0.001	-0.001
03U020<--->	03M020	-0.004	0.006	-0.000	-0.000	0.000	-0.000	-0.002	-0.001	-0.001	-0.002	-0.001	-0.000	-0.000	0.000	-0.001	0.005
03M020<--->	03L020	-0.002	-0.003	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.001	-0.001
03L020 <--->	04U020	-0.008	-0.013	-0.010	-0.010	-0.010	-0.008	-0.026	-0.013	-0.014	-0.038	0.008	-0.015	-0.013	-0.010	-0.009	-0.009
03U021<--->	03L021						-0.002		-0.003								-0.002
03U027<--->	03L027		-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	-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	-0.035	-0.030	-0.030
04U027<--->	PJ#027		-0.002	-0.001	-0.002	-0.003	-0.002		-0.002	-0.002	-0.002	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001
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	-0.001	-0.000	-0.001
03U029<--->	03L029	-0.000				-0.003	0.011	0.013	-0.005	-0.005	-0.007	-0.006	0.001	-0.003	0.010	-0.000	-0.004

NEGATIVE VALUES DENOTE DOWNWARD GRADIENTS

TABLE 17
VERTICAL HYDRAULIC GRADIENTS

WELLS		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	09/27/91	12/06/91	03/24/92	06/01/92	09/01/92	10/08/92
03U001<--->	03M001	-0.002	-0.003	-0.004	-0.003	-0.005	-0.004	-0.002	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.003	-0.003	-0.004
03M001<--->	03L001	-0.008	-0.003	-0.003	-0.005	-0.004	-0.005	-0.006	-0.005	-0.004	-0.004	-0.006	-0.005	-0.004	-0.006	-0.005	-0.005
03L001 <--->	04U001	-0.002	0.049	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
03U002<--->	03M002	-0.009	-0.101	-0.010	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.007	-0.007	-0.008	-0.008	-0.008	-0.009	-0.007
03M002<--->	03L002	-0.001	0.163	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
03L002 <--->	04U002	-0.016	-0.012	-0.013	-0.014	-0.014	-0.013	-0.013	-0.014	-0.014	-0.013	-0.015	-0.014	-0.015	-0.016	-0.015	-0.015
03U003<--->	03M003	-0.013	-0.031	-0.016	-0.006	-0.007	-0.008	-0.006	-0.006	-0.005	-0.006	-0.005	-0.005	-0.004	-0.004	-0.003	-0.003
03M003<--->	03L003	-0.018		-0.022	-0.005	-0.008	-0.007	-0.005	-0.006	-0.007	-0.006	-0.006	-0.007	-0.008	-0.010	-0.012	-0.010
03L003 <--->	04U003	-0.031		-0.028	-0.052	-0.047	-0.044	-0.045	-0.043	-0.041	-0.043	-0.042	-0.041	-0.041	-0.049	-0.049	-0.044
04U003<--->	PJ#003	-0.003		-0.004	-0.005	-0.010	-0.004	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.004	-0.006	-0.006	-0.006
03U004<--->	03M004	-0.035		-0.037	-0.035	-0.035	-0.036		-0.035			-0.036		-0.036			-0.036
03M004<--->	03L004	-0.019		-0.019	-0.018	-0.019	-0.019		-0.019			-0.019		-0.019			-0.019
03U005<--->	03M005	0.004		0.003	0.003	0.004	0.004		0.001			-0.000		0.004			0.000
03M005<--->	03L005	-0.006		-0.006	-0.006	-0.006	-0.006		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	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
03M007<--->	03L007	-0.007		-0.007	-0.007	-0.007	-0.007	-0.009	-0.005	-0.007	-0.005	-0.009	-0.007	-0.008	-0.010	-0.010	-0.009
03L007 <--->	04U007	0.002		0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.001	0.002	0.002	0.003	0.002	0.003	0.002
03U010<--->	03M010	-0.001		-0.000	-0.001	0.000						0.000		-0.006			-0.001
03M010<--->	03L010	0.002		-0.001	0.000	-0.001						0.005		0.003			0.000
03U012<--->	03M012	0.000		0.000	0.000	0.000	-0.000	-0.000	0.000	-0.001	0.000	-0.000	-0.000	-0.000	-0.001	-0.000	-0.001
03M012<--->	03L012	-0.003		-0.002	-0.000	-0.002	-0.001	-0.002	-0.003	-0.002	-0.002	-0.003	-0.002	-0.001	-0.000	-0.003	-0.002
03L012 <--->	04U012	-0.002		-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002
03U013<--->	03M013	-0.001		-0.001	-0.000	-0.000	-0.000		0.000			-0.000		0.000			-0.000
03M013<--->	03L013	-0.001		-0.002	-0.002	-0.001	-0.002		-0.001			-0.002		-0.002			-0.001
03U014<--->	03L014	0.001		0.001	0.001	0.001	0.002		0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.003	0.002
03U017<--->	03M017	-0.001		-0.000	-0.001	0.001	-0.001		-0.001			-0.001		-0.001			-0.001
03M017<--->	03L017	-0.001		0.001	0.005	0.000	0.000		0.000			-0.001		-0.001			0.001
03U018<--->	03L018	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003		-0.002			-0.003		-0.014			-0.003
03U020<--->	03M020	-0.002	-0.024	-0.002	0.003	0.000	-0.001	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	-0.002	-0.023	-0.001
03M020<--->	03L020	0.000		-0.001	-0.005	0.000	-0.001	-0.001	0.000	-0.001	0.000	0.000	0.000	0.001	-0.000	0.000	0.000
03L020 <--->	04U020	-0.010		-0.028	-0.010	-0.010	-0.008	-0.008	-0.008	-0.006	-0.008	-0.005	-0.003	-0.006	-0.008	-0.011	-0.008
03U021<--->	03L021	-0.003		-0.003	-0.003	-0.003	-0.003		-0.003			-0.006		-0.003			-0.002
03U027<--->	03L027	-0.001		0.005	-0.001	-0.000	-0.001		-0.001			-0.001		-0.001			-0.001
03L027 <--->	04U027	-0.041		-0.046	-0.042	-0.041	-0.041		-0.041			-0.040		-0.042			-0.043
04U027<--->	PJ#027	-0.000		-0.001	-0.002	-0.001	0.001		-0.000			-0.001		0.000			0.000
03U028<--->	03L028	-0.001		-0.001	-0.001	-0.001	-0.001		-0.001			-0.001		-0.001	0.000	0.000	-0.001
03U029<--->	03L029	0.007		-0.002	0.008												

NEGATIVE VALUES DENOTE DOWNWARD GRADIENTS

VERTICAL HYDRAULIC GRADIENTS

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	10/14/88	12/02/88	01/13/89
03U077 <--->	03L077	-0.001	0.000	-0.008	-0.007	-0.000	-0.008	-0.008	-0.007	-0.008	-0.008	-0.001	0.001	0.000	-0.005	0.000	-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	0.016	0.011	
04U077 <--->	04J077													0.030		0.000	
03U078 <--->	03L078	-0.009	-0.009	0.003	0.006	0.006	0.004	0.003	-0.004	0.000	-0.009	0.000	0.006	0.010	0.005	-0.004	-0.001
03U079 <--->	03L079	0.037	0.037	0.053	0.062	0.053	0.053	0.051	0.048	0.050	0.041	0.051	0.043	0.051	0.053	0.040	0.046
03U084 <--->	03L084								0.008	0.007	0.008	0.003	0.006	0.006	0.006	0.006	
03U113 <--->	03L113								-0.000	-0.000			-0.001	-0.000			-0.000
03U701 <--->	04U701	0.000	0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	0.001	0.001	-0.001	0.000	0.002	0.001
03U702 <--->	04U702	0.005	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	0.004	0.002	0.003	0.004	0.004
04U702 <--->	04J702															0.001	0.000
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	-0.005	-0.004	-0.007
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	-0.002	-0.000	-0.003
03U711 <--->	04U711		-0.006		-0.004	-0.004	-0.004	-0.002	-0.005	-0.005	-0.008	-0.003	-0.020	-0.006	-0.004	-0.003	-0.005
03M713 <--->	04U713															0.027	0.027
04U713 <--->	04J713															-0.026	-0.027
04U714 <--->	04J714															0.003	0.000
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	-0.065	-0.049	-0.052
PD3L3 <--->	PD3U4	0.001	0.000	-0.014	0.001	0.001	0.001	0.001	0.000	0.000	-0.001	-0.000	0.000	0.001	0.001	0.001	-0.056
T2M3 <--->	T2L3	0.019	0.022	-0.002	0.004	-0.003	-0.044	0.029	-0.009	-0.005	-0.023	-0.000	-0.012	-0.015	0.007	-0.012	-0.006
T2L3 <--->	T2U4	-0.055	-0.061	-0.037	-0.048	-0.038	-0.026	-0.042	-0.026	-0.025	-0.032	-0.037	0.134	-0.024	-0.030	-0.037	-0.018
T2U4 <--->	T2PJ	-0.005	-0.004	-0.000	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	-0.003	-0.069	-0.002	-0.002	-0.002	-0.002
T6U3 <--->	T6M3	0.004	0.005	-0.006	-0.001	-0.006	-0.006	0.004	-0.005	-0.005	-0.003	0.005	0.004	-0.005	0.002	0.004	-0.003
T6M3 <--->	T6L3	-0.001	-0.002	-0.001	0.001	-0.001	0.003	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.001
T6L3 <--->	T6U4	-0.007	-0.007	-0.001	-0.006	-0.000	-0.006	-0.005	-0.002	-0.002	-0.003	-0.007	-0.006	-0.002	-0.005	-0.005	-0.002
T6U4 <--->	T6PJ	-0.001	-0.001	0.013	-0.002	0.000	0.000	-0.001	0.000	0.000	-0.001	-0.001	-0.000	0.000	-0.000	0.000	-0.001

NEGATIVE VALUES DENOTE DOWNWARD GRADIENTS

TABLE 17
VERTICAL HYDRAULIC GRADIENTS

WELLS		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	09/27/91	12/06/91	03/24/92	06/01/92	09/01/92	10/08/92
03U077 <--->	03L077	0.011		-0.012	-0.018	-0.012	-0.012		-0.012			-0.012		-0.011			-0.012
03L077 <--->	04U077			0.015	0.003	0.000	0.001		0.001			0.002		-0.001			0.006
04U077 <--->	04J077			-0.043	-0.049	-0.049	-0.042		-0.037			-0.037		-0.042			-0.041
03U078 <--->	03L078	0.001		-0.002	-0.000	0.000	0.005		0.006			0.013		0.015			0.012
03U079 <--->	03L079	0.052		0.050	0.048	0.053	0.055		0.056			0.061		0.017			0.017
03U084 <--->	03L084	0.002		0.004	0.003	0.003	0.003		0.002			0.002		0.002			0.002
03U113 <--->	03L113	-0.000		-0.000	-0.000	-0.000	-0.000		-0.000			-0.000		-0.000			-0.001
03U701 <--->	04U701	-0.003		-0.008	-0.010	-0.010	-0.009		-0.009			-0.009		-0.009			-0.010
03U702 <--->	04U702	-0.002		-0.002	0.002	-0.003	-0.003		-0.004			-0.003		-0.003			-0.004
04U702 <--->	04J702	-0.013		-0.012	-0.032	-0.018	-0.015		-0.014			-0.012		-0.013			-0.016
03U708 <--->	04U708	-0.006		-0.010	-0.008	-0.008	-0.007		-0.007			-0.006		-0.005			-0.007
04U708 <--->	04J708	-0.030		-0.019	-0.021	-0.020	-0.023		-0.022			-0.023		-0.026			-0.026
03U709 <--->	04U709	-0.003	-0.008	-0.010	-0.003	-0.009	-0.009		-0.009			-0.009		-0.009			-0.009
03U711 <--->	04U711	-0.006	0.012	-0.007	-0.006	-0.006	-0.005	0.005	-0.006	-0.006	0.006	0.005	0.005	-4.684	-0.007	-0.007	-0.006
03M713 <--->	04U713	0.028	0.010	0.035	0.032	0.031	0.031	0.031	0.032	0.033	0.036	0.034	0.034	0.036	0.038	0.037	0.035
04U713 <--->	04J713	-0.039	-0.134	-0.049	-0.049	-0.048	-0.045	-0.047	-0.051	-0.052	-0.055	-0.053	-0.053	-0.055	-0.059	-0.058	-0.055
04U714 <--->	04J714	-0.148		-0.003	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.002	-0.003	-0.002	-0.003	-0.001	-0.002	-0.002
PD3U3 <--->	PD3L3	-0.057		-0.063	-0.050	-0.050	-0.043	-0.048	-0.043	-0.038	-0.043	-0.040	-0.035	-0.051	-0.041	-0.042	-0.041
PD3L3 <--->	PD3U4	0.001		0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.016	0.002	0.002	0.002
T2M3 <--->	T2L3	0.040		-0.009	-0.005	-0.005	0.002	0.001	-0.002	0.004	0.003	0.006	0.005	0.007	0.003	0.001	0.005
T2L3 <--->	T2U4	-0.024		-0.011	-0.019	-0.011	-0.006	-0.006	-0.008	-0.005	-0.007	-0.006	-0.006	-0.006	-0.010	-0.011	-0.009
T2U4 <--->	T2PJ	-0.001		0.000	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	-0.005	-0.004	-0.003
T6U3 <--->	T6M3	-0.009	-0.003	-0.010	-0.010	-0.011	-0.011	-0.011	-0.012	-0.012	-0.011	-0.011	-0.011	-0.010	-0.011	-0.011	-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	-0.000	-0.001	-0.000	-0.000
T6L3 <--->	T6U4	-0.003		-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.005	-0.005	-0.005	-0.004
T6U4 <--->	T6PJ	-0.000		0.000	-0.001	-0.001	-0.001	-0.000	-0.000	-0.000	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001

NEGATIVE VALUES DENOTE DOWNWARD GRADIENTS

Table 18

TGRS VOC Mass Loading Summary

TABLE 18

TGRS VOC MASS LOADING SUMMARY
(lbs/day)

Well	% Contribution to VOC Mass Removal	FY 1992 Total Pounds VOC Mass Removal (3 Quarters)
B1	3.5	858
B2	1.3	319
B3	0.1	24
B4	12.8	3,139
B5	27.2	6,671
B6	12.2	2,992
B7	0.05	12
B8	0.37	91
B9	1.7	417
B10	0.1	25
B11	0.03	7
B12	0.02	5
SC1	0.7	172
SC2	5.3	1,300
SC3	0.7	172
SC4	0.03	7
SC5	33.9	8,315

FY 1992 Total	24,527 lbs.
Daily Average	67 lbs/day

TGRS 1991 Total	26,760 lbs.
TGRS 1990 Total	18,005 lbs.
TGRS 1989 Total	19,510 lbs
BGRS 1988 Total	4,800 lbs.
BGRS 1987 Total	2,100 lbs.
Historical Total	92,702 lbs.

Table 19

Historical VOC Concentrations in TGRS Extraction Wells

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS

CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
03F302 (B1)	871117	9.700	0.300	3.800	5.000		< 0.020	51.400	< 0.200	11.300	< 0.200	0.600	1040.000
03F302 (B1)	871215	23.200	0.260	12.300	12.800		< 0.200	177.000	< 0.200	20.800	1.100	1.500	2120.000
03F302 (B1)	880112	23.000	< 4.000	12.000	20.000		< 4.000	182.000	< 4.000	18.000	< 4.000	< 4.000	2580.000
03F302 (B1)	880428	41.000	< 10.000	12.000	14.000		< 10.000	124.000	< 10.000	22.000	< 10.000	< 10.000	2900.000
03F302 (B1)	880719	24.000	0.490	7.500	18.000		< 0.200	234.000	< 0.200	< 0.200	1.200	2.700	4300.000
03F302 (B1)	881021	24.000	< 0.500	10.000	14.000		< 1.000	135.000	< 0.500	0.500	0.660	2.200	4800.000
03F302 (B1)	890316	31.000	< 10.000	< 10.000	11.000		< 10.000	130.000	< 10.000	< 10.000	< 10.000	< 10.000	5800.000
03F302 (B1)	890420	27.000	0.600	14.000	13.000		< 0.200	100.000	< 1.000	0.700	0.700	1.600	4500.000
03F302 (B1)	890719	44.000	< 20.000	22.000	< 20.000		< 20.000	120.000	< 100.000	< 20.000	< 20.000	< 20.000	2700.000
03F302 (B1)	891024	62.000	< 20.000	< 20.000	< 20.000		< 20.000	67.000	< 100.000	< 20.000	< 20.000	< 20.000	2300.000
03F302 (B1)	900118	43.000	< 20.000	< 20.000	< 20.000		< 20.000	91.000	< 100.000	< 20.000	< 20.000	< 20.000	2100.000
03F302 (B1)	900118	56.000	< 20.000	< 20.000	< 20.000		< 20.000	110.000	< 100.000	< 20.000	< 20.000	< 20.000	2700.000
03F302 (B1)	900508	3.600	< 0.500	2.200	2.400		< 0.500	28.000	< 0.500	< 0.500	< 0.500	< 0.500	1300.000
03F302 (B1)	900713	83.000	< 25.000	23.000	18.000		< 5.000	120.000	< 38.000	< 12.000	< 7.500	< 25.000	1900.000
03F302 (B1)	900713	85.000	< 25.000	22.000	18.000		< 5.000	120.000	< 38.000	< 12.000	< 7.500	< 25.000	1900.000
03F302 (B1)	901219	< 1.000	< 1.000	< 1.000	< 0.780	73.000	< 0.500		< 1.900	< 0.720		< 1.000	1800.000
03F302 (B1)	910319	< 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)	910605	< 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)	910905	< 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)	911204	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)	920306	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)	920605	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)	920901	90.000	< 50.000	< 50.000	< 39.000	< 25.000	< 25.000		< 95.000	< 36.000		< 50.000	1000.000
03F303 (B2)	871117	18.100	< 0.200	9.900	9.000		< 0.200	31.500	< 0.200	9.200	< 0.200	6.700	190.000
03F303 (B2)	871215	19.100	< 0.200	8.100	10.200		< 0.200	28.900	< 0.200	8.900	0.300	8.900	282.000
03F303 (B2)	880112	27.000	< 0.200	11.000	17.000		< 0.200	60.000	< 0.200	11.000	< 0.200	15.000	375.000
03F303 (B2)	880428	18.500	< 0.200	8.200	10.300		< 0.200	41.900	< 0.200	< 0.200	< 0.200	10.700	274.000
03F303 (B2)	880719	28.000	< 0.200	5.000	13.000		< 0.200	48.000	< 0.200	< 0.200	< 0.200	18.000	700.000
03F303 (B2)	881021	22.000	< 0.500	5.200	7.600		< 1.000	32.000	< 0.500	< 0.500	< 0.500	14.000	1000.000
03F303 (B2)	890316	< 10.000	< 10.000	< 10.000	< 10.000		< 10.000	< 10.000	< 10.000	61.000	< 10.000	11.000	1200.000
03F303 (B2)	890420	14.000	< 0.200	6.900	5.700		< 0.200	38.000	< 1.000	0.800	0.300	11.000	1100.000
03F303 (B2)	890719	20.000	< 4.000	9.000	6.800		< 4.000	48.000	< 20.000	< 4.000	< 4.000	17.000	860.000

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS

CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
03F303 (B2)	891024	19.000	< 5.000	< 5.000	< 5.000		< 5.000	28.000	< 25.000	< 5.000	< 5.000	12.000	850.000
03F303 (B2)	900118	24.000	< 5.000	6.200	< 5.000		< 5.000	33.000	< 25.000	< 5.000	< 5.000	8.600	650.000
03F303 (B2)	900508	15.000	< 0.500	5.500	4.500		< 0.500	20.000	< 0.500	< 0.500	< 0.500	8.600	700.000
03F303 (B2)	900713	24.000	< 5.000	6.900	5.900		< 1.000	29.000	< 7.500	< 2.500	< 1.500	11.000	510.000
03F303 (B2)	901219	12.000	< 1.000	< 1.000	< 0.780	18.000	< 0.500		< 1.900	< 0.720		< 1.000	320.000
03F303 (B2)	910319	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)	910605	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)	910905	< 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)	911204	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)	920306	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)	920605	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)	920901	32.000	< 20.000	< 20.000	< 15.600	11.000	< 10.000		< 38.000	< 14.400		< 20.000	400.000
03F304 (B3)	871117	< 0.200	< 0.200	< 0.200	< 0.200		< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	5.100
03F304 (B3)	871215	< 0.200	< 0.200	< 0.200	< 0.200		< 0.200	1.110	< 0.200	0.390	< 0.200	< 0.200	8.330
03F304 (B3)	880112	< 0.200	< 0.200	< 0.200	< 0.200		< 0.200	1.100	< 0.200	< 0.200	< 0.200	< 0.200	8.200
03F304 (B3)	880428	0.860	< 0.200	< 0.200	< 0.200		< 0.200	1.160	< 0.200	< 0.200	< 0.200	< 0.200	6.620
03F304 (B3)	880719	< 0.200	< 0.200	< 0.200	< 0.200		< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	9.500
03F304 (B3)	890316	< 1.000	< 1.000	< 1.000	< 1.000		< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	6.000
03F304 (B3)	890420	0.200	< 0.200	< 0.300	0.200		< 0.200	0.500	< 1.000	< 0.200	< 0.200	< 0.200	11.000
03F304 (B3)	890719	< 0.200	< 0.200	0.200	< 0.200		< 1.000	0.400	< 5.000	< 1.000	< 0.200	< 0.200	4.600
03F304 (B3)	891024	0.500	< 0.200	< 0.200	< 0.200		< 0.200	< 0.200	< 1.000	< 0.200	< 0.200	< 0.200	5.400
03F304 (B3)	900118	0.700	0.400	< 0.200	< 0.200		< 0.200	0.400	< 1.000	< 0.200	< 0.200	< 0.200	5.100
03F304 (B3)	900508	1.800	1.300	< 0.500	< 0.500		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	6.700
03F304 (B3)	900713	5.900	1.100	0.400	0.200		< 0.200	< 0.500	< 1.500	< 0.500	< 0.300	< 1.000	7.300
03F304 (B3)	901219	6.440	1.530	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	5.410
03F304 (B3)	910319	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)	910605	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)	910605	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)	910905	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)	911204	12.400	1.710	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.300 R	< 1.000	7.280
03F304 (B3)	920306	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)	[illegible]605	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

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS
CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
03F304 (B3)	920605	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)	920901	21.900	1.740	2.840	1.190	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	6.220
03F304 (B3)	920901	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
03F305 (B4)	871117	17.600	2.400	2.200	2.000		< 0.200	0.800	< 0.200	0.400	< 0.200	0.800	22.900
03F305 (B4)	871215	31.000	3.100	4.100	6.140		< 0.200	1.550	< 0.200	0.470	< 0.200	1.100	54.000
03F305 (B4)	880112	39.000	2.300	3.600	5.500		< 0.200	1.600	< 0.200	0.750	< 0.200	0.860	61.000
03F305 (B4)	880428	34.900	1.860	4.190	2.490		< 0.200	1.380	< 0.200	< 0.200	< 0.200	0.820	26.300
03F305 (B4)	880719	85.000	8.600	2.400	1.800		< 0.200	0.730	< 0.200	< 0.200	< 0.200	6.500	38.000
03F305 (B4)	890316	68.000	1.800	8.200	14.000		1.300	< 1.000	< 1.000	1.900	11.000	2.000	68.000
03F305 (B4)	890420	58.000	1.600	15.000	19.000		< 0.200	3.300	< 1.000	0.400	< 0.200	1.400	100.000
03F305 (B4)	890719	110.000	2.600	49.000	34.000		< 1.000	7.800	< 5.000	< 1.000	< 1.000	1.300	140.000
03F305 (B4)	891023	240.000	< 2.000	77.000	67.000		< 2.000	13.000	< 10.000	< 2.000	< 2.000	< 2.000	430.000
03F305 (B4)	900118	330.000	< 4.000	79.000	110.000		< 4.000	26.000	< 20.000	< 4.000	< 4.000	< 4.000	590.000
03F305 (B4)	900508	460.000	2.300	130.000	100.000		1.500	22.000	< 0.500	1.200	< 0.500	0.600	1200.000
03F305 (B4)	900508	500.000	2.300	140.000	90.000		1.600	23.000	< 0.500	1.200	< 0.500	0.600	1100.000
03F305 (B4)	900713	770.000	< 20.000	210.000	170.000		< 4.000	46.000	< 30.000	< 10.000	< 6.000	< 20.000	1600.000
03F305 (B4)	901219	750.000	< 1.000	120.000	150.000	52.000	< 0.500		< 1.900	< 0.720		< 1.000	1800.000
03F305 (B4)	910319	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)	910319	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)	910605	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)	910905	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)	910905	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)	911204	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)	920306	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)	920605	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)	920901	1300.000	4.380	200.000	210.000	62.000	6.000		< 1.900	2.830		8.520	2800.000
03F306 (B5)	871117	845.000	1.300	130.000	90.000		2.500	17.000	0.200	15.800	< 0.200	0.400	1500.000
03F306 (B5)	871215	1150.000	1.460	48.800	143.000		4.400	27.400	< 0.200	15.300	0.600	0.360	2130.000
03F306 (B5)	880112	1220.000	< 4.000	171.000	185.000		< 4.000	5.700	< 4.000	9.200	< 4.000	< 4.000	2420.000
03F306 (B5)	880428	100.000	< 0.200	160.000	120.000		< 0.200	38.000	< 0.200	< 0.200	< 0.200	< 0.200	530.000
03F306 (B5)	880719	1500.000	3.800	135.000	236.000		8.000	34.000	< 0.200	< 0.200	< 0.200	< 0.200	2920.000

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS

CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
03F306 (B5)	881021	475.000	2.000	90.000	55.000		< 1.000	25.000	< 0.500	2.000	< 0.500	1.100	1400.000
03F306 (B5)	890316	1200.000	< 10.000	170.000	150.000		< 10.000	33.000	< 10.000	< 10.000	< 10.000	< 10.000	2800.000
03F306 (B5)	890420	1400.000	1.000	330.000	200.000		3.100	100.000	1.300	0.900	0.400	0.800	2700.000
03F306 (B5)	890719	800.000	< 5.000	300.000	130.000		< 5.000	30.000	< 25.000	< 5.000	< 5.000	< 5.000	2200.000
03F306 (B5)	891023	940.000	< 20.000	290.000	130.000		< 20.000	< 20.000	< 100.000	< 20.000	< 20.000	< 20.000	2700.000
03F306 (B5)	900118	1200.000	< 40.000	220.000	170.000		< 40.000	< 40.000	< 200.000	< 40.000	< 40.000	< 40.000	3300.000
03F306 (B5)	900508	1100.000	2.400	250.000	120.000		3.300	33.000	< 0.500	2.200	< 0.500	1.400	4200.000
03F306 (B5)	900713	1400.000	< 50.000	350.000	200.000		< 10.000	32.000	< 75.000	< 25.000	< 15.000	< 50.000	4900.000
03F306 (B5)	900713	1500.000	< 50.000	340.000	190.000		< 10.000	33.000	< 75.000	< 25.000	< 15.000	< 50.000	4700.000
03F306 (B5)	901219	1400.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	6400.000
03F306 (B5)	910319	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)	910605	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)	910905	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)	911204	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)	920306	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)	920605	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)	920901	1900.000	10.200	200.000	95.000	28.400	< 0.500		< 1.900	3.280		17.200	7500.000
03F307 (B6)	871117	480.000	3.000	60.000	48.000		< 0.200	18.000	< 0.200	< 0.200	< 0.200	3.000	2370.000
03F307 (B6)	871215	90.800	1.800	110.000	45.000		4.100	16.300	< 0.200	13.100	0.400	1.700	3270.000
03F307 (B6)	880112	786.000	< 4.000	61.400	103.000		< 4.000	27.000	< 4.000	131.000	< 4.000	< 4.000	3300.000
03F307 (B6)	880428	550.000	< 4.000	100.000	75.000		< 4.000	31.000	< 4.000	< 4.000	< 4.000	< 4.000	3400.000
03F307 (B6)	880719	887.000	2.000	76.000	66.000		5.000	22.000	< 0.200	< 0.200	< 0.200	2.300	2860.000
03F307 (B6)	881021	400.000	1.200	55.000	70.000		3.200	18.000	< 0.500	2.000	< 0.500	1.500	3200.000
03F307 (B6)	890316	900.000	< 10.000	64.000	98.000		< 10.000	59.000	< 10.000	< 10.000	< 10.000	< 10.000	4170.000
03F307 (B6)	890420	530.000	2.000	150.000	83.000		3.900	23.000	1.000	0.600	0.200	2.200	3600.000
03F307 (B6)	890719	620.000	< 4.000	210.000	100.000		< 4.000	25.000	< 20.000	< 4.000	< 4.000	< 4.000	2400.000
03F307 (B6)	890719	640.000	< 4.000	200.000	100.000		< 4.000	25.000	< 20.000	< 4.000	< 4.000	< 4.000	2400.000
03F307 (B6)	891023	590.000	< 20.000	170.000	82.000		< 20.000	< 20.000	< 100.000	< 20.000	< 20.000	< 20.000	3300.000
03F307 (B6)	900119	570.000	< 20.000	91.000	110.000		< 20.000	20.000	< 100.000	< 20.000	< 20.000	< 20.000	2700.000
03F307 (B6)	900508	550.000	2.300	130.000	80.000		3.400	22.000	< 0.500	1.200	< 0.500	1.500	3200.000
03F307 (B6)	900713	570.000	< 50.000	160.000	130.000		< 10.000	< 25.000	< 75.000	< 25.000	< 15.000	< 50.000	2800.000
03F307 (B6)	901219	1400.000	1000.000	900.000	110.000	< 0.500	480.000		< 1.900	< 0.720		< 1.000	2900.000

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS

CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
03F307 (B6)	901219	410.000	1100.000	< 1.000	120.000	550.000	480.000		< 1.900	< 0.720		1100.000	3400.000
03F307 (B6)	901219	1500.000	< 1.000	910.000	110.000	580.000	< 0.500		< 1.900	< 0.720		1100.000	3500.000
03F307 (B6)	910319	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)	910606	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)	910905	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)	911204	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)	920306	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)	920306	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)	920605	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)	920901	410.000	< 50.000	65.000	80.000	< 25.000	< 25.000		< 95.000	< 36.000		< 50.000	2400.000
03F308 (B7)	890316	15.000	< 5.000	< 5.000	< 5.000		< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	75.000
03F308 (B7)	890420	5.000	< 0.200	< 1.700	1.300		< 0.200	0.300	< 1.000	< 0.200	< 0.200	< 0.200	44.000
03F308 (B7)	890719	4.500	< 0.200	1.400	0.800		< 0.200	0.300	< 1.000	< 0.200	< 0.200	< 0.200	29.000
03F308 (B7)	891023	5.300	< 0.200	1.100	0.800		< 0.200	< 0.200	< 1.000	< 0.200	< 0.200	< 0.200	32.000
03F308 (B7)	900119	4.000	< 0.200	0.500	0.700		< 0.200	< 0.200	< 1.000	< 0.200	< 0.200	< 0.200	22.000
03F308 (B7)	900508	2.400	< 0.500	< 0.500	< 0.500		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	23.000
03F308 (B7)	900713	2.900	< 1.000	0.300	0.400		< 0.200	< 0.500	< 1.500	< 0.500	< 0.300	< 1.000	20.000
03F308 (B7)	901219	1.380	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	16.300
03F308 (B7)	901219	1.390	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	17.400
03F308 (B7)	910319	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)	910606	< 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)	910905	< 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)	911204	< 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)	920306	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720	< 0.500 R	< 1.000	11.000
03F308 (B7)	920605	< 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)	920901	1.790	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	8.570
PJ#309 (B8)	881118	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)	890316	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)	890420	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)	890719	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)	891023	68.000	< 2.000	21.000	28.000		< 2.000	4.100	< 10.000	< 2.000	< 2.000	< 2.000	270.000

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS

CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
PJ#309 (B8)	900118	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)	900508	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)	900713	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)	901219	36.000	< 1.000	< 1.000	18.000	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	220.000
PJ#309 (B8)	910319	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)	910605	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)	910905	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)	911204	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)	920306	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)	920605	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)	920901	27.300	< 1.000	5.690	9.730	2.040	< 0.500		< 1.900	< 0.720		< 1.000	150.000
PJ#310 (B9)	890316	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)	890420	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)	890719	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)	891011	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)	900119	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)	900508	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)	900713	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)	901219	160.000	< 1.000	27.000	34.000	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	610.000
PJ#310 (B9)	910319	160.000	< 20.000	26.000	25.000	< 10.000	< 10.000		< 38.000	< 14.000	< 6.000 T	< 20.000	580.000
PJ#310 (B9)	910606	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)	910905	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)	911204	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)	920306	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)	920605	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)	920901	220.000	< 50.000	< 50.000	< 39.000	< 25.000	< 25.000		< 95.000	< 36.000		< 50.000	650.000
PJ#311 (B10)	890316	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)	890420	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)	890719	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)	891024	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)	[illegible]19	13.000	< 0.400	1.400	0.900		0.400	< 0.400	< 2.000	< 0.400	< 0.400	< 0.400	47.000

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS

CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
PJ#311 (B10)	900508	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)	900713	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)	901219	5.810	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	30.900
PJ#311 (B10)	910319	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)	910606	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)	910606	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)	910905	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)	911204	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)	920306	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)	920605	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)	920901	5.430	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	19.500
03F312 (B11)	881219	< 0.000	< 0.000	< 0.000	< 0.000		< 0.000	< 0.000	< 0.000	< 0.000	< 0.000	< 0.000	< 0.000
03F312 (B11)	890316	< 1.000	< 1.000	< 1.000	< 1.000		< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	1.300
03F312 (B11)	890420	1.700	< 0.200	< 0.600	0.800		< 0.200	0.300	< 1.000	< 0.200	< 0.200	< 0.200	5.000
03F312 (B11)	890719	3.600	< 0.200	1.900	2.800		< 0.200	0.800	< 1.000	< 0.200	< 0.200	< 0.200	10.000
03F312 (B11)	891024	3.700	< 0.200	2.100	3.700		< 0.200	1.700	< 1.000	< 0.200	< 0.200	< 0.200	31.000
03F312 (B11)	900118	3.200	< 0.200	2.100	4.300		< 0.200	2.300	< 1.000	< 0.200	< 0.200	< 0.200	26.000
03F312 (B11)	900508	1.200	< 0.500	1.200	2.400		< 0.500	1.100	< 0.500	< 0.500	< 0.500	< 0.500	22.000
03F312 (B11)	900713	2.200	< 1.000	2.700	4.500		< 0.200	2.500	< 1.500	< 0.500	< 0.300	< 1.000	20.000
03F312 (B11)	901219	< 1.000	< 1.000	1.190	2.590	1.540	< 0.500		< 1.900	< 0.720		< 1.000	17.900
03F312 (B11)	910319	< 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)	910605	< 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)	910905	< 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)	910905	< 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)	911204	< 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)	920306	< 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)	920306	< 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)	920605	< 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)	920901	1.080	< 1.000	< 1.000	1.570	0.863	< 0.500		< 1.900	< 0.720	< 0.300 T	< 1.000	20.600
PJ#313 (B12)	890316	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)	890420	2.900	< 0.200	< 1.000	0.900		< 0.200	< 0.200	< 1.000	< 0.200	< 0.200	< 0.200	27.000

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS

CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
PJ#313 (B12)	890719	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)	891023	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)	900119	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)	900508	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)	900713	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)	901219	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	10.300
PJ#313 (B12)	910319	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)	910605	< 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)	911204	< 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)	911204	< 1.000 D	< 1.000 D	< 1.000 D	< 0.780	< 0.500	< 0.500 D		< 1.900 D	< 0.720 D	< 0.300 R	< 1.000 D	7.640
PJ#313 (B12)	920306	< 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)	920605	< 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)	920901	1.860	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	5.690
03U301 (SC1)	890316	88.000	< 1.000	11.000	7.600		< 1.000	225.000	< 1.000	< 5.000	4.700	< 1.000	2750.000
03U301 (SC1)	890420	25.000	0.300	18.000	4.000		< 0.200	160.000	< 1.000	0.400	1.100	0.600	1100.000
03U301 (SC1)	890719	61.000	< 5.000	18.000	< 5.000		< 5.000	160.000	< 25.000	< 5.000	< 5.000	< 5.000	1100.000
03U301 (SC1)	891024	120.000	< 40.000	< 40.000	< 40.000		< 40.000	200.000	< 200.000	< 40.000	< 40.000	< 40.000	3000.000
03U301 (SC1)	900118	99.000	< 10.000	< 10.000	< 10.000		< 10.000	160.000	< 50.000	< 10.000	< 10.000	< 10.000	1700.000
03U301 (SC1)	900508	2.200	< 0.500	< 0.500	< 0.500		< 0.500	4.600	< 0.500	< 0.500	< 0.500	< 0.500	57.000
03U301 (SC1)	900713	62.000	< 20.000	8.200	< 4.000		< 4.000	99.000	< 30.000	< 10.000	< 6.000	< 20.000	1200.000
03U301 (SC1)	901219	< 1.000	< 1.000	< 1.000	< 0.780	86.000	< 0.500		< 1.900	< 0.720		< 1.000	1300.000
03U301 (SC1)	910319	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)	910604	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)	910905	< 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)	910905	< 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)	911204	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)	920306	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)	920306									< 36.000			
03U301 (SC1)	920605	< 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)	920901	190.000	< 100.000	< 100.000	< 78.000	69.000	< 50.000		< 190.000	< 72.000	< 30.000 T	< 100.000	1400.000
03U314 (SC2)	[illegible]05	10500.000	19.000	850.000	3600.000		59.000	4700.000	16.000	10.000	12.000	< 1.000	37000.000

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS

CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
03U314 (SC2)	890316	5000.000	< 10.000	370.000	950.000		< 10.000	1000.000	< 10.000	< 10.000	< 100.000	< 10.000	12000.000
03U314 (SC2)	890420	3400.000	8.300	630.000	530.000		19.000	610.000	3.500	1.700	2.400	3.000	11000.000
03U314 (SC2)	890719	3500.000	< 40.000	870.000	510.000		< 40.000	730.000	< 200.000	< 40.000	< 40.000	< 40.000	8900.000
03U314 (SC2)	891024	3500.000	< 100.000	< 100.000	< 100.000		< 100.000	< 100.000	< 500.000	< 100.000	< 100.000	< 100.000	8600.000
03U314 (SC2)	900119	2700.000	< 50.000	190.000	410.000		< 50.000	540.000	< 250.000	< 50.000	< 50.000	< 50.000	6500.000
03U314 (SC2)	900508	2200.000	4.800	350.000	300.000		8.400	340.000	< 0.500	3.300	1.400	1.600	6500.000
03U314 (SC2)	900719	2500.000	< 100.000	300.000	360.000		< 20.000	460.000	< 150.000	< 50.000	< 30.000	< 100.000	6300.000
03U314 (SC2)	901219	2100.000	< 1.000	< 1.000	270.000	310.000	< 0.500		< 1.900	< 0.720		< 1.000	6200.000
03U314 (SC2)	910319	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)	910319	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)	910605	2300.000	< 200.000	< 200.000	190.000	200.000	< 100.000		< 380.000	< 140.000	< 60.000 T	< 200.000	6000.000
03U314 (SC2)	910905	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)	911204	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)	911204	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)	920306	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)	920605	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)	920901	2000.000	< 200.000	< 200.000	< 160.000	< 100.000	< 100.000		< 380.000	< 140.000	< 60.000 T	< 200.000	4900.000
03U315 (SC3)	890105	65.000	< 1.000	5.600	5.600		< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	58.000
03U315 (SC3)	890316	610.000	< 10.000	58.000	44.000		32.000	< 10.000	< 10.000	11.000	< 10.000	< 10.000	870.000
03U315 (SC3)	890420	490.000	< 0.200	100.000	45.000		< 0.200	< 0.200	< 1.000	0.900	< 0.200	< 0.200	1300.000
03U315 (SC3)	890719	620.000	< 4.000	150.000	51.000		< 4.000	15.000	< 20.000	< 4.000	< 4.000	< 4.000	940.000
03U315 (SC3)	891024	890.000	< 10.000	160.000	58.000		< 10.000	< 10.000	< 50.000	< 10.000	< 10.000	< 10.000	1700.000
03U315 (SC3)	900119	1000.000	< 20.000	75.000	95.000		< 20.000	37.000	< 100.000	< 20.000	< 20.000	< 20.000	2100.000
03U315 (SC3)	900508	850.000	< 0.500	60.000	57.000		< 0.500	29.000	< 0.500	0.800	< 0.500	< 0.500	2000.000
03U315 (SC3)	900508	850.000	< 0.500	65.000	64.000		< 0.500	30.000	< 0.500	0.800	< 0.500	< 0.500	2100.000
03U315 (SC3)	900713	1100.000	< 20.000	130.000	94.000		< 4.000	39.000	< 30.000	< 10.000	< 6.000	< 20.000	2100.000
03U315 (SC3)	901219	490.000	< 1.000	< 1.000	51.000	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	1300.000
03U315 (SC3)	910319	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)	910605	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)	910905	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)	911204	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)	920306	130.000	< 10.000	< 10.000	10.000	< 5.000	< 5.000		< 19.000	< 7.200	< 5.000 R	< 10.000	330.000

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS

CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
03U315 (SC3)	920605	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)	920901	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)	920901	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
03U316 (SC4)	890105	14.000	< 1.000	1.600	3.500		< 1.000	< 1.000	< 1.000	1.300	< 1.000	< 1.000	< 1.000
03U316 (SC4)	890316	31.000	< 1.000	3.200	1.700		< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	2.900
03U316 (SC4)	890420	28.000	< 0.200	4.900	2.500		< 0.200	< 0.200	< 1.000	1.700	< 0.200	< 0.200	4.900
03U316 (SC4)	890719	29.000	< 0.200	9.200	2.100		< 0.200	< 0.200	< 1.000	2.000	< 0.200	< 0.200	4.200
03U316 (SC4)	891024	35.000	< 0.400	8.700	3.000		< 0.400	< 0.400	< 2.000	0.900	< 0.400	< 0.400	5.500
03U316 (SC4)	900119	27.000	< 0.200	4.800	5.000		< 0.200	< 0.200	< 1.000	2.600	< 0.200	< 0.200	9.000
03U316 (SC4)	900119	29.000	< 0.200	6.100	4.200		< 0.200	< 0.200	< 1.000	2.800	< 0.200	< 0.200	10.000
03U316 (SC4)	900508	32.000	< 0.500	4.200	2.700		< 0.500	< 0.500	< 0.500	2.600	< 0.500	< 0.500	12.000
03U316 (SC4)	900713	38.000	< 1.000	7.400	4.400		< 0.200	< 0.500	< 1.500	4.200	< 0.300	< 1.000	14.000
03U316 (SC4)	901219	30.200	< 1.000	3.260	3.020	< 0.500	< 0.500		< 1.900	3.460		< 1.000	14.900
03U316 (SC4)	910319	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)	910604	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)	910905	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)	911204	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)	920306	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)	920605	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)	920605	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)	920901	22.900	< 1.000	3.970	3.120	< 0.500	< 0.500		< 1.900	4.470	< 0.300 T	< 1.000	20.800
03U317 (SC5)	890105	< 1.000	< 1.000	< 1.000	< 1.000		< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
03U317 (SC5)	890316	1100.000	< 10.000	66.000	19.000		24.000	19.000	< 10.000	< 10.000	< 10.000	< 10.000	3200.000
03U317 (SC5)	890420	2800.000	< 0.200	660.000	27.000		4.200	27.000	< 1.000	1.300	< 0.200	13.000	13000.000
03U317 (SC5)	890719	5800.000	< 20.000	1200.000	47.000		< 20.000	66.000	< 100.000	< 20.000	< 20.000	< 20.000	12000.000
03U317 (SC5)	891023	6800.000	< 200.000	760.000	< 200.000		< 200.000	< 200.000	<1000.000	< 200.000	< 200.000	< 200.000	19000.000
03U317 (SC5)	891023	7000.000	< 200.000	750.000	< 200.000		< 200.000	< 200.000	<1000.000	< 200.000	< 200.000	< 200.000	18000.000
03U317 (SC5)	900119	7300.000	< 200.000	< 200.000	< 200.000		< 200.000	< 200.000	<1000.000	< 200.000	< 200.000	< 200.000	21000.000
03U317 (SC5)	900508	5200.000	9.800	210.000	53.000		10.000	60.000	< 0.500	5.900	< 0.500	18.000	18000.000
03U317 (SC5)	900713	7500.000	< 200.000	720.000	70.000		< 40.000	100.000	< 300.000	< 100.000	< 60.000	< 200.000	15000.000
03U317 (SC5)	901219	5000.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	17000.000

TABLE 19
HISTORICAL VOC CONCENTRATIONS IN TGRS EXTRACTION WELLS

CONCENTRATION UNITS: UG/L

WELL	DATE	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C12DCE	C2H3CL	CHCL3	T12DCE	TCLEE	TRCLE
03U317 (SC5)	901219	5300.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500		< 1.900	< 0.720		< 1.000	18000.000
03U317 (SC5)	910319	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)	910604	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)	910905	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)	911204	5700.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000		< 950.000	< 360.000	< 150.000 R	< 500.000	18000.000
03U317 (SC5)	920306	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)	920605	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)	920901	6700.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000		< 950.000	< 360.000	< 150.000 T	< 500.000	19000.000

Note: D - Duplicate sample or Test Name
T - Analyzed for but not detected
R - Analyte required for reporting purposes but not currently certified

Table 20

1992 Sampling Summary (μg/l)
TGRS Treatment System

TABLE 20

1992 SAMPLING SUMMARY (µg/l)
TGRS TREATMENT SYSTEM

Compound	Average Influent	Range Influent	Average Effluent	Range Effluent
Vinyl Chloride	-	-	BD	BD
1,1-dichloroethene	25.87	BD - 92	BD	BD
Trans-1,2-dichloroethene	BD	BD	BD	BD
1,1-dichloroethane	16.77	BD - 45.0	BD	BD
Cis-1,2-dichloroethene	-	-	BD	BD
Chloroform	BD	BD - 1.4	BD	BD
1,1,1-trichloroethane	407.08	210 - 560	BD	BD
1,2-dichloroethane	BD	BD - 2.03	BD	BD
Trichloroethene	1,637	1200 - 1900	0.62	BD - 1.30
1,1,2-trichloroethane	BD	BD - 1.89	BD	BD
Tetrachloroethene	BD	BD - 2.65	BD	BD

Note:

BD - Below Detection Limits. BD assumed zero for averaging purposes.
Concentration Units: µg/l.

Table 21

Historical Metals and Cyanide Concentrations for TGRS Treatment System

TABLE 21
HISTORICAL METALS AND CYANIDE CONCENTRATIONS FOR TGRS TREATMENT SYSTEM

CONCENTRATION: UG/L

WELL	DATE	AS	BA	CD	CR	CU	CYN	HG	NI	PB	ZN
TGRSE	871111	< 1.000	69.000	< 5.000	< 10.000	< 25.000		< 0.400	< 40.000	4.000	33.000
TGRSE	871201	1.000	297.000	< 5.000	< 10.000	< 25.000		< 0.400	< 40.000	11.000	17.100
TGRSE	871229	< 1.000	72.000	< 5.000	< 10.000	< 25.000	< 5.000	2.800	< 40.000	< 3.000	39.000
TGRSE	880119	1.000	250.000	< 5.000	< 10.000	105.000	< 5.000	< 0.400	< 40.000	13.000	170.000
TGRSE	880428	7.600	310.000	< 5.000	< 10.000	54.000	< 5.000	< 0.400	139.000	14.000	200.000
TGRSE	880524	0.110	364.000	< 5.000	< 10.000	35.000	< 23.000	< 0.400	< 40.000	15.000	291.000
TGRSE	880622	11.000	466.000	12.000	28.000	97.000	< 5.000	< 0.400	42.000	26.000	339.000
TGRSE	880719	2.000	63.000	< 5.000	< 10.000	25.000	< 5.000	< 0.400	< 40.000	4.000	58.000
TGRSE	880825	4.000	123.000	< 5.000	< 10.000	117.000	< 5.000	< 0.400	40.000	8.000	88.000
TGRSE	880921	2.000	138.000	< 5.000	< 10.000	124.000	< 5.000	< 0.400	< 40.000	13.000	80.000
TGRSE	881024	1.000	89.000	< 5.000	< 10.000	< 25.000	< 5.000	< 0.400	< 40.000	5.000	26.000
TGRSE	890420	3.000	300.000	0.300	1.000	80.000	< 10.000	< 0.200	< 50.000	2.000	130.000
TGRSE	890719	< 2.000	500.000	0.200	2.000	10.000	< 10.000	< 0.200	< 50.000	1.000	190.000
TGRSE	890719	< 2.000	200.000	0.200	8.000	20.000		< 0.200	< 50.000	< 1.000	140.000
TGRSE	891012	< 50.000	570.000	< 8.000	< 9.000	140.000	< 10.000	< 0.200	< 16.000	2.000	390.000
TGRSE	900119	< 5.000	600.000	< 8.000	< 9.000	47.000	< 10.000	< 0.200	< 16.000	3.000	< 360.000
TGRSE	900410	< 2.000	300.000	< 10.000	< 100.000	50.000	< 17.000	< 0.200	< 50.000	1.000	< 130.000
TGRSE	900508	< 0.000	70.000	< 10.000	< 10.000	< 10.000	< 10.000	< 0.000	< 20.000	< 0.000	< 10.000
TGRSE	900713	< 0.000	< 200.000	< 10.000	< 100.000	40.000	20.000	< 0.000	< 50.000	< 100.000	720.000
TGRSE	900814	< 0.000	600.000	0.300	< 0.000	180.000	< 10.000	< 0.000	< 50.000	20.000	390.000
TGRSE	900912	< 2.000	530.000	0.100	2.000	89.000	< 10.000	< 0.200	< 21.000	< 1.000	< 320.000
TGRSE	901015	< 6.010	1800.000	< 0.370	< 2.500	12.400		< 0.740	< 5.320	< 1.260	68.000
TGRSE	901113	< 6.010	150.000	< 0.370	< 2.500	< 1.560		< 0.740	< 5.320	< 1.260	< 25.000
TGRSE	901211	< 6.010	130.000	< 0.370	< 2.500	< 1.560		< 0.740	< 5.320	< 1.260	< 25.000
TGRSE	910111	< 6.010	105.000	< 0.370	< 15.000	5.230		< 0.740	< 5.320	< 1.260	31.500
TGRSE	910111		120.000	< 5.000	< 2.500	< 20.000			< 63.100	< 100.000	
TGRSE	910213		157.000	< 5.000	< 15.000	37.100		< 0.740	< 5.320	< 1.260	53.900
TGRSE	910219	< 6.010									
TGRSE	910319	< 6.010	415.000	< 5.000	< 15.000	113.000	< 8.170	< 0.740	< 5.320	< 100.000	164.000
TGRSE	910319								< 63.100	< 1.260	
TGRSE	910410	< 6.010	141.000	< 5.000	< 15.000	29.100	< 8.170		< 5.320	1.510	311.000
TGRSE	910507	< 6.010	103.000	< 5.000	< 15.000	< 20.000	< 8.170		< 5.320	< 1.260	21.400
TGRSE	910604	< 6.010	92.700	< 5.000	< 15.000	< 20.000	< 8.170	< 0.740	< 63.100	< 100.000	13.200

TABLE 21
HISTORICAL METALS AND CYANIDE CONCENTRATIONS FOR TGRS TREATMENT SYSTEM

CONCENTRATION: UG/L

WELL	DATE	AS	BA	CD	CR	CU	CYN	HG	NI	PB	ZN
TGRSE	910604								< 5.320	< 1.260	
TGRSE	910702	< 6.010	215.000	< 5.000	< 15.000	35.100	< 8.170	< 0.740	< 63.100	< 100.000	381.000
TGRSE	910702								< 5.320	< 1.260	
TGRSE	910806	< 6.010	109.000	< 5.000	< 15.000	< 20.000	< 8.170	< 0.740	< 63.100	< 100.000	856.000
TGRSE	910806						< 8.170 D			< 1.260	
TGRSE	910905	< 6.010	101.000	< 5.000	< 15.000	< 20.000	< 8.170	< 0.740	< 63.100	< 100.000	31.500
TGRSE	910905								< 5.320	< 1.260	
TGRSE	911001	< 6.010	116.000	< 5.000	< 15.000	< 20.000	< 8.170	< 0.740	< 63.100	< 1.260	124.000
TGRSE	911001								< 5.320	< 100.000	
TGRSE	911104								< 5.320		
TGRSE	911105	< 6.010		< 5.000	< 15.000	65.300	< 8.170	< 0.740		< 1.260	144.000
TGRSE	911105						< 8.170 D				
TGRSE	911204	< 6.010		< 5.000	< 15.000	35.100	10.300	< 0.740	< 5.320	< 1.260	111.000
TGRSE	920107	< 6.010						< 0.740	< 5.320	< 1.260	
TGRSE	920109			< 5.000	< 15.000	< 20.000					19.300
TGRSE	920204	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740	< 5.320	< 1.260	19.300
TGRSE	920303	< 6.010	96.800	< 5.000	< 15.000	< 20.000	< 8.170	< 0.740	< 63.100	< 100.000	29.500
TGRSE	920303								< 5.320	< 1.260	
TGRSE	920407	< 6.010		< 3.380	< 142.000	< 138.000		< 0.740	< 5.320	< 1.260	19.400
TGRSE	920505	< 6.010		< 5.000	< 15.000	25.100		< 0.740	< 5.320	1.540	63.100
TGRSE	920602	< 6.010		< 5.000	< 15.000	32.100		< 0.740	< 5.320	< 1.260	101.000
TGRSE	920707			< 5.000	< 15.000	< 20.000			< 5.320	< 1.260	33.600
TGRSE	920716									< 1.260	
TGRSE	920716									< 1.260 D	
TGRSE	920721									< 1.260	
TGRSE	920804	< 6.010						< 0.740		< 1.260	
TGRSE	920901	< 6.010						< 0.740		< 1.260	

NOTE: D - Duplicate Sample or Test Name

Table 22

Total Phosphorus and Ortho Phosphate Concentrations

TABLE 22
TOTAL PHOSPHORUS AND ORTHO PHOSPHATE CONCENTRATIONS

CONCENTRATION UNITS: UG/L

LOCATION	*DATE*	*ORTHO PHOSPHATE*	*TOTAL PHOSPHORUS*
TGRSE	870112	48.000	107.000
TGRSE	870112	45.000	106.000
TGRSE	871117	37.000	60.000
TGRSE	871208	34.000	
TGRSE	871209		47.000
TGRSE	880428		1560.000
TGRSE	880503	38.000	
TGRSE	880524	38.000	624.000
TGRSE	880622	30.000	1840.000
TGRSE	880719	47.000	67.000
TGRSE	880825	41.000	338.000
TGRSE	880921	29.000	70.000
TGRSE	881024	32.000	54.000
TGRSE	890420	40.000	510.000
TGRSE	890523	20.000	110.000
TGRSE	890613	50.000	190.000
TGRSE	890719	40.000	50.000
TGRSE	890719	40.000	210.000
TGRSE	890815	40.000	220.000
TGRSE	890912	< 20.000	290.000
TGRSE	891012	50.000	120.000
TGRSE	891114	50.000	90.000
TGRSE	891212	880.000	960.000
TGRSE	900119	50.000	140.000
TGRSE	900213	0.080	0.070
TGRSE	900313	0.080	0.170
TGRSE	900410	100.000	190.000
TGRSE	900508	50.000	50.000
TGRSE	900508	90.000	80.000
TGRSE	900612	120.000	120.000
TGRSE	900713	40.000	220.000
TGRSE	900814	40.000	120.000
TGRSE	900912	70.000	120.000
TGRSE	901113		76.600
TGRSE	901211	180.000	
TGRSE	901214		180.000
TGRSE	910111	34.700	75.800
TGRSE	910213	26.800	43.500
TGRSE	910319		530.000
TGRSE	910326	33.800	
TGRSE	910410	26.000	78.600
TGRSE	910507	32.800	74.500
TGRSE	910604	26.700	35.100
TGRSE	910702		61.400

TABLE 22
TOTAL PHOSPHORUS AND ORTHO PHOSPHATE CONCENTRATIONS

CONCENTRATION UNITS: UG/L

LOCATION	*DATE*	*ORTHO PHOSPHATE*		*TOTAL PHOSPHORUS*	
TGRSE	910806	<	10.300	56.900	
TGRSE	910808		68.400		
TGRSE	910905		35.200	36.500	
TGRSE	911001		36.000	68.600	
TGRSE	911104		29.500	1500.000	
TGRSE	911104			1000.000	
TGRSE	911204		29.600	42.800	
TGRSE	920107		34.400	53.200	
TGRSE	920204		41.200	63.400	
TGRSE	920303		37.400	33.600	
TGRSE	920407		41.800	240.000	L
TGRSE	920505		31.400	50.700	
TGRSE	920602		35.200	190.000	
TGRSE	920707		33.500	83.600	
TGRSE	920804		54.400	110.000	L
TGRSE	920901		31.100	58.000	L

Note: L - Missed holding time for analysis

Table 23

Target Volatile Organic Compounds
Building 103 VOC Remediation

TABLE 23

TARGET VOLATILE ORGANIC COMPOUNDS
BUILDING 103 VOC REMEDIATION

1. trans-1,2-dichloroethylene
2. trichloroethylene
3. 1,1-dichloroethylene
4. 1,1-dichloroethane
5. chloroform
6. 1,1,1-trichloroethane
7. tetrachloroethylene
8. cis-1,2-dichloroethylene
9 vinyl chloride
10. 1,2-dichloroethane
11. 1,1,2-trichloroethane
12. carbon tetrachloride
13. methylene chloride
14. 1,2-dichloroethene

Table 24

Effluent Target Compounds
Building 103 VOC Remediation

TABLE 24

EFFLUENT TARGET COMPOUNDS
BUILDING 103 VOC REMEDIATION

Monthly

Total Phosphorus
Ortho Phosphate

pH

Quarterly

METALS:

Chromium
Copper
Lead
Zinc

Annually

Hazardous Substance List

VOCs
Semi-Volatiles
Metals
PCB/Pesticides

Table 25

Building 103,TCAAP
Groundwater Elevations

TABLE 25
BUILDING 103, TCAAP
GROUNDWATER ELEVATIONS

WELL ID	12/06/88	03/29/89	06/07/89	09/08/89	11/21/89	01/03/90	05/07/90	07/03/90	10/02/90	3/06/91	6/04/91	9/03/91	12/06/91
01U047										873.12	875.51	873.97	875.34
01U048										873.13	875.89	874.38	875.45
01U052										873.11	876.04	874.91	875.65
01U065										872.83	874.60	873.84	874.25
01U128										872.80	876.35	874.17	875.56
01U601	883.72	884.01	883.78	883.78		882.77	883.62	884.09	883.73	883.13	884.95	883.89	884.65
01U602										883.31	883.91	883.42	883.83
01U603	875.93	875.74	877.24	878.05		876.22	877.47	878.48	877.78	876.28	878.99	877.34	878.27
01U604	875.03	874.38	876.00	876.98		876.04	876.24	877.12	876.88	876.14	877.90	876.38	877.58
01U605	875.86	DRY	877.32	876.91		DRY	876.32	878.51	877.54	DRY	878.95	877.68	878.02
01U607	885.06	886.88	884.58	885.79		882.19	885.13	885.21	883.96	883.47	886.22	884.65	885.69
01U608										883.20	884.06	883.35	884.21
01U609	882.82	882.50	882.98	883.00		882.27	N/A	883.26	883.21	882.37	883.77	883.42	883.97
01U611	883.36	882.45	N/M	N/M		889.29	883.20	883.81	883.47	882.92	884.47	883.65	884.34
01U612	876.94	DRY	N/M	877.16		DRY	877.16	877.62	877.12	DRY	878.20	877.19	878.00
01U613	N/M	885.31	N/M	884.48		881.86	883.68	884.22	883.24	882.55	884.76	884.50	884.33
01U615	874.38	874.13	874.90	876.48		874.47	874.65	876.05	876.45	874.58	877.31	875.82	877.36
01U616	876.83	876.68	878.20	879.23		876.71	876.93	878.60	879.19	876.65	879.69	878.52	879.71
01U617	874.97	874.46	875.79	876.88		874.95	875.44	877.00	877.04	875.24	878.00	876.57	877.72
01U618	874.30	874.01	875.55	876.66		874.02	874.33	876.38	876.66	873.97	877.76	877.81	879.08
01U619	882.39	882.33	883.00	882.90		881.28	881.99	883.17	882.99	881.30	884.41	882.89	883.84
01U620	878.95	875.84	877.27	878.61		878.82	879.09	880.99	881.36	878.79	882.31	878.87	880.07
01U621	875.83	875.18	876.82	876.83		875.61	876.14	877.99	878.00	875.76	879.09	877.57	878.58
01U622										DRY	882.50	882.51	882.70
01U623	875.70	875.48	876.13	876.96		875.83	875.73	876.60	877.44	875.76	876.72	877.08	877.96
01U624A	DRY	DRY	DRY	878.17	DRY	DRY	DRY	877.67	878.09	DRY	878.96	877.43	878.76
01U624B	875.73	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	875.75	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	875.74	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	874.92	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	874.89	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	874.89	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	874.91	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	874.29	874.15	875.56	876.99	875.73	875.49	875.96	876.73	876.80	875.81	877.73	876.32	877.68
01U626B	874.43	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	874.53	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	874.60	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	875.31	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	874.82	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	874.77	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	874.82	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	875.66	874.84	876.73	877.43	875.86	875.49	876.32	877.94		875.59	878.63	877.33	878.14
01U628B	875.45	874.76	876.43	877.28	875.80	875.32	875.98	877.63		875.46	878.45	877.10	878.03
01U628C	875.14	874.63	876.00	877.07	875.72	875.09	875.55	877.18		875.28	878.19	876.75	877.89
01U628D	875.16	874.63	875.99	877.09	875.68	875.10	875.56	877.20		875.29	878.22	876.77	877.89

Notes : All elevations are in mean sea level, N/M : Not Measured

TABLE 25
BUILDING 103, TCAAP
GROUNDWATER ELEVATIONS

WELL ID	03/02/92	06/01/92	09/09/92
01U047	874.24	873.82	873.02
01U048	874.54	874.32	873.51
01U052	874.95	874.64	873.61
01U065	873.81	873.71	873.25
01U128	874.41	874.01	872.93
01U601	884.46	886.48	883.94
01U602	883.40	883.15	883.13
01U603	877.54	877.49	878.01
01U604	876.50	876.67	876.50
01U605	877.52	877.72	877.34
01U607	886.17	884.25	883.63
01U608	883.53	883.27	883.19
01U609	883.37	883.22	883.12
01U611	883.92	883.48	883.58
01U612	876.62	877.31	877.11
01U613	884.67	883.30	884.13
01U615	876.10	876.30	875.66
01U616	878.55	878.83	878.33
01U617	876.52	876.92	876.39
01U618	877.74	878.06	877.55
01U619	883.25	882.87	882.72
01U620	878.70	879.07	878.55
01U621	877.36	877.81	877.29
01U622	DRY	DRY	DRY
01U623	877.23	877.48	876.88
01U624A	877.45	877.75	877.14
01U624B	877.45	877.75	877.13
01U624C	877.46	877.76	877.15
01U624D	877.46	877.76	877.14
01U625A	876.69	876.94	876.31
01U625B	876.71	876.93	876.29
01U625C	876.71	876.93	876.29
01U625D	876.72	876.94	876.30
01U626A	876.62	876.79	876.23
01U626B	876.42	876.60	875.94
01U626C	876.47	876.66	875.98
01U626D	876.51	876.70	875.93
01U627A	877.26	877.63	877.19
01U627B	876.64	876.88	876.25
01U627C	876.59	876.82	876.17
01U627D	876.60	876.83	876.18
01U628A	877.06	877.63	877.11
01U628B	876.92	877.43	876.87
01U628C	876.72	877.12	876.52
01U628D	876.74	877.13	876.53

Notes : All elevations are in mean sea level, N/M : Not measured.

Table 26

Building 103, 1992 Annual Assessment Report

TABLE 26

BUILDING 103, 1992 ANNUAL ASSESSMENT REPORT

Concentration Units: ug/l

WELL	DATE	C12DCE	C2H3CL	CH2CL2	11DCE	11DCLE	12DCE	T12DCE	CHCL3	12DCLE	111TCE	TRCLE	CCL4	112TCE	TCLEE
OW104	08/13/87	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
(01U604)	12/01/87	ND	ND	1.00	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
	02/29/88	1.00	ND	ND	ND	1.50	NA	ND	ND	ND	ND	0.60	ND	NA	ND
	05/26/88	1.80	ND	ND	ND	2.00	NA	ND	ND	ND	ND	1.50	ND	ND	ND
	05/08/90	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	05/08/90 Dup	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	03/05/91	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/05/92	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	3900	120 *	ND	ND	74	NA	ND	ND	ND	ND	110000	ND	NA	ND
	03/01/88	1800	ND	ND	ND	ND	NA	ND	ND	ND	33	38000	ND	NA	ND
	05/26/88	1500	ND	77	ND	ND	NA	ND	ND	ND	ND	60000	ND	ND	ND
	05/08/90	3300	ND	ND	ND	ND	NA	ND	ND	ND	ND	35000	ND	ND	ND
	03/05/91	NA	ND	ND	ND	ND	3900	ND	ND	ND	ND	40000	ND	ND	ND
	03/03/92	NA	ND	ND	ND	ND	1300	ND	ND	ND	ND	200000	ND	ND	ND
OW115	05/08/90	1200	ND	ND	ND	ND	NA	270	ND	ND	ND	6500	ND	ND	ND
(01U615)	03/05/91	NA	ND	ND	ND	ND	950	160	ND	ND	ND	8800	ND	ND	ND
	03/03/92	NA	ND	ND	ND	ND	1300	ND	ND	ND	ND	14000	ND	ND	ND
OW117	08/13/87	6.20	ND	NA	0.50	1.90	NA	ND	ND	ND	ND	1.40	NA	ND	ND
(01U617)	12/01/87	6.50	ND	ND	ND	3.20	NA	ND	ND	ND	ND	1.40	ND	NA	ND
	02/29/88	3.40	ND	ND	0.30	1.40	NA	ND	ND	ND	ND	1.10	ND	NA	ND
	05/26/88	4.00	ND	ND	ND	1.70	NA	ND	ND	ND	ND	1.90	ND	ND	ND
	05/26/88 Dup.	4.00	ND	ND	0.40	2.00	NA	ND	ND	ND	ND	2.00	ND	ND	ND
	05/08/90	4.90	ND	ND	0.40	0.80	NA	0.40	ND	ND	ND	2.00	ND	ND	ND
	07/03/90	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	10/02/90	4.80	ND	NA	ND	0.50	NA	0.50	ND	ND	ND	2.10	ND	ND	ND
	03/05/91	NA	ND	ND	ND	ND	3.33	ND	ND	ND	ND	1.17	ND	ND	ND
	06/10/91	NA	ND	ND	ND	ND	3.68	ND	ND	0.68	ND	1.08	ND	ND	ND
	09/03/91	NA	ND	ND	ND	ND	4.32	NA	ND	ND	ND	1.71	ND	ND	ND
	09/03/91 Dup	NA	ND	ND	ND	ND	4.35	NA	ND	ND	ND	1.80	ND	ND	ND
	12/03/91	NA	ND	ND	ND	ND	3.09	NA	ND	ND	ND	1.68	ND	ND	ND
	03/03/92	NA	ND	ND	ND	ND	2.98	ND	ND	ND	ND	1.27	ND	ND	ND
	03/03/92	NA	ND	ND	ND	ND	2.90	ND	ND	ND	ND	1.29	ND	ND	ND
	06/02/92	NA	ND	ND	ND	ND	3.54	0.528	ND	ND	ND	1.13	ND	ND	ND
	06/02/92	NA	ND	ND	ND	ND	3.67	0.454	ND	ND	ND	1.28	ND	ND	ND

TABLE 26

BUILDING 103, 1992 ANNUAL ASSESSMENT REPORT

Concentration Units: ug/l

WELL	DATE	C12DCE	C2H3CL	CH2CL2	11DCE	11DCLE	12DCE	T12DCE	CHCL3	12DCLE	111TCE	TRCLE	CCL4	112TCE	TCLEE
OW117 (cont.)	09/10/92	NA	ND	ND	ND	ND	1.69	NA	ND	ND	ND	0.923	ND	ND	ND
(01U617)	09/10/92	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
OW118	08/13/87	2.50	ND	NA	0.60	2.40	NA	ND	ND	ND	ND	7.70	NA	ND	ND
(01U618)	11/30/87	2.30	ND	ND	ND	ND	NA	2.30	ND	ND	ND	8.60	ND	NA	ND
	11/30/87	2.40	ND	ND	ND	ND	NA	2.40	ND	ND	ND	8.80	ND	NA	ND
	02/29/88	1.50	ND	ND	ND	ND	NA	ND	ND	ND	0.60	8.90	ND	NA	ND
	02/29/88 Dup	1.40	ND	ND	ND	ND	NA	ND	ND	ND	ND	4.50	ND	NA	ND
	05/26/88	2.40	ND	ND	ND	ND	NA	ND	ND	ND	ND	7.00	ND	ND	ND
	05/08/90	1.30	ND	ND	ND	0.30	NA	ND	ND	ND	ND	6.00	ND	ND	ND
	03/05/91	NA	ND	ND	ND	ND	0.79	ND	ND	ND	ND	4.97	ND	ND	ND
	03/03/92	NA	ND	ND	ND	ND	2.09	ND	ND	ND	ND	3.77	ND	ND	ND
OW119	05/08/90	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	2.50	ND	ND	ND
(01U619)	03/05/91	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.76	ND	ND	ND
	03/03/92	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.975	ND	ND	ND
OW121	05/08/90	ND	ND	1.20	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
(01U621)	07/03/90	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	10/02/90	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	1.17	ND	ND	ND
	03/05/91	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.35
	03/05/91 Dup	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/10/91	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/03/91	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
	12/03/91	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
	03/03/92	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/02/92	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/03/91	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
	03/03/92	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/02/92	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/02/92	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
	06/02/92	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND

ND = Not detected above method detection limit.

NA = Not analyzed

NS = Not sampled (well cover corroded in place)

* = Vinyl chloride & diclorodifloromethane co-elute. Compound calculated as dichlorodifloromethane.
Compound too low to confirm.

See Table 2 for abbreviations of chemicals

Table 27

Building 103, Treatment System Concentrations

TABLE 27
BUILDING 103, TREATMENT SYSTEM CONCENTRATIONS
CONCENTRATION UNITS: UG/L

WELL	DATE	C12DCE	C2H5CL	CH2CL2	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCLE	CCL4	TRCLE
INF	911001	43.00	< 15.00	< 10.00	< 3.00	< 2.00	6.90	< 5.00	< 2.00	< 5.00	< 3.00	320.00
INF	911105	57.00	< 7.50	< 5.00	< 1.50	< 1.00	8.10	< 2.50	< 1.00	< 2.50	< 1.50	360.00
INF	911203	35.00	< 1.50	< 1.00	< 0.30	0.30	5.70	< 0.50	< 0.20	< 0.50	< 0.30	250.00
INF	920107	45.00	< 7.50	< 5.00	< 1.50	< 1.00	5.10	< 2.50	< 1.00	< 2.50	< 1.50	360.00
INF	920303	53.00	< 7.50	< 5.00	< 1.50	< 1.00	< 1.50	< 2.50	< 1.00	< 2.50	< 1.50	< 2.50
INF	920602	64.00	< 7.50	< 5.00	< 1.50	< 1.00	5.30	< 2.50	< 1.00	< 2.50	< 1.50	510.00
INF	920901	48.00	< 30.00	< 20.00	< 6.00	< 4.00	< 6.00	< 10.00	< 4.00	< 10.00	< 6.00	360.00
EFF	911001	< 0.50	< 1.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50
EFF	911001	< 0.50	< 1.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50
EFF	911105	22.00	< 1.50	< 1.00	< 0.30	< 0.20	1.50	< 0.50	< 0.20	< 0.50	< 0.30	110.00
EFF	911105	24.00	< 1.50	< 1.00	< 0.30	< 0.20	1.90	< 0.50	< 0.20	< 0.50	< 0.30	110.00
EFF	911203	< 0.50	< 1.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50
EFF	911203	< 0.50	< 1.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50
EFF	920107	< 0.50	< 1.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.50	1.70	< 0.30	< 0.50
EFF	920107	< 0.50	< 1.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.50	1.80	< 0.30	0.80
EFF	920204											
EFF	920303	< 5.00	< 10.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	6.30
EFF	920407											
EFF	920505											
EFF	920602	< 0.50	< 1.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50
EFF	920602	< 0.50	< 1.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50
EFF	920707											
EFF	920804											
EFF	920901	< 0.50	< 1.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50
EFF	920901	< 0.50	< 1.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20	< 0.50	< 0.30	< 0.50

TABLE 27
BUILDING 103, TREATMENT SYSTEM CONCENTRATIONS

CONCENTRATION UNITS: UG/L

WELL	DATE	TCLEE	TPO4	O-PO4	CHROMIUM	COPPER	LEAD	ZINC
INF	911001	< 10.00						
INF	911105	< 5.00						
INF	911203	< 1.00						
INF	920107	< 5.00						
INF	920303	< 5.00						
INF	920602	< 5.00						
INF	920901	< 20.00						
EFF	911001	< 1.00	63.20	24.60	< 15.00	< 20.00	< 1.26	18.00
EFF	911001	< 1.00						
EFF	911105	< 1.00	990.00	31.00				
EFF	911105	< 1.00	990.00	31.00	< 15.00	< 20.00	< 1.26	15.00
EFF	911203	< 1.00	81.90	21.70				
EFF	911203	< 1.00						
EFF	920107	< 1.00	45.10	28.20				
EFF	920107	< 1.00						
EFF	920204		61.00	50.40				
EFF	920303	< 5.00	150.00	28.20				
EFF	920407		1100.00	70.00	< 15.00	< 20.00	< 1.26	< 13.00
EFF	920505		670.00	46.20				
EFF	920602	< 1.00	240.00	33.80				
EFF	920602	< 1.00						
EFF	920707		90.40	43.70	< 15.00	< 20.00	< 1.26	20.00
EFF	920804		39.60	43.80				
EFF	920901	< 1.00						
EFF	920901	< 1.00	107.00	26.80				

Table 28

Building 103, TCAAP
1992 Annual Results
Effluent Priority Pollutants

TABLE 28
Building 103, TCAAP
1992 ANNUAL RESULTS
EFFLUENT PRIORITY POLLUTENTS
(3/3/92)

	COMPOUND		CONCENTRATION (ug/l)
PESTICIDES/ PCBs			
	ALPHA-BHC	<	0.0434
	BETA-BHC	<	0.0109
	DELTA-BHC	<	0.0488
	GAMMA-BHC	<	0.0429
	HEPTACHLOR	<	0.0631
	ALDRIN	<	0.0638
	HEPTACHLOR EPOXIDE	<	0.006
	ENDOSULFAN I	<	0.0086
	DIELDRIN	<	0.0321
	4,4-DDE	<	0.0946
	ENDRIN	<	0.0372
	ENDOSULFAN II	<	0.012
	4,4-DDD	<	0.0848
	ENDOSULFAN SULFATE	<	0.02
	4,4-DDT	<	0.0316
	METHOXYCHLOR	<	0.267
	ENDRIN ALDEHYDE	<	0.0697
	ENDRIN KETONE	<	0.0282
	ALPHA CHLORDANE	<	0.0202
	GAMMA CHLORDANE	<	0.045
	TOXAPHENE	<	0.5
	PCB-1016	<	0.1
	PCB-1221	<	0.1
	PCB-1232	<	0.1
	PCB-1242	<	0.1
	PCB-1248	<	0.1
	PCB-1254	<	0.1
	PCB-1260	<	0.1

TABLE 28
Building 103, TCAAP
1992 ANNUAL RESULTS
EFFLUENT PRIORITY POLLUTENTS
(3/3/92)

	COMPOUND		CONCENTRATION (ug/l)
SEMI-VOLATILES FRACTION			
	PHENOL	<	10
	BIS(2-CHLOROETHYL)ETHER	<	10
	2-CHLOROPHENOL	<	10
	1,3-DICHLOROBENZENE	<	10
	1,4-DICHLOROBENZENE	<	10
	BENZYL ALCOHOL	<	10
	1,2-DICHLOROBENZENE	<	10
	2-METHYLPHENOL	<	10
	BIS(2-CHLOROISOPROPYL)ETHER	<	10
	4-METHYLPHENOL	<	10
	N-NITROSO-DI-N-PROPYLAMINE	<	10
	HEXACHLOROETHANE	<	10
	NITROBENZENE	<	10
	ISOPHORONE	<	10
	2-NITROPHENOL	<	10
	2,4-DIMETHYLPHENOL	<	10
	BENZOIC ACID	<	50
	BIS(2-CHLOROETHOXY)METHANE	<	10
	2,4-DICHLOROPHENOL	<	10
	1,2,4-TRICHLOROBENZENE	<	10
	NAPHTHALENE	<	10
	4-CHLOROANILINE	<	10
	HEXACHLOROBUTADIENE	<	10
	4-CHLORO-3-METHYLPHENOL	<	10
	2-METHYLNAPHTHALENE	<	10
	HEXACHLOROCYCLOPENTADIENE	<	10
	2,4,6-TRICHLOROPHENOL	<	10
	2,4,5-TRICHLOROPHENOL	<	50
	2-CHLORONAPHTHALENE	<	10
	2-NITROANILINE	<	50
	DIMETHYL PHTHALATE	<	10
	ACENAPHTHYLENE	<	10
	3-NITROANILINE	<	50
	ACENAPHTHENE	<	10
	2,4-DINITROPHENOL	<	50
	4-NITROPHENOL	<	50
	DIBENZOFURAN	<	10
	2,4-DINITROTOLUENE	<	10
	2,6-DINITROTOLUENE	<	10
	DIETHYLPHTHALATE	<	10
	4-CHLOROPHENYL-PHENYLETHER	<	10

TABLE 28

Building 103, TCAAP

1992 ANNUAL RESULTS

EFFLUENT PRIORITY POLLUTENTS

(3/3/92)

	COMPOUND		CONCENTRATION (ug/l)
SEMI-VOLATILES FRACTION			
	FLUORENE	<	10
	4-NITROANILINE	<	50
	4,6-DINITRO-2-METHYLPHENOL	<	50
	N-NITROSODIPHENYLAMINE	<	10
	4-BROMOPHENYL-PHENYLETHER	<	10
	HEXACHLOROBENZENE	<	10
	PENTACHLOROPHENOL	<	50
	PHENANTHRENE	<	10
	ANTHRACENE	<	10
	DI-N-BUTYLPHTHALATE	<	10
	FLUORANTHENE	<	10
	PYRENE	<	10
	BUTYLBENZYLPHTHALATE	<	10
	3,3-DICHLOROBENZIDINE	<	20
	BENZO(A)ANTHRACENE	<	10
	BIS(2-ETHYLHEXYL)PHTHALATE	<	10
	CHRYSENE	<	10
	DI-N-OCTYL PHTHALATE	<	10
	BENZO(B)FLUORANTHENE	<	10
	BENZO(K)FLUORANTHENE	<	10
	BENZO(A)PYRENE	<	10
	INDENO(1,2,3-CD)PYRENE	<	10
	DIBENZO(A,H)ANTHRACENE	<	10
	BENZO(G,H,I)PERYLENE	<	10

TABLE 28
Building 103, TCAAP
1992 ANNUAL RESULTS
EFFLUENT PRIORITY POLLUTENTS
(3/3/92)

	COMPOUND		CONCENTRATION (ug/l)
METALS			
	ALUMINUM	<	107
	ANTIMONY	<	37.1
	ARSENIC	<	6.01
	LEAD	<	1.26
	SELENIUM	<	14.9
	SILVER	<	12.5
	THALLIUM	<	2.5
	BARIUM		116
	BERYLLIUN	<	2.5
	CADMIUM	<	5
	CALCIUM		96000
	CHROMIUM	<	15
	COBALT	<	25
	COPPER	<	20
	IRON		4420
	MAGNESIUM		19500
	MANGANESE		838
	NICKEL	<	5.32
	POTASSIUM		2410
	SODIUM		60000
	VANADIUM	<	20
	ZINC		33
	MERCURY		0.74
	MOLYBDENUM	<	30.9

TABLE 28
Building 103, TCAAP
1992 ANNUAL RESULTS
EFFLUENT PRIORITY POLLUTENTS
(3/3/92)

	COMPOUND		CONCENTRATION (ug/l)
VOLATILE FRACTION			
	CHLOROMETHANE	<	10
	BROMOMETHANE	<	10
	VINYL CHLORIDE	<	10
	CHLOROETHANE	<	10
	METHYLENE CHLORIDE	<	5
	ACETONE	<	10
	CARBON DISULFIDE	<	5
	1,1-DICHLOROETHENE	<	5
	1,1-DICHLOROETHANE	<	5
	CIS-1,2-DICHLOROETHENE	<	5
	CHLOROFORM	<	5
	1,2-DICHLOROETHANE	<	5
	2-BUTANONE	<	10
	1,1,1-TRICHLOROETHANE	<	5
	CARBON TETRACHLORIDE	<	5
	BROMODICHLOROMETHANE	<	5
	1,2-DICHLOROPROPANE	<	5
	CIS-1,3-DICHLOROPROPENE	<	5
	TRICHLOROETHENE		6.3
	DIBROMOCHLOROMETHANE	<	5
	1,1,2-TRICHLOROETHANE	<	5
	BENZENE	<	5
	TRANS-1,3-DICHLOROPROPENE	<	5
	BROMOFORM	<	5
	4-METHYL-2-PENTANONE	<	10
	2-HEXANONE	<	10
	TETRACHLOROETHENE	<	5
	1,1,2,2-TETRACHLOROETHANE	<	5
	TOLUENE	<	5
	CHLOROBENZENE	<	5
	ETHYLBENZENE	<	5
	STYRENE	<	5
	TOTAL XYLENES	<	5
	TRANS-1,2-DICHLOROETHENE	<	5

Table 29

Building 502
1992 Site I Monitoring Data

TABLE 29

BUILDING 502
1992 SITE I MONITORING DATA

Concentration Units: ug/L

COMPOUND	01U640	01U636	01U064	01U064 (DUP)	01U639
1,1,1-trichloroethane	5.33	1.04	7.7	8.8	ND
1,1-dichloroethane	ND	ND	5.8	5.8	ND
trans-1,2-dichloroethene	ND	ND	10	10	ND
1,2-dichloroethene	ND	ND	220	230	ND
trichloroethene	14.6	ND	5.2	6.4	1.41
Remaining VOCs	ND	ND	ND	ND	ND
PCB, All Alochlors	ND	ND	-	-	-

Notes:
ND - Not Detected
- Not Analyzed

Table 30

Fiscal Year 1994 Groundwater Quality Monitoring Plan

TABLE 30

FISCAL YEAR 1994 GROUNDWATER QUALITY MONITORING PLAN

Site	Well LD.	Common Name	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		—	—	—	—	—	1{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		—	—	—	—	—	1,7{2,3,9,#}	—	—	{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		—	—	—	—	—	1,7{2,3,9,#}	—	—	{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		—	—	—	—	—	1,7{2,3,9,#}	—	—	{7}	—	—	{7}
	01U140		—	—	—	—	—	1,7{2,3,9,#}	—	—	{7}	—	—	{7}
	01U141		—	—	—	—	—	1{2,3,7,9,#}	—	—	{7}	—	—	{7}
	01U157	{New Well}	—	—	—	—	—	{2,3,7,9,#}	—	—	{7}	—	—	{7}
	01U158	{New Well}	—	—	—	—	—	{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	{New Well}	—	—	—	—	—	{2,3,7,9,#}	—	—	{7}	—	—	{7}
	01U352	{New Well}	—	—	—	—	—	{2,3,7,9,#}	—	—	{7}	—	—	{7}
	01U353	{New Well}	—	—	—	—	—	{2,3,7,9,#}	—	—	{7}	—	—	{7}
	01U354	{New Well}	—	—	—	—	—	{2,3,7,9,#}	—	—	{7}	—	—	{7}
	01U355	{New Well}	—	—	—	—	—	{2,3,7,9,#}	—	—	{7}	—	—	{7}
	01U356	{New Well}	—	—	—	—	—	{2,3,7,9,#}	—	—	{7}	—	—	{7}
	01U357	{New Well}	—	—	—	—	—	{2,3,7,9,#}	—	—	{7}	—	—	{7}
	01U358	{New Well}	—	—	—	—	—	{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	{New Well}	—	—	—	—	—	{2,3,7,9,#}	—	—	{7}	—	—	{7}
	01U904	{New Well}	—	—	—	—	—	{2,3,7,9,#}	—	—	{7}	—	—	{7}
	03U023		—	—	—	—	—	1	—	—	—	—	—	—

= Co, Va
* = As, Ba, Cd, Cr, Pb, Ni

TABLE 30

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)	---	---

TABLE 30

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	---	---
	03U113		---	1	---	---
	03U114		---	1	---	---
	03U121		---	1,4	---	---
	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			

TABLE 30

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)

TABLE 30

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		---	---	---	---

TABLE 30

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		---	---	---	---

TABLE 30

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	---	---

TABLE 30

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			

TABLE 30

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)

TABLE 30

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	---	---

TABLE 30

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		---	---	---	---

TABLE 30

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	---	---
	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	---	---

TABLE 30

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	---	---
(St. Peter) (Formation)	200814	Amer. Linen	---	---	---	
(St. Peter) (Prairie du Chien) (Jordan Formation)	233222	Lowry Gr. Trail.	---	---	---	---

TABLE 30

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	---	---
	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	---	---

TABLE 30

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	---	---
(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	---	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	---	---

TABLE 30

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.

[ ] Indicates changes which were made following submittal of the original monitoring plan.

Table 31

Interim Remedial Action Treatment System Monitoring

TABLE 31

INTERIM REMEDIAL ACTION (IRA) TREATMENT SYSTEM MONITORING

TGRS

Location	Sampling Frequency	Parameters
Treatment System Influent	Monthly	Cat. 1
Treatment System Effluent	Monthly	Cat. 1, Arsenic, Lead, Mercury, Cadmium, Chromium, Copper, Nickel, Zinc, and pH
	Annually	Priority Pollutants

SITE A

Location	Sampling Frequency	Parameters
Treatment System Influent (Well 01U350)	Monthly	Cat. 1, Cat. 2, Total and Ortho Phosphorous, Nitrogen (nitrate + nitrite), Zinc
Treatment System Effluent	Monthly	Cat. 1, Cat. 2, Total and Ortho Phosphorous, Nitrogen (nitrate + nitrite), Zinc
Between Carbon Vessels of Treatment Plant	Monthly	Cat. 1

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

0U3

Location	Sampling Frequency	Parameters
Treatment System Influent	Monthly	Cat. 1
Treatment System Effluent	Monthly	Cat. 1

NOTE: Parameter lists for Categories 1, 2, and 4 are presented in Appendix E.

Table 32

Fiscal Year 1994 Groundwater Level Monitoring Plan

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
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.

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
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)

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
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			

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
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)

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
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	---	---

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
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	K03-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	—	—

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
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)

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
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)

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
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

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
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		—	—	—	—

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	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)

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	03L673		Refer to SW Boundary Area			
(CONT.)	03L802		Refer to SW Boundary Area			
(Lower Hillside)	03L806		Refer to SW Boundary Area			
(Formation)	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.	—	—	—	—

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 (3)		—	X(A)	X(A)	X(A)
	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)

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	(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

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		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.

{ } Indicates changes which were made following submittal of the original monitoring plan.

Table 33

National Pollutant Discharge Elimination System (NPDES) Monitoring Plan

TABLE 33

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MONITORING PLAN

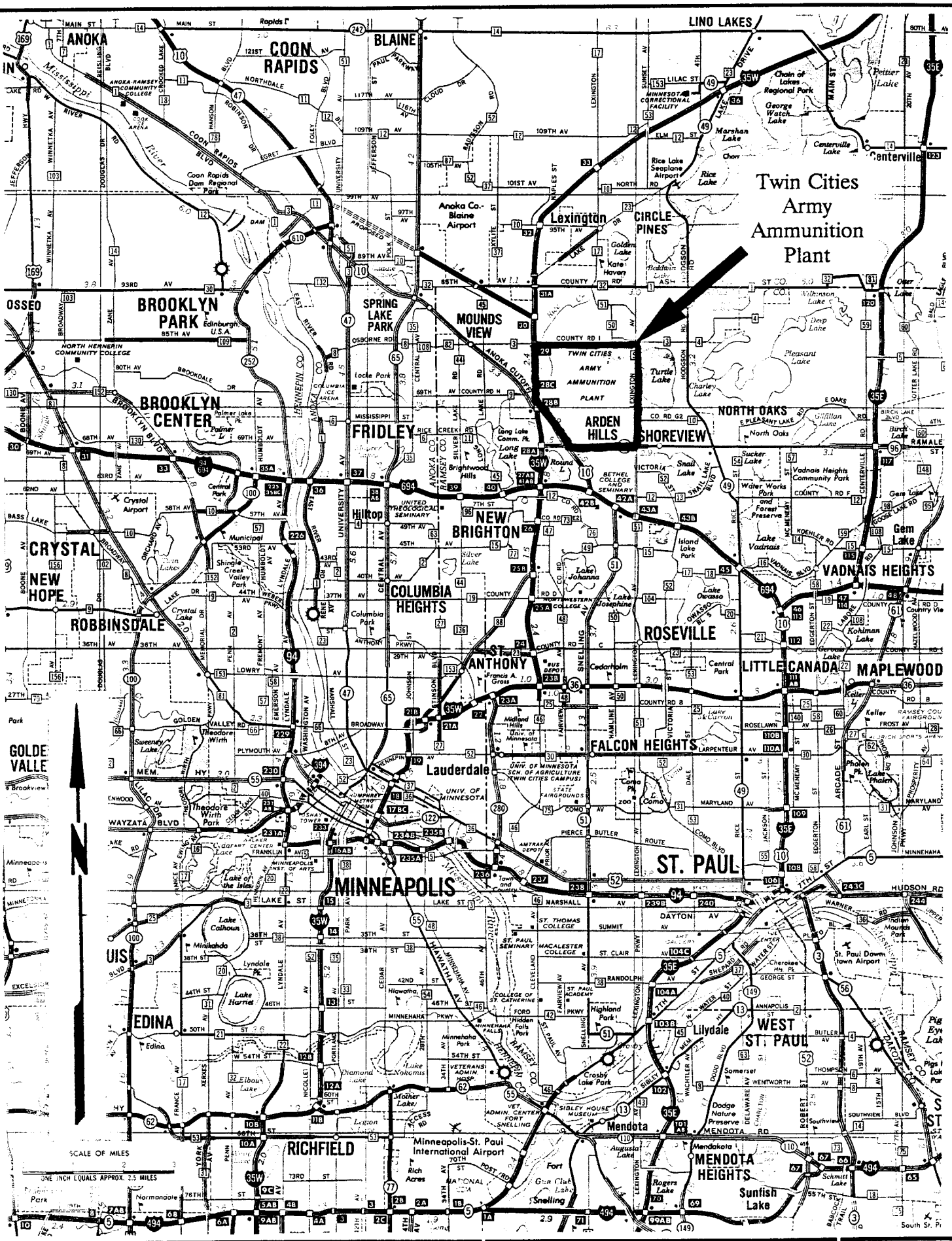
S A M P L E L O C A T I O N S
(G R A B S A M P L I N G)
(See FCC DWG. No. 46814)

SAMPLE POINT >>>		POINT 20500	POINT 20700	POINT 20200	POINT 20300	POINT 20400	POINT 20800	POINT 20100	POINT 20900	POINT 21000	POINT 21100	POINT 21200	POINT 21300	POINT 21400	POINT 21600	FIELD WATER	D.I. WATER
***OLD DESIGNATION)>>		A	B	C	D	E	F	G	H	I	J	K	L	M	P		
ANALYSIS	UNITS	ROUND LAKE OUTFALL	RICE CREEK IN	BLDG 103/114 OUTFALL	BLDG 113/115 OUTFALL	BLDG 104/116 OUTFALL	RICE CREEK OUT	MARSDEN LAKE OUT	RICE CREEK & LEI	RICE CREEK & LONG LK	CULVERT AREA RUNOFF	N INLET LEINGTN RUNOFF	MID INLET LEINGTN RUNOFF	S INLET LEINGTN RUNOFF	HAMLINE RUNOFF	BLANK	BLANK
VOLUME	GAL/DAY	MMM	QQQ	MMM	MMM	MMM	MMM	MMM	EST	EST	EST	AAA	AAA	AAA	AAA	III	III
pH	-	MMM	QQQ	MMM	MMM	MMM	MMM	MMM	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	MMM	MMM
SUSPENDED SOLIDS	MG/L	MMM	QQQ	MMM	MMM	MMM	MMM	MMM	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	MMM	MMM
CHEMICAL OXYGEN DEMAND	MG/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
TOTAL ORGANIC CARBON	MG/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
BIOLOGICAL OXYGEN DEMAND	MG/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
DISSOLVED OXYGEN	MG/L	MMM	QQQ	MMM	MMM	MMM	MMM	MMM	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	MMM	MMM
FECAL COLIFORM BACTERIA	No./100mL	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
OIL	MG/L	MMM	QQQ	MMM	MMM	MMM	MMM	MMM	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	MMM	MMM
AMMONIA	MG/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
CYANIDE	MG/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
CADMIUM	MG/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
CHLORIDE	MG/L	MMM	QQQ	MMM	MMM	MMM	MMM	MMM	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	MMM	MMM
CHROMIUM (TOTAL)	MG/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
COPPER	MG/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
LEAD	MG/L	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA
MERCURY	ug/L	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA
NICKEL	MG/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
PHOSPHORUS (TOTAL)	MG/L	MMM	QQQ	MMM	MMM	MMM	MMM	MMM	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	MMM	MMM
PHOSPHORUS (ORTHO)	MG/L	MMM	QQQ	MMM	MMM	MMM	MMM	MMM	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	MMM	MMM
SILVER	MG/L	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA
ZINC	MG/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
TRICHLOROETHYLENE	ug/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
1,1,1-TRICHLOROETHANE	ug/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
METHYLENE CHLORIDE	ug/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
1,1-DICHLOROETHYLENE	ug/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
1,1-DICHLOROETHANE	ug/L	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	QQQ	AAA	AAA	AAA	AAA	QQQ	QQQ
POLYCHLORINATED BIPHENYLS	ug/L	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA
GROSS ALPHA	pCur/L	QQQ	QQQ	AAA	QQQ	AAA	QQQ	QQQ	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	QQQ
GROSS BETA	pCur/L	QQQ	QQQ	AAA	QQQ	AAA	QQQ	QQQ	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	QQQ
GAMA SPECTRALANALYSIS	pCur/L	QQQ	QQQ	AAA	QQQ	AAA	QQQ	QQQ	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	QQQ
24-HR pH METER/RECORDER	-	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	AAA	III	III

III - No analysis required
MMM - Analysis required monthly. At least two of the monthly samples are to be collected after/during rainfall of at least 0.5 inches
QQQ - Analysis required quarterly
AAA - Analysis required annually (May, 1990)
EST - Estimated Quarterly

FIGURES

Figures



TWIN CITIES ARMY AMMUNTION PLANT

Site Location Map

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Wenck

Wenck Associates, Inc. 1800 Pioneer Creek Ctr.
Environmental Engineers Maple Plain, MN 55359

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Figure 1

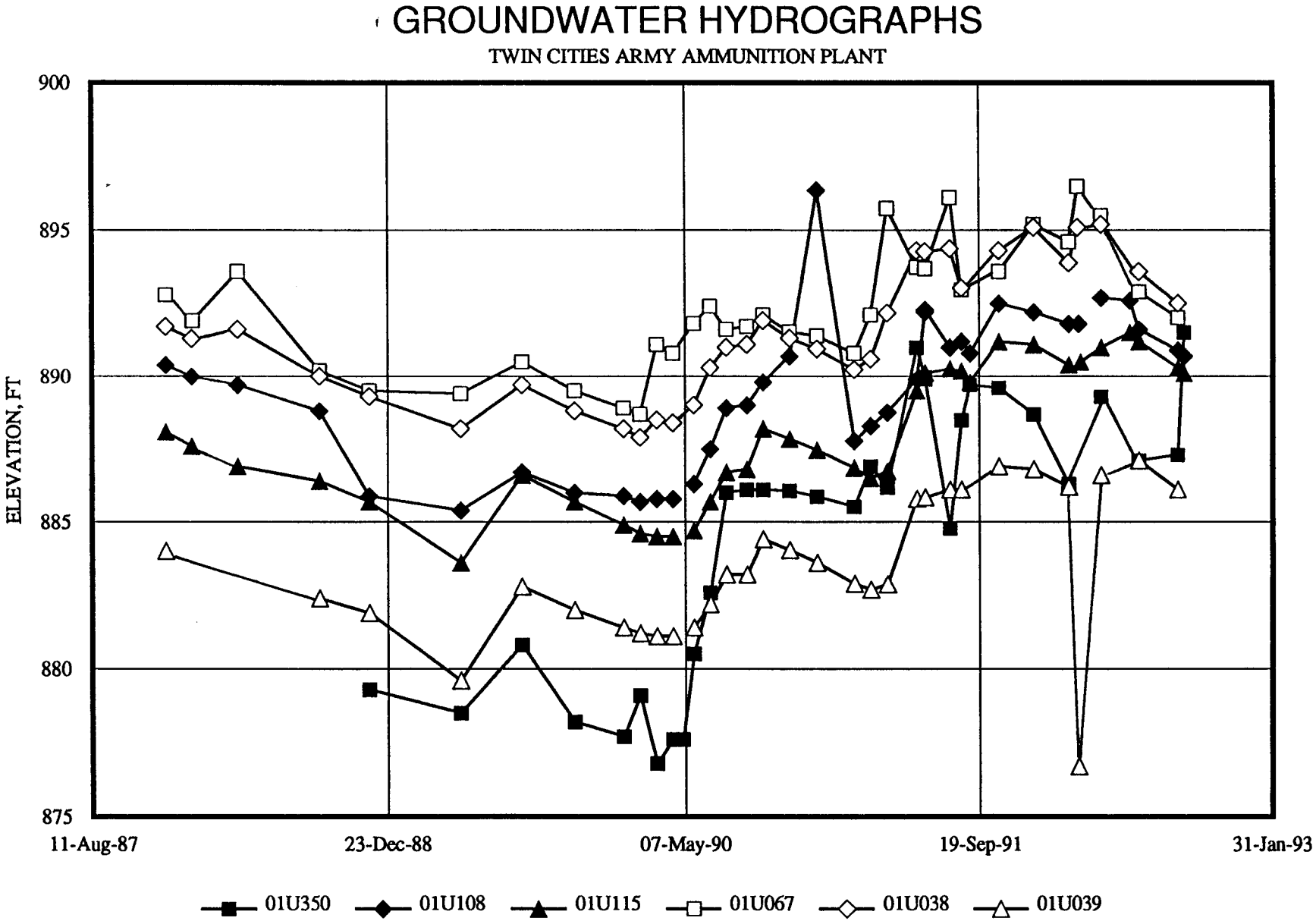
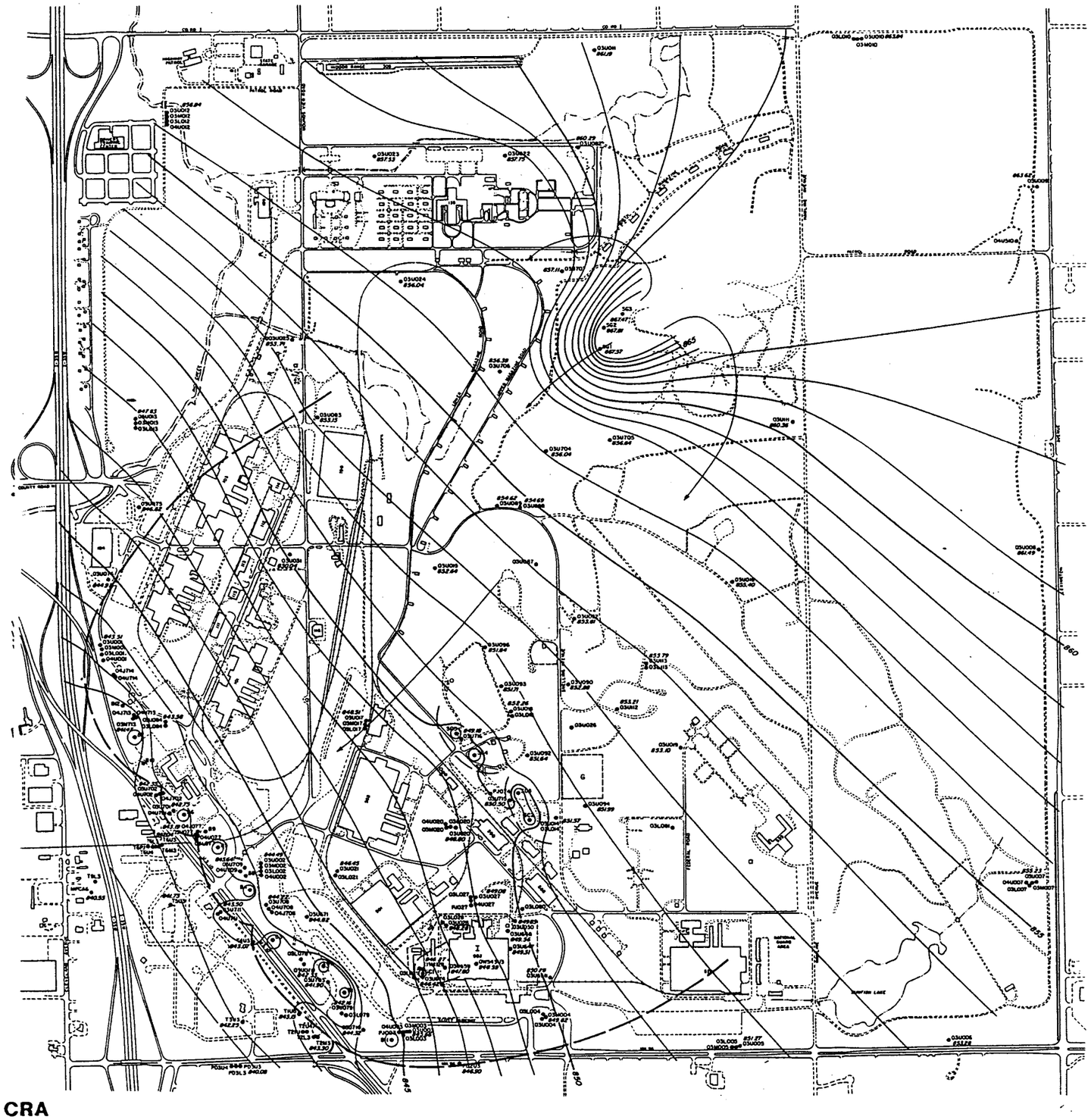


Figure 2 SITE A
WENCK ASSOCIATES, INC.



SCALE: 1" = 1200'

LEGEND

847.34 GROUNDWATER ELEVATION IN FEET AMSL (3-24-92)

GROUNDWATER CONTOUR

DIRECTION OF GROUNDWATER FLOW

LIMIT OF CAPTURE

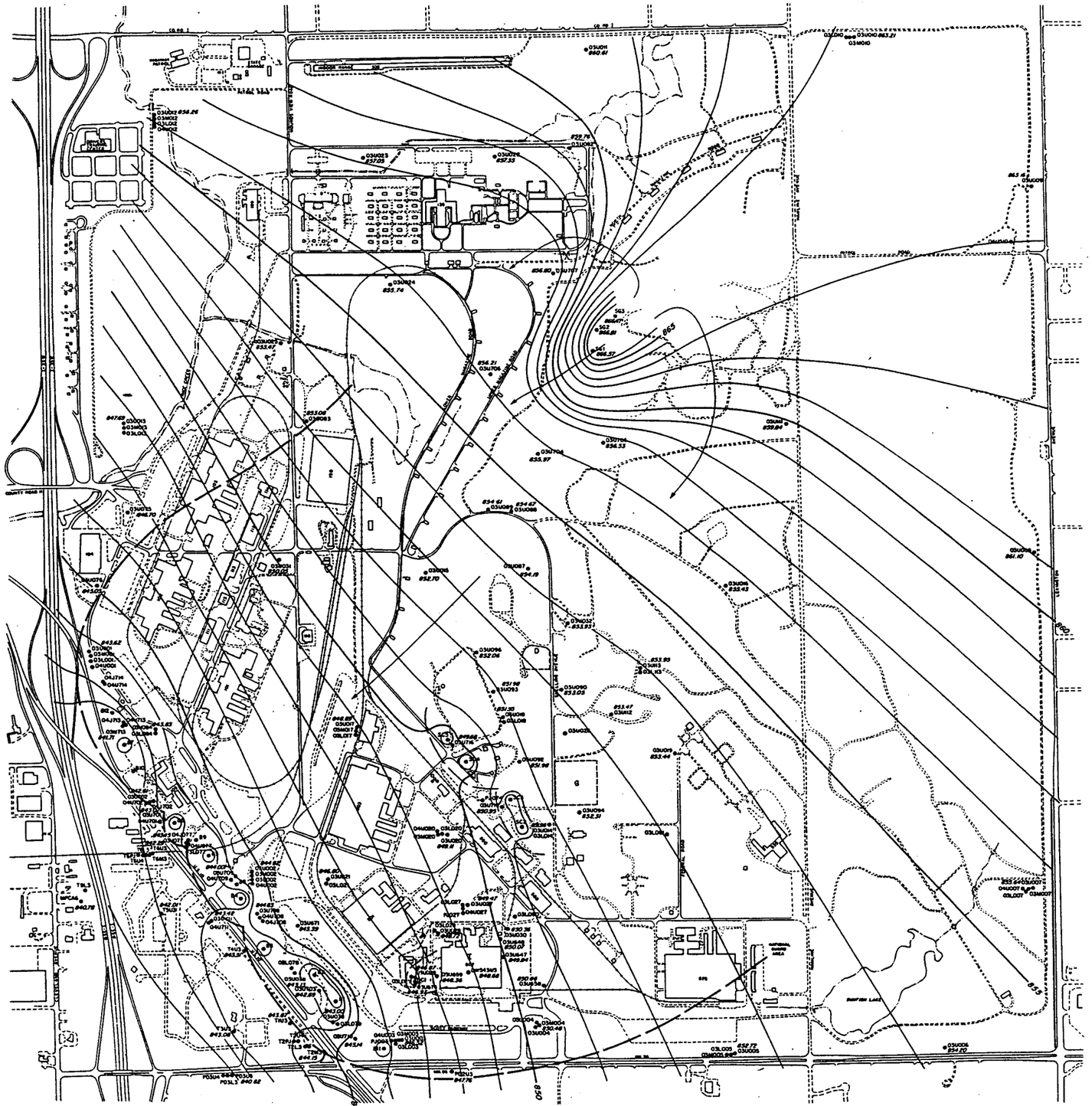
figure 3

UPPER UNIT 3 GROUNDWATER CONTOURS

Twin Cities Army Ammunition Plant

CRA

4530-40-8/01/93-M



SCALE: 1" = 1200'

LEGEND

847.34 GROUNDWATER ELEVATION IN FEET AMSL (10-8-92)

GROUNDWATER CONTOUR

DIRECTION OF GROUNDWATER FLOW

LIMIT OF CAPTURE

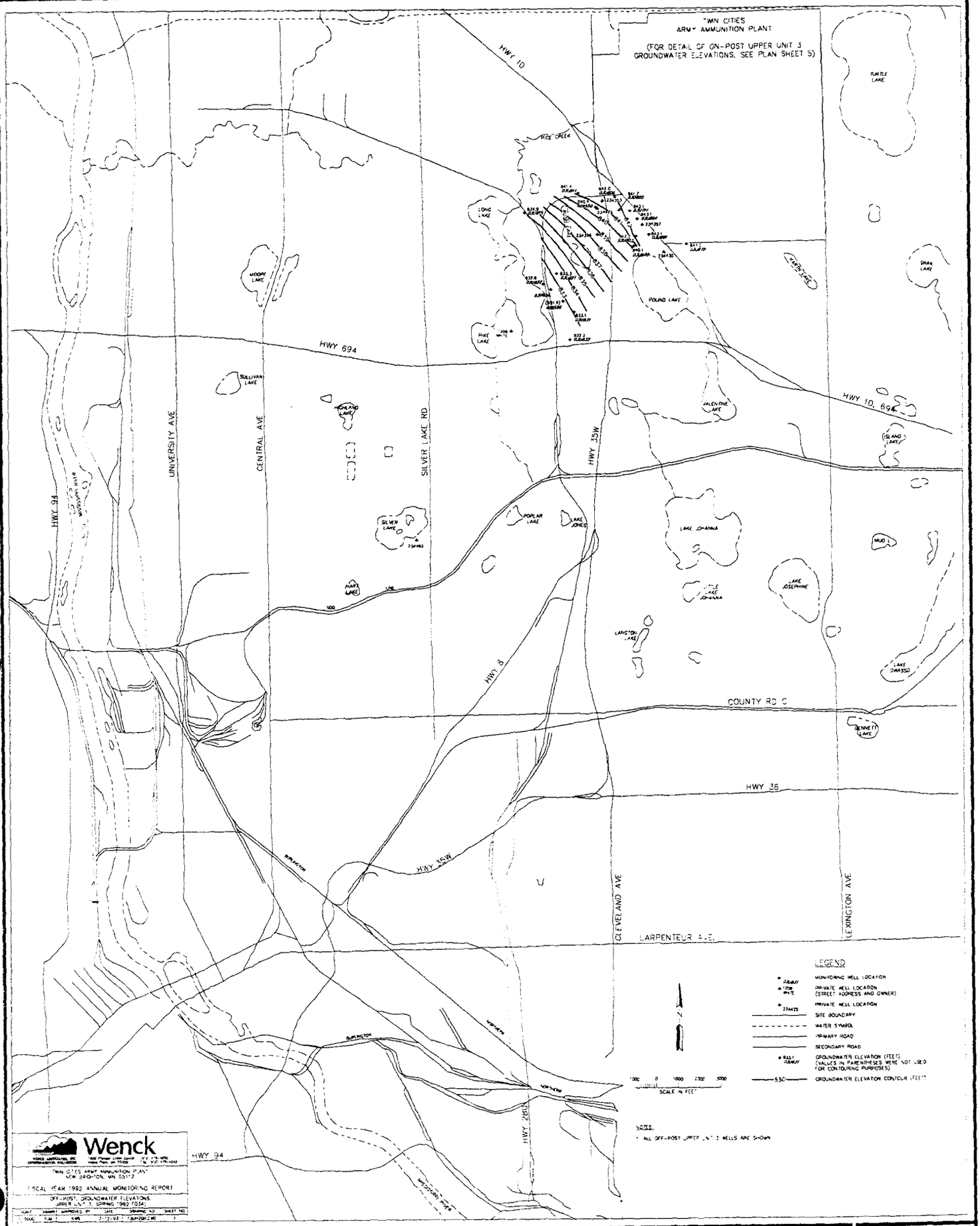
figure 4

UPPER UNIT 3 GROUNDWATER CONTOURS

Twin Cities Army Ammunition Plant

CRA

4530-40-8/01/93-M



TWIN CITIES ARMY AMMUNITION PLANT

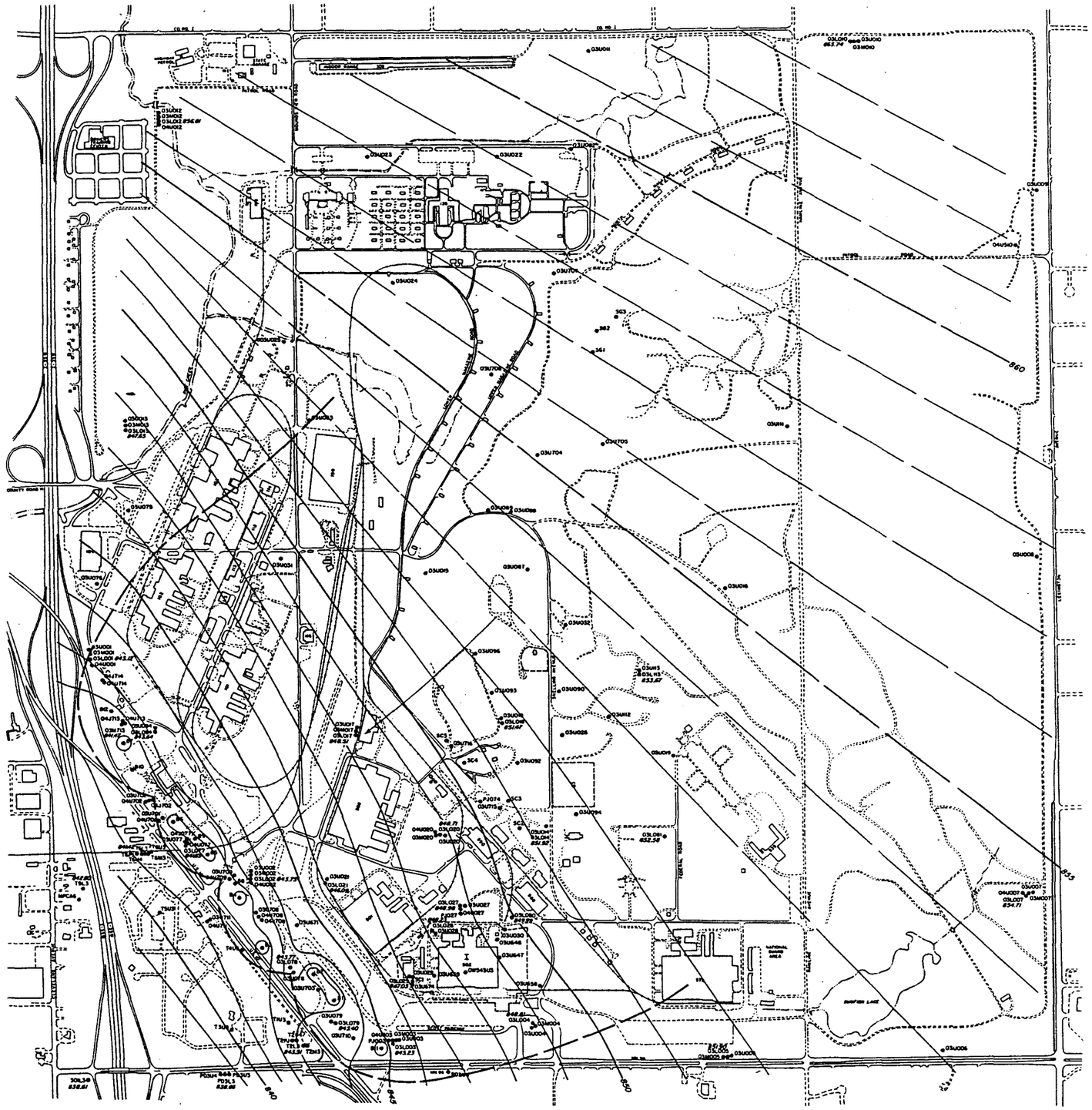
Off-Post Groundwater Elevations,
Upper Unit 3, Spring 1992 (Q34)

Wenck

Wenck Associates, Inc. 1800 Pioneer Creek Ctr.
Environmental Engineers Maple Plain, MN 55359

FEB 1993

Figure 5



SCALE: 1" = 1200'

LEGEND

847.34 GROUNDWATER ELEVATION IN FEET AMSL (3-24-92)

GROUNDWATER CONTOUR

DIRECTION OF GROUNDWATER FLOW

LIMIT OF CAPTURE

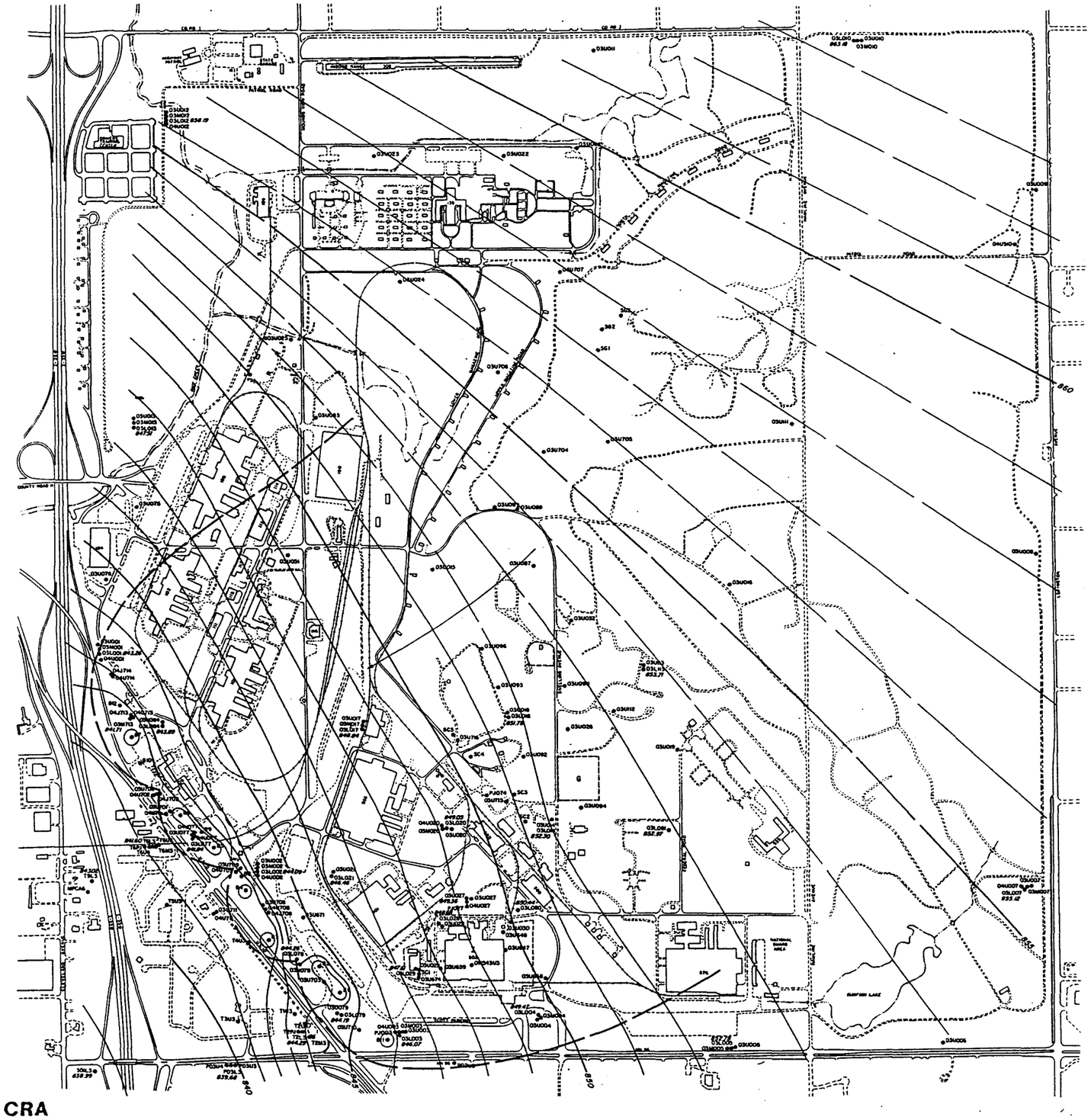
CRA

figure 6

LOWER UNIT 3 GROUNDWATER CONTOURS

Twin Cities Army Ammunition Plant

4530-40-8/01/93-M



SCALE: 1" = 1200'

LEGEND

847.34 GROUNDWATER ELEVATION IN FEET AMSL (10-8-92)

GROUNDWATER CONTOUR

DIRECTION OF GROUNDWATER FLOW

LIMIT OF CAPTURE

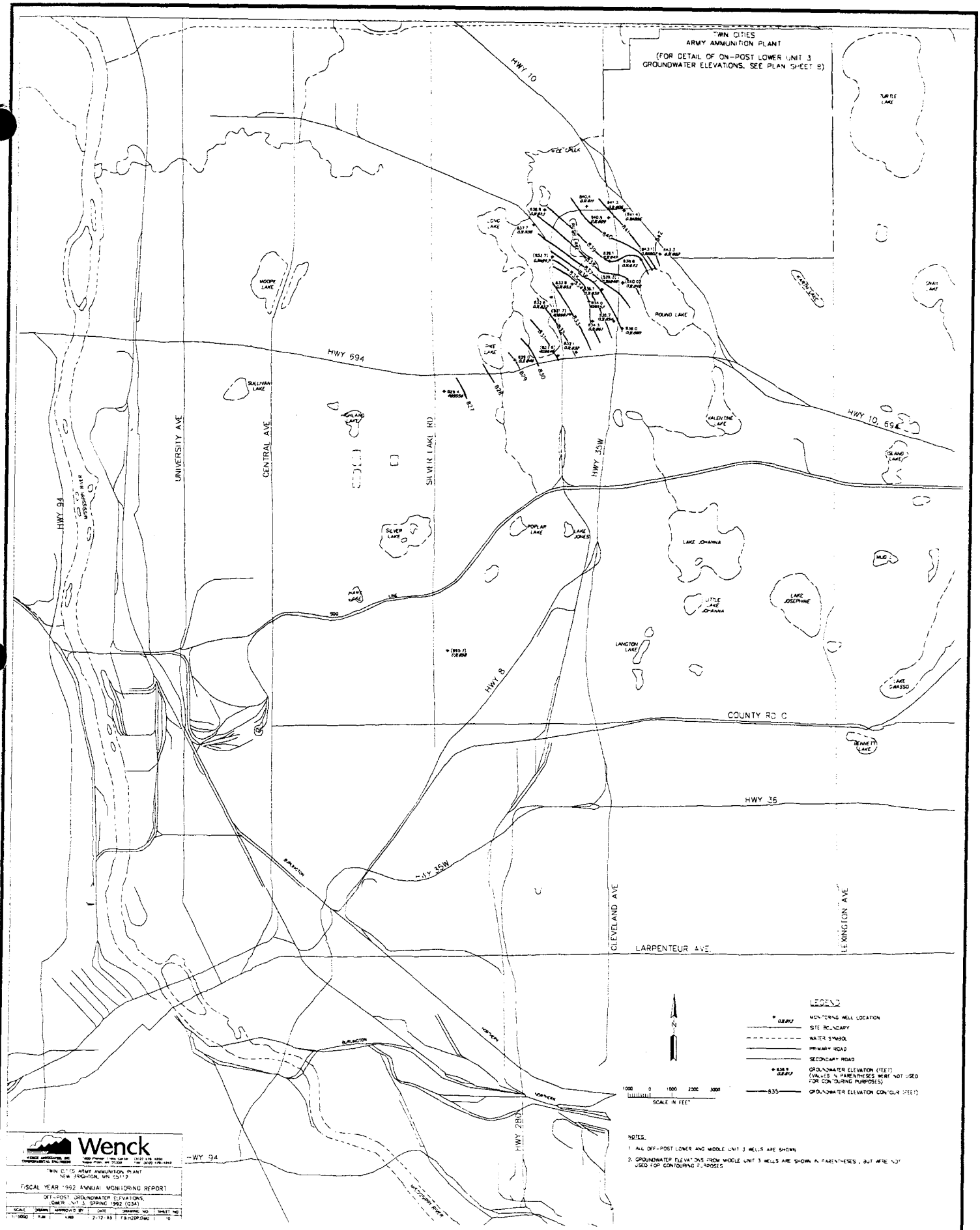
CRA

figure 7

LOWER UNIT 3 GROUNDWATER CONTOURS

Twin Cities Army Ammunition Plant

4530-40-8/01/93-M



TWIN CITIES ARMY AMMUNITION PLANT

Off-Post Groundwater Elevations, Lower Unit 3, Spring 1992 (Q34)

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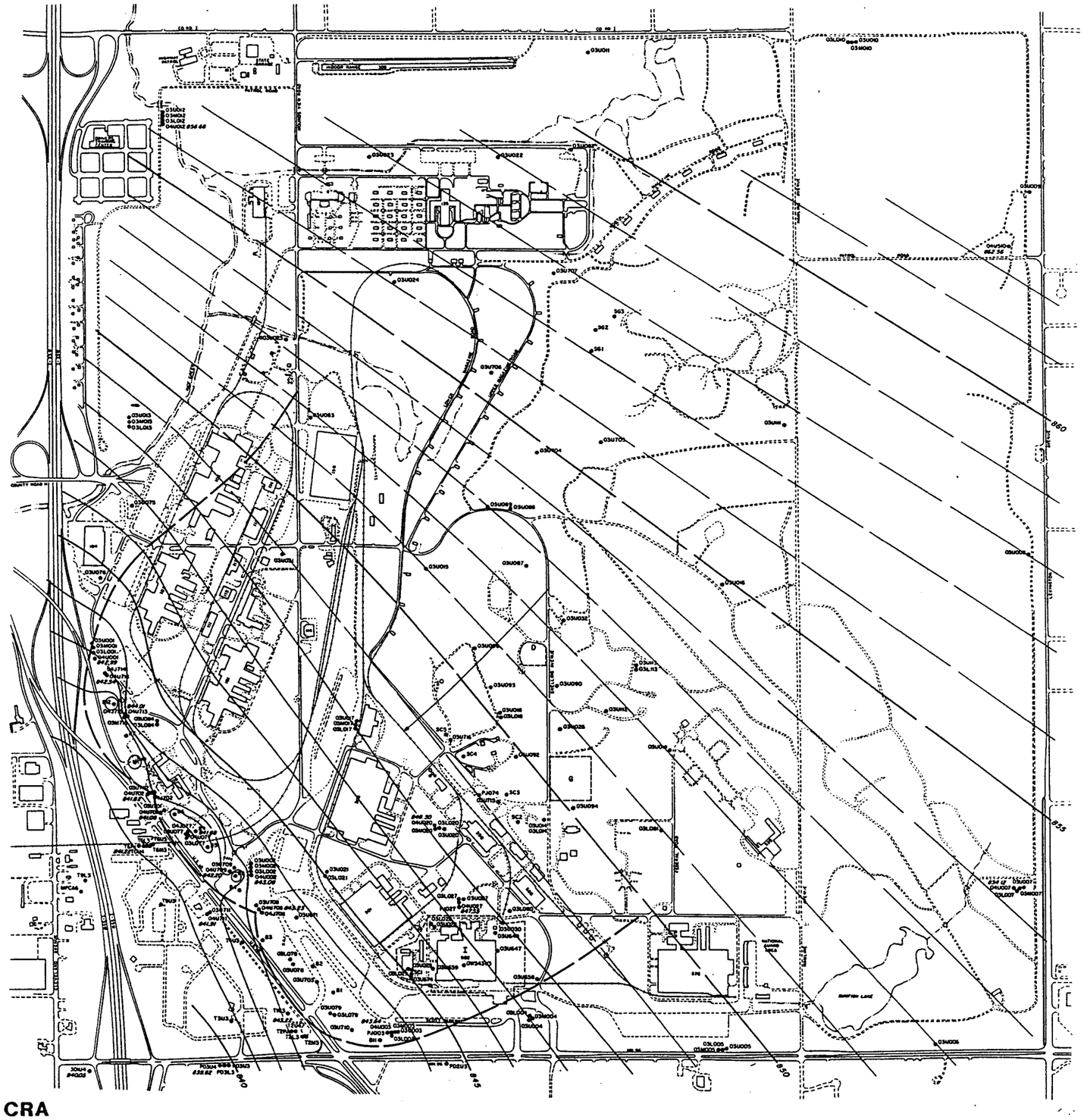
Figure 8



SCALE: 1" = 1200'

LEGEND

847.34 GROUNDWATER ELEVATION IN FEET AMSL (3-24-92)

GROUNDWATER CONTOUR

DIRECTION OF GROUNDWATER FLOW

LIMIT OF CAPTURE

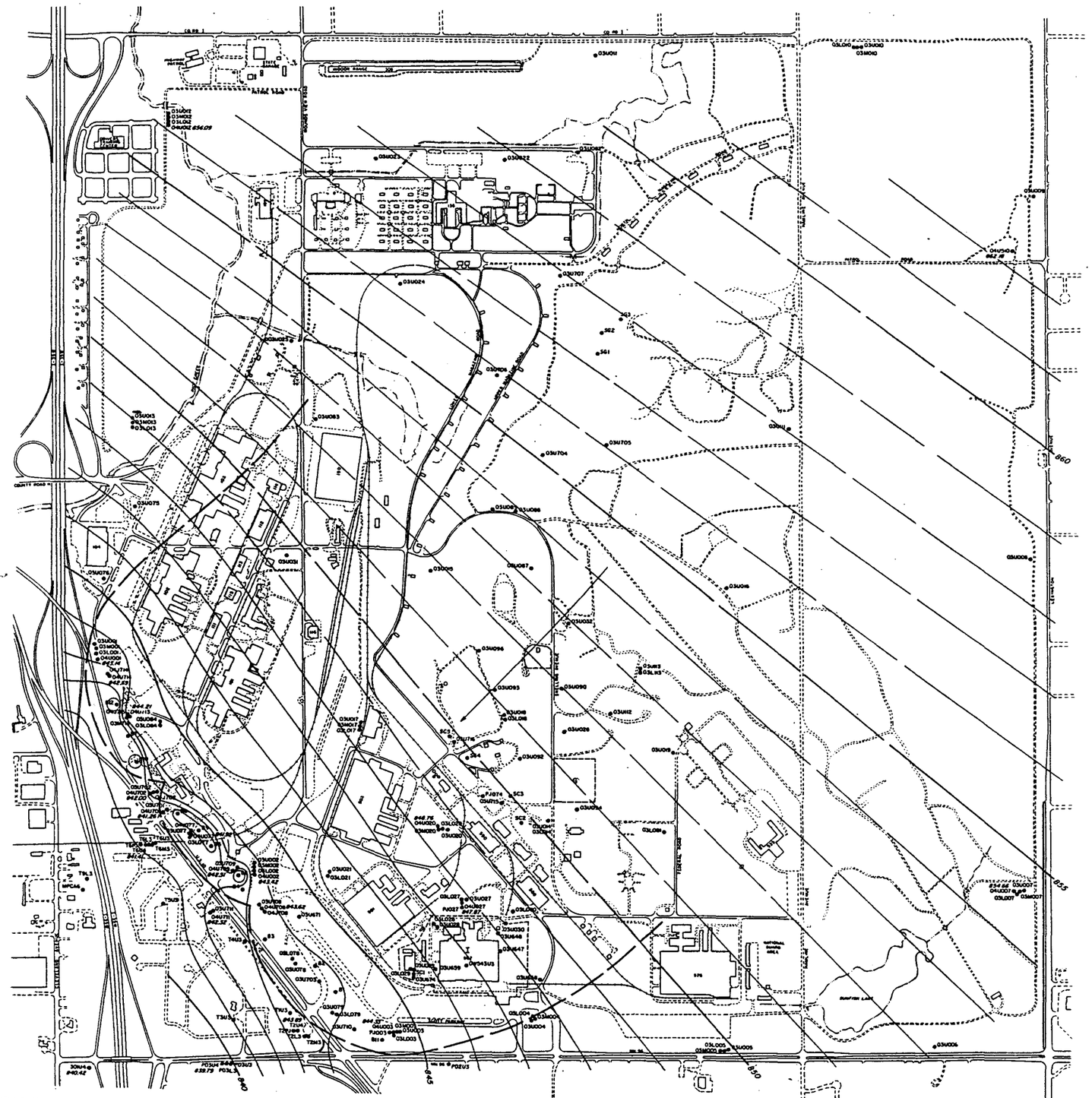
figure 9

UNIT 4 GROUNDWATER CONTOURS

Twin Cities Army Ammunition Plant

CRA

4530-40-8/01/93-M



SCALE: 1" = 1200'

LEGEND

847.34 GROUNDWATER ELEVATION IN FEET AMSL (10-8-92

GROUNDWATER CONTOUR

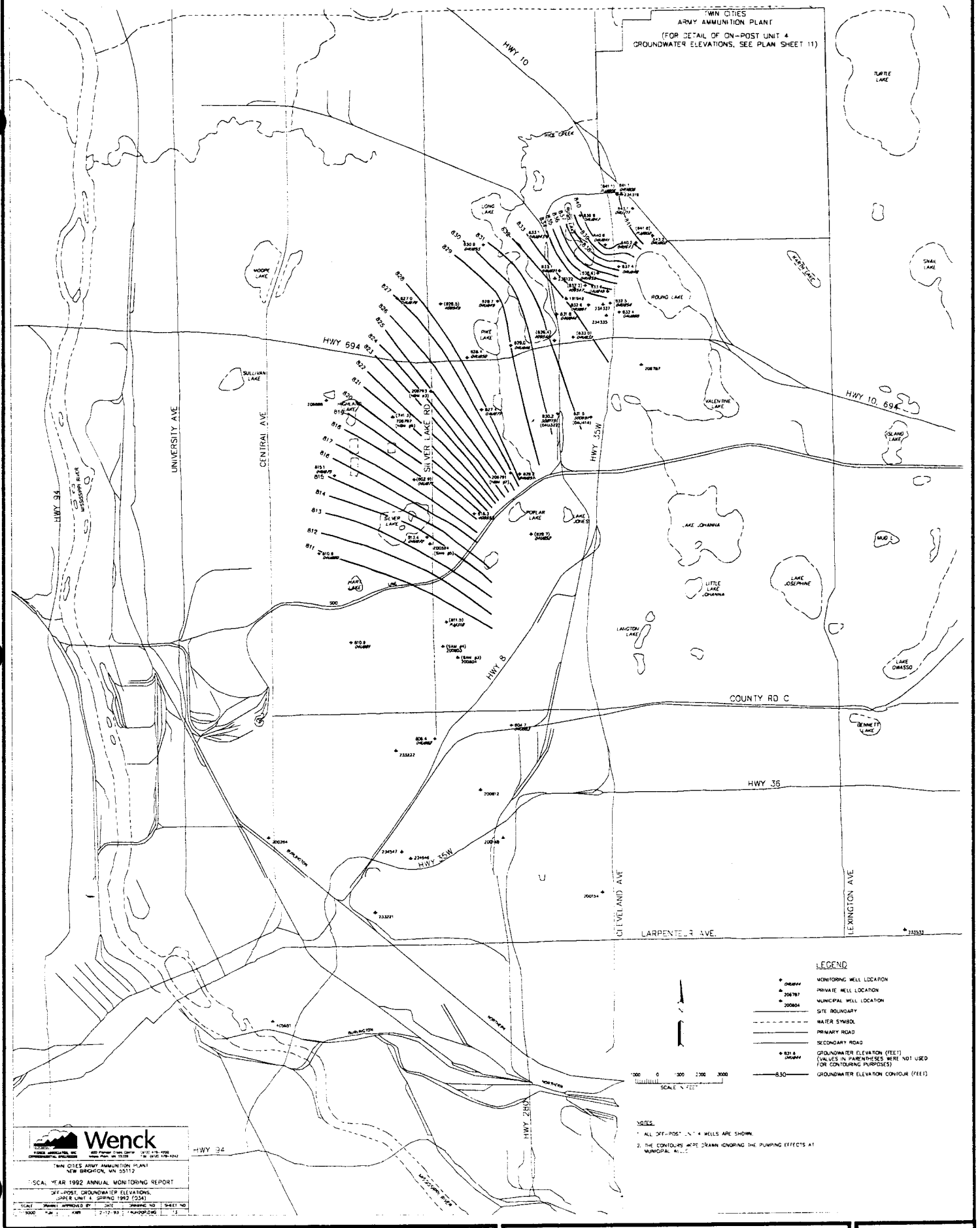
DIRECTION OF GROUNDWATER FLOW

LIMIT OF CAPTURE

CRA

figure 10
UNIT 4 GROUNDWATER CONTOURS
Twin Cities Army Ammunition Plant

4530-40-8/01/93-M



TWIN CITIES ARMY AMMUNITION PLANT

Off-Post Groundwater Elevations, Upper Unit 4, Spring 1992 (Q34)

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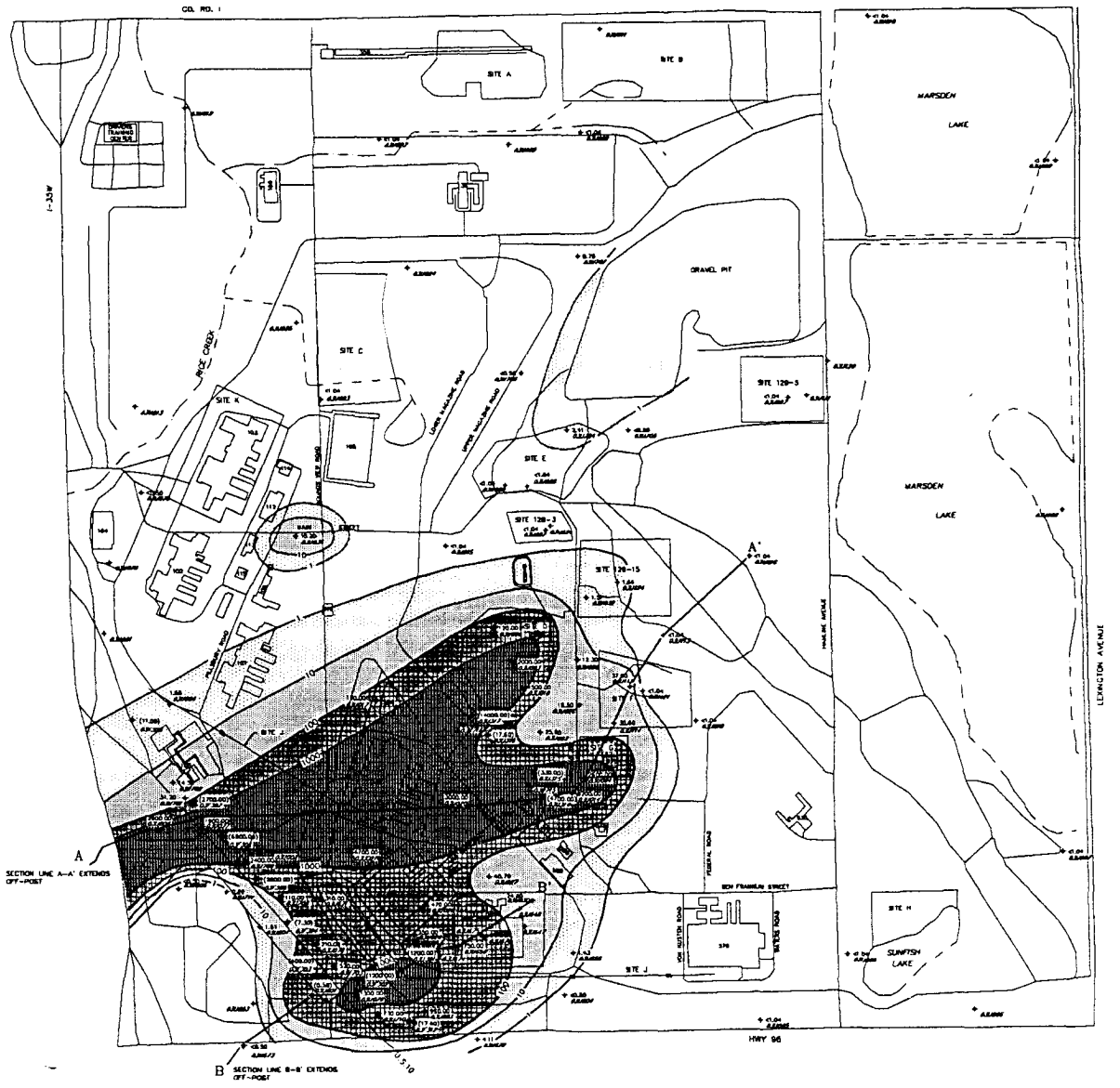
Figure 11



LEGEND

- MONITORING WELL LOCATION
- RECOVERY 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

N

400 0 400 800
SCALE IN FEET

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. THE CONCENTRATION AT 03U801 (0.58 ug/l) IS SHOWN IN PARENTHESES, BUT WAS NOT USED FOR CONTOURING SINCE HISTORICAL DATA HAS HAS ALWAYS BEEN GREATER THAN 800 ug/l.

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TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MN 55112

FISCAL YEAR 1992 ANNUAL MONITORING REPORT

ON-POST, TRICHLOROETHENE, UPPER UNIT 3, SPRING 1992 (Q34)

SCALE	DRAWN	APPROVED BY	DATE	GRAPHIC NO	SHEET NO
1"=800'	SJH	KMS	3-13-93	0U3/TRCL_Q34S	14

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, Trichloroethene,
Upper Unit 3, Spring 1992 (Q34)

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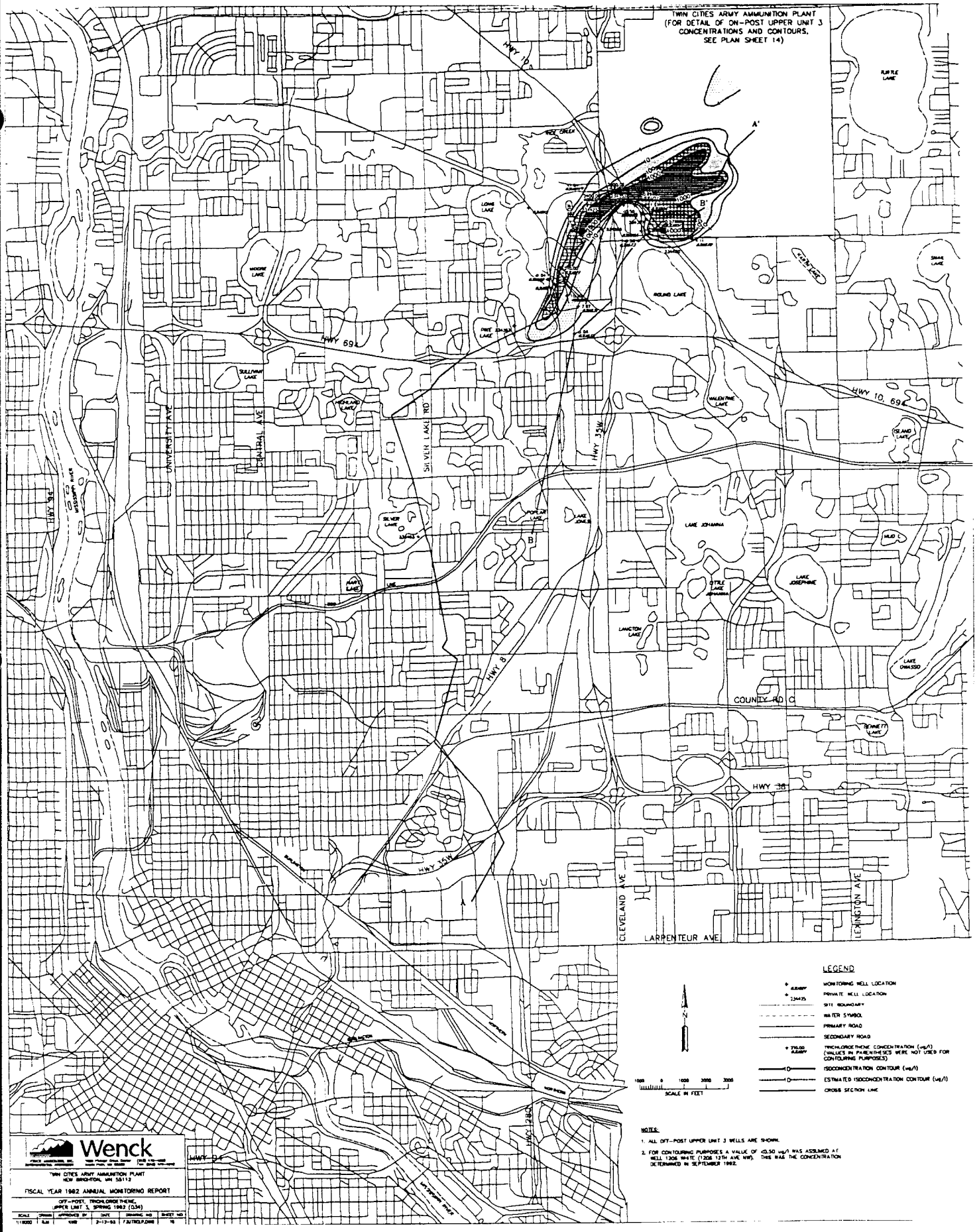
Figure 12



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Off-Post, Trichloroethene,
Upper Unit 3, Spring 1992 (Q34)

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Figure 13

LEGEND

- MONITORING WELL LOCATION
- RECOVERY 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 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

N

400 0 400 800
SCALE IN FEET

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TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MN 55112

FISCAL YEAR 1992 ANNUAL MONITORING REPORT

ON-POST, 1,1,1-TRICHLOROETHANE,
UPPER UNIT 3, SPRING 1992 (Q34)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:4000	RJM	KWB	2-12-93	ON,SU111,DWG	10

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, 1,1,1 - Trichloroethane,
Upper Unit 3, Spring 1992 (Q34)

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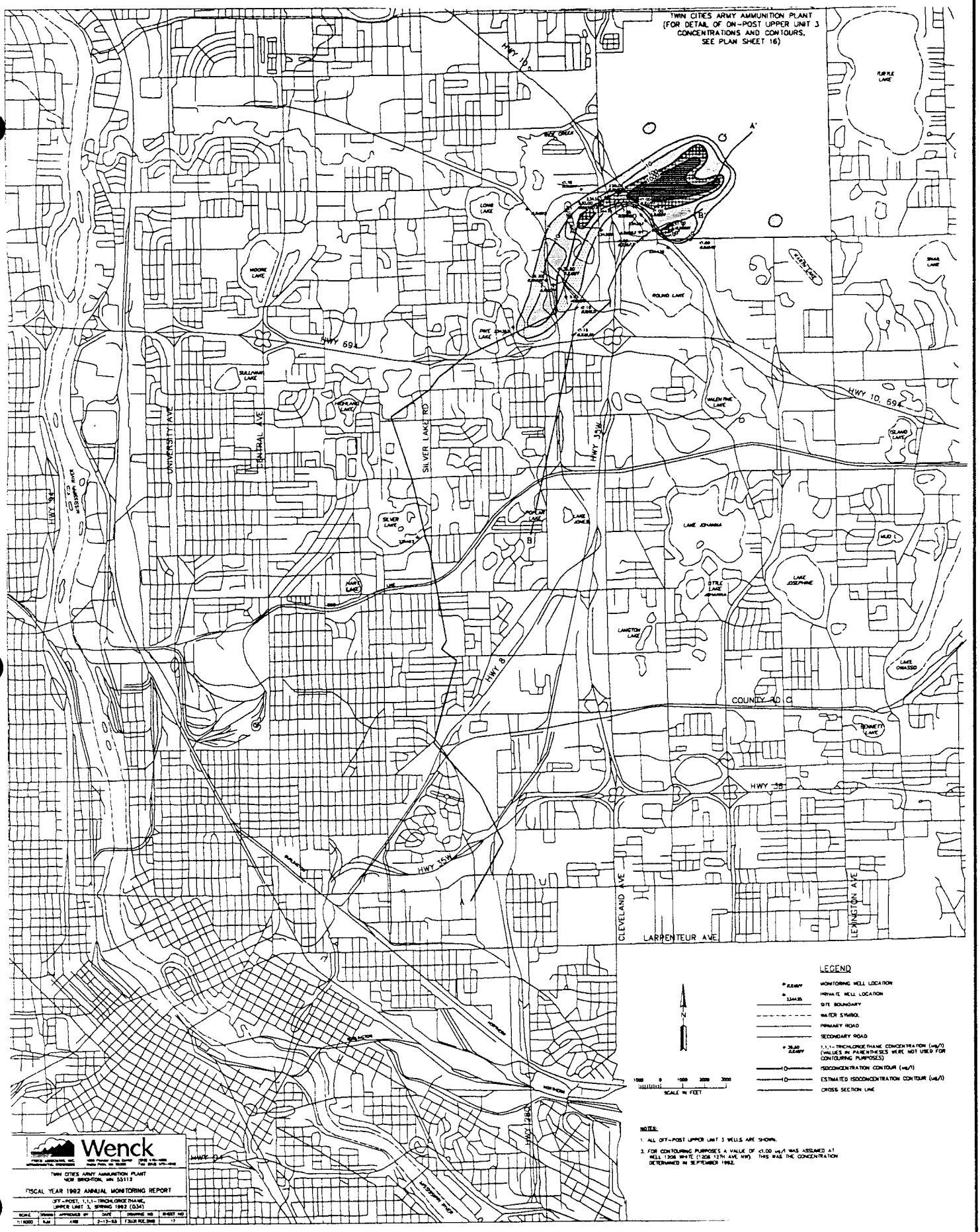
Figure 14



TWIN CITIES ARMY AMMUNITION PLANT

Off-Post, 1,1,1 - Trichloroethane,
Upper Unit 3, Spring 1992 (Q34)

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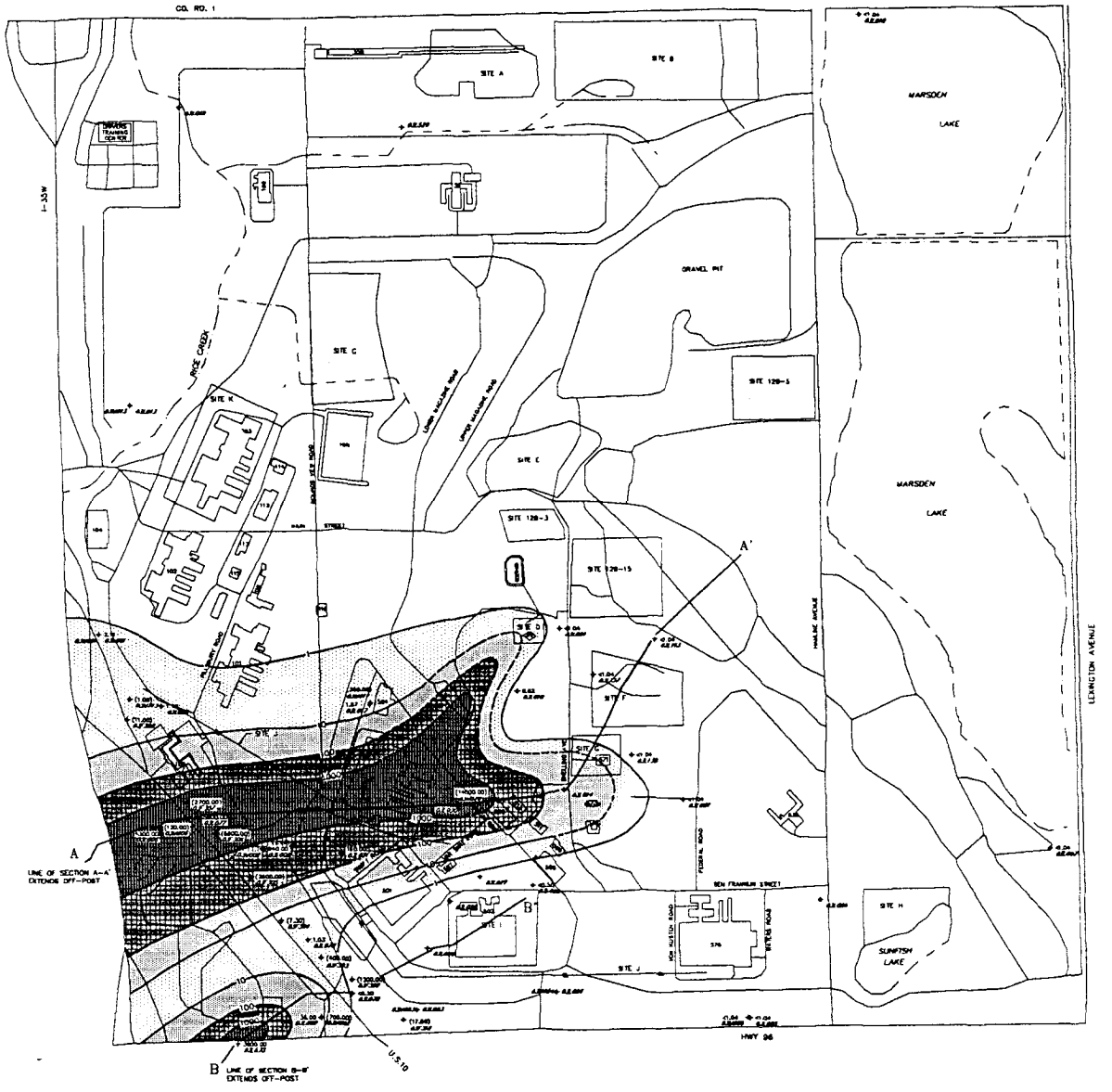
Figure 15



LEGEND

- MONITORING WELL LOCATION
- RECOVERY 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 LOWER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. MIDDLE UNIT 3 WELLS WITH DATA FOR QUARTER 3Q ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. DJF RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. RECOVERY WELL NAME CONVERSIONS:

DJF302	R-1
DJF303	R-2
DJF304	R-3
DJF305	R-4
DJF306	R-5
DJF307	R-6
DJF308	R-7
DJF312	R-11

5. A TRICHLOROETHENE CONCENTRATION OF 4700.00 ug/l WAS ASSUMED AT 03:030 FOR CONTOURING PURPOSES. THIS WAS THE CONCENTRATION ON AUGUST 17, 1988, THE LAST TIME THIS WELL WAS SAMPLED.

400 0 400 800
SCALE IN FEET

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TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MN 55112

FISCAL YEAR 1992 ANNUAL MONITORING REPORT

ON-POST, TRICHLOROETHENE,
LOWER UNIT 3, SPRING 1992 (Q34)

SCALE	DRAWN BY	APPROVED BY	DATE	DRAWING NO	SHEET NO
1"=800'	B.M.	K.WE.	2-13-93	ON_TRICE.DWG	16

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, Trichloroethene,
Lower Unit 3, Spring 1992 (Q34)

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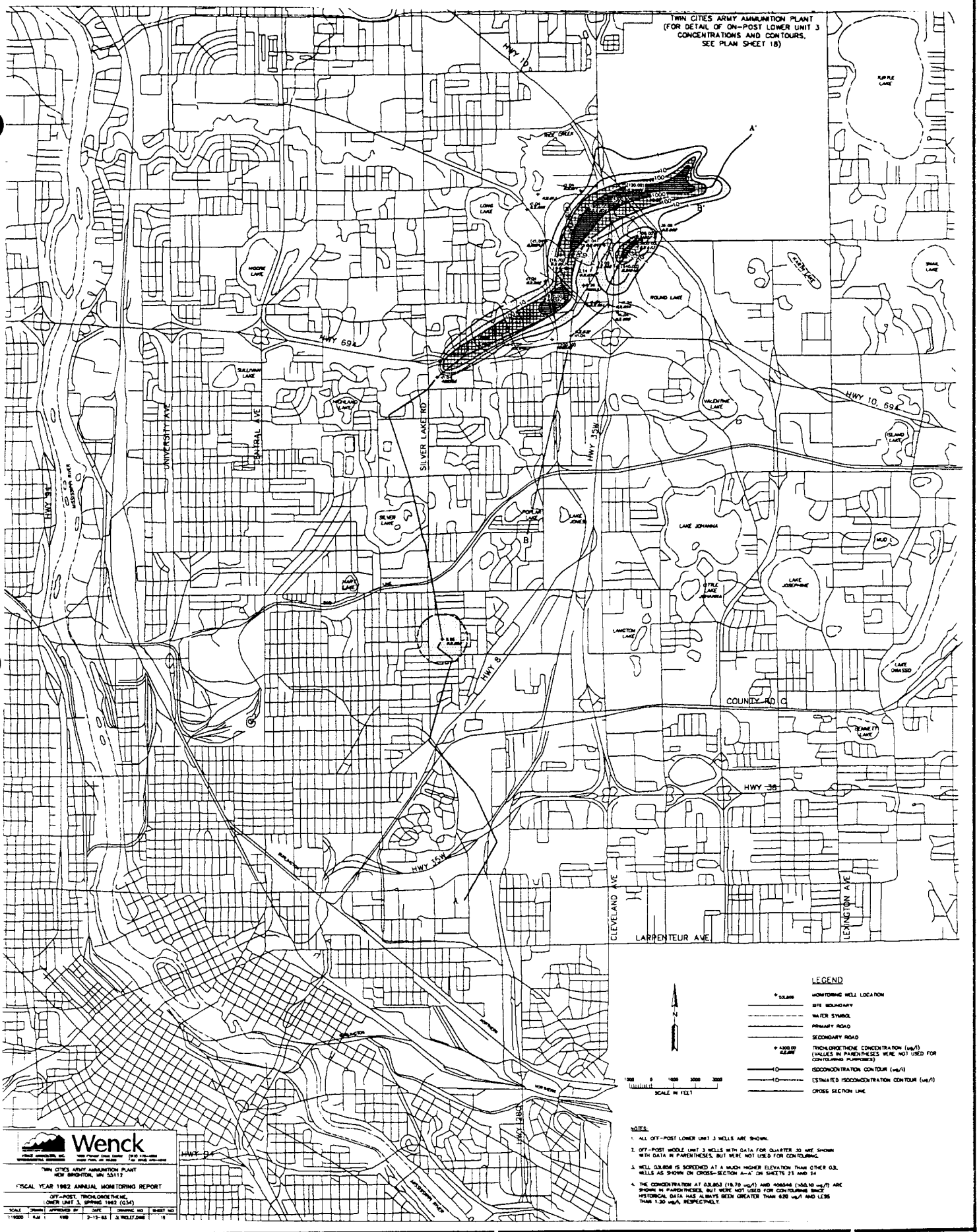
Figure 16



TWIN CITIES ARMY AMMUNITION PLANT

Off-Post, Trichloroethene,
Lower Unit 3, Spring 1992 (Q34)

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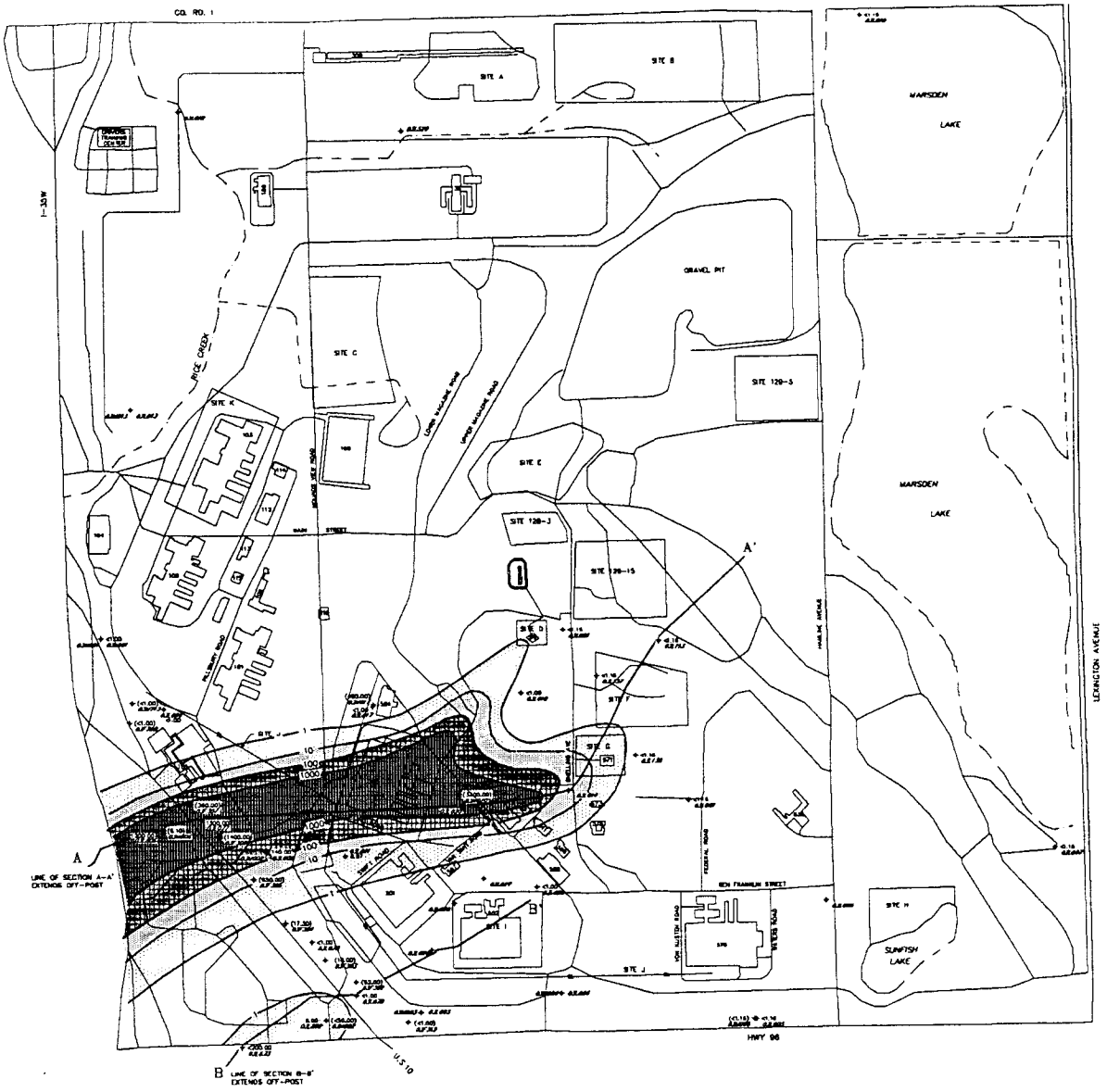
Figure 17



LEGEND

- MONITORING WELL LOCATION
- RECOVERY 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 LOWER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. MIDDLE UNIT 3 WELLS WITH DATA FOR QUARTER 30 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. OLF RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. RECOVERY WELL NAME CONVERSIONS:

OLF302	B-1
OLF303	B-2
OLF304	B-3
OLF305	B-4
OLF306	B-5
OLF307	B-6
OLF308	B-7
OLF312	B-11

5. A 1,1,1-TRICHLOROETHANE CONCENTRATION OF 1,300.00 ug/l WAS ASSIGNED AT OLF-300 FOR CONTOURING PURPOSES. THIS WAS THE CONCENTRATION ON AUGUST 17, 1988, THE LAST TIME THIS WELL WAS SAMPLED.

400 0 400 800
SCALE IN FEET

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TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MN 55112

FISCAL YEAR 1992 ANNUAL MONITORING REPORT

ON-POST, 1,1,1-TRICHLOROETHANE
LOWER UNIT 3, SPRING 1992 (Q34)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1" = 1000'	BJH	KMB	2-19-93	CM111TC.DWG	30

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, 1,1,1 - Trichloroethane, Lower Unit 3, Spring 1992 (Q34)

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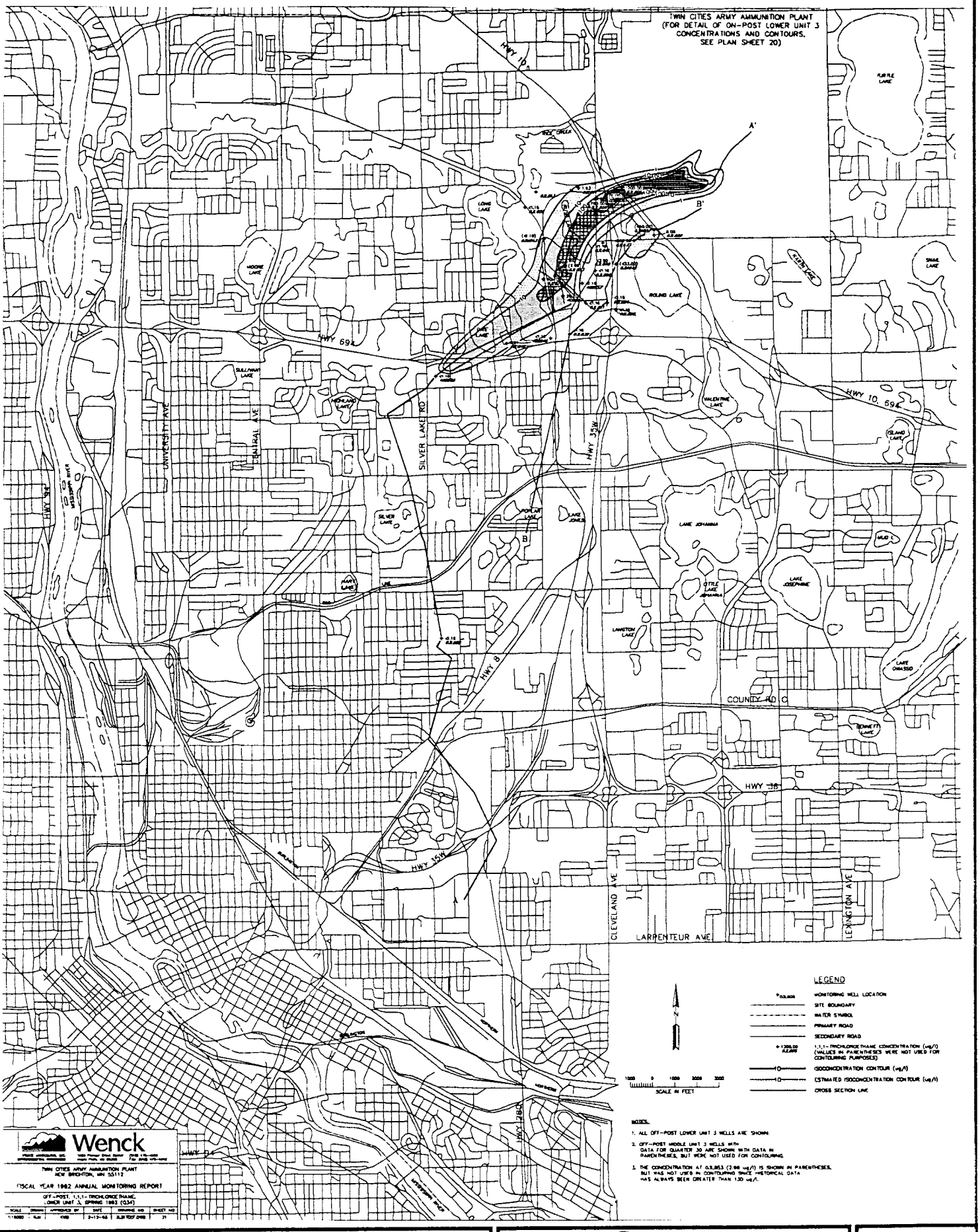
Figure 18



TWIN CITIES ARMY AMMUNITION PLANT

Off-Post, 1,1,1 - Trichloroethane,
Lower Unit 3, Spring 1992 (Q34)

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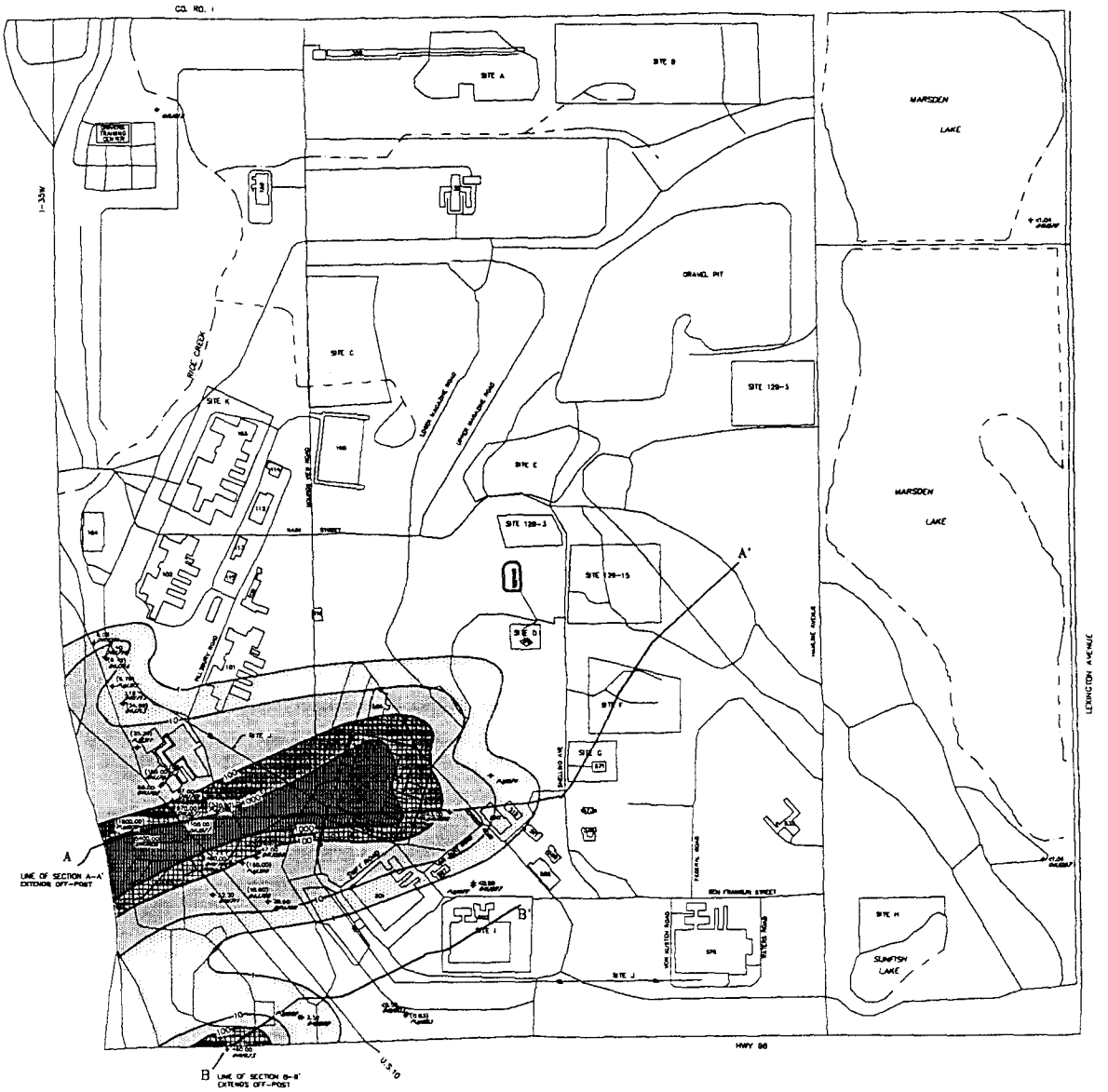
Figure 19



LEGEND

- MONITORING WELL LOCATION
- RECOVERY 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

N

400 0 400 800
SCALE IN FEET

NOTES:

1. ALL UNIT 4 WELLS AT THE SITE ARE SHOWN.
2. ALL DAU WELLS (JORDAN WELLS) WITH DATA FOR QUARTER 34 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. ALL P.W. RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. P.W. MONITORING WELLS WITH DATA FOR QUARTER 34 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
5. RECOVERY WELL NAME CONVERSIONS:

P.W. 308	B-8
P.W. 310	B-9
P.W. 311	B-10
P.W. 313	B-12

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TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MN 55112

FISCAL YEAR 1992 ANNUAL MONITORING REPORT

ON-POST, TRICHLOROETHENE,
UPPER UNIT 4, SPRING 1992 (Q34)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO.	SHEET NO.
1"=800'	RJS	KMS	2-12-93	R:\PJ\TCP\ZMS	77

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, Trichloroethene, Upper Unit 4, Spring 1992 (Q34)

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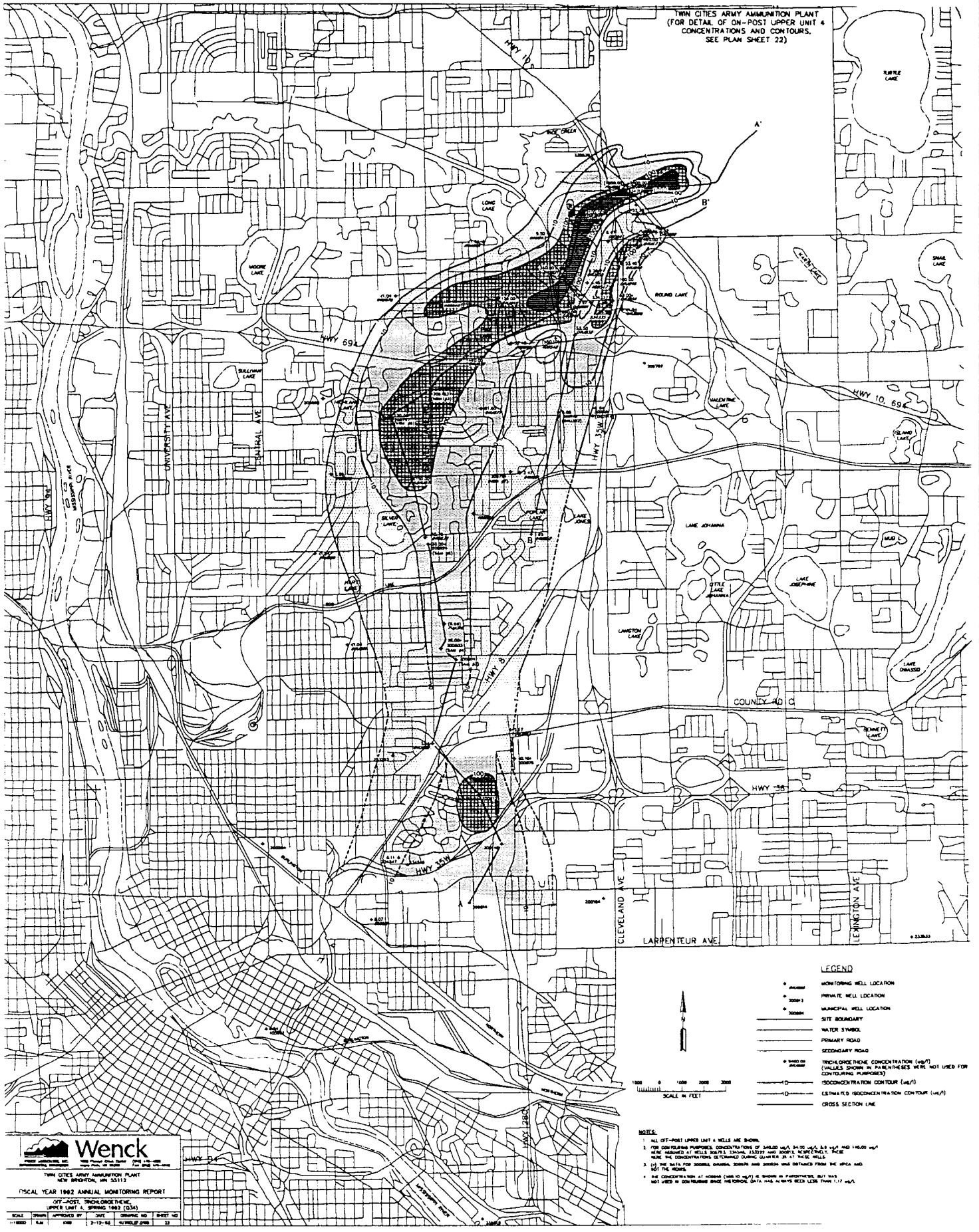
Figure 20



TWIN CITIES ARMY AMMUNITION PLANT

Off-Post, Trichloroethene,
Upper Unit 4, Spring 1992 (Q34)

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Figure 21

LEGEND

- MONITORING WELL LOCATION
- RECOVERY 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

N

400 0 400 800
SCALE IN FEET

NOTES:
1. ALL UNIT 4 WELLS AT THE SITE ARE SHOWN.
2. ALL QAJ WELLS (JORDAN WELLS) WITH DATA FOR QUARTER 34 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 34 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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"TWIN CITIES ARMY AMMUNITION PLANT NEW BRIGHTON, MN 55112
FISCAL YEAR 1992 ANNUAL MONITORING REPORT
ON-POST, 1,1,1-TRICHLOROETHANE, UPPER UNIT 4, SPRING 1992 (Q34)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:4800	RJE	KME	3-12-93	QW4U1112MB	24

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, 1,1,1 - Trichloroethane,
Upper Unit 4, Spring 1992 (Q34)

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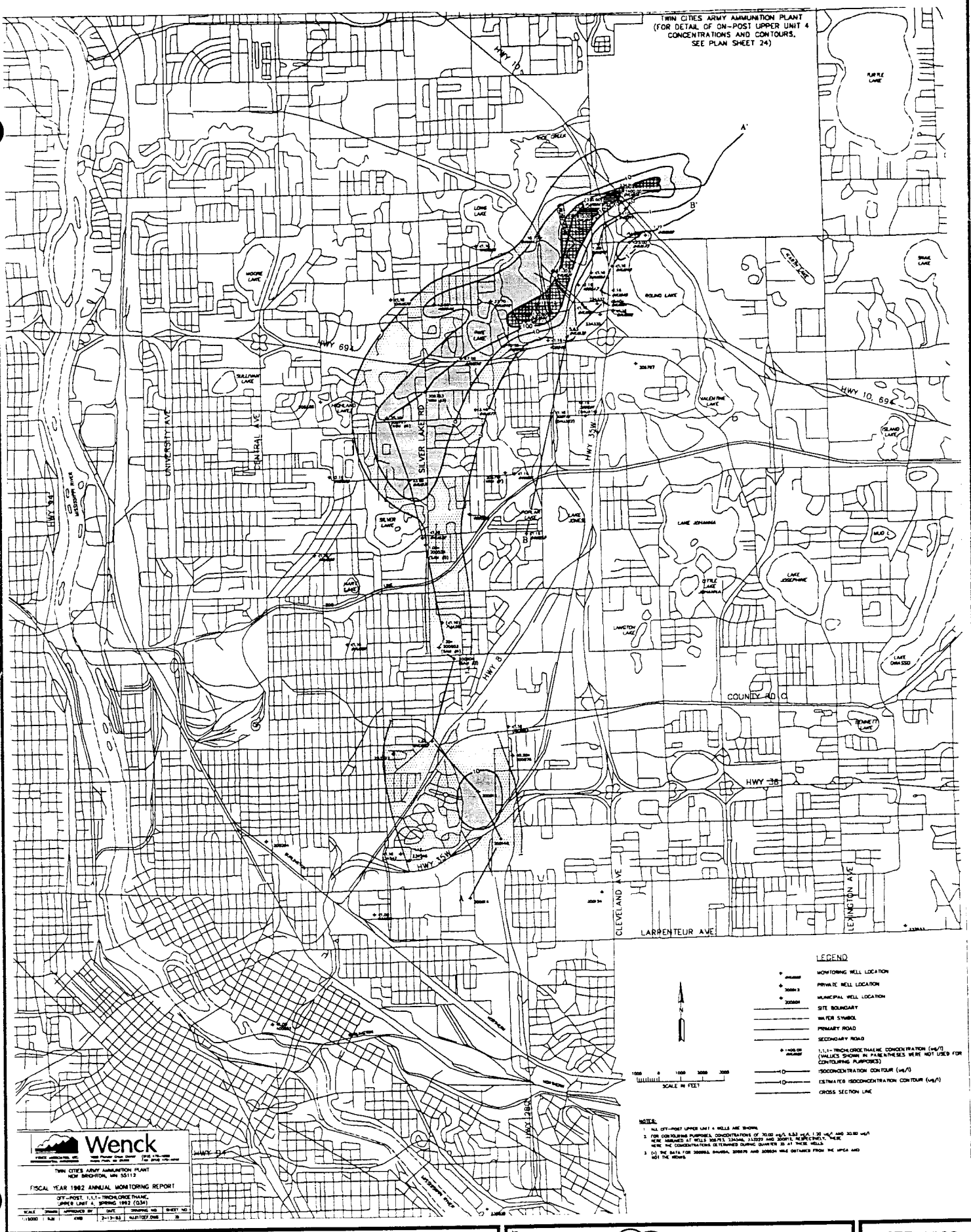
Figure 22



TWIN CITIES ARMY AMMUNITION PLANT

Off-Post, 1,1,1 - Trichloroethane,
Upper Unit 4, Spring 1992 (Q34)

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Environmental Engineers Maple Plain, MN 55359

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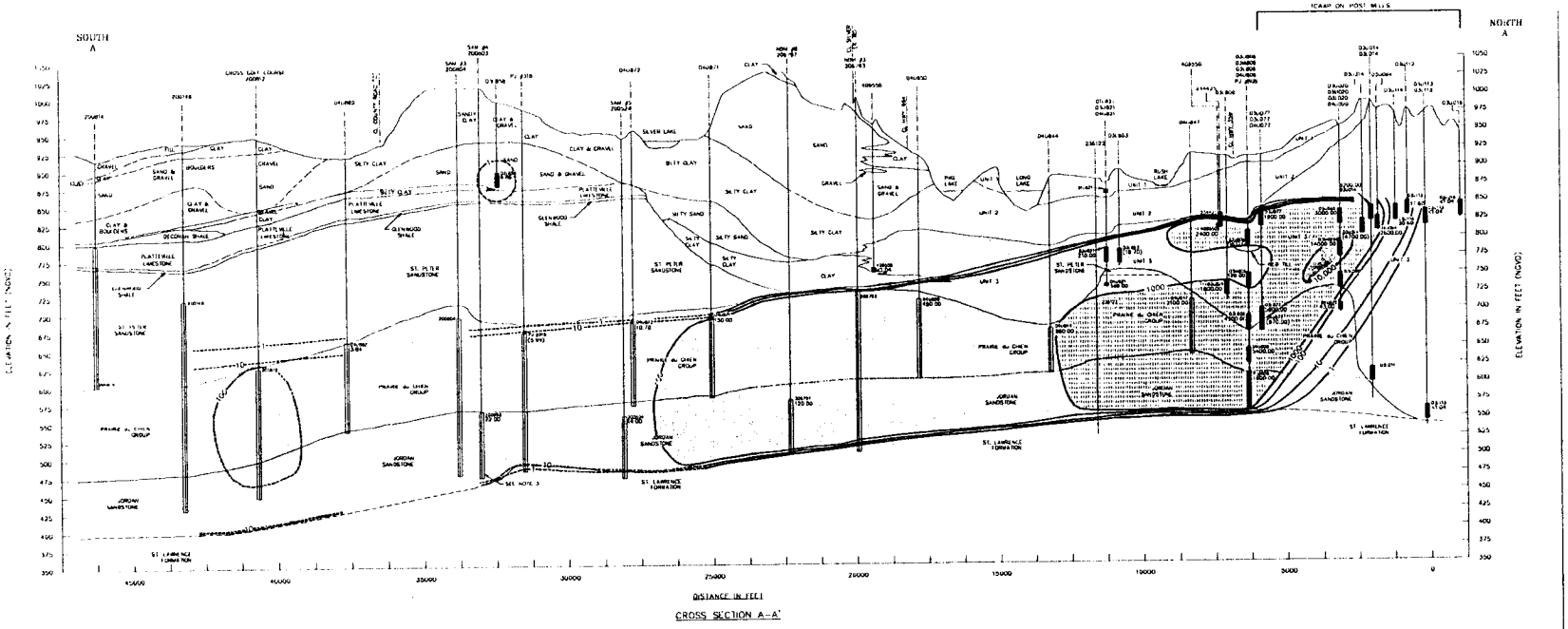
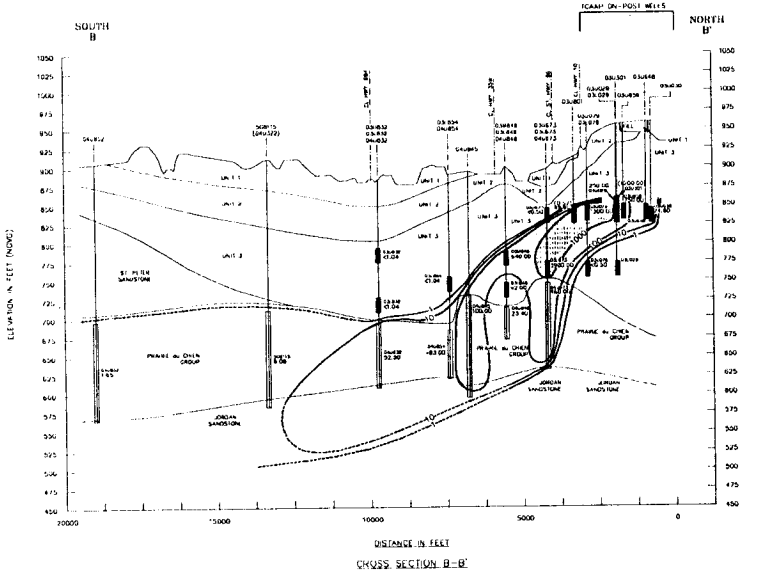
Figure 23



CROSS SECTION A-A'



CROSS SECTION B-B'

NOTES

(1) CROSS SECTIONS TOPOGRAPHY CONSTRUCTED WITH DATA FROM U.S.G.S. NEW BRIGHTON 7.5 MINUTE SERIES QUAD MAP DATED 1981 (PHOTOREVISED 1987 AND 1992) WELL LOCATIONS AND THE "LINE" OF SECTION ARE SHOWN ON SHEET NO. 4.

(2) WELL RISERS, CONSISTING OF INDIVIDUAL WELLS IN THE SAME PROPERTY, 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 (SMW #9) CONCERNING WELL CONSTRUCTION DETAILS. EXPOSURE OF THE OPEN HOLE INTERVAL AS THIS IS BELIEVED TO BE A JORDAN WELL. THE OPEN HOLE WAS ASSUMED TO EXTEND FROM THE TOP OF THE JORDAN TO THE BOTTOM OF THE BORE HOLE.

(4) FOR SECTION B-B' NO INFORMATION WAS AVAILABLE ON THE WELL LOG FOR 03U028 AND SQUARE CORNER RUNNING WELL CONSTRUCTION DETAILS, SPECIFICALLY THE SCREENED INTERVALS. THE SCREENED INTERVALS FOR THESE WELLS WERE ASSUMED TO BE SIMILAR TO OTHER NEARBY UPPER UNIT 3 WELLS.

(5) CONCENTRATIONS.
CROSS SECTION A-A'
• ALL DATA IS FROM SPRING 1992 (Q34) UNLESS OTHERWISE NOTED.
• DATA FOR 03U353, 0HU077 AND P-U018 ARE SHOWN IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
• RECOVERY WELL 03U319 IS SHOWN WITH DATA IN PARENTHESES, BUT WAS NOT USED FOR CONTOURING.
• FOR CONTOURING PURPOSES, CONCENTRATIONS OF 640.00 ug/L AND 140.00 ug/L WERE ASSIGNED AT WELLS 208793 AND 200812, RESPECTIVELY. THESE WERE THE CONCENTRATIONS DETERMINED DURING JUNE 1992 (Q35) AT THESE WELLS.
• WELL 238122 HAS BEEN ABANDONED, BUT IS SHOWN SINCE IT WAS USED TO PREPARE THE CROSS-SECTION.

CROSS SECTION B-B'
• ALL DATA IS FROM SPRING 1992 (Q34) UNLESS OTHERWISE NOTED.
• DATA FOR 03U481 IS SHOWN IN PARENTHESES, BUT WAS NOT USED FOR CONTOURING.
• RECOVERY WELL 03U301 IS SHOWN WITH DATA IN PARENTHESES, BUT WAS NOT USED FOR CONTOURING.
• (+) THE DATA FOR 0HU804 WAS OBTAINED FROM THE MPCA AND NOT THE MWHS.

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)

SCALE
VERTICAL 1 INCH = 50 FEET
HORIZONTAL 1 INCH = 2,500 FEET
V.E. = 25X

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TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MINNESOTA 55112
FISCAL YEAR 1992 ANNUAL MONITORING REPORT
TRICHLOROETHENE CROSS SECTIONS A-A' AND B-B'

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
AS SHOWN	RJW		2-13-93	1015-END-ENG	20

TWIN CITIES ARMY AMMUNITION PLANT

Trichloroethene Cross-Sections A-A' and B-B', Spring 1992 (Q34)

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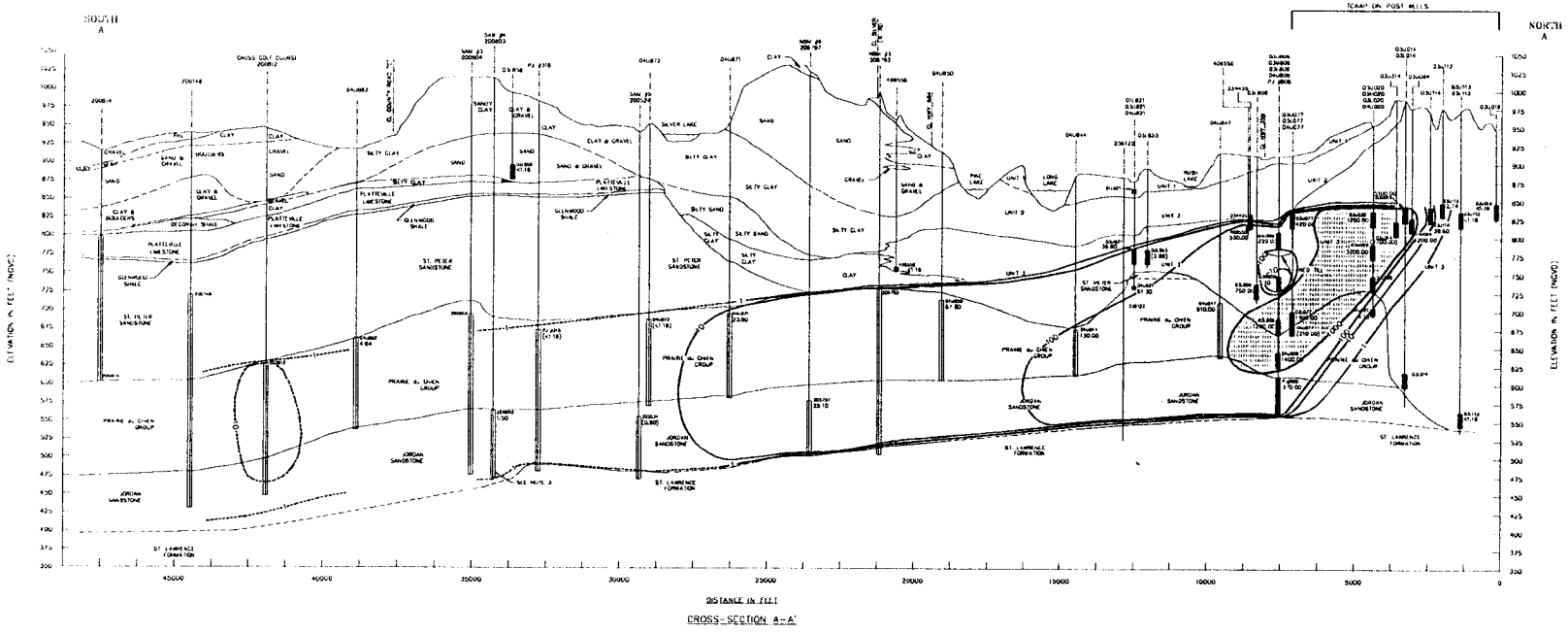
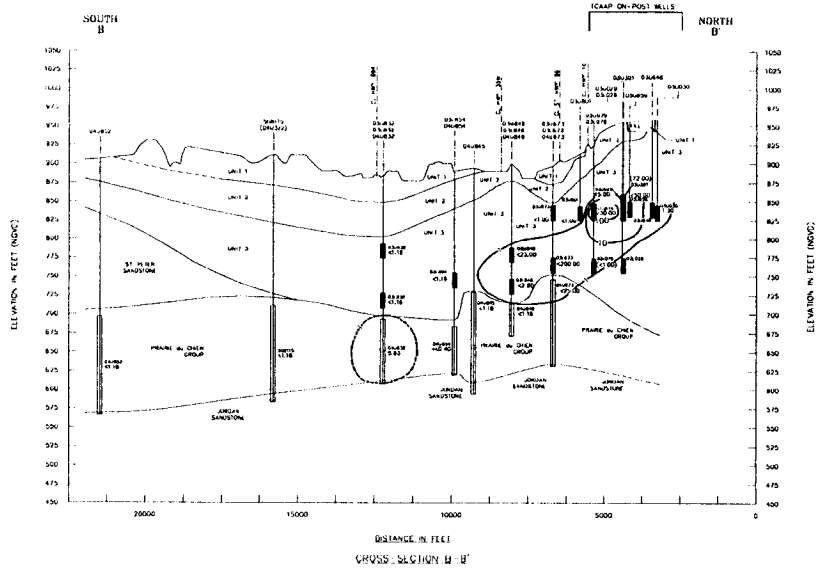
Figure 24





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 PROPERTY, 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 (SAW #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 03U029 AND 03U013 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) CONCENTRATIONS
CROSS SECTION A-A'
* ALL DATA IS FROM SPRING 1992 (Q34) UNLESS OTHERWISE NOTED.
* DATA FOR 04U077, 03U053, 04U072, 04U018 AND 20U534 ARE SHOWN IN PARENTHESES BUT WERE NOT USED FOR CONTOURING.
* RECOVERY WELL 03U314 IS SHOWN WITH DATA IN PARENTHESES, BUT WAS NOT USED FOR CONTOURING.
* FOR CONTOURING PURPOSES CONCENTRATIONS OF 70.00 ug/l AND 20.00 ug/l WERE ASSUMED AT WELLS 20U763 AND 20U812, RESPECTIVELY. THESE WERE THE CONCENTRATIONS DETERMINED DURING JUNE 1992 (Q35) AT THESE WELLS.
* WELL 23U122 HAS BEEN ABANDONED, BUT IS SHOWN SINCE IT WAS USED TO PREPARE THE CROSS-SECTION.

CROSS SECTION B-B'
* ALL DATA IS FROM SPRING 1992 (Q34) UNLESS OTHERWISE NOTED.
* WELLS WITH DATA REPORTED AS < (LESS THAN) VALUES WERE CONTOURED BASED ON THEIR HISTORICAL ANALYTICAL RESULTS.
* RECOVERY WELL 03U301 IS SHOWN WITH DATA IN PARENTHESES, BUT WAS NOT USED FOR CONTOURING.
* THE DATA FOR 04U034 WAS OBTAINED FROM THE APCA AND NOT THE IRONS.

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)

SCALE
VERTICAL 1 INCH = 50 FEET
HORIZONTAL 1 INCH = 1200 FEET
V.E. = 250

Wenck
TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON MINNESOTA 55112
FISCAL YEAR 1992 ANNUAL MONITORING REPORT
1,1,1-TRICHLOROETHANE CROSS SECTIONS A-A' AND B-B'

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO.	SHEET No.
AS SHOWN	RJM	KMD	2-12-93	TCKSTOC.DWG	27

TWIN CITIES ARMY AMMUNITION PLANT

1,1,1 - Trichloroethane Cross-Sections A-A' and B-B', Spring 1992 (Q34)

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Environmental Engineers Maple Plain, MN 55359

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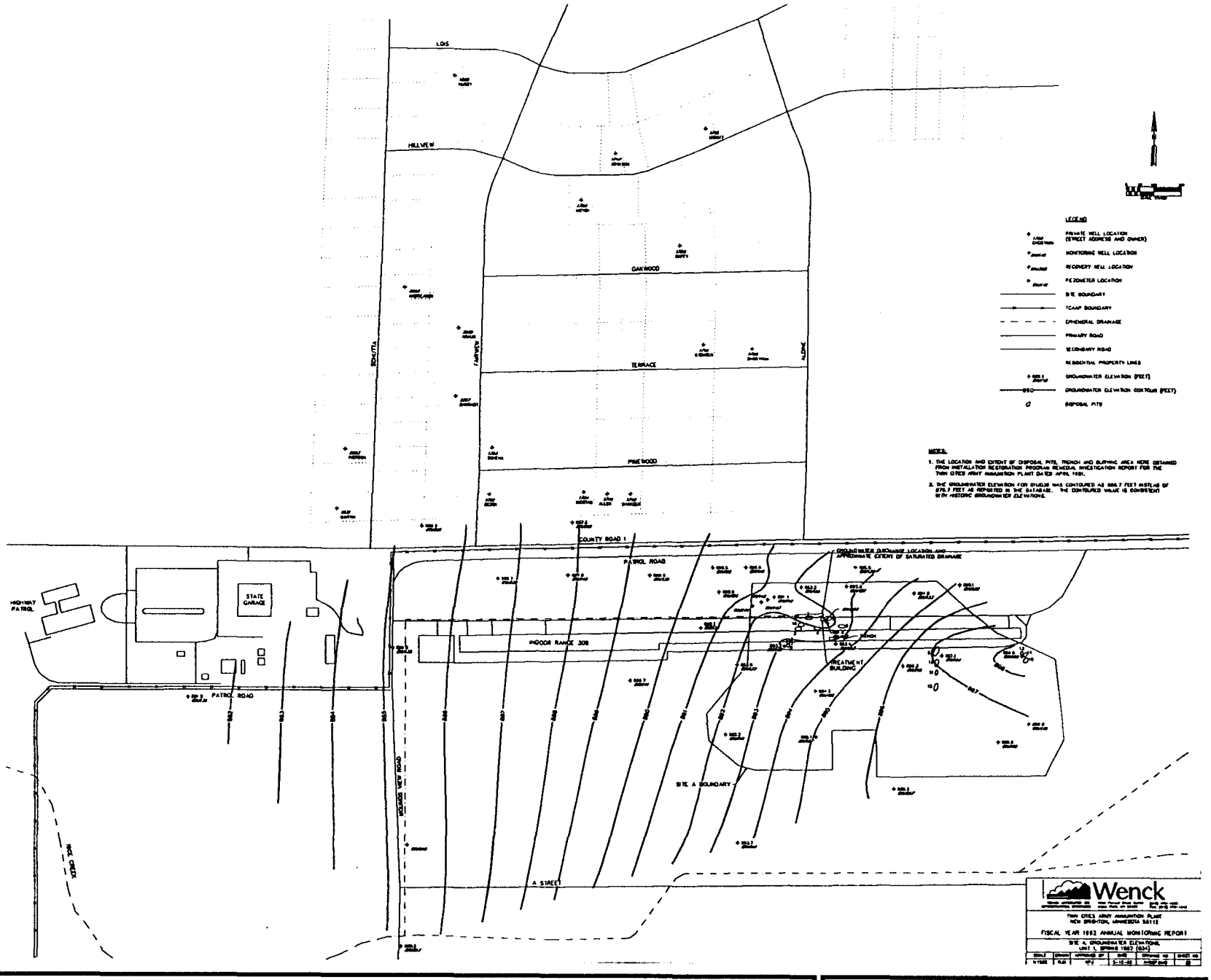
Figure 25



TWIN CITIES ARMY AMMUNITION PLANT

Site A, Groundwater Elevations, Upper Unit 1, Spring 1992 (Q34)

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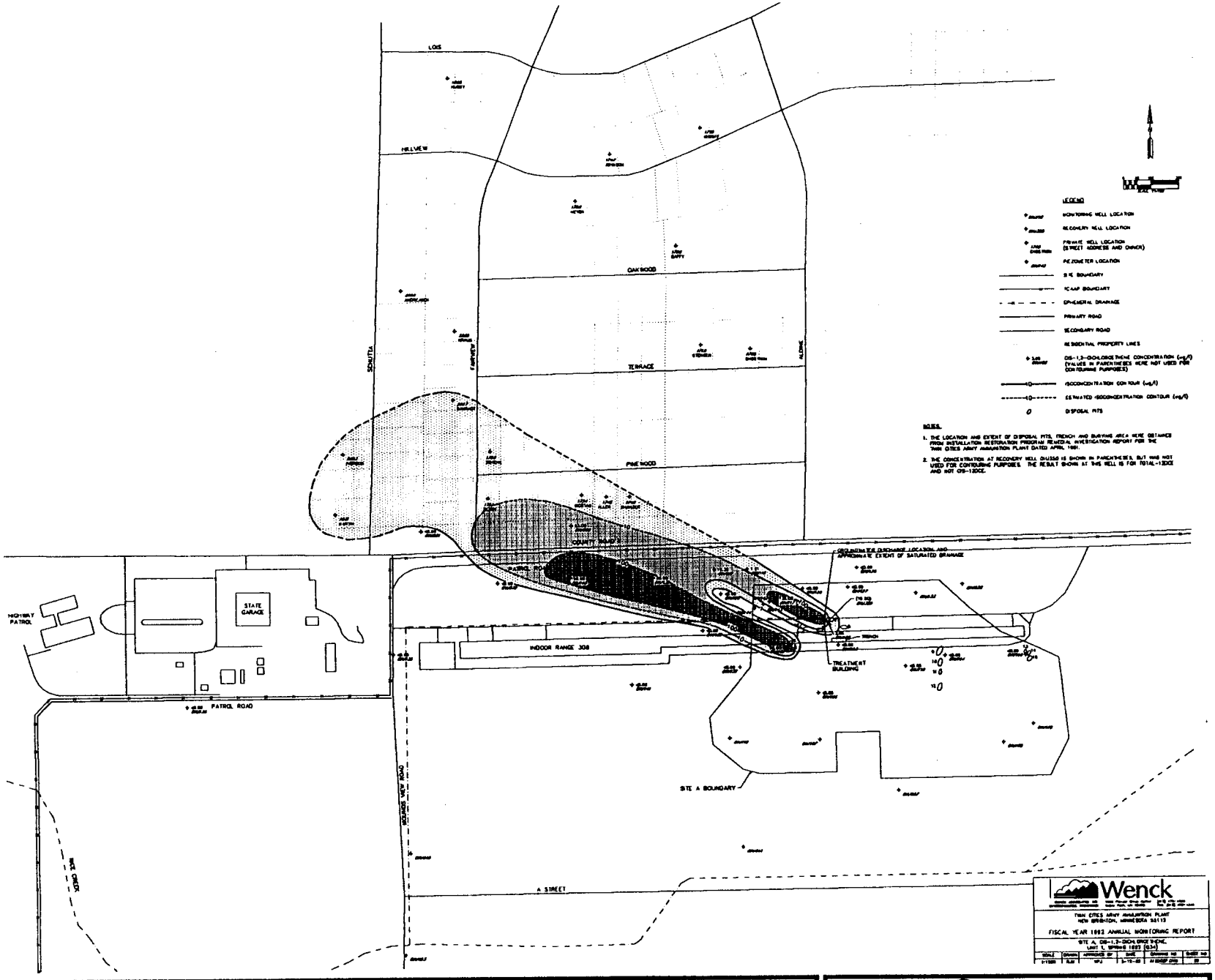
Figure 26



TWIN CITIES ARMY AMMUNITION PLANT

Site A, Cis - 1,2 - Dichloroethene, Upper Unit 1, Spring 1992 (Q34)

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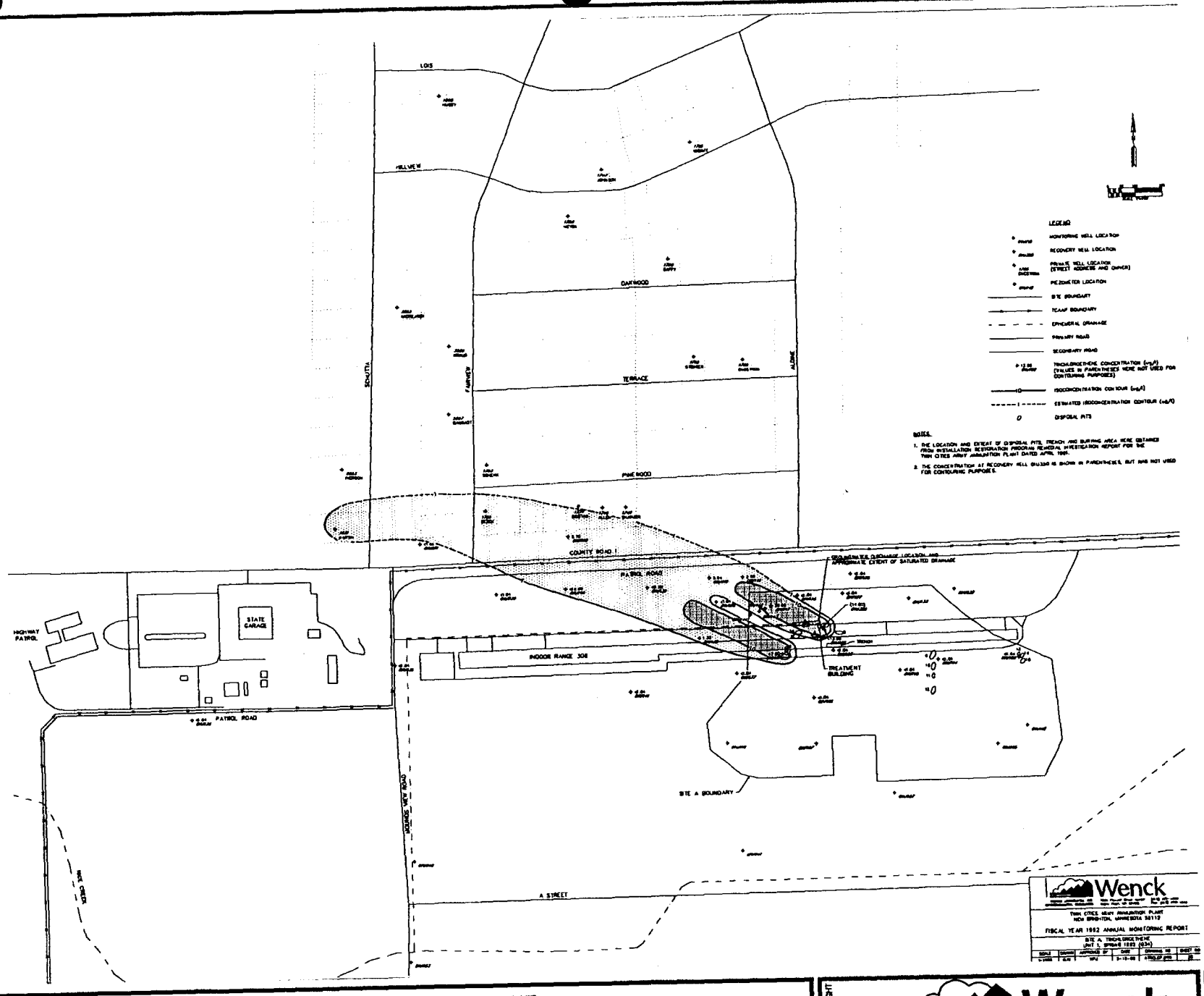
Figure 27



TWIN CITIES ARMY AMMUNITION PLANT

Site A, Tricholoroethene, Upper Unit 1, Spring 1992 (Q34)

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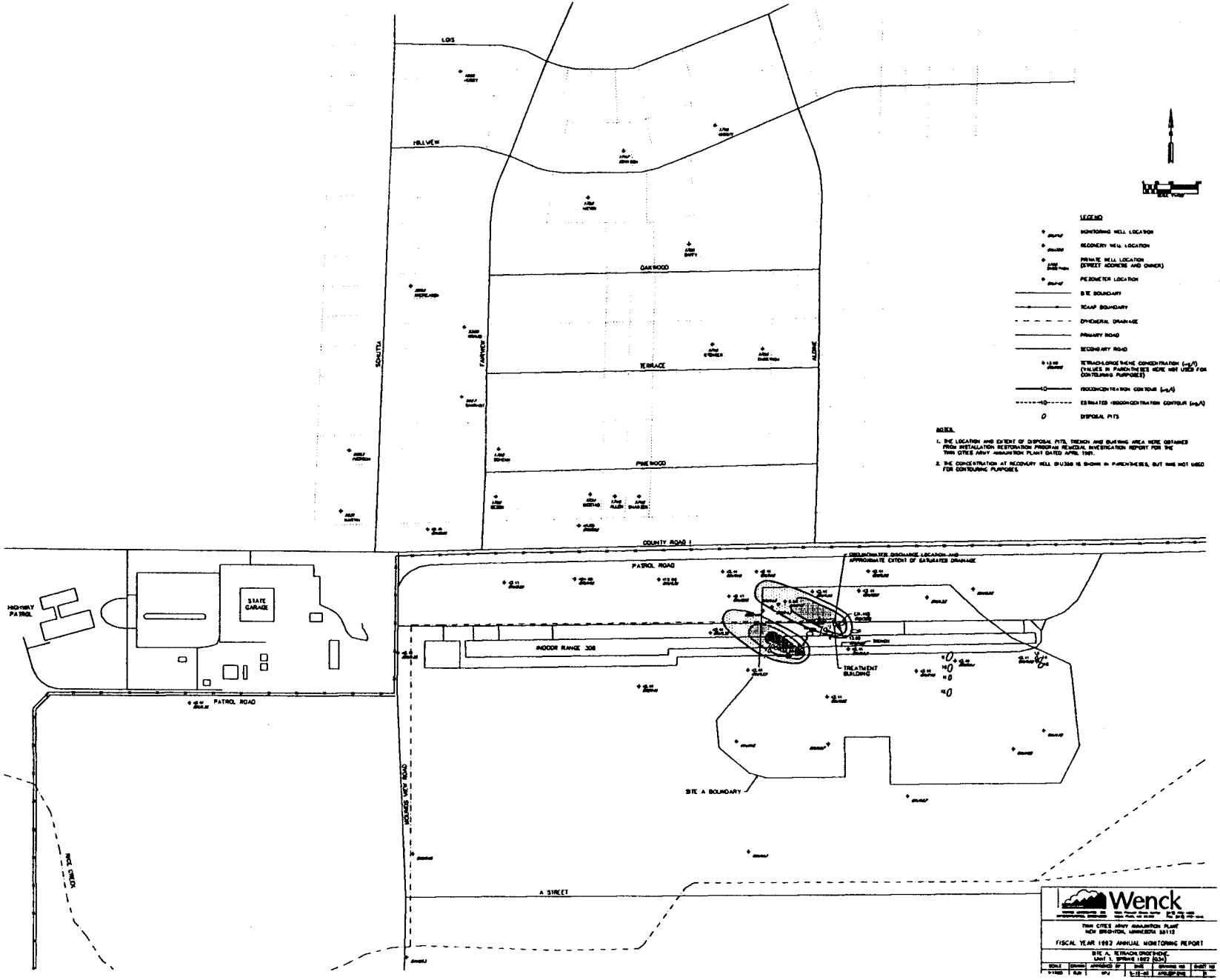
Figure 28



TWIN CITIES ARMY AMMUNITION PLANT

Site A, Tetracholoroethene, Upper Unit 1, Spring 1992 (Q34)

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Figure 29

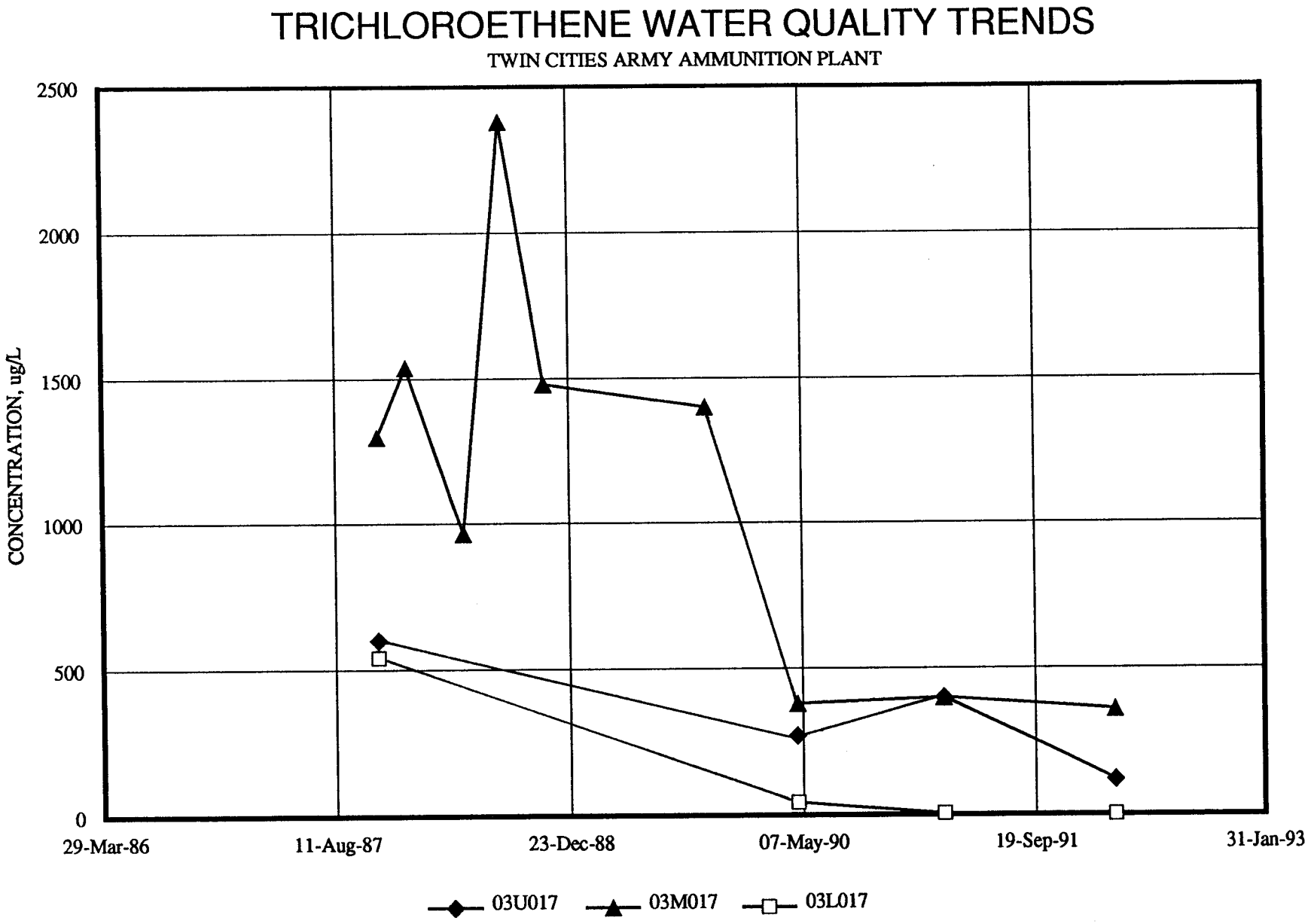


Figure 30, SITE D, 017 Well Nest
WENCK ASSOCIATES, INC.

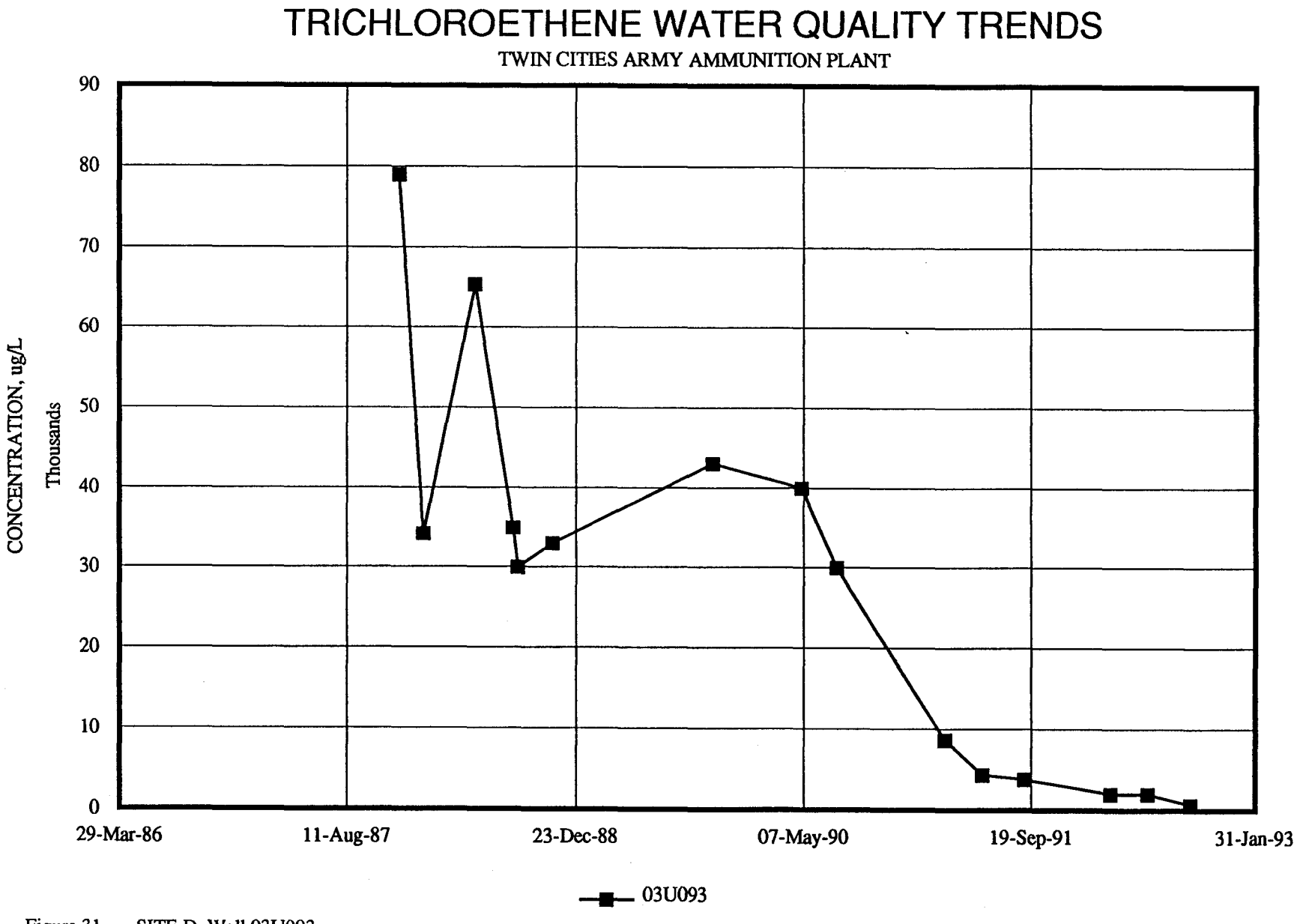


Figure 31, SITE D, Well 03U093
WENCK ASSOCIATES, INC.

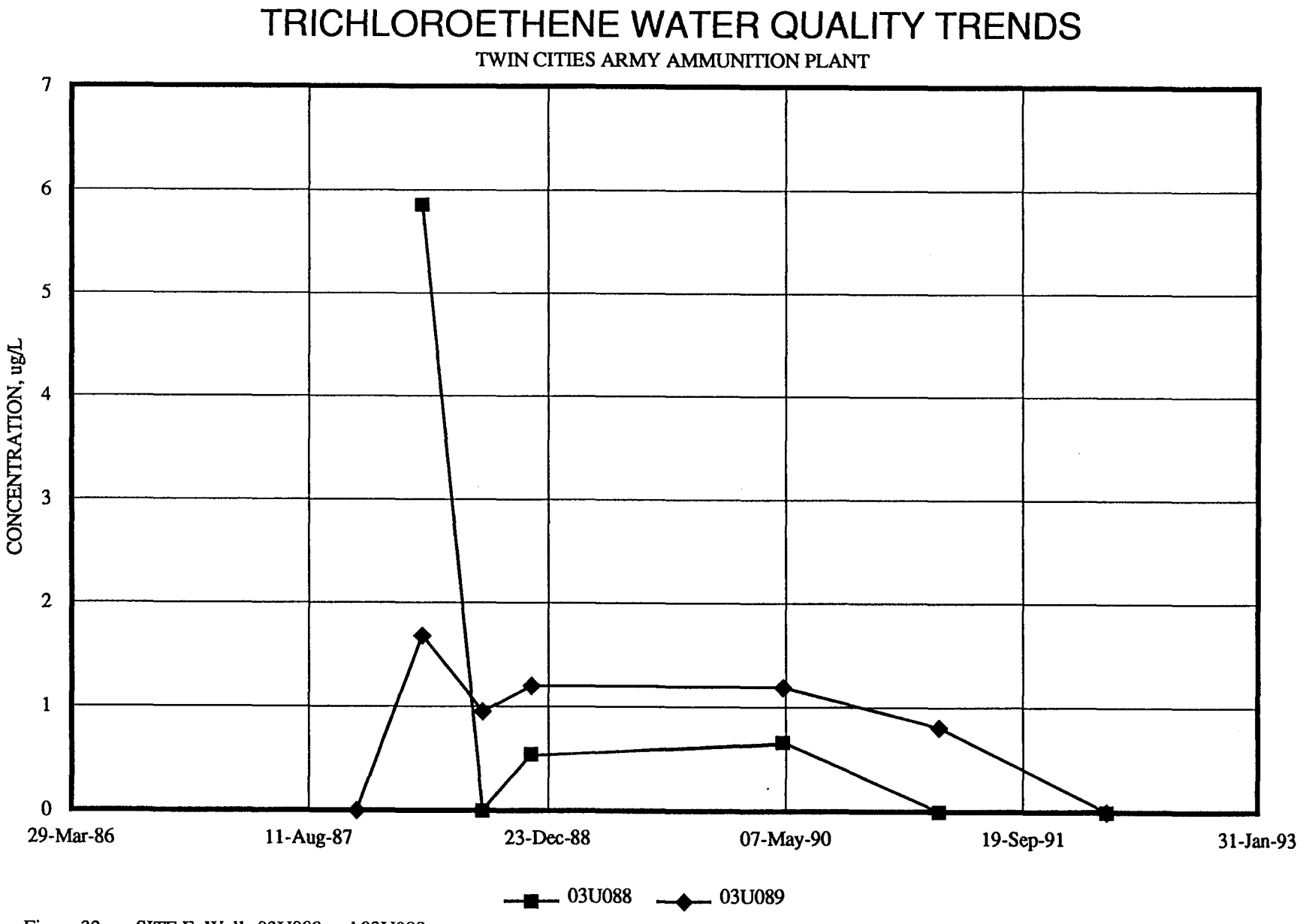


Figure 32, SITE E, Wells 03U088 and 03U089
WENCK ASSOCIATES, INC.

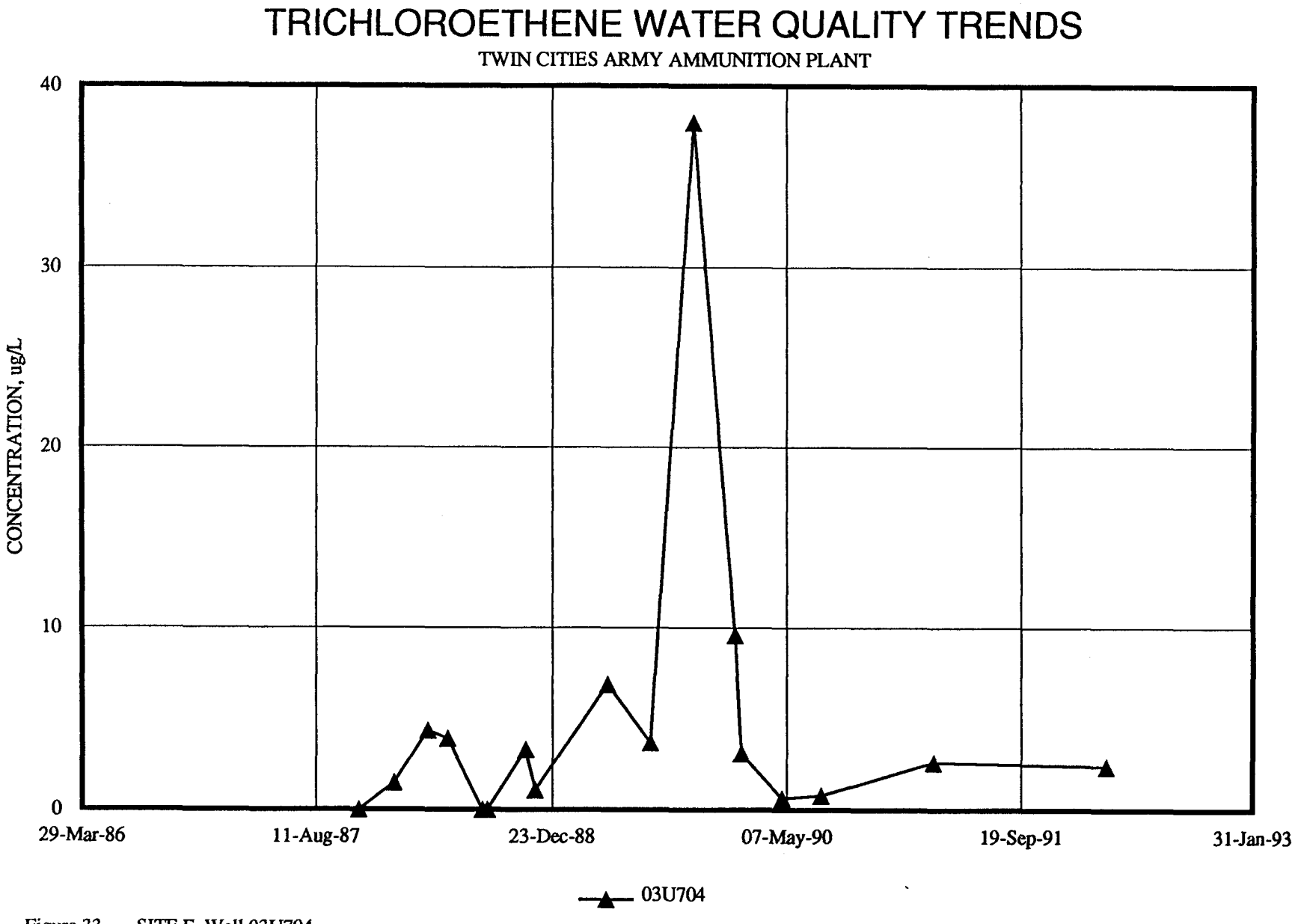


Figure 33, SITE E, Well 03U704
WENCK ASSOCIATES, INC.

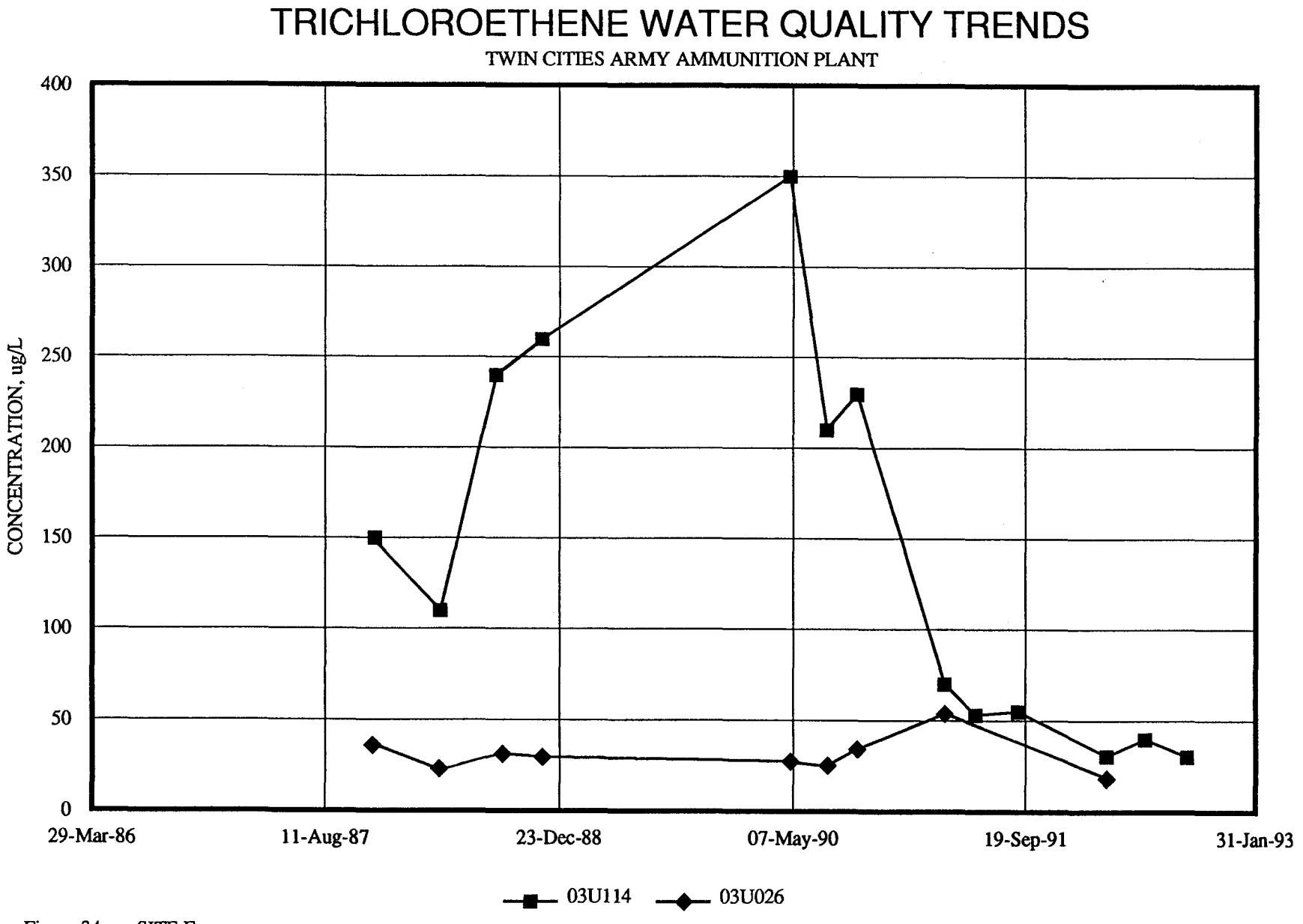


Figure 34, SITE F
WENCK ASSOCIATES, INC.

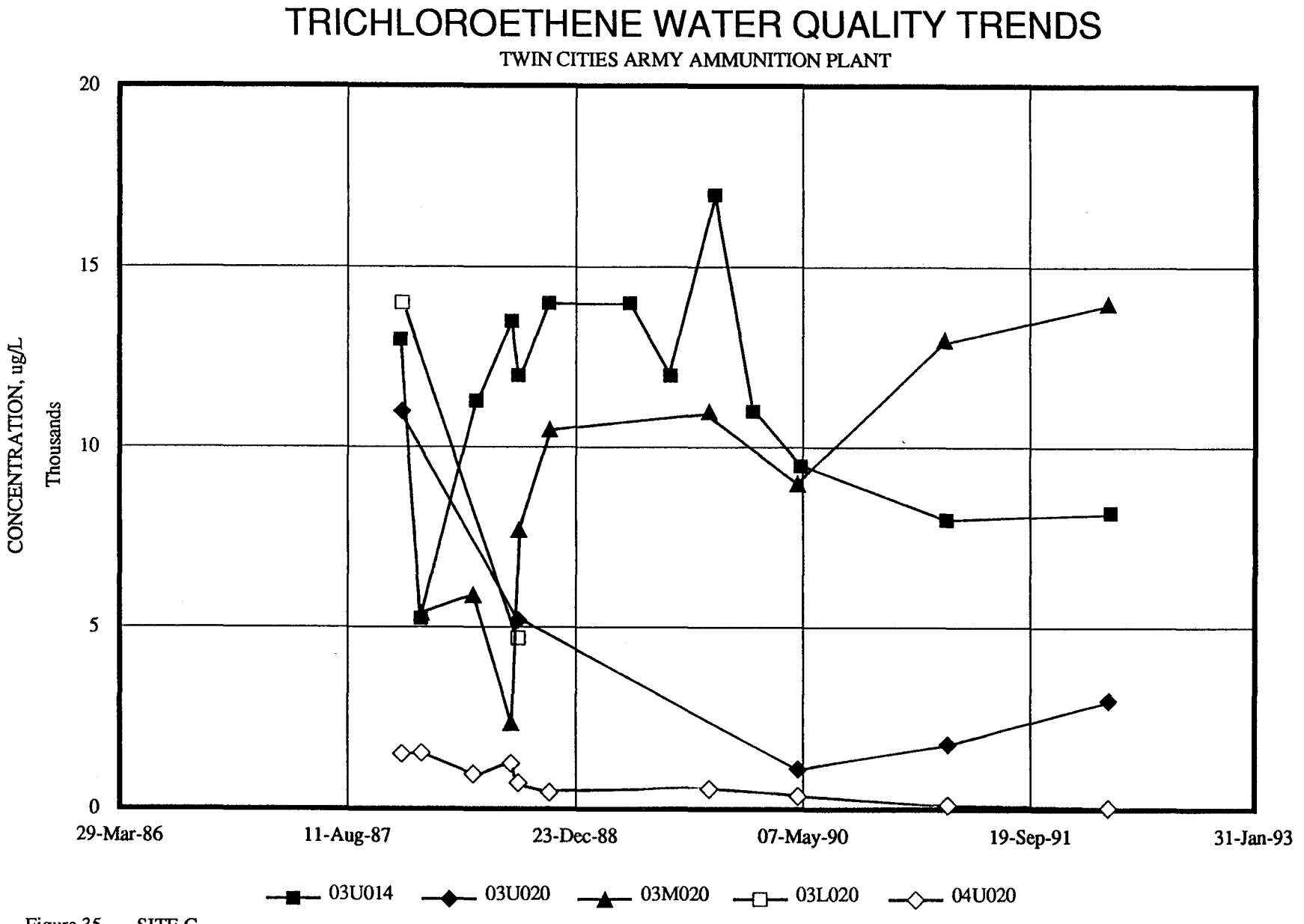


Figure 35, SITE G
WENCK ASSOCIATES, INC.

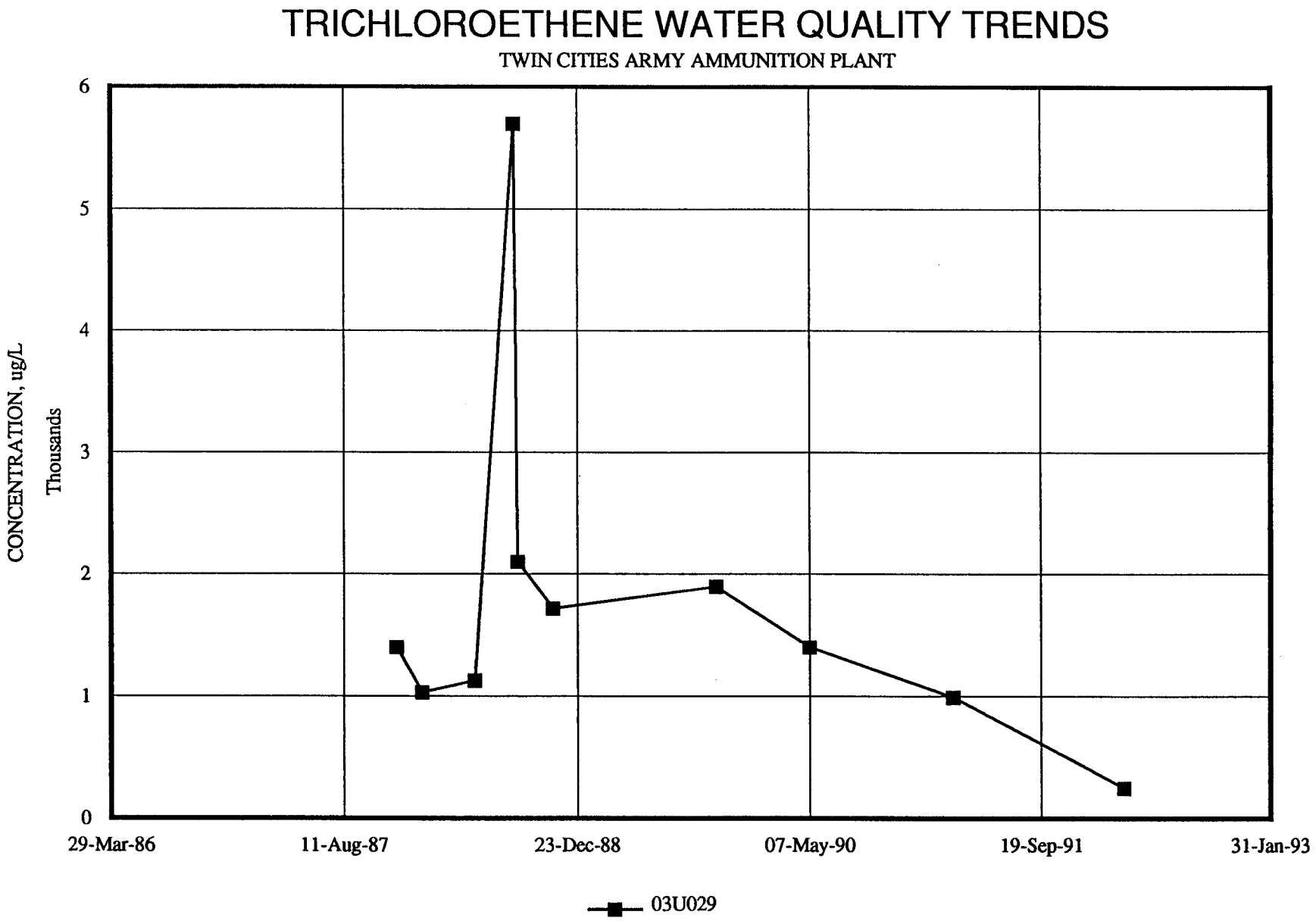


Figure 36, SITE I
WENCK ASSOCIATES, INC.

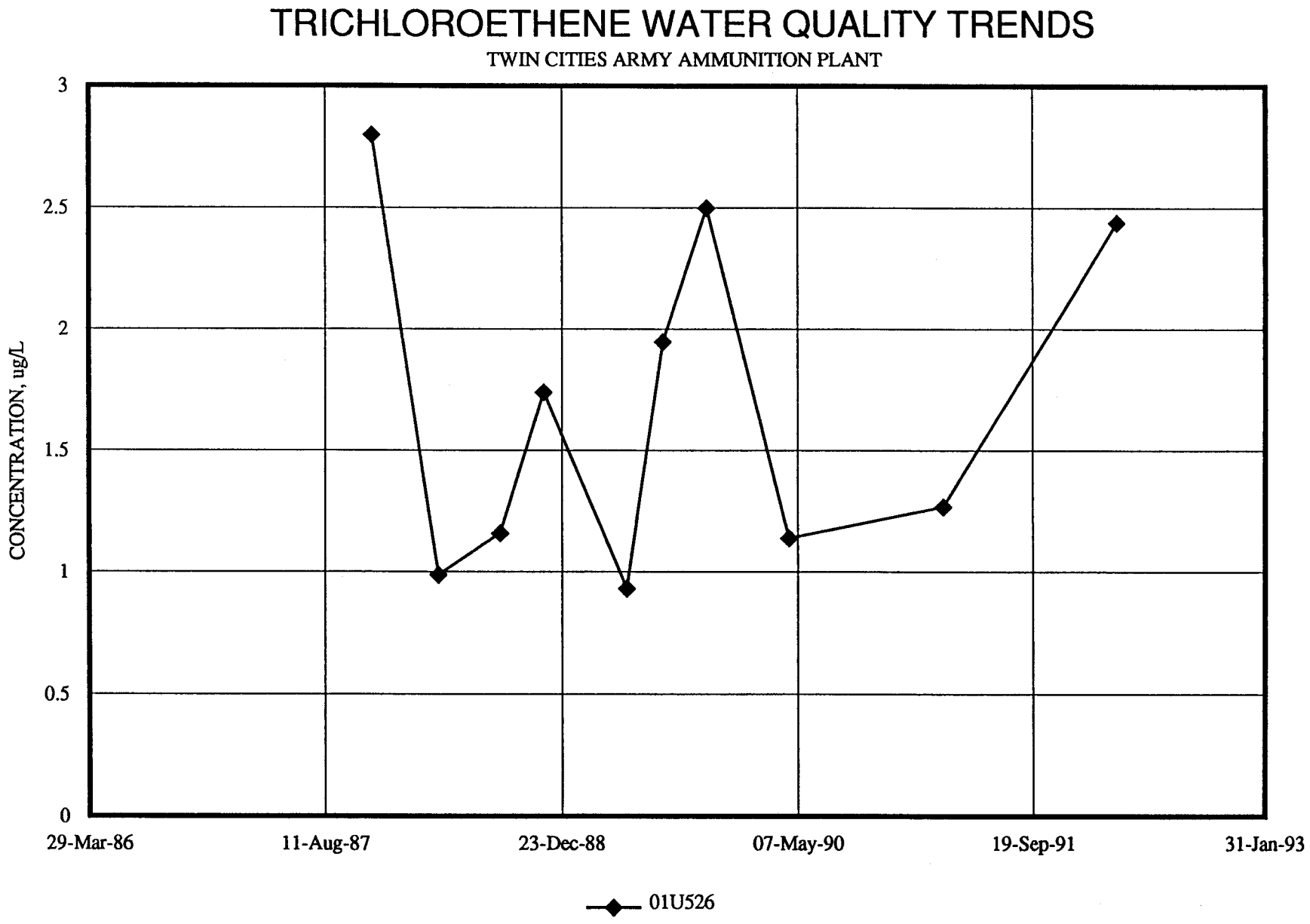


Figure 37, SITE J
WENCK ASSOCIATES, INC.

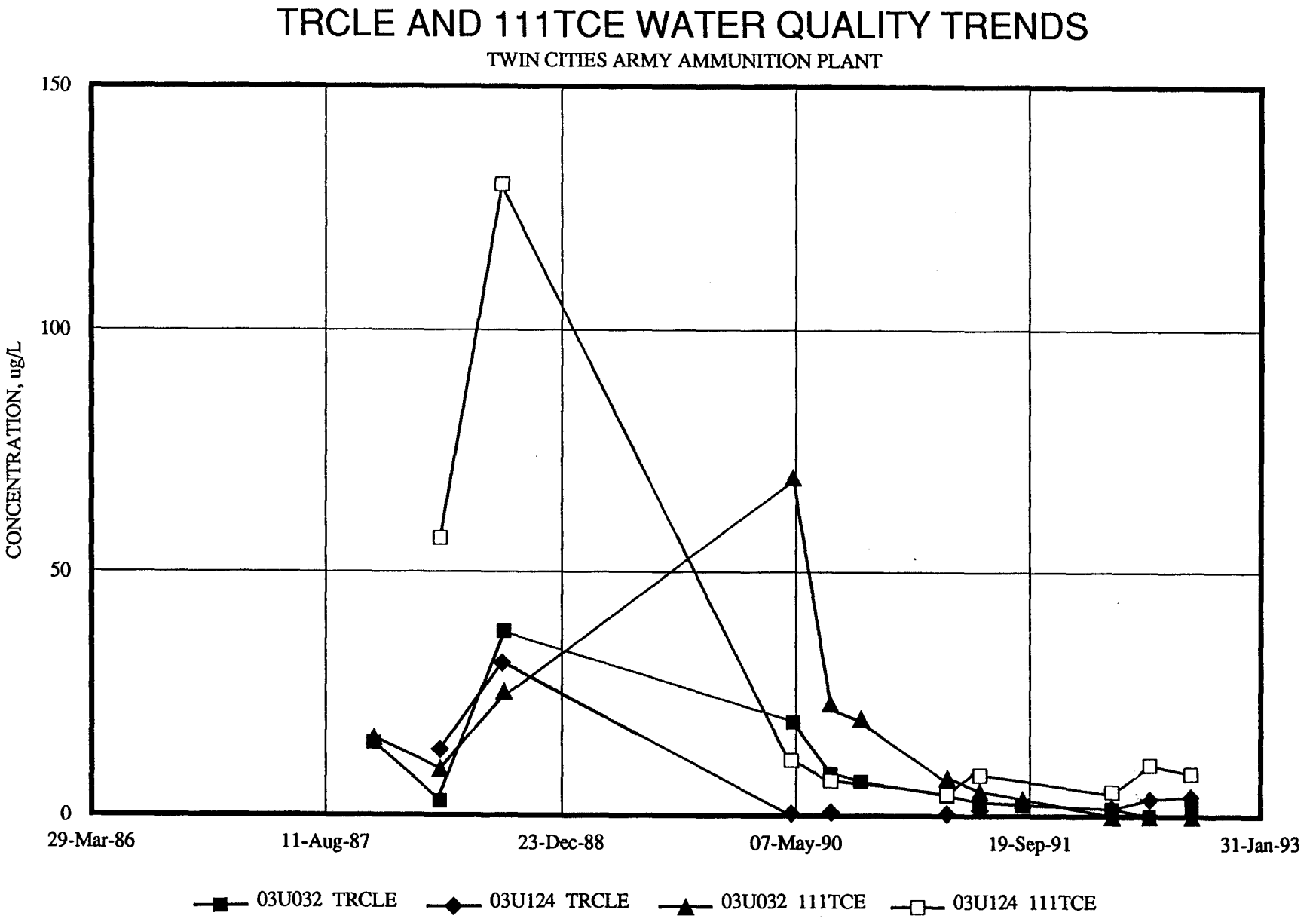


Figure 38, SITE 129-15
WENCK ASSOCIATES, INC. TRCLE is TRICHLOROTHENE 111TCE is 1,1,1-TRICHLOROTHANE

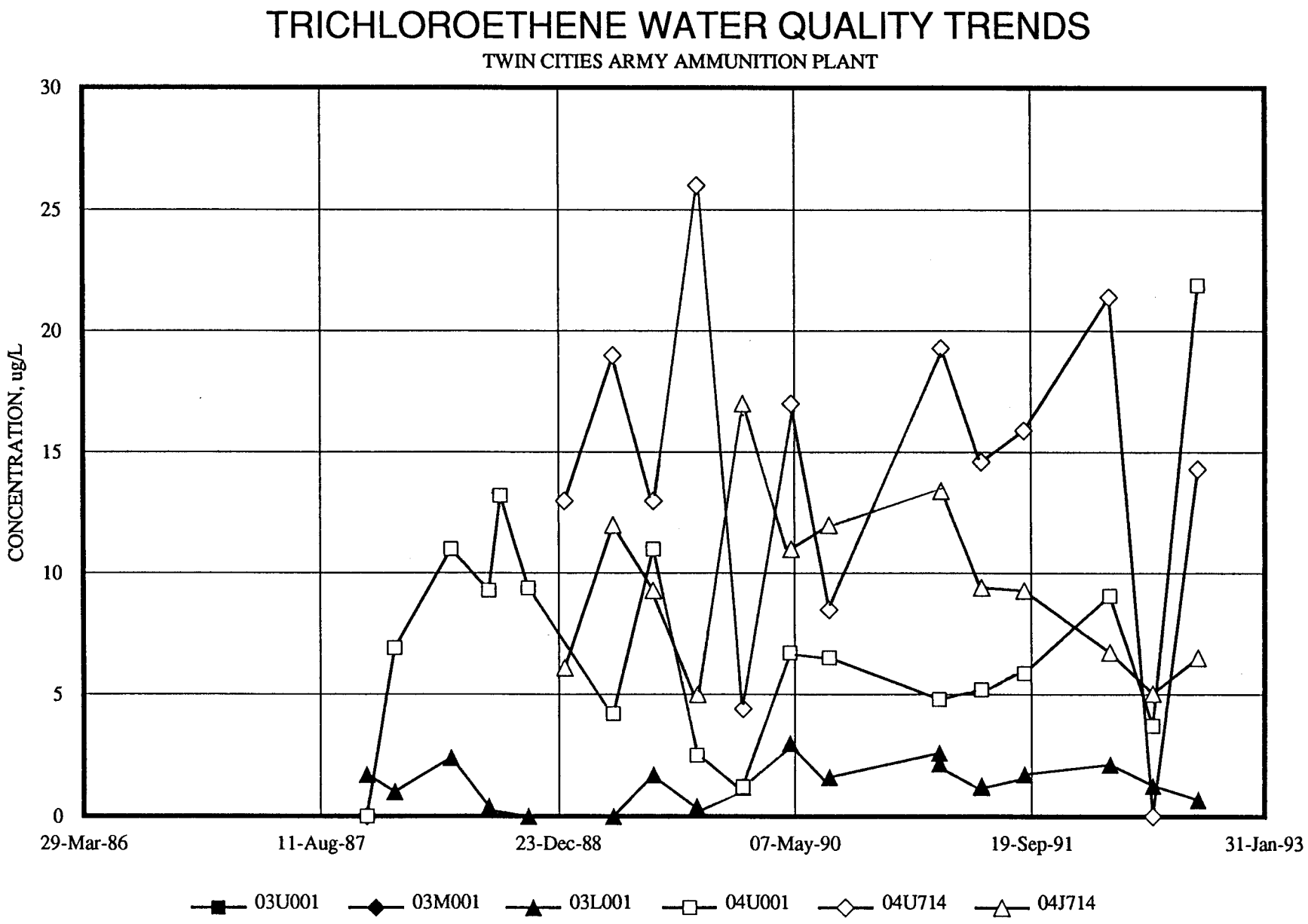


Figure 39, 001 AND 714 Well Nests
WENCK ASSOCIATES, INC.

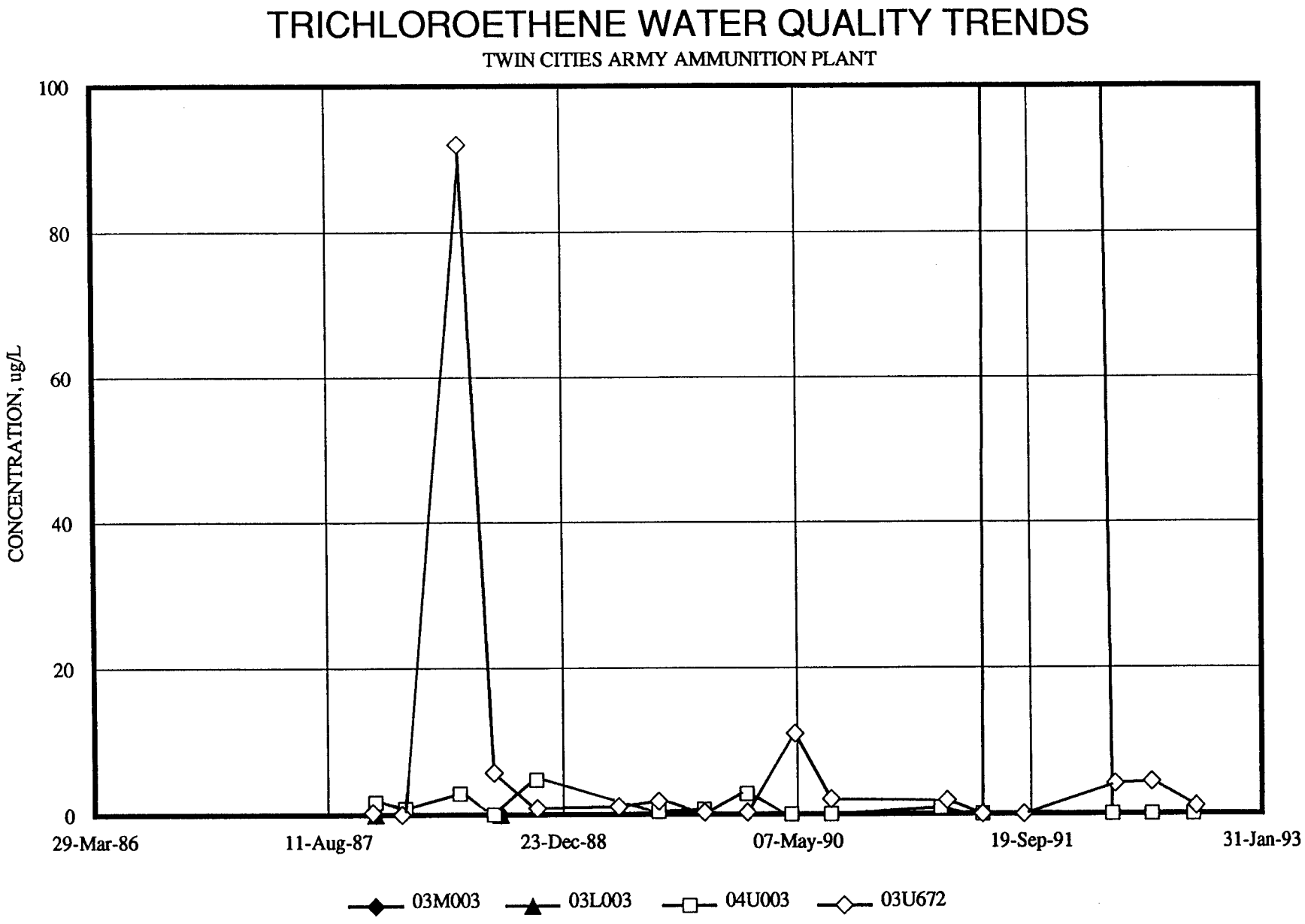


Figure 40, 003 Well Nest and 03U672
WENCK ASSOCIATES, INC.

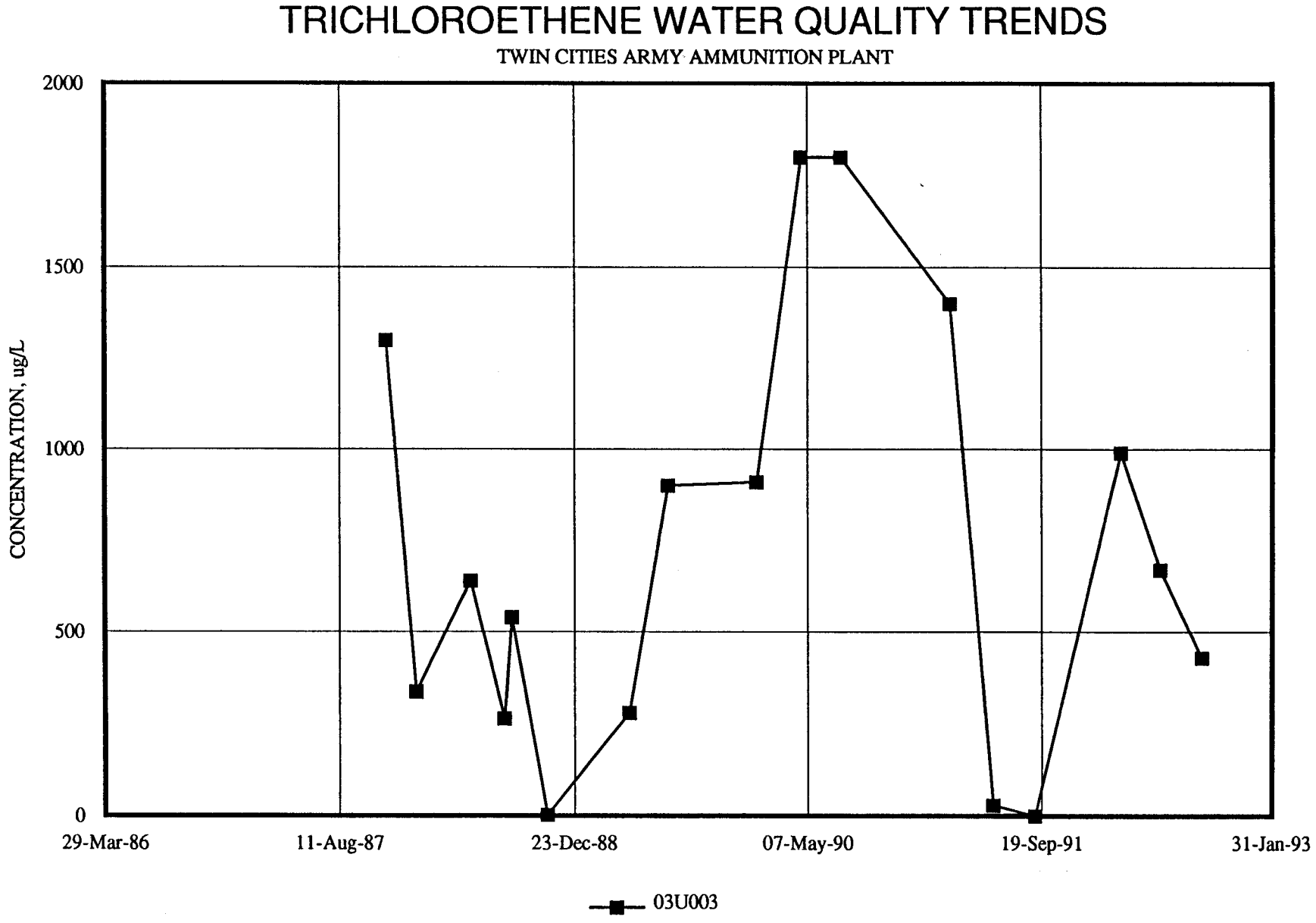


Figure 41, Well 03U003
WENCK ASSOCIATES, INC.

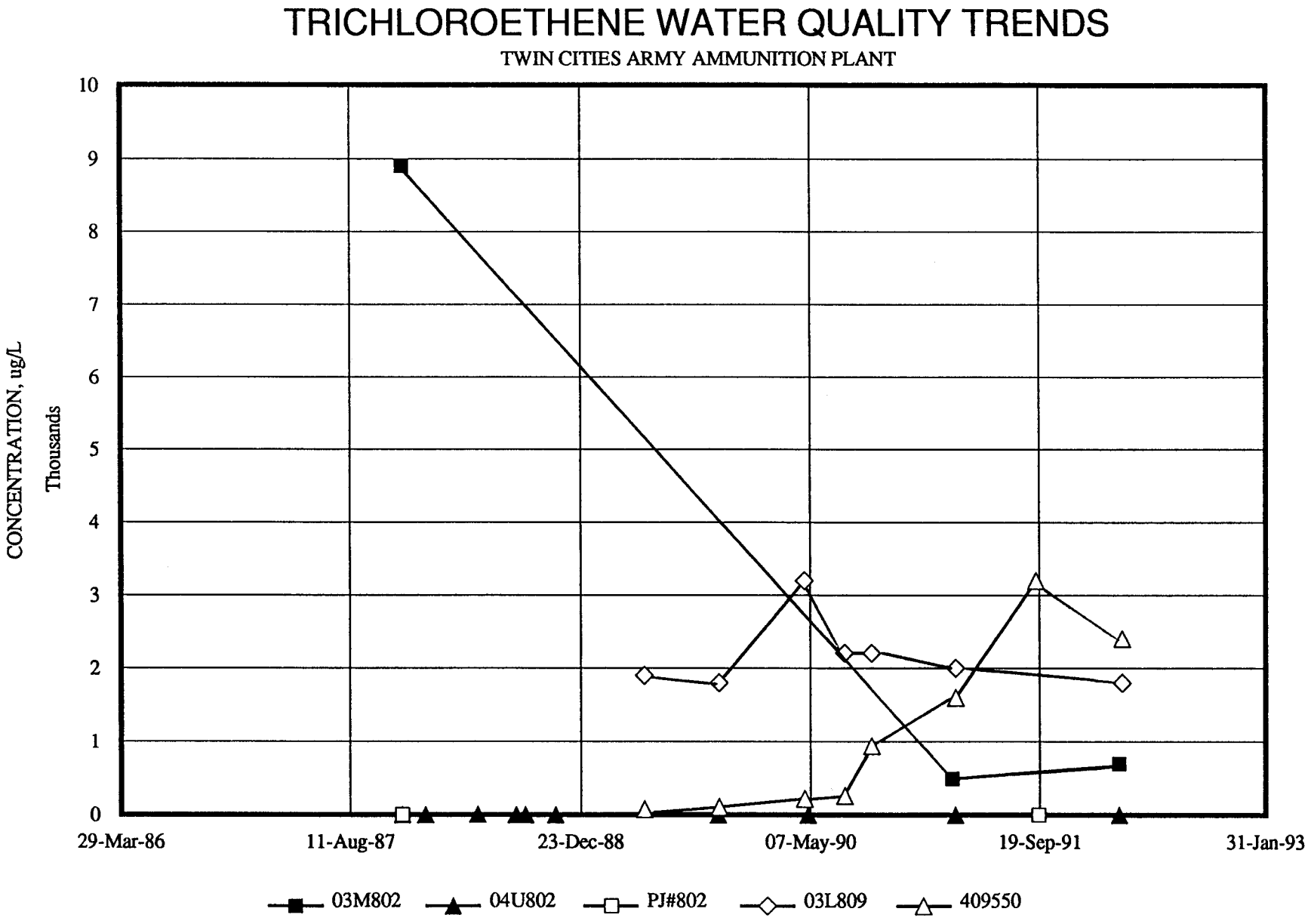


Figure 42, 802 Well Nest, 03L809, 409550
WENCK ASSOCIATES, INC.

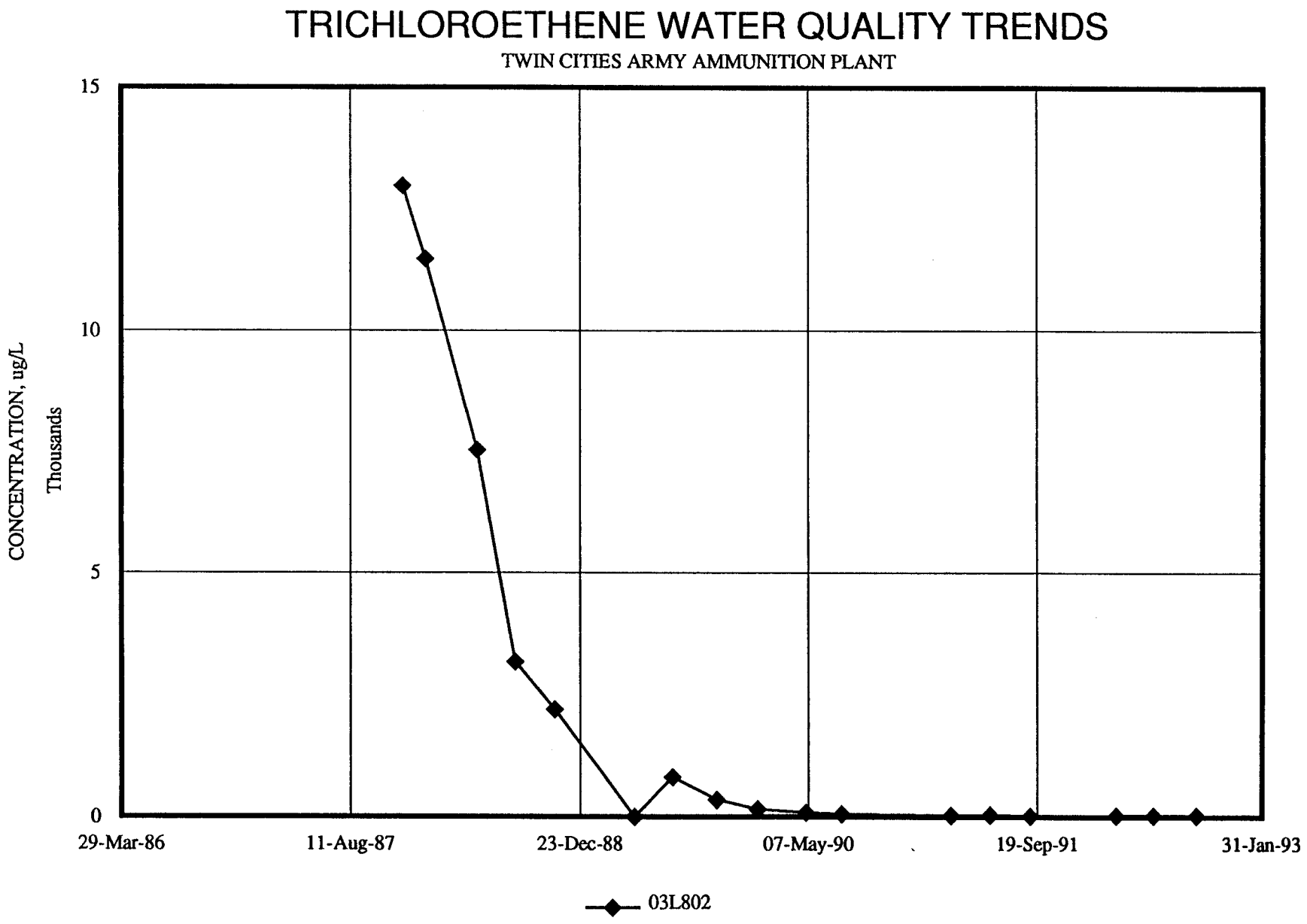


Figure 43, 03L802
WENCK ASSOCIATES, INC.

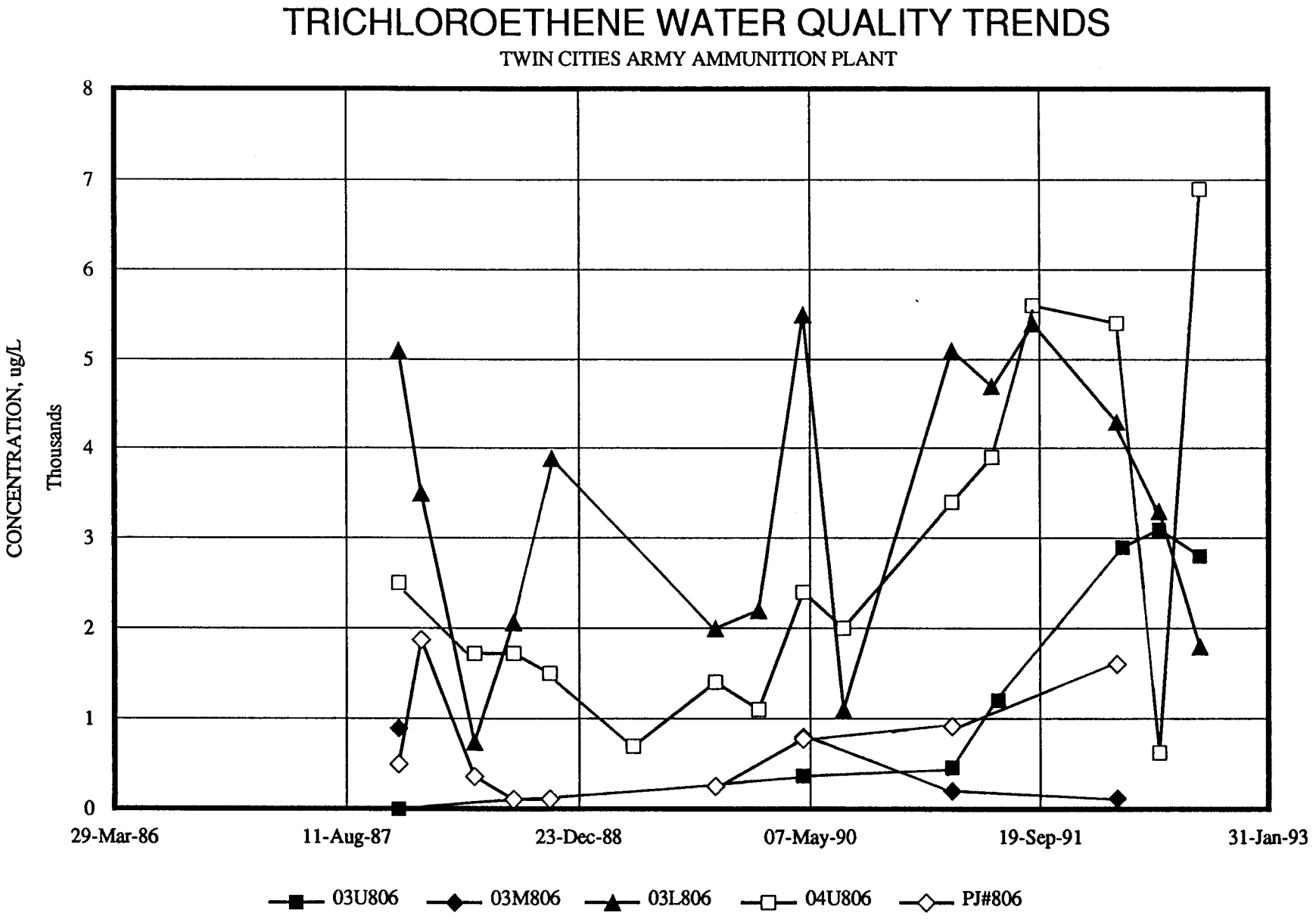


Figure 44, 806 Well Nest
WENCK ASSOCIATES, INC.

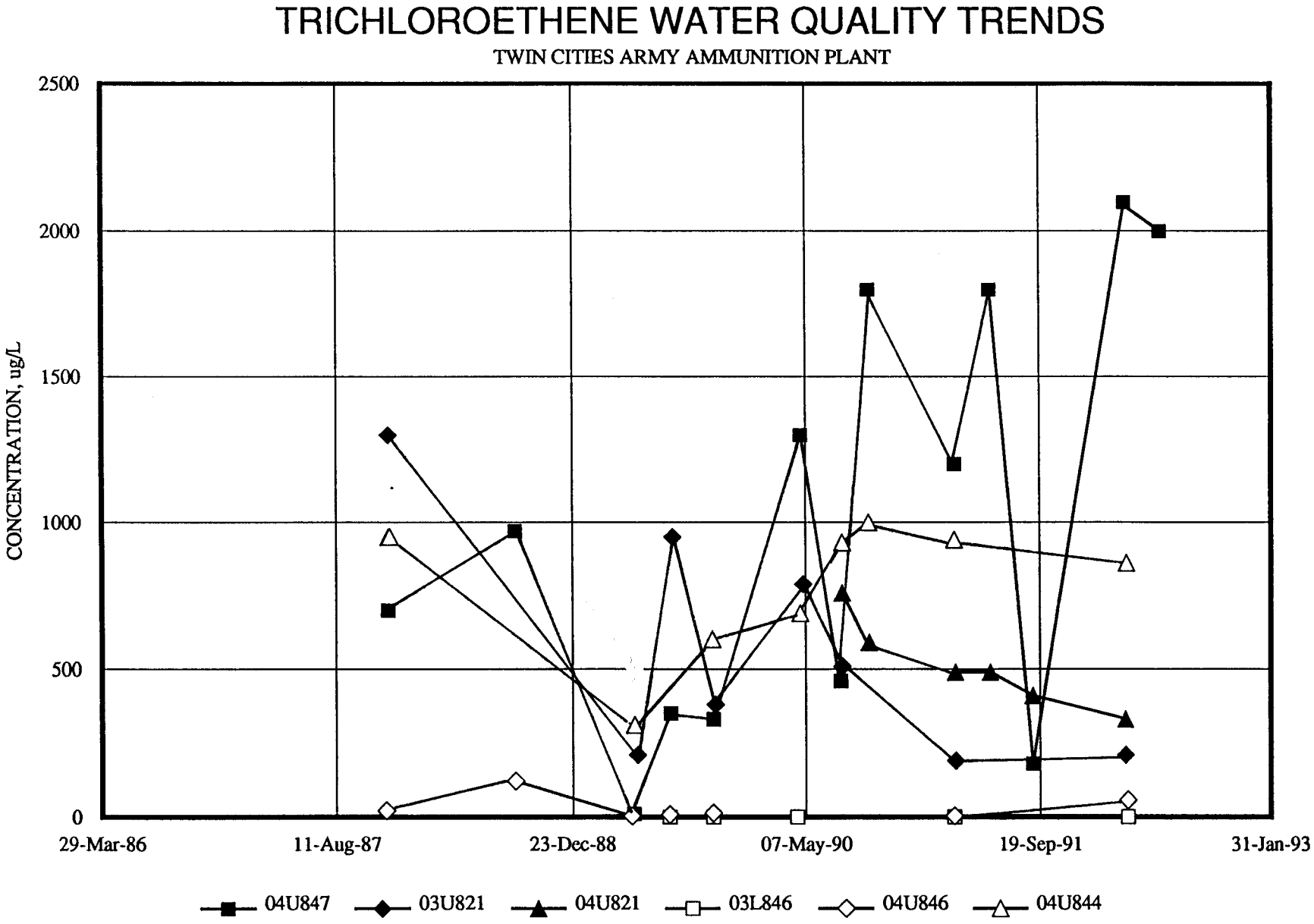


Figure 45, OFF-POST
WENCK ASSOCIATES, INC.

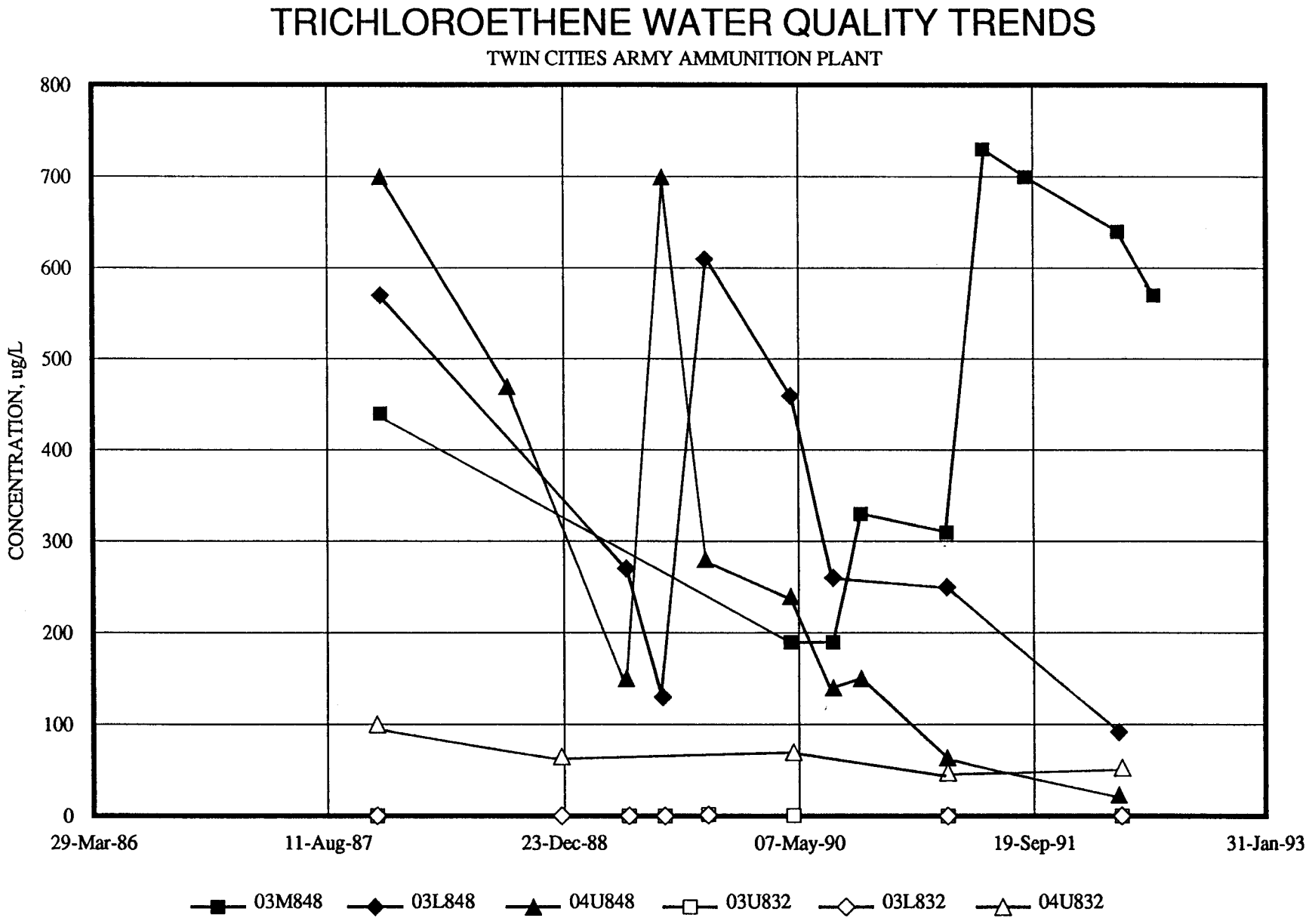


Figure 46, OFF-POST
WENCK ASSOCIATES, INC.

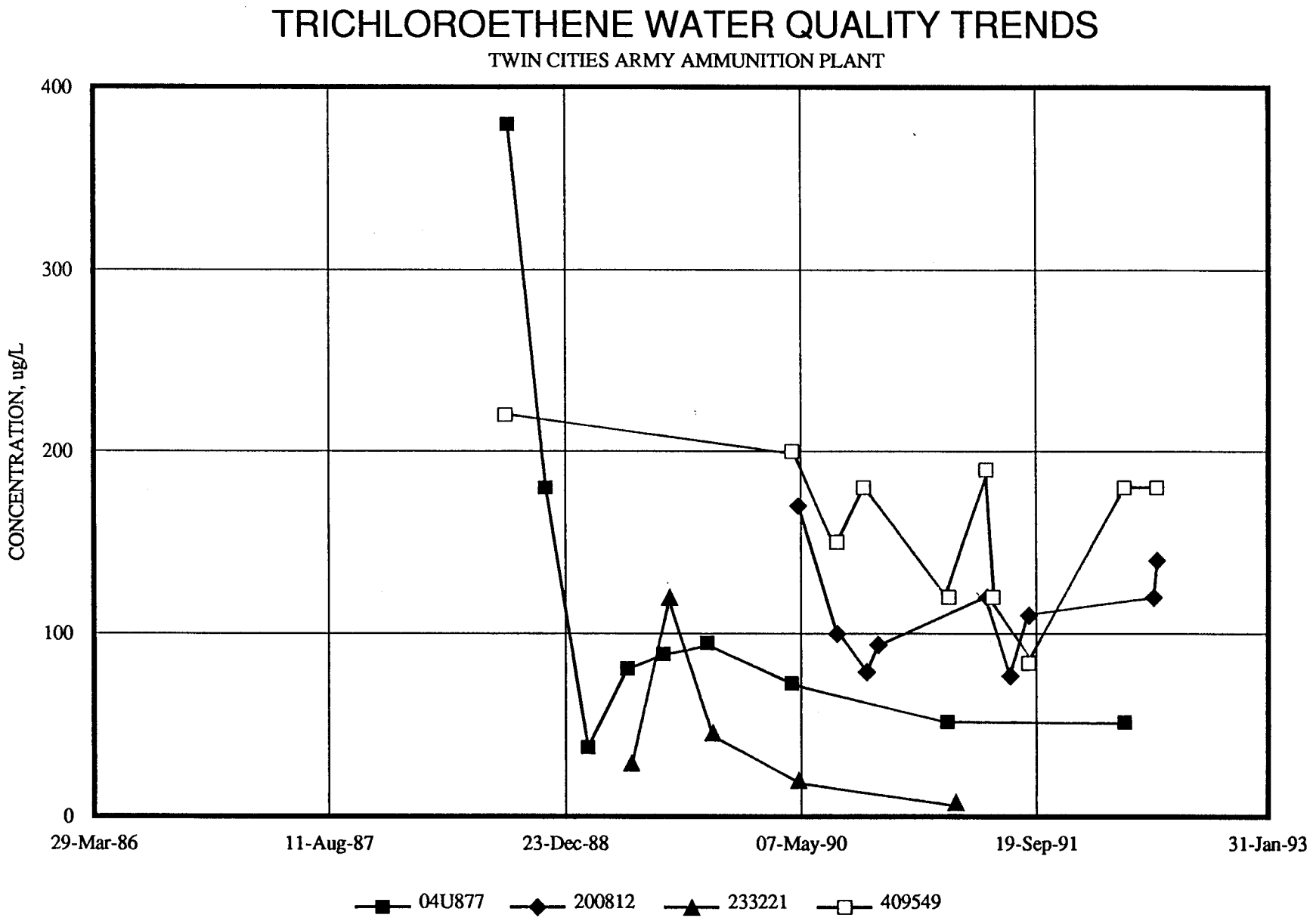


Figure 47, OFF-POST
WENCK ASSOCIATES, INC.

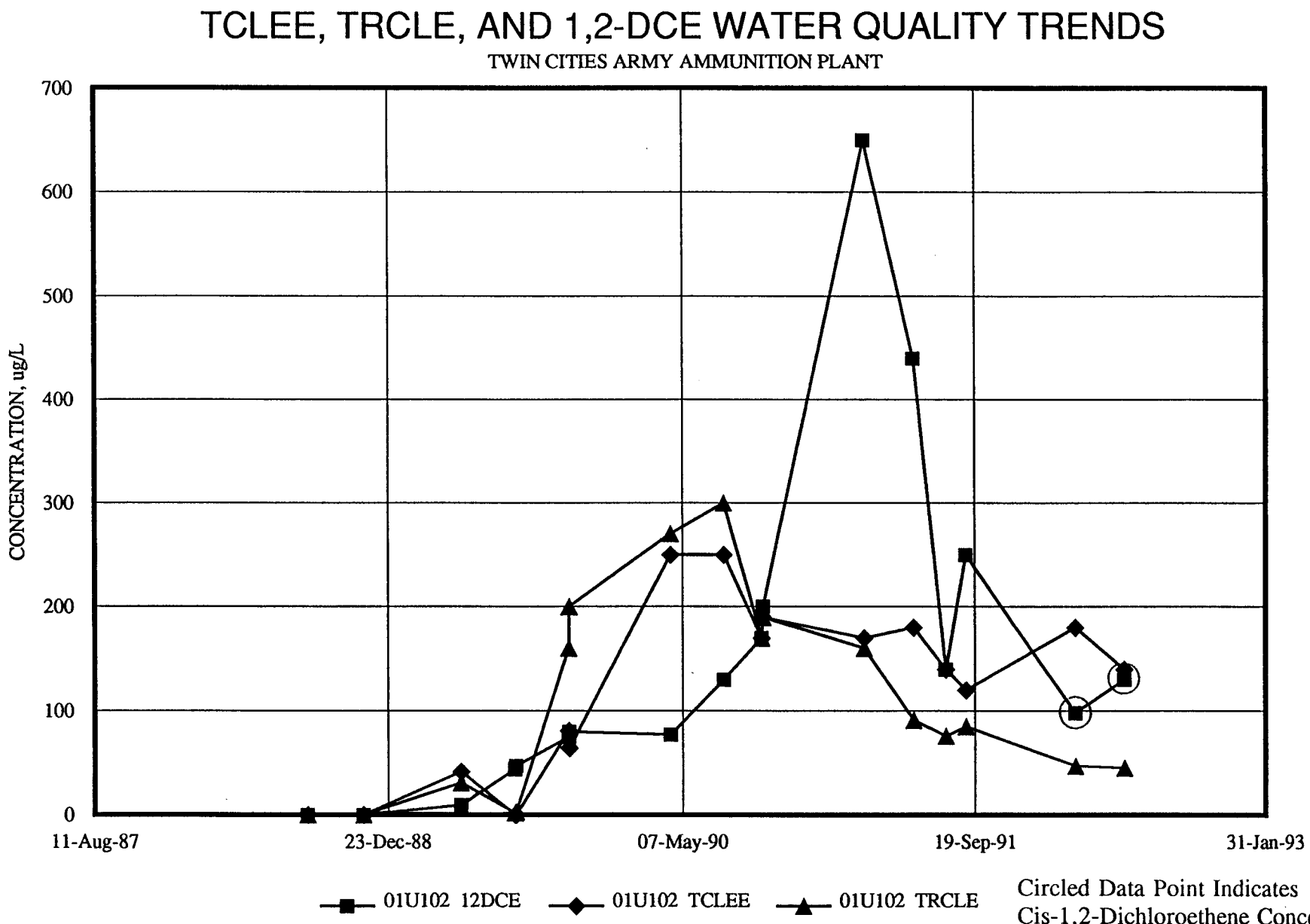


Figure 48, SITE A, Well 01U102

WENCK ASSOCIATES, INC. 12DCE is 1,2-DICHLOROETHENE TCLEE is TETRACHLOROETHENE TRCLE is TRICHLOROETHENE

1,2-DICHLOROETHENE WATER QUALITY TRENDS

TWIN CITIES ARMY AMMUNITION PLANT

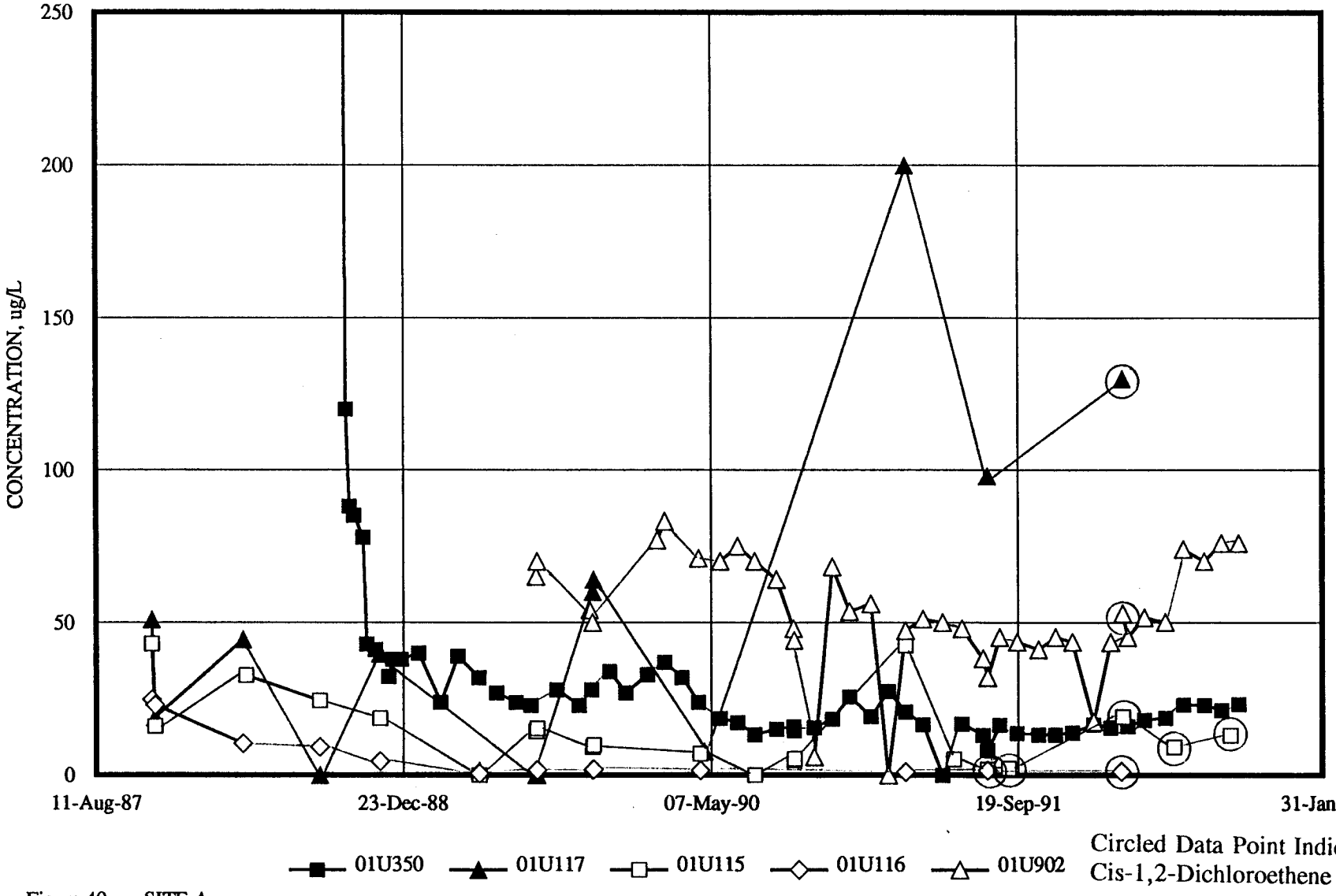


Figure 49, SITE A

WENCK ASSOCIATES, INC.

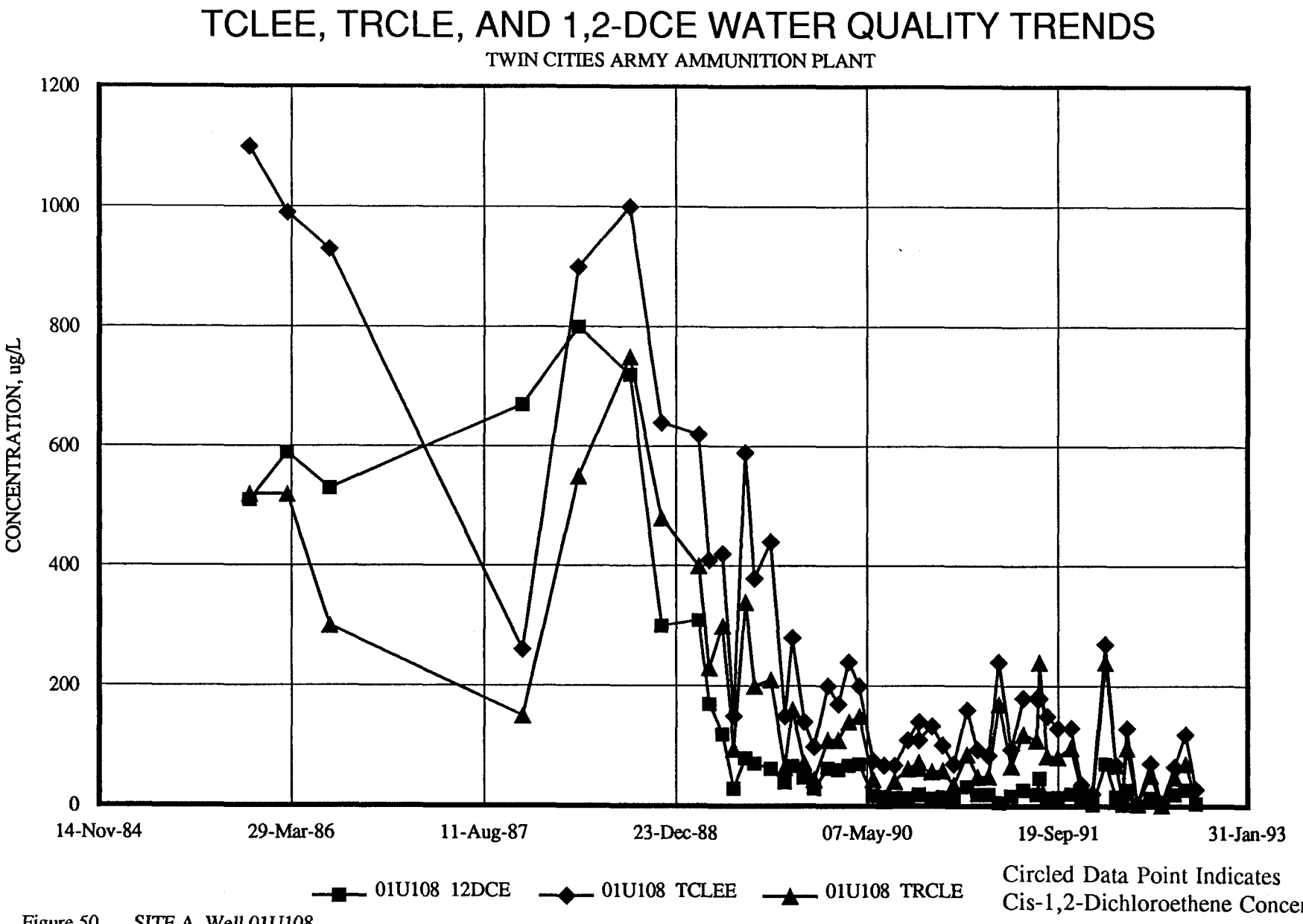


Figure 50, SITE A, Well 01U108

WENCK ASSOCIATES, INC. 12DCE is 1,2-DICHLOROETHENE TCLEE is TETRACHLOROETHENE TRCLE is TRICHLOROETHENE

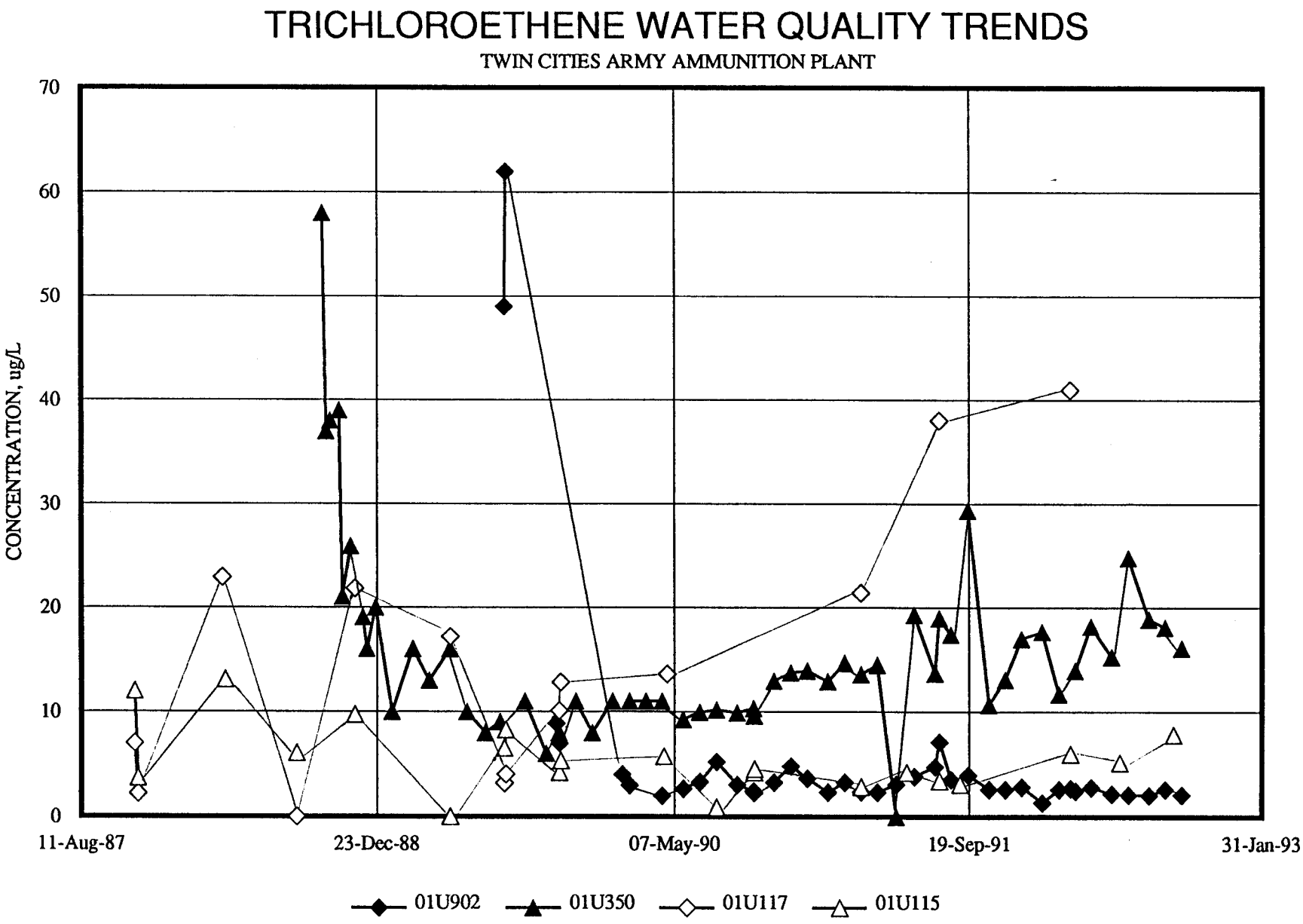


Figure 51, SITE A
WENCK ASSOCIATES, INC.

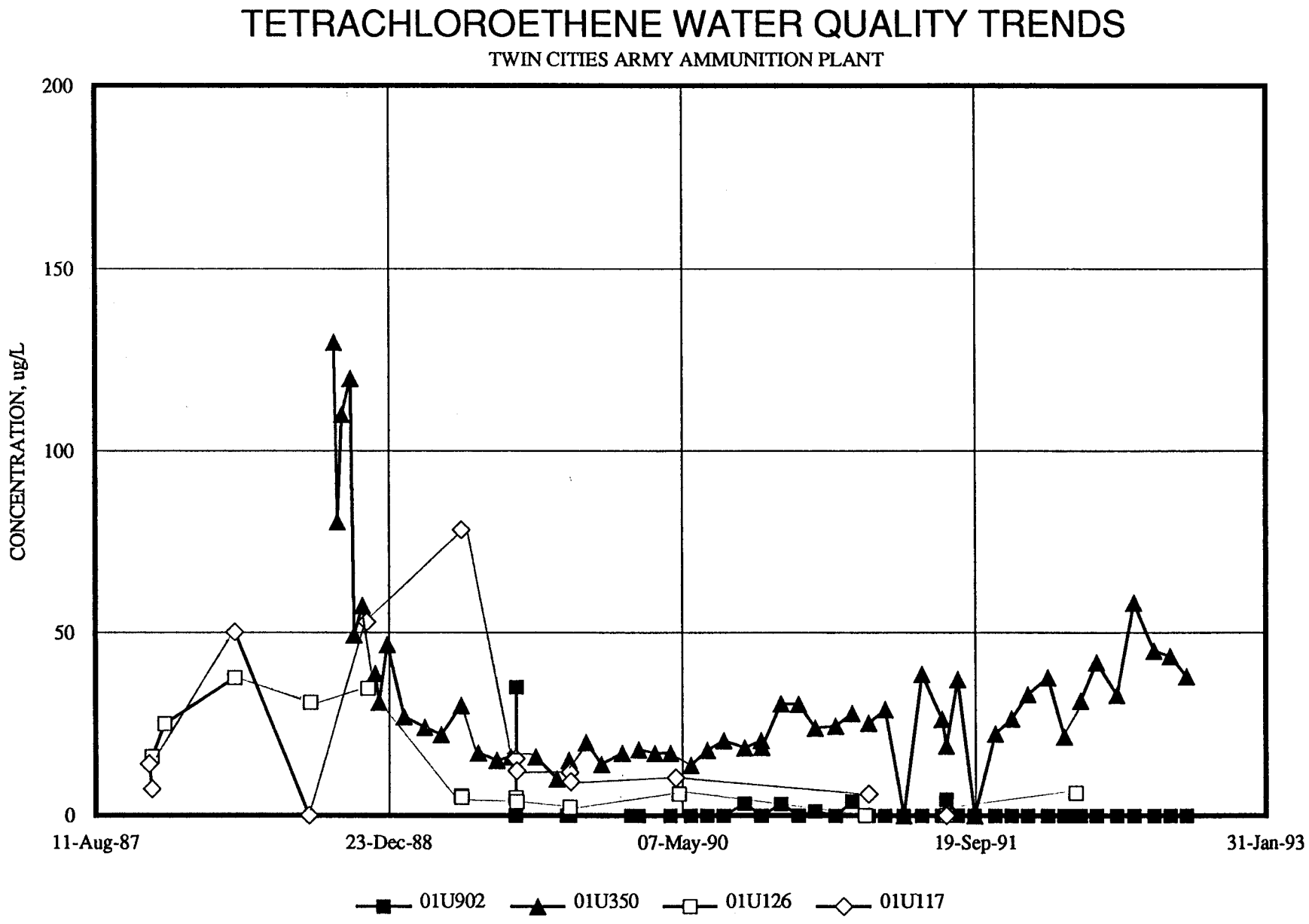
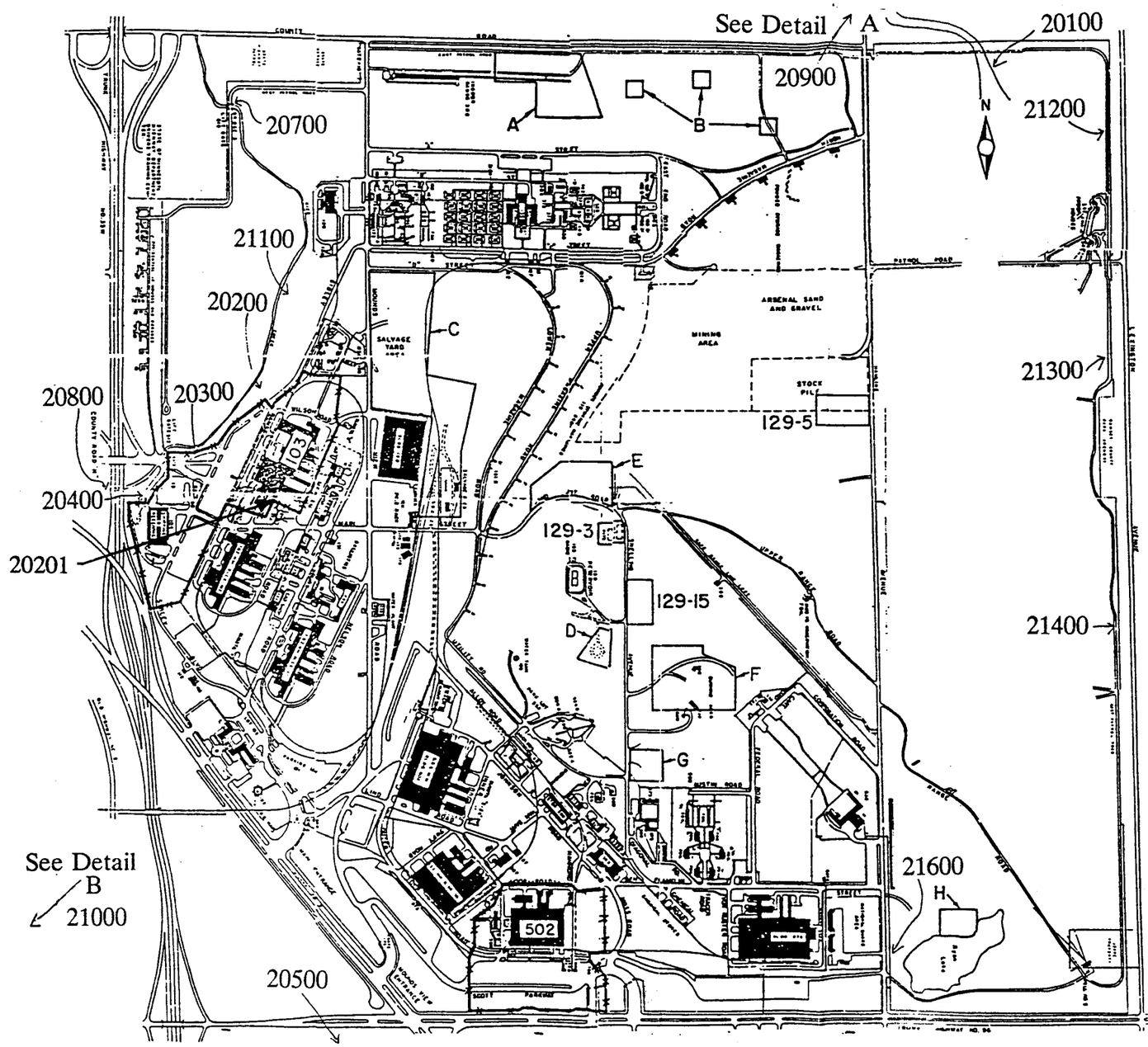
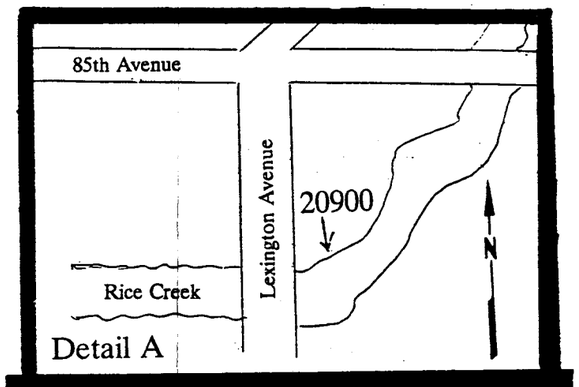
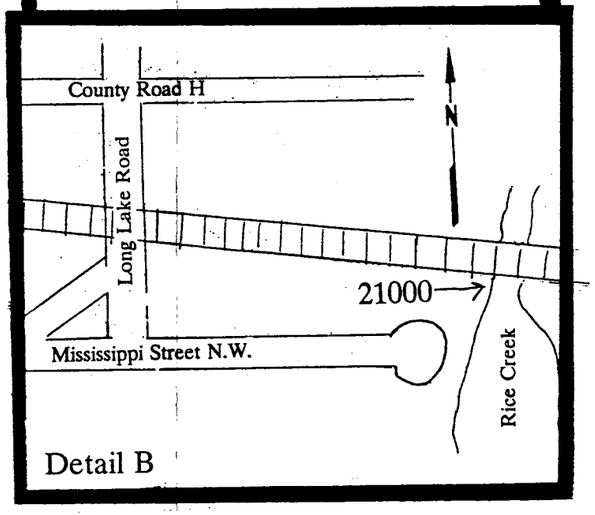


Figure 52, SITE A
WENCK ASSOCIATES, INC.







Title: NPDES Sample Point Locations
Spec. #969
Federal Cartridge Co. Dwg. #46814

TWIN CITIES ARMY AMMUNITION PLANT

National Pollutant Discharge Elimination System (NPDES) Monitoring Plan

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Environmental Engineers
1800 Pioneer Creek Center
Maple Plain, MN 55359

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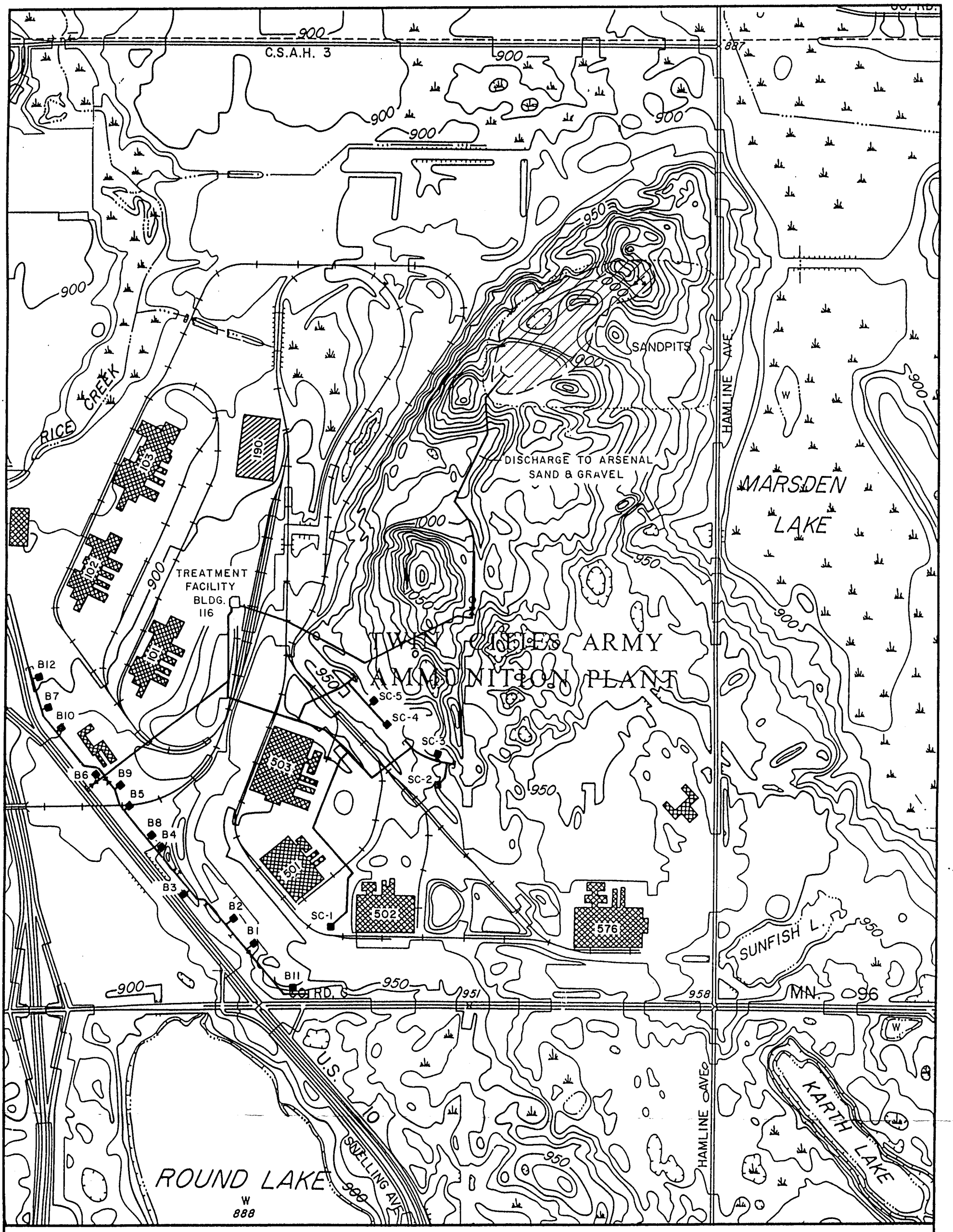
Figure 53



LEGEND

- ■ EXTRACTION WELL LOCATION
- ARSENAL SAND AND GRAVEL PIT

N

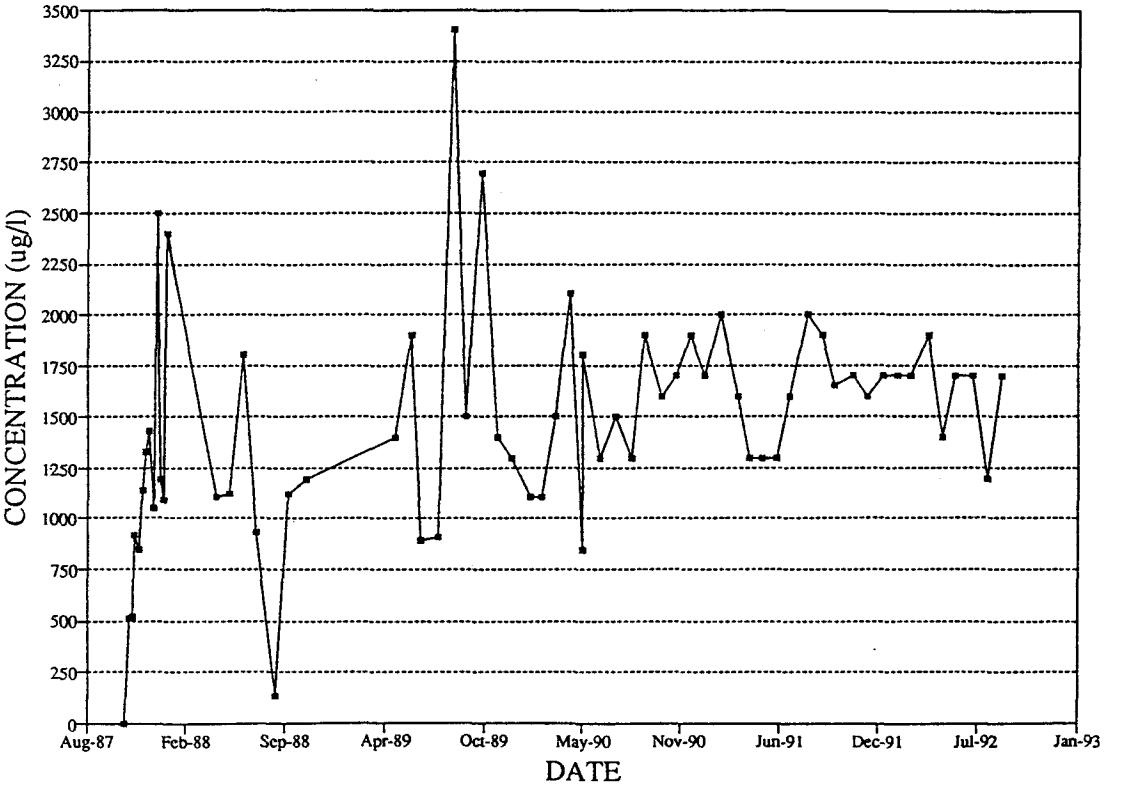
SCALE: 1" = 1000'

figure 54
TGRS LAYOUT
Twin Cities Army Ammunition Plant

CRA

2687-31-20/10/89-M

TRCLE vs. TIME - INFLUENT



TRCLE vs. TIME - EFFLUENT

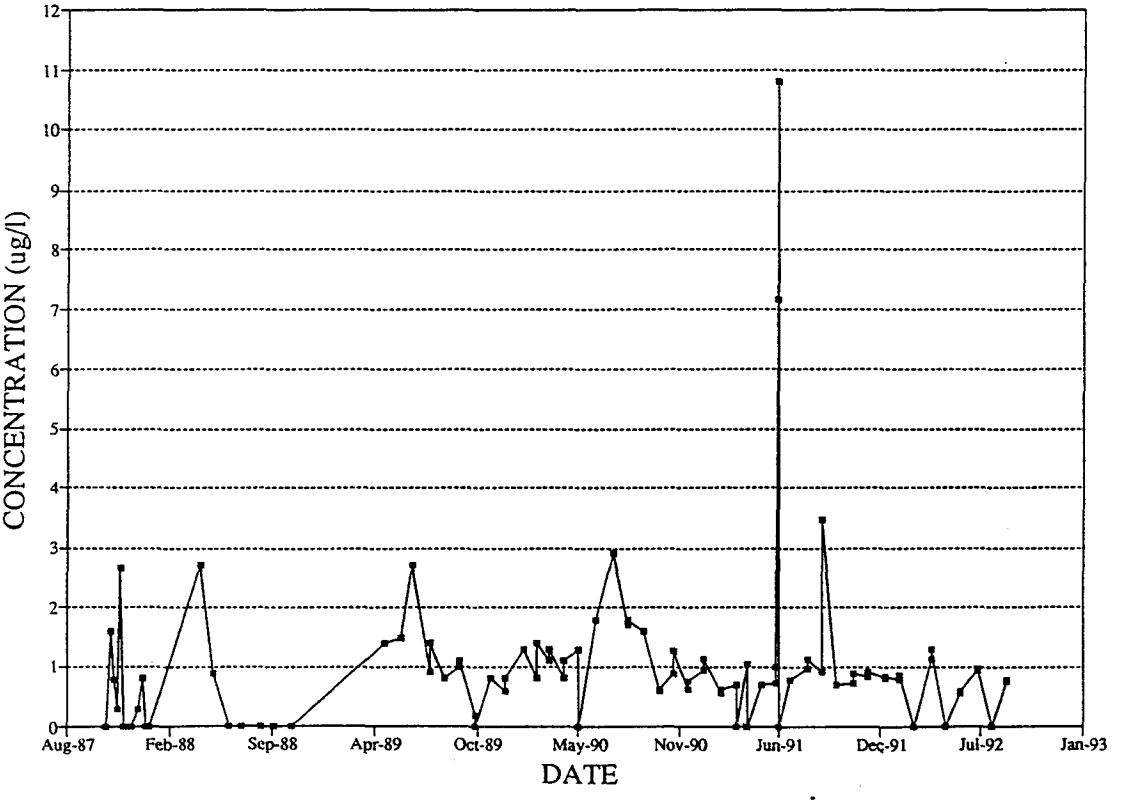


figure 55

TGRS TREATMENT SYSTEM PERFORMANCE

Twin Cities Army Ammunition Plant

CRA

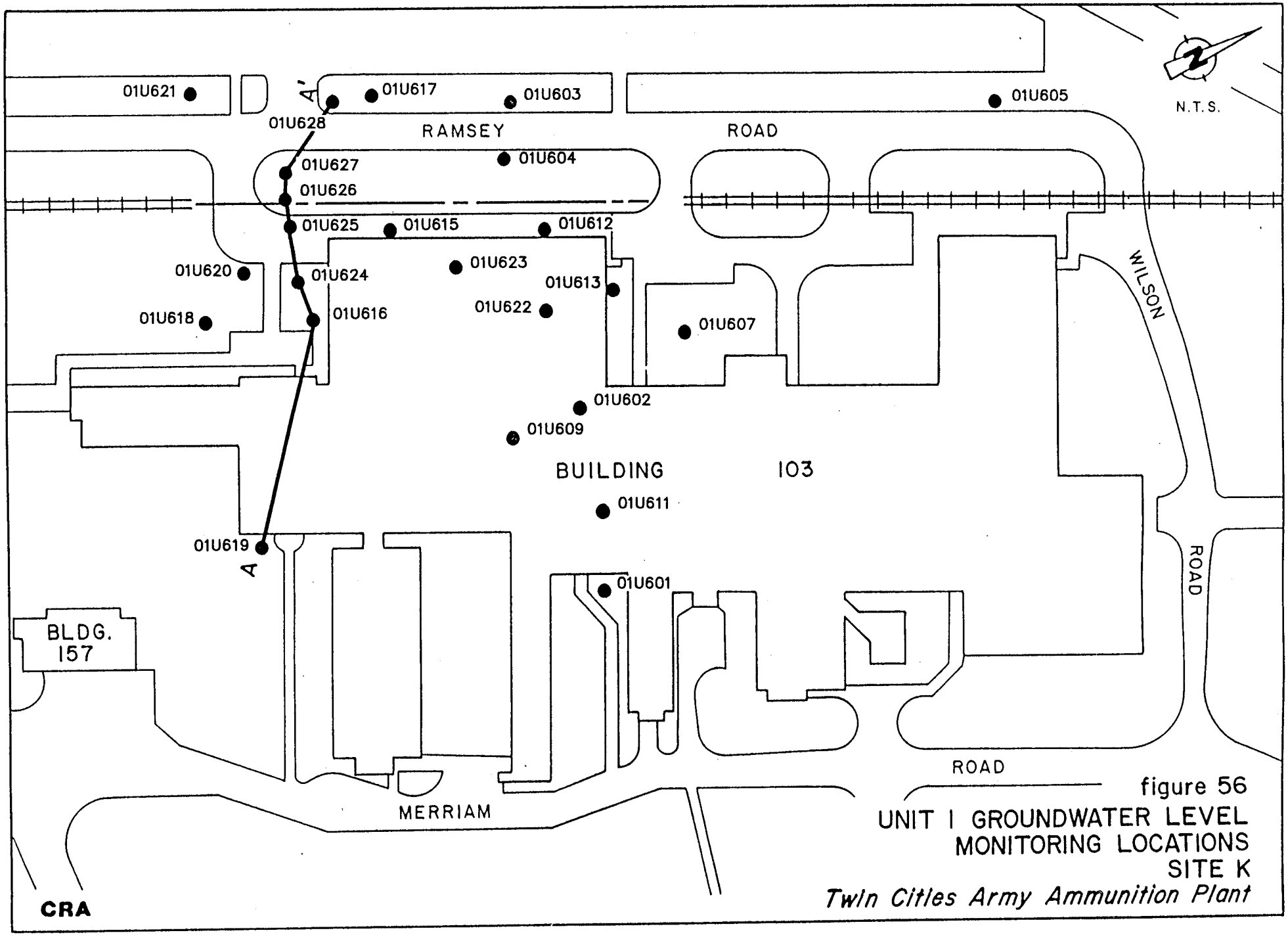


figure 56

UNIT I GROUNDWATER LEVEL MONITORING LOCATIONS SITE K

Twin Cities Army Ammunition Plant

1496-13/10/86-M

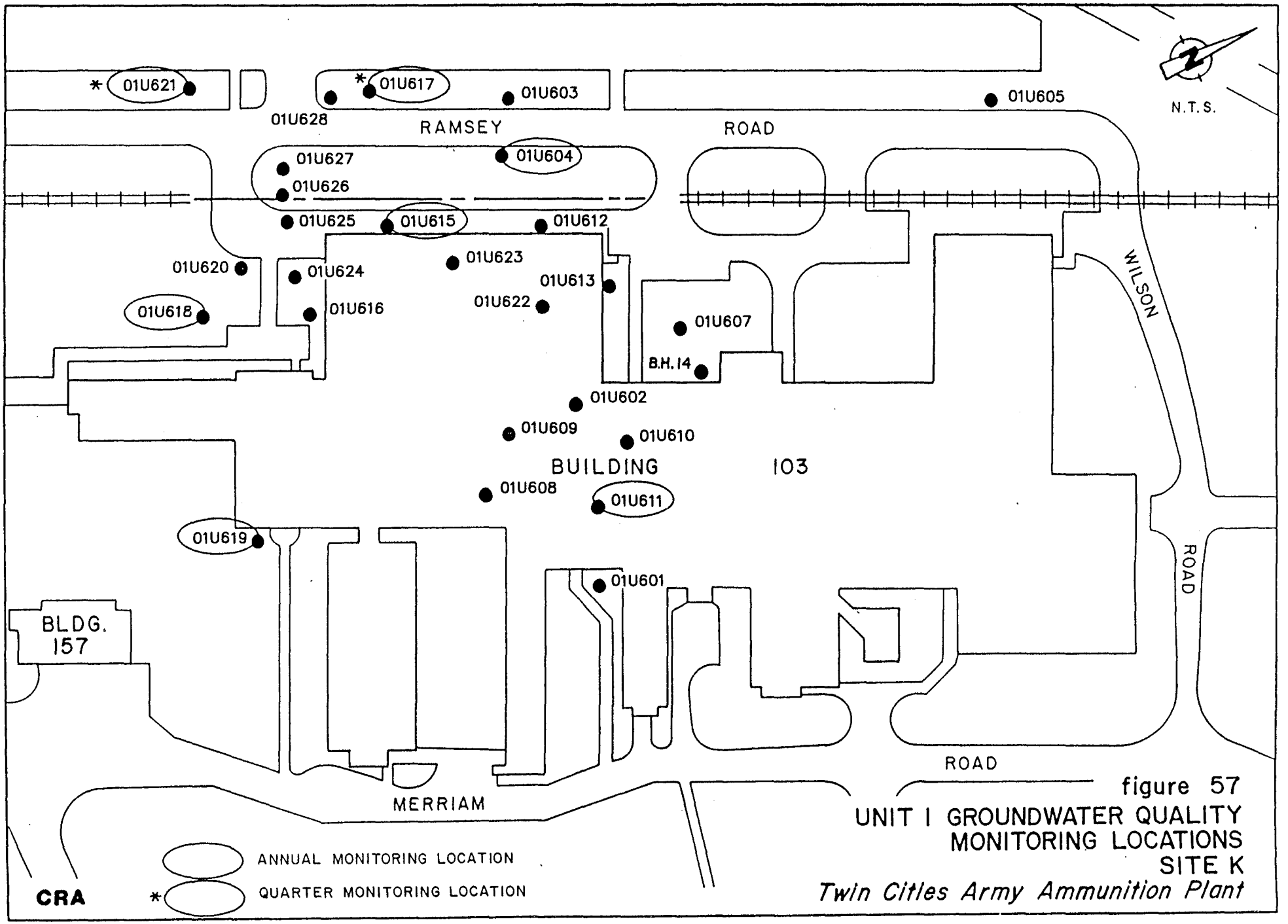


figure 57
UNIT I GROUNDWATER QUALITY MONITORING LOCATIONS
SITE K
Twin Cities Army Ammunition Plant

1496-13/10/86-M

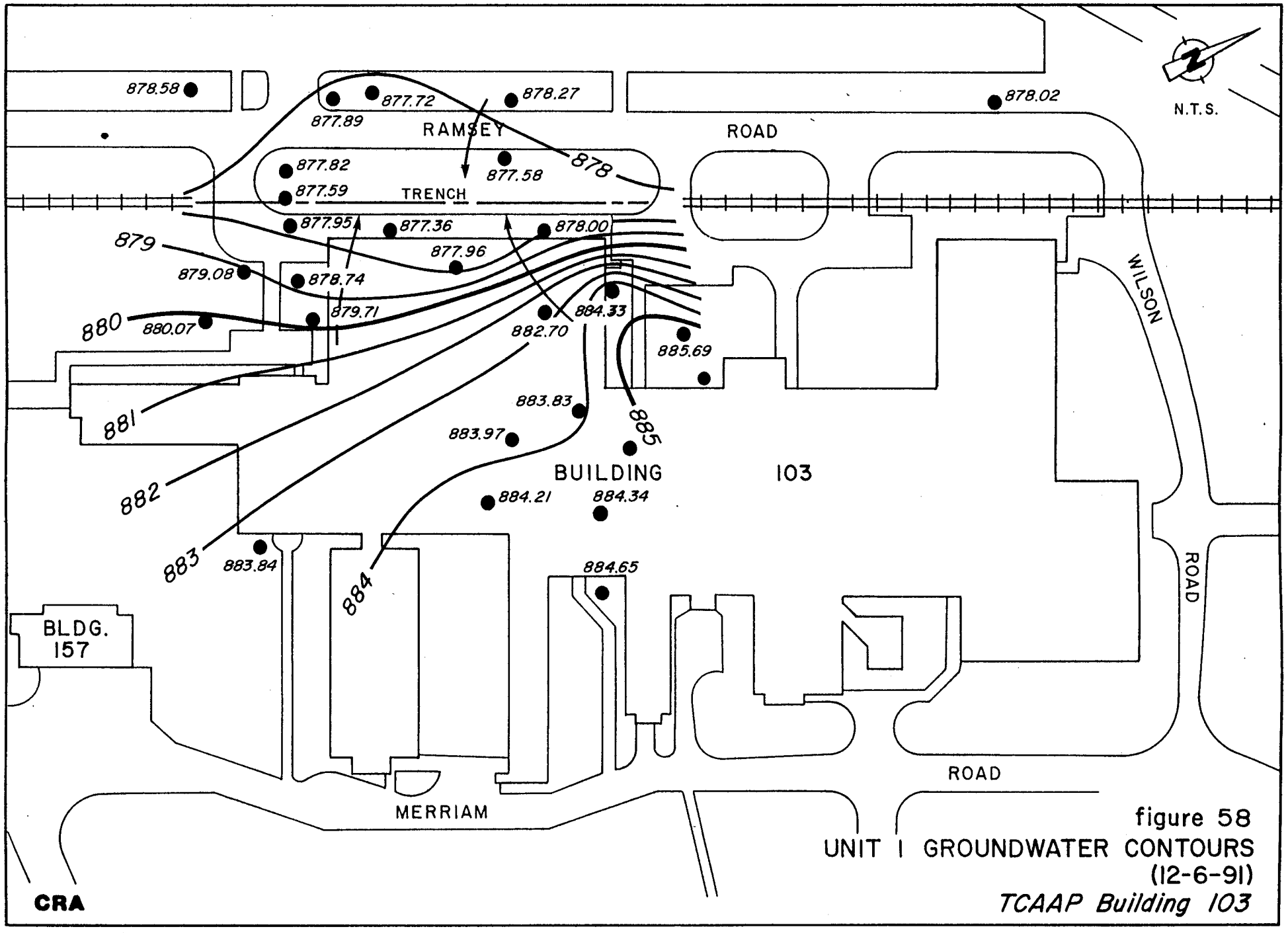


figure 58
UNIT I GROUNDWATER CONTOURS
(12-6-91)
TCAAP Building 103

1496-15/12/92-M

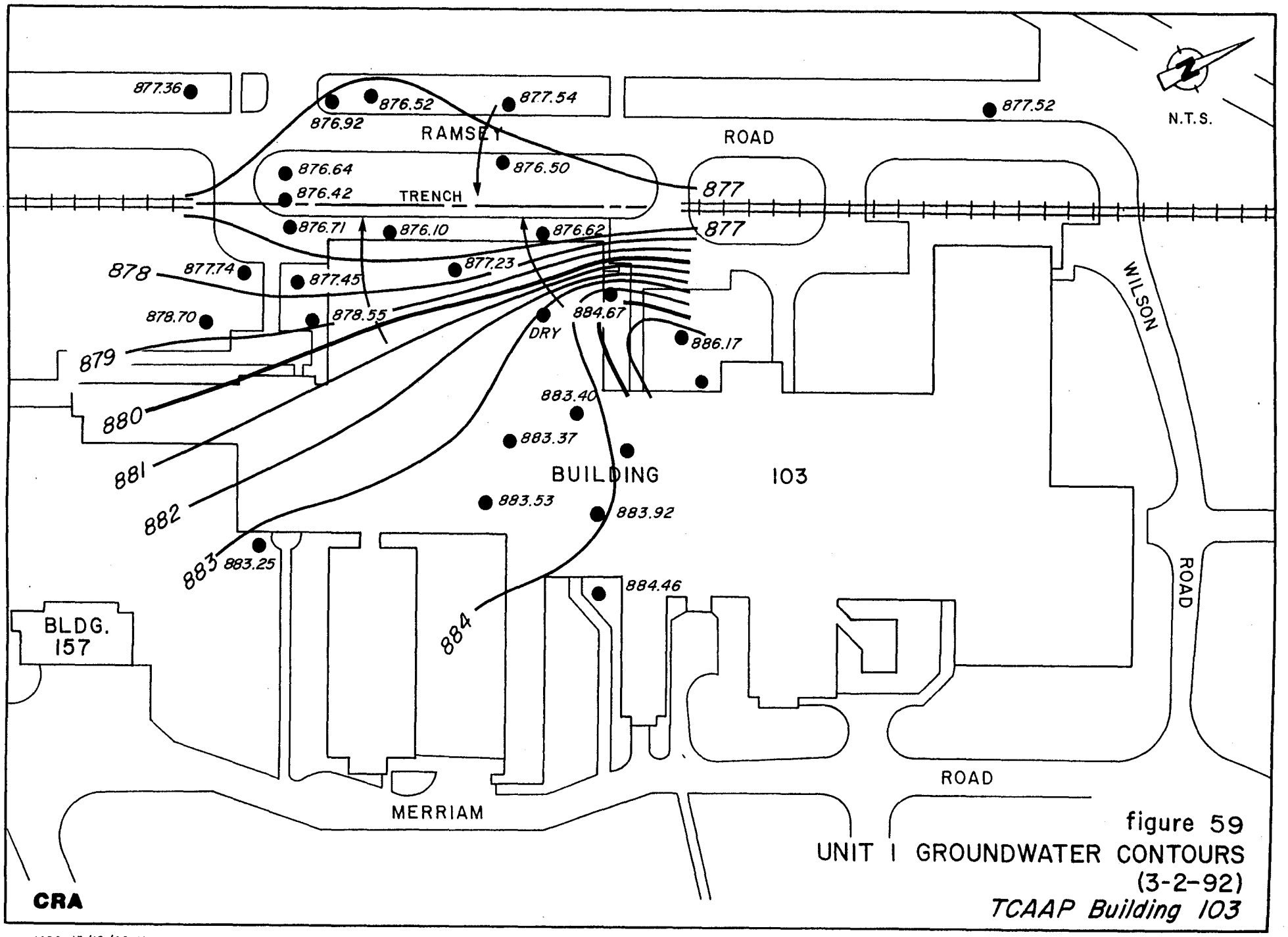


figure 59
UNIT I GROUNDWATER CONTOURS
(3-2-92)
TCAAP Building 103

1496-15/12/92-M

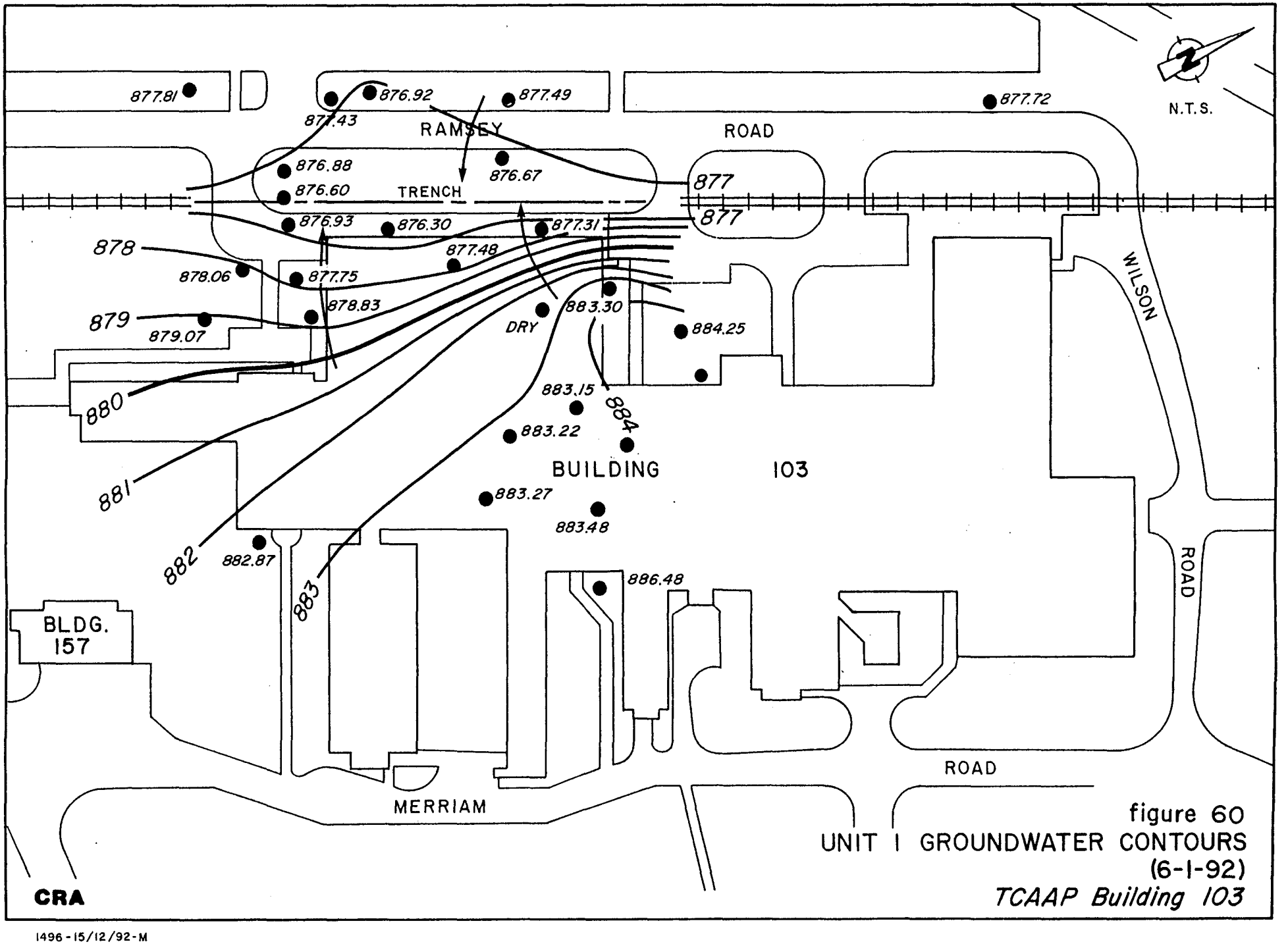


figure 60
UNIT I GROUNDWATER CONTOURS
(6-1-92)
TCAAP Building 103

1496-15/12/92-M

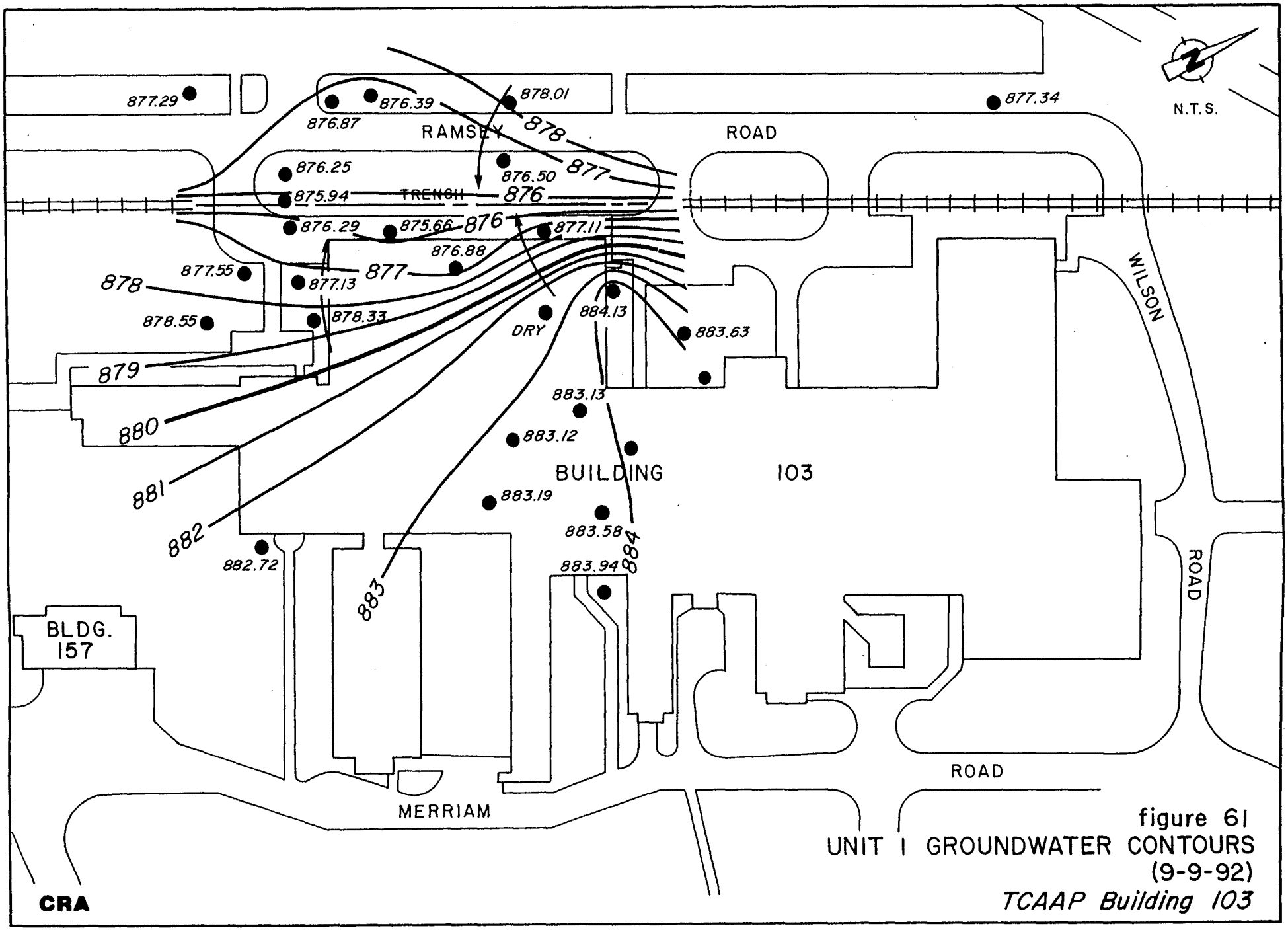


figure 61
UNIT 1 GROUNDWATER CONTOURS
(9-9-92)
TCAAP Building 103

CRA

1496-15/12/92-M

SOUTHEAST

A

NORTHWEST

A'

ELEVATION IN FEET AMSL

888
880
872
864
856
848
840

OW119
EDGE OF BLDG. 103
EDGE OF BLDG. 103
OW116
BP1(A,B,C,D)
BP2(A,B,C,D)
GROUNDWATER COLLECTION SUMP
BP3(A,B,C,D)
BP4(A,B,C,D)
INFILTRATION GALLERY
℄ RAMSEY RD.
BP5(A,B,C,D)

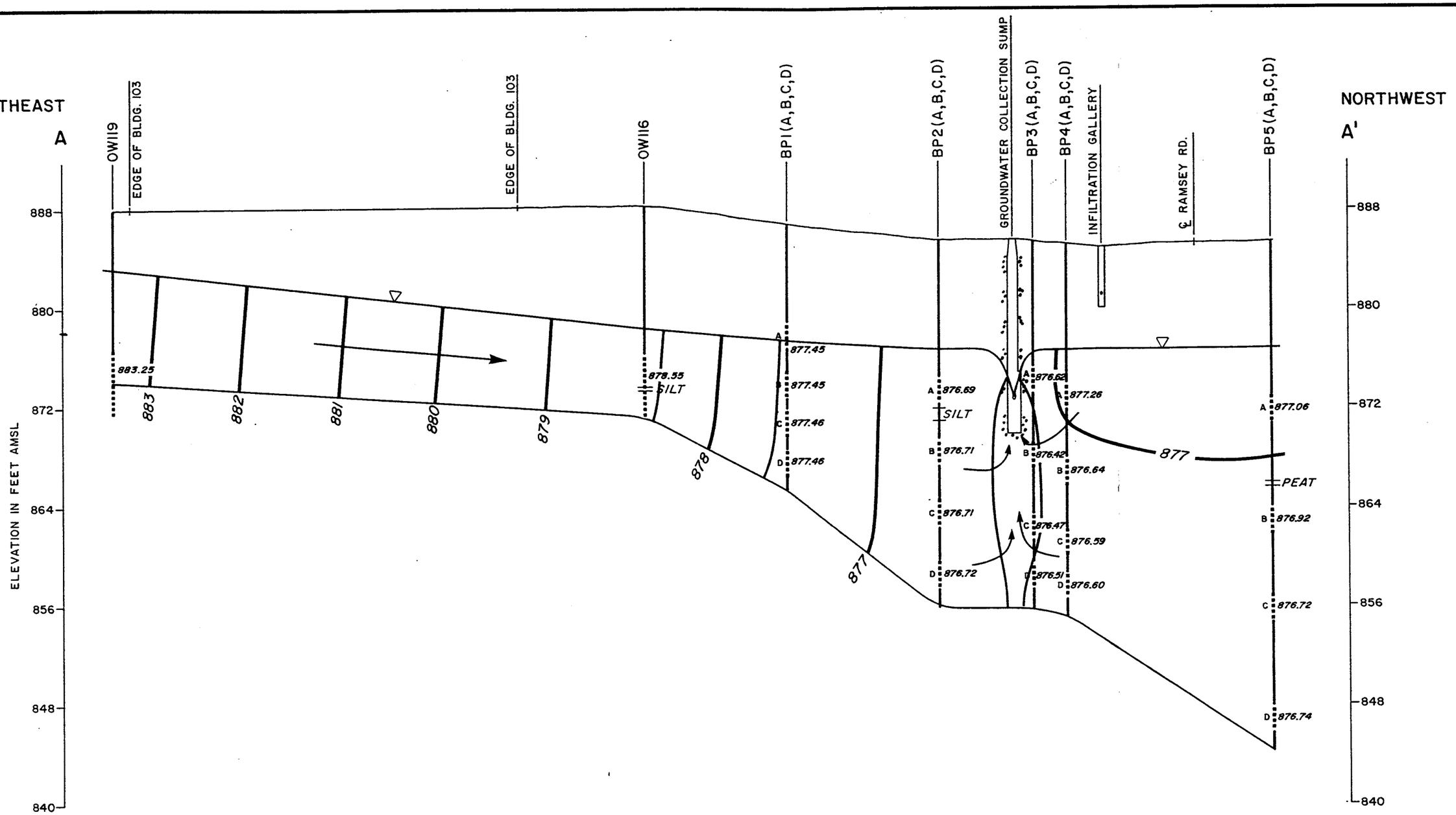
883.84
883
882
881
880
879.71
SILT
879
878
878
A 878.76
B 878.74
C 878.75
D 878.75
A 877.94
SILT
B 877.95
C 877.95
D 877.96
A 877.68
B 877.55
C 877.65
D 877.69
A 878.22
B 877.82
C 877.77
D 877.78
A 878.14
PEAT
B 878.03
C 877.89
D 877.89

SCALE: 1"= 8' VER., 1"= 40' HOR.
WATER LEVELS TAKEN ON 12-6-91

figure 62
HYDROGEOLOGIC CROSS SECTION A-A'
TCAAP Building 103

CRA

1496-15/12/92-M



SCALE: 1"= 8' VER., 1"= 40' HOR.

WATER LEVELS TAKEN ON 3-2-92

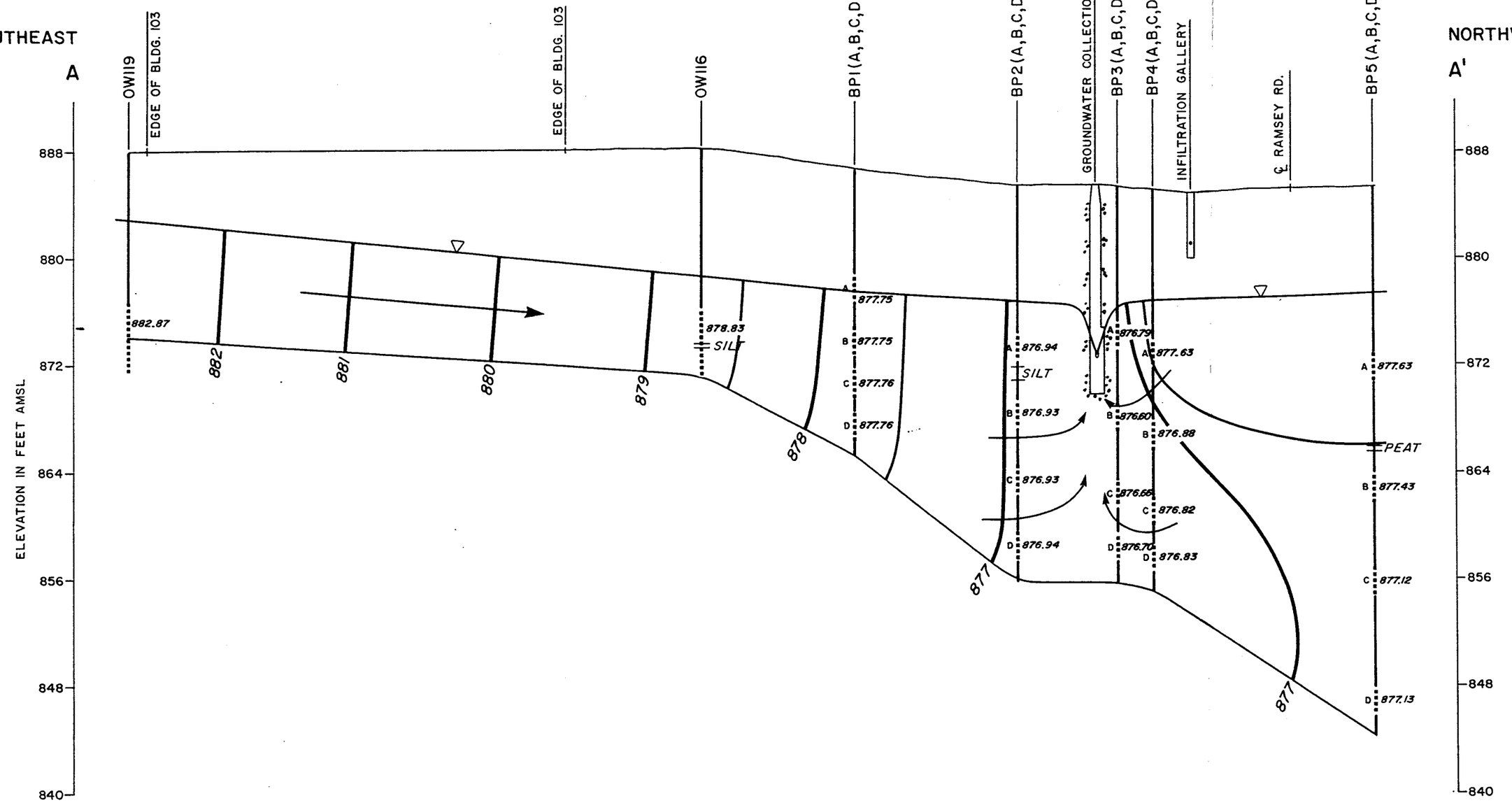
figure 63

HYDROGEOLOGIC CROSS SECTION A-A'

TCAAP Building 103

CRA

1496-15/12/92-M



SCALE: 1"= 8' VER., 1"= 40' HOR.

WATER LEVELS TAKEN ON 6-1-92

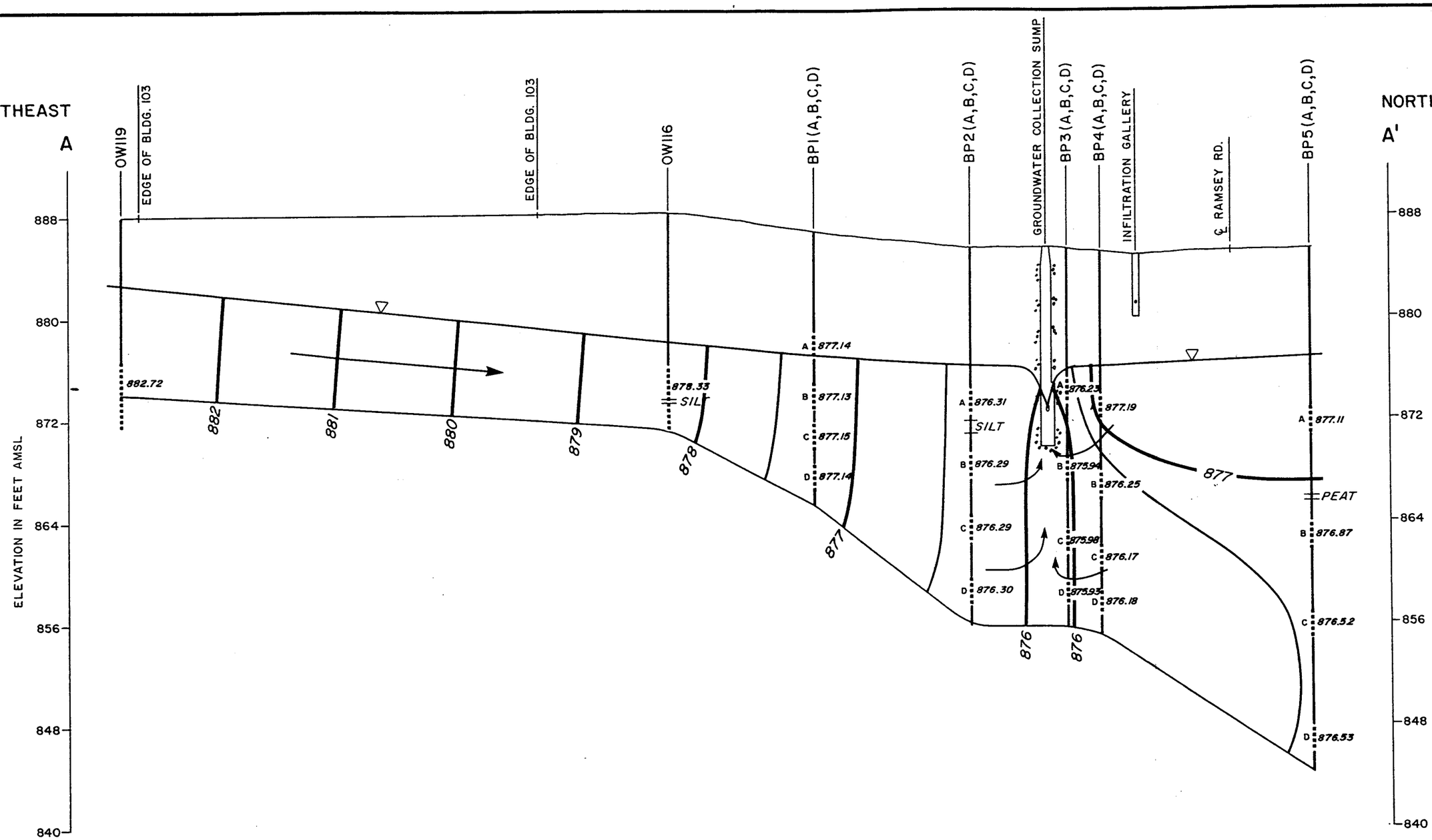
figure 64

HYDROGEOLOGIC CROSS SECTION A-A'

TCAAP Building 103

CRA

1496-15/12/92-M



SCALE: 1"= 8' VER., 1"= 40' HOR.

WATER LEVELS TAKEN ON 9-9-92

figure 65

HYDROGEOLOGIC CROSS SECTION A-A'

TCAAP Building 103

CRA

1496-15/12/92-M

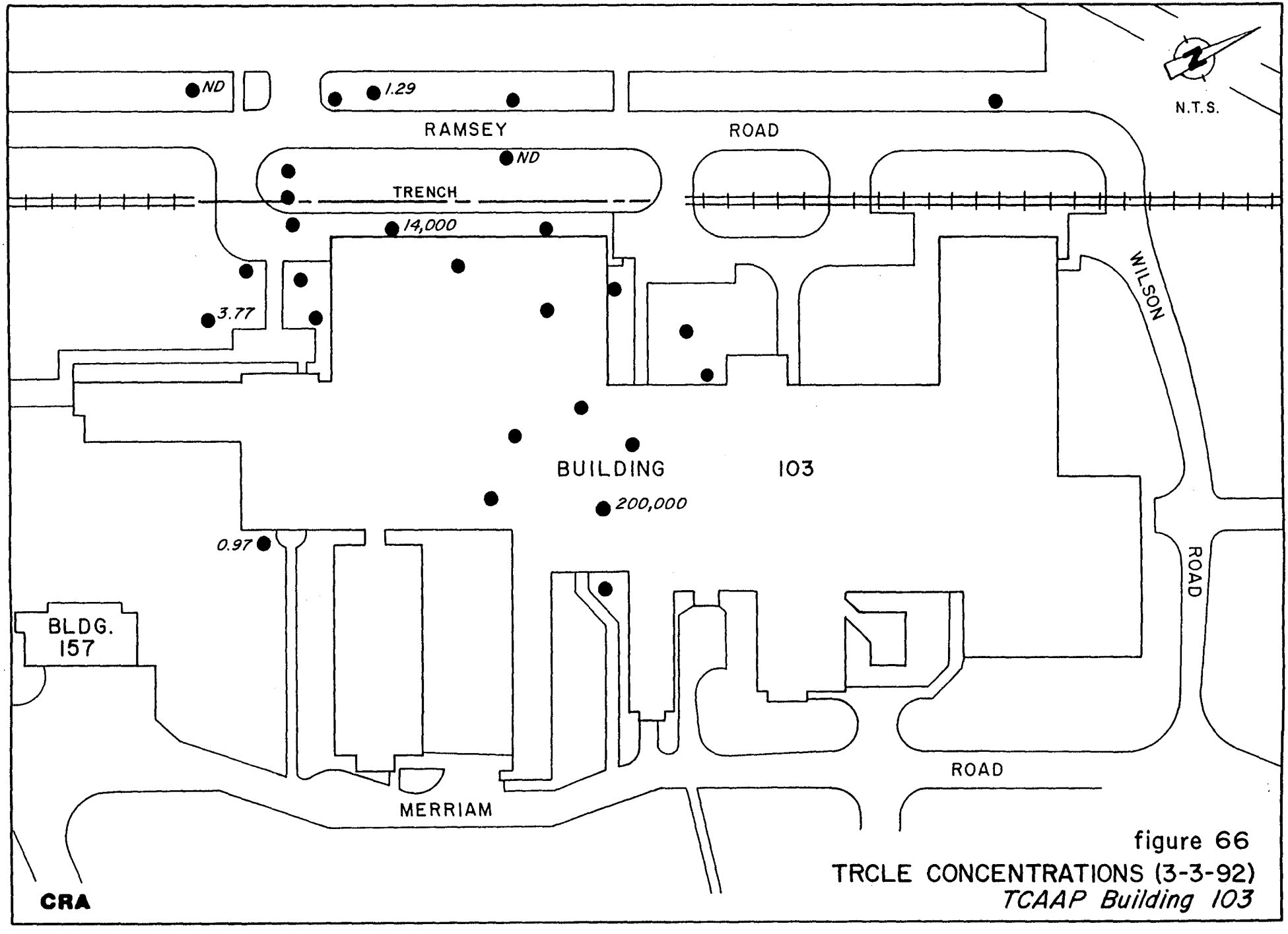


figure 66
TRCLE CONCENTRATIONS (3-3-92)
TCAAP Building 103

1496-15/12/92-M

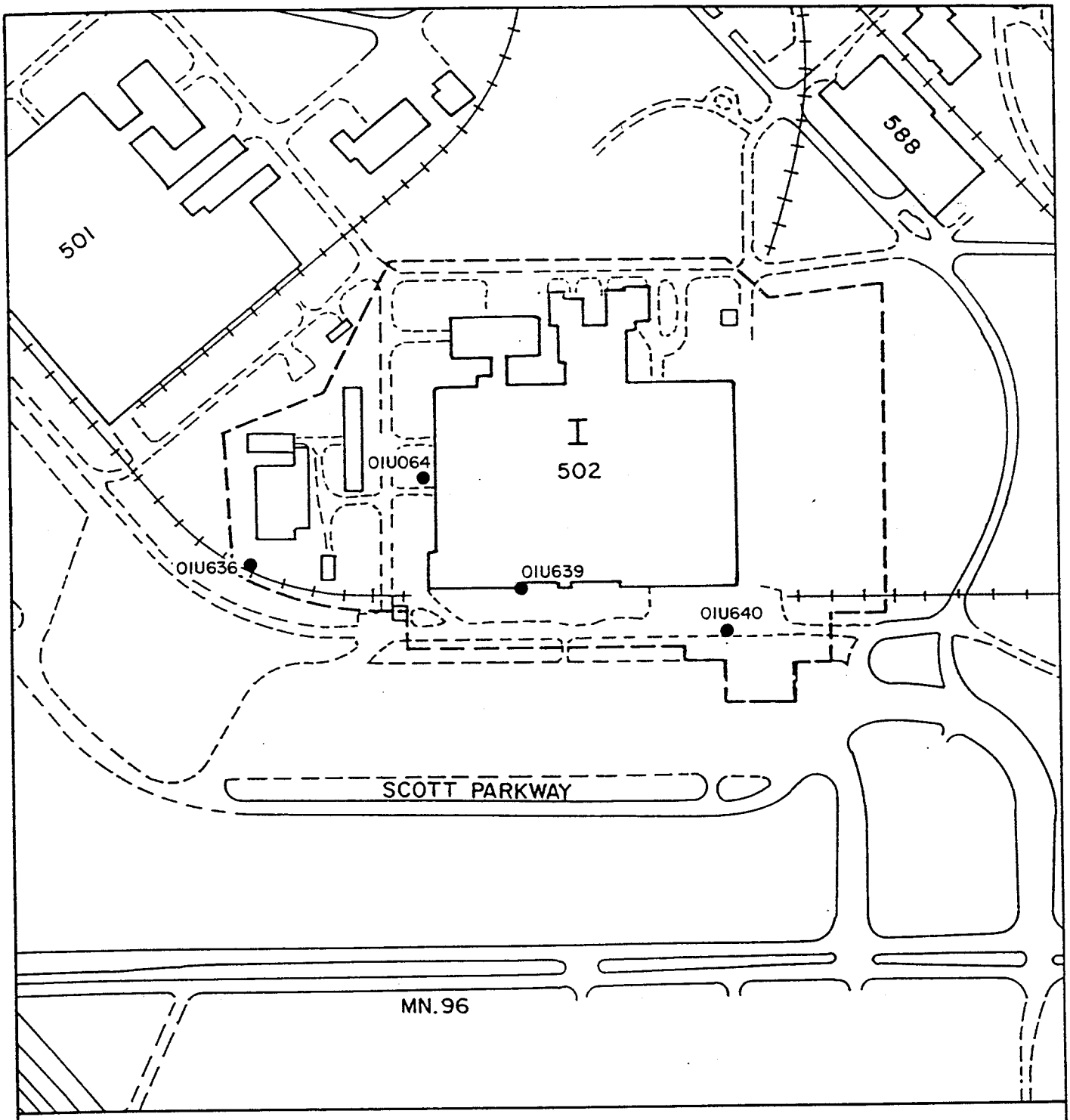


figure 67
UNIT I GROUNDWATER
MONITORING LOCATIONS
SITE I
Twin Cities Army Ammunition Plant

CRA

1499-22/06/87-M

APPENDIX A

Appendix A

Select Project Correspondence

Appendix A.1

MPCA/EPA Approval Letter for FY 92 Annual Monitoring Plan

Minnesota Pollution Control Agency
520 Lafayette Road, Saint Paul, Minnesota 55155-3898
Telephone (612) 296-6300

December 3, 1991

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

Dear Mr. McCleery:

Staff at the Minnesota Pollution Control Agency (MPCA) and the U.S. Environmental Protection Agency (EPA) have reviewed the latest draft of the 1990 Annual Monitoring Report for the Twin Cities Army Ammunition Plant (TCAAP). You are hereby advised that this report has passed the Consistency Test in accordance with Chapter XIV. of the Federal Facility Agreement.

The MPCA and the EPA acknowledge the Army's position and technical arguments regarding the effectiveness of the TCAAP Ground Water Recovery System (TGRS), and recognize them as reasonable. However, the MPCA and EPA believe a range of reasonable expectations of TGRS effectiveness exists, and that other interpretations are also acceptable, given the information presently available.

If you have any questions, please contact Mark Schmitt of the MPCA at (612) 296-7776 or Thomas Barounis of the EPA at (312) 353-5577.

Sincerely,

Mark Schmitt

Mark D.C. Schmitt, Ph.D.
Project Manager
Response Unit I
Site Response Section
Ground Water and Solid Waste Division

Mark Schmitt for

Thomas Barounis
Remedial Project Manager
U.S. Environmental Protection Agency
Region V

MDS:jlm

Appendix A.2

Modifications to the FFA
(February 1992)

Minnesota Pollution Control Agency
520 Lafayette Road, Saint Paul, Minnesota 55155-3898
Telephone (612) 296-6300

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

Dear Mr. McCleery:

RE: Federal Facility Agreement Modifications

The purpose of this letter is to document minor modifications to the Federal Facility Agreement (FFA) for the Twin Cities Army Ammunition Plant (TCAAP). These minor modifications were discussed at our meeting of June 5, 1991, and are hereby enacted in accordance with Section XXI of the FFA. The minor modifications are enclosed as Exhibit 1.

These modifications do not alter the intent or objectives of the FFA. They merely change specific details regarding sampling, monitoring, and reporting requirements. These modifications are necessary because current data requirements for the TCAAP remedial project have changed significantly from those originally envisioned when the FFA was drafted in 1987.

If you have any questions regarding this matter, please contact Mark Schmitt of the Minnesota Pollution Control Agency at (612) 296-7776 or Thomas Barounis of the U.S. Environmental Protection Agency at (312) 353-5577.

Sincerely,

Mark D. C. Schmitt, Ph.D.
Project Leader
Minnesota Pollution Control Agency
Response Unit I
Site Response Section
Ground Water and Solid Waste Division
Date: February 5, 1992

Thomas Barounis
Remedial Project Manager
U.S. Environmental Protection Agency
Region V
Date: February 5, 1992

Concur.

Martin R. McCleery
Remedial Project Manager
Twin Cities Army Ammunition Plant
Date: February 12, 1992

MDCS:pk

Enclosure

EXHIBIT 1

FEDERAL FACILITY AGREEMENT MINOR MODIFICATIONS

Twin Cities Army Ammunition Plant

A. Attachment 2

1. Section 3.1, page 13, 4th line from bottom: The wording "on Tables 2.1, 3.6, and 3.7 (A and B)" is hereby replaced by "the applicable or appropriate ROD."

2. Section 3.3, page 15: Insert a new sentence to the end of the paragraph reading, "Reporting of water level measurements to a minimum of a tenth (0.10) of a foot will be acceptable."

3. Section 3.6, page 16: All wording is hereby replaced by "Monitoring will be conducted in accordance with the approved monitoring plan."

4. Section 3.7.1, page 16: All wording is hereby replaced by "Monitoring reporting will be conducted in accordance with the approved monitoring plan. Quarterly reports shall be submitted to the Project Managers at least 15 days prior to the next quarterly sampling."

5. Section 3.7.2, pages 16-17: All wording is hereby replaced by "Monitoring reporting will be conducted in accordance with the approved monitoring plan. By February 15th of each year, an annual report which documents the results of monitoring during the previous fiscal year (October 1 through September 30) shall be submitted to the Project Managers."

6. Tables 2.1, 2.2, and 2.4: All contents in each of these three tables is hereby replaced by "Monitoring will be conducted in accordance with the approved monitoring plan."

7. Tables 2.4, and 2.5: All contents in these tables are hereby replaced by "The surface discharge monitoring program will be in accordance with the NPDES permit." Table 2.6 "The surface discharge monitoring will be in accordance with the annual monitoring plan."

B. Attachment 3

1. Section 3.5.2, page 27: All wording is hereby replaced by "Monitoring will be conducted in accordance with the approved monitoring plan."

2. Section 3.6, page 27: The first paragraph is hereby replaced by "Monitoring will be conducted in accordance with the approved monitoring plan." Insert a new sentence to the end of the second paragraph reading "Reporting of water level measurements to a minimum of a tenth (0.10) of a foot will be acceptable."

EXHIBIT 1
(continued)

FEDERAL FACILITY AGREEMENT MINOR MODIFICATIONS

Twin Cities Army Ammunition Plant

3. Section 3.8, pages 27-29: All wording is hereby replaced by: "Monitoring reporting will be conducted in accordance with the approved monitoring plan. Quarterly reports shall be submitted to the Project Managers at least 15 days prior to the next quarterly sampling. By February 15th of each year, an annual report which documents the results of monitoring during the previous fiscal year (October 1 through September 30) shall be submitted to the Project Managers."

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

HSRM-6J

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

Re: Summary Table 3.7A, Notification Criteria for 1991 Annual Monitoring Report/1993 Annual Monitoring Plan

Dear Mr. McCleery:

Pursuant to our discussion during the December, 1991 Project Managers' meeting, we are sending you a copy of revised Table 3.7A of the Federal Facility Agreement (FFA). This table lists those analytical parameters of which U.S. EPA and MPCA should be notified when their measured concentrations exceed the listed action criteria. In those instances where the action criteria are lower than instrument detection limits, hits at or above the detection limit should be reported.

Table 3.7A should be incorporated into the 1991 Annual Monitoring Report/1993 Annual Monitoring Plan. The purpose of this table is notification only. It is subject to revision in subsequent annual monitoring reports/monitoring plans.

Please contact me Tom Barounis at 312-353-5577 or Mark Schmitt at 612-296-7776 with any questions or comments that you may have.

Sincerely,

Tom Barounis

Tom Barounis
Remedial Project Manager
U.S. Environmental Protection Agency

Tom Barounis
for Mark D.C. Schmitt, Ph.D.
Project Manager
Minnesota Pollution Control Agency

Printed on Recycled Paper

REVISED TABLE 3.7A
GROUND WATER ACTION CRITERIA

Compound/Chemical	MCL[a]	MCLg[a]	Minnesota RAL[b]	Existing Criteria[c]	Existing Criteria Basis	Proposed Criteria[d]
VOLATILE ORGANIC COMPOUNDS	µg/L					
Benzene	5	0	10	0.7	10^{-6} Risk	0.7
Toluene	(2,000)[e]	(2,000)	1,000	(2,000)	MCLg	1,000
cis-1,2-Dichloroethene	(70)	(70)	70	(70)	MCLg	70
1,1,1-Trichloroethane	200	200	600	22	10^{-6} Risk	22
1,1-Dichloroethene	7	7	6	0.24	10^{-6} Risk	0.24
1,1,2-Trichloroethane	(5)	(3)	3	6.1	RAL	3
1,1,2,2-Tetrachloroethene	-	-	7	0.7	10^{-6} Risk	0.7
1,2-Dichloropropane	(5)	(0)	5	6	10^{-6} Risk	6
Xylene	(10,000)	(10,000)	10,000	(440)	MCLg	440
1,1-Dichloroethane	-	-	70	-	-	70
1,2-Dichloroethane	5	0	4	0.4	10^{-6} Risk	0.4
1,1,2-Trichloroethene	5	0	30	2.8	10^{-6} Risk	2.8
trans-1,2-Dichloroethene	(100)	(100)	100	(70)	MCLg	70
1,1,2-Trichlorotrifluoroethene	-	-	200,000	-	-	200,000
Chloroform	-	-	60	0.19	10^{-6} Risk	0.19
Vinyl Chloride	2	0	0.1	0.015	10^{-6} Risk	0.015
Carbon Tetrachloride	5	5	3	-	RAL	3
METALS	µg/L					
Antimony[f]	(10/5)	(3)	1	-	RAL	1
Arsenic	50	0	0.2	50	PDWS	0.2
Barium	(5,000)	(5,000)	2,000	1,000	PDWS	1,000
Beryllium[f]	-	-	0.08	-	RAL	0.08
Chromium	(100)	(100)	100	50	PDWS	50
Cobalt[f]	-	-	1	-	RAL	1
Copper[f]	(1,300)	(1,300)	1,000	-	SMCL	1
Cyanide	(200)	(200)	100	200	PDWS	100
Cadmium	(5)	(5)	4	5	RAL	4
Lead	(5)	(0)	20	20	MCLg	5
Nickel	(100)	(100)	70	150	RAL	70
Mercury	(2)	(2)	1	2	PDWS	1
Silver[f]	-	-	10	-	SMCL	0.09
Selenium	50	50	10	-	RAL	10
Thallium[f]	(2/1)	(0.5)	0.3	-	RAL	0.3
Vanadium[f]	-	-	20	-	RAL	20
Zinc	-	-	700	5,000	SMCL	700
POLYCHLORINATED BIPHENYLS	µg/L					
Total PCB	(0.5)	(0)	-	0.008	10^{-6} Risk	0.008

REVISED TABLE 3.7A (Continued)
GROUND WATER ACTION CRITERIA

Compound/Chemical	MCL[a]	MCLg[a]	Minnesota RAL[b]	Existing Criteria[c]	Existing Criteria Basis	Proposed Criteria[d]
RADIONUCLIDES	pcCi/L					
Alpha Emitting	-	-	-	5	-	5
Beta Emitting	-	-	-	5	-	5
Gamma Emitting	-	-	-	5	-	5
U238, U234, Cs137, Co60	-	-	-	5	-	5

Notes:

MCL	Maximum Contaminant Level
MCLg	Maximum Contaminant Level Goal
RAL	Recommended Allowable Limit
-	Not Available
PDWS	Primary Drinking Water Standard
SMCL	Secondary Maximum Contaminant Level
▒	Compounds presented with proposed criteria that differ from the existing criteria are shaded
a	U.S EPA, 1991, Drinking Water Regulations and Health Advisories, Office of Drinking Water Standards (October)
b	Minnesota Department of Health, 1991, Recommended Allowable Limits for Drinking Water Contaminants, Release No. 3, Section of Health Risk Assessment (January)
c	U.S. EPA, 1987, Federal Facility Agreement, Table 3.7A (August)
d	If the existing criteria for a chemical/compound is based on a 10^{-6} cancer risk, that value was selected as the proposed criteria. If the existing criteria for a chemical/compound is not based on a 10^{-6} cancer risk, the existing criteria was compared to current values identified for its MCL, MCLg, RAL, PDWS or SMCL, and the lowest non-zero value selected as the proposed criteria.
e	Values in ( ) are proposed
f	Metals added to the list in Table 3.7A of the FFA

Appendix A.3

New Water Well Records

LOCATION

County Name: HENNEPIN

MINNESOTA DEPARTMENT OF HEALTH
WELL RECORD
Minnesota Statutes Chapter 1031

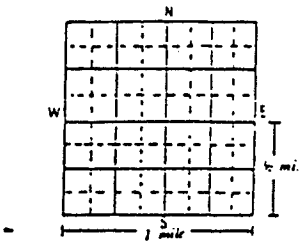
MINNESOTA UNIQUE WELL NO. 512761

Township Name	Township No	Range No.	Section No.	Fraction
ST ANTHONY	29N	23W	7	SW NE SE

Numerical Street Address and City of Well Location: 2261 ST ANTHONY BLVD-GROSS GOLF

Fire Number:

Show exact location of well in section grid with "X".



Sketch map of well location. Showing property lines, roads and buildings.

WELL DEPTH (completed): 437 ft. | Date Work Completed: OCT. 23, 1992

DRILLING METHOD: ☒ Cable Tool ☐ Driven ☐ Dug ☒ Auger ☐ Rotary ☐ Jetted ☐ REVERSE ROTARY

DRILLING FLUID: WATER

USE: ☐ Domestic ☐ Monitoring ☐ Heating/Cooling ☒ Irrigation ☐ Public ☐ Industry/Commercial ☐ Test Well ☐ Dewatering ☐ Remedial

CASING: ☒ Steel ☐ Plastic | Drive Shoe? ☒ Yes ☐ No | ☐ Threaded ☒ Welded

CASING DIAMETER	WEIGHT	HOLE DIAM.
24 in. to 131.1 ft.	94.62 lbs./ft.	23 in. to 270 ft.
~~18~~ in. to ~~280.5~~	~~70.59~~ lbs./ft.	18 in. to 437 ft.
~~12~~ in. to ~~340.5~~	~~49.56~~ lbs./ft.	in. to ft.

SCREEN: ~~NONE~~ Make: Type: Slot/Gauze: Set between ft. and ft.

OPEN HOLE from 340.5 ft. to 437.0 ft. Diam. Length FITTINGS:

STATIC WATER LEVEL: 155.6 ft. ☒ below ☐ above land surface Date measured 10/11/92

PUMPING LEVEL (below land surface): 159.0 ft. after 7 hrs. pumping 590 g.p.m.

WELL HEAD COMPLETION: ☐ Pitless adapter manufacturer Model ☐ Casing Protection ☒ 12 in. above grade

GROUTING INFORMATION: Well grouted? ☒ Yes ☐ No
Grout Material ☒ Neat cement ☐ Bentonite
from SUR 270 22.0 yds. ☐ bags
from SUR 340 7.0 yds. ☐ bags
from to ft. yds. ☐ bags

NEAREST KNOWN SOURCE OF CONTAMINATION: feet direction type
Well disinfected upon completion? ☒ Yes ☐ No

PUMP: ☒ Not installed Date installed
Manufacturer's name
Model number HP Volts
Length of drop pipe ft. Capacity g.p.m.
Pressure Tank Capacity
Type: ☐ Submersible ☐ L.S. Turbine ☐ Reciprocating ☐ Jet ☐

ABANDONED WELLS: Does property have any not in use and not sealed well(s)? ☐ Yes ☒ No

PROPERTY OWNER'S NAME: HPGRD--GROSS GOLF COURSE

Mailing address if different than property address indicated above.

MPLS PARK & REC. DEPT
3800 BRYANT AVE S
MINNEAPOLIS, MN 55409
Mr Dennis Ryan (612) 348-2220

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
CLAY	YELLOW	S	0	12
SAND	BROWN	S	12	30
SAND & ROCKS	BROWN		30	60
FIND SAND	BROWN	S	60	110
HARD PAN	BROWN	H	110	123
DECORAH SHALE	BLUE	H	123	128
PLATTEVILLE	GREY	H	128	164
GLENWOOD SHALE	BLU/GRN	H	164	167
ST PETER S.S	WHITE	F	167	280
BASAL ST PETER	YELLOW	F	280	325
SHAKOPEE	PINK	H	325	437
JORDAN	BLUISH	S	437	

Use a second sheet if needed

REMARKS, ELEVATION, SOURCE OF DATA, etc. U-76

M.G.S. QUAD NUMBER C-119
ELEVATION 950FT +/- 5FT
WORK COMPLETED WITH JOEL TOSO
OF BAR ENGINNERING 832-2872
ROGER E. RENNER, MWC
(612) 427-6100

WELL CONTRACTOR CERTIFICATION

This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

E.H. RENNER & SONS, INC. 71015
Licensee Business Name *Lic. or Reg. No.*

Authorized Representative Signature 10/23/92 *Date*

RODNEY SIGAFOOS 10/23/92
Name of Driller *Date*

WELL CONTRACTOR COPY 512761

HE-01205-04 (Rev. 5/92)

Appendix A.4

Well Abandonment Records

FEDERAL CARTRIDGE COMPANY
Twin Cities Army Ammunition Plant
New Brighton, Minnesota 55112-5795

September 23, 1992

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
Department of the Army
New Brighton, Minnesota 55112

Attention: SMCTC-EV

Dear Sir:

Subject: Abandonment of Gravel Pit Wells

Two wells in the gravel pit, wells #03L523 and #03L522, have been properly abandoned according to Minnesota Rules 4725.2500 through 4725.2900. Abandonment reports have been sent to the Minnesota Dept. of Health as required by the aforementioned rules.

Attached you will find completed well abandonment reports for both wells. Please forward copies to the MPCA as they requested.

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

Attachments

cc: D. L. Terho, w/o Attach.
B. Manderfeld, w/o Attach.
Bruce Bloomgren, Minn. Geological Survey, w/Attach.

disk #5/g

Fax 627-5135

STATE OF MINNESOTA DEPARTMENT OF HEALTH

ABANDONED WELL RECORD

MINNESOTA UNIQUE WELL NO. (leave blank if not known) 206725

1. LOCATION OF WELL

County Name: Ramsey

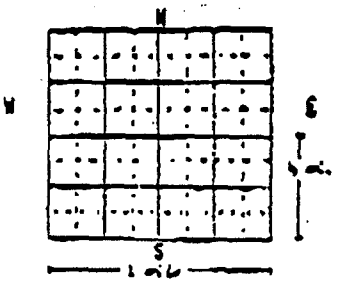
Township Name	Township Number	Range Number	Section No.	Fraction	4. WELL DEPTH (completed)	Date Sealed
	30 N or S	23 N or W		SW NW NE	209 ft.	8-5-92

Numerical Street Address and City of Well Location or Distance from Road Intersection

Gravel Pit

Show exact location of well (in section grid with "X")

Sketch map of well location



5. DRILLING METHOD (If known)
☐ Cable tool ☒ Reverse ☐ Driven ☐ Dug
☐ Hollow Rod ☐ Air ☐ Auger ☐ _____
☐ Rotary ☐ Jetted ☐ Power Auger

6. OBSTRUCTIONS
Well obstructed ☐ Yes ☐ No
Obstructions removed ☐ Yes ☐ No If obstructions cannot be removed, contact MDH before sealing.

7. USE
☒ Domestic ☐ Monitoring ☐ Heat Loop
☐ Irrigation ☒ Public ☐ Industry
☐ Test Well ☐ Municipal ☐ Commercial
☐ Air Conditioning ☐ _____

2. PROPERTY OWNER'S NAME: U.S. Army

Mailing Address if different than property address indicated above: Arden Hills Mn. 55112

8. CASING(S)
☒ Black ☐ Threaded ☐ _____
☐ Galv. ☒ Welded
☐ Plastic ☐ Stainless Steel
16 in. to 15 ft.
8 in. to 189 ft.

3. FORMATION LOG — If not known, indicate formation log from new well or nearby well.

FORMATION LOG	COLOR	HARDNESS OF FORMATION	FROM	TO
Sand & Gravel			0	40
Sand & Gravel		Coarse	40	150
" "		"	150	200
Streaks of Clay	Brown		200	207
Yellow Limestone	Brown		207	209

9. SCREEN
☐ Screened well from 189 ft. to 209 ft. (If known)
☐ Open Hole from ___ ft. to ___ ft.

10. STATIC WATER LEVEL
133 ft. ☐ Below ☐ Above land surface Date Measured 8-6-61

11. WELLHEAD COMPLETION
☐ Pitless Adapter ☐ Pound Buried
☐ Basement offset ☐ _____
☐ Well Pit Ground level

12. GROUTING INFORMATION
☐ Neat Cement ☐ Bentonite ☐ _____
Grout material _____ from ___ to ___ ft. cu. yds ___

13. NEAREST SOURCES OF CONTAMINATION
___ feet _____ direction ? type
Well disinfected before sealing? ☒ Yes

14. REMARKS, ELEVATION, SOURCE OF DATA - CASINGS REMOVED, CASINGS PERFORATED, ETC.
Casing perforated as per instructions

15. PUMP ☒ Removed ☐ Not Present
Type: ☒ Submersible ☐ L.S. Turbine ☐ Reciprocating
☐ Jet ☐ Centrifugal ☐ _____

16. EXISTING WELLS (Please sketch locations of abandoned and active wells in remarks section or on back.)
Other unused well(s) on property? ☐ Yes ☒ No
Abandoned: ☒ Permanent ☐ Temporary ☐ Not sealed

17. WATER WELL CONTRACTORS CERTIFICATION
This well was sealed under my jurisdiction and this report is true to the best of my knowledge and belief.

Layne Mn. Co. 27010
Licensed Business Name License No.

Address: 3147 Cty. St. NE Mpls. Mn.

Signed _____ Date _____

Fred Wendt Date 9-22-92

633-7600

SEP 22 '92 09:06 LAYNE MINNESOTA CO

P.2/2

STATE OF MINNESOTA DEPARTMENT OF HEALTH

ABANDONED WELL RECORD

MINNESOTA UNIQUE WELL NO. (leave blank if not known) 231854

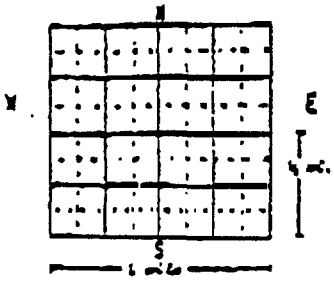
1. LOCATION OF WELL

County Name

Township Name	Township Number N or S	Range Number E or W	Section No.	Fraction ¼ ¼ of ¼	4. WELL DEPTH (completed)	Date sealed
	30N	23N		SW NW NE	236 ft.	8-5-92

Numerical Street Address and City of Well Location or Distance from Road Intersection: Gravel Pit

Show exact location of well (in section grid with "X")



Sketch map of well location

5. DRILLING METHOD (if known)
- [X] Cable tool
- [ ] Reverse
- [ ] Driven
- [ ] Dug
- [ ] Hollow Rod
- [ ] Air
- [ ] Bored
- [ ] Rotary
- [ ] Jetted
- [ ] Power Auger

6. OBSTRUCTIONS
Well obstructed [ ] Yes [ ] No
Obstructions removed [ ] Yes [ ] No
If obstructions cannot be removed, contact MDH before sealing.

7. USE
- [ ] Domestic
- [ ] Monitoring
- [ ] Heat Loop
- [ ] Irrigation
- [ ] Public
- [X] Industry
- [ ] Test Well
- [ ] Municipal
- [ ] Commercial
- [ ] Air Conditioning

2. PROPERTY OWNER'S NAME: US Army

Mailing Address if different than property address indicated above: Arden Hills Mn 55112

8. CASING(S)
- [X] Black
- [ ] Threaded
- [ ] Galv.
- [X] Welded
- [ ] Plastic
- [ ] Stainless Steel

24 in. to 215 ft.
16 in. to 215 ft.

3. FORMATION LOG — If not known, indicate formation log from new well or nearby well.

FORMATION LOG	COLOR	HARDNESS OF FORMATION	FROM	TO
Sand & Gravel			0	35
Sand & Clay			35	65
Sand & Gravel			65	194
Coarse " "			194	215
" " "			215	225

9. SCREEN
- [ ] Screened well from 12 ft. to 20 ft. (if known)
- [ ] Open Hole from ___ ft. to ___ ft.

10. STATIC WATER LEVEL
155 ft. [ ] below [ ] above land surface Date Measured ___

11. WELLHEAD COMPLETION
- [ ] Pitless Adapter
- [ ] Found Buried
- [ ] Basement offset
- [ ] Well Pit

Ground level

12. GROUTING INFORMATION
- [ ] Neat Cement
- [ ] Bentonite
- [ ] None

Grout material ___ from ___ to ___ ft. cu. yds ___

13. NEAREST SOURCES OF CONTAMINATION
___ feet ___ direction ? type
Well disinfected before sealing? [ ] Yes

14. PUMP [ ] Removed [ ] Not Present
Type: [ ] Submersible [X] L.S. Turbine [ ] Reciprocating [ ] Jet [ ] Centrifugal [ ] ___

15. EXISTING WELLS (Please sketch locations of abandoned and active wells in remarks section or on back.)
Other unused well(s) on property? [ ] Yes [X] No
Abandoned: [X] Permanent [ ] Temporary [ ] Not sealed

16. REMARKS, ELEVATION, SOURCE OF DATA - CASINGS REMOVED, CASINGS PERFORATED, ETC.

Cemented up between 24 and 16
filled in thru screen & surface

17. WATER WELL CONTRACTORS CERTIFICATION
This well was sealed under my jurisdiction and this report is true to the best of my knowledge and belief.

Layne Mn Co. 27010
Licensee Business Name License No.

Address: 3147 Cahill St. NE Mpls.
Signed: Jerry Albers Date 9-22-92
Fred Wendt Date 9-22-92
Name of Driller

Comments (Please write any comments in the space for Property Transfer)

APPENDIX B

Appendix B

Well Designation Cross Reference Guide

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
03L001	S1L3	234137	
03M001	S1M3	234136	
03U001	S1U3	234135	
04U001	S1U4	234138	
03L002	S2L3	234141	
03M002	S2M3	234140	
03U002	S2U3	234139	
04U002	S2U4	234194	
01U003	S3U1	236176	
03L003	S3L3	234144	
03M003	S3M3	234143	
03U003	S3U3	234142	
04U003	S3U4	234193	
PJ#003	S3PJ	236468	
01U004	S4U1	234198	
03M004	S4M3	234146	
03L004	S4L3	234147	
03U004	S4U3	234145	
03L005	S5L3	236079	
03M005	S5M3	440885	
03U005	S5U3	234148	
03U006	S6U3	234149	
03L007	S7L3	234152	
03M007	S7M3	234151	
03U007	S7U3	234150	
04U007	S7U4	234195	
03U008	S8U3	234153	
03U009	S9U3	234154	
03L010	S10L3	234157	
03M010	S10M3	234156	
03U010	S10U3	234155	
01U011	S11U1	234199	
03U011	S11U3	234158	
01U012	S12U1	234200	
03L012	S12L3	234161	
03M012	S12M3	234160	
03U012	S12U3	234159	
04U012	S12U4	234196	
03L013	S13L3	234164	
03M013	S13M3	234163	
03U013	S13U3	234162	
03L014	S14L3	235748	
03U014	S14U3	234165	
03U015	S15U3	234166	

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
03U016	S16U3	234167	
03L017	S17L3	234170	
03M017	S17M3	234169	
03U017	S17U3	234168	
03L018	S18L3	235749	
03U018	S18U3	234171	
03U019	S19U3	234172	
03L020	S20L3	234175	
03M020	S20M3	234174	
03U020	S20U3	234173	
04U020	S20U4	234197	
03L021	S21L3	235750	
03U021	S21U3	234176	
01U022	S22U1	234201	
03U022	S22U3	236178	
03U023	S23U3	236179	
03U024	S24U3	236180	
03U025	S25U3	236181	
03U026	S26U3	236182	
03L027	S27L3	235751	
03U027	S27U3	236183	
04U027	S27U4	242138	
PJ#027	S27PJ	236469	
03L028	S28L3	235752	
03U028	S28U3	236184	
03L029	S29L3	235753	
03U029	S29U3	236185	
03U030	S30U3	236186	
03U031	S31U3	236187	
03U032	S32U3	236188	
01U033	S33U1	234202	
01U034	S34U1	234204	
01U035	S35U1	234205	
01U036	S36U1	234206	
01U037	S37U1	234207	
01U038	S38U1	234208	
01U039	S39U1	234209	
01U040	S40U1	234210	
01U041	S41U1	234211	
01U043	S43AU1	236177	
01U044	S44U1	234212	
01U045	S45U1	234215	
01U046	S46U1	234216	
01U047	S47U1	234217	

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
01U048	S48U1	234218	
01U050	S50AU1	234221	
01U051	S51U1	234222	
01U052	S52U1	234223	
01U053	S53AU1	234225	
01U054	S54AU1	234227	
01U060	S60U1	234235	
01U062	S62U1	234237	
01U063	S63U1	234239	
01U064	S64U1	234240	
01U065	S65U1	234241	
01U067	S67U1	234243	
01U072	S72AU1	234250	
PJ#074	S74PJ	235565	
03U075	S75U3	236078	
03U076	S76U3	236077	
03L077	S77L3	236076	
03U077	S77U3	236075	
04J077			
04U077	S77U4	426877	
03L078	S78L3	236074	
03U078	S78U3	236073	
03L079	S79L3	242160	
03U079	S79U3	236072	
03L080	S80L3	236071	
03L081	S81L3	236070	
03U082	S82U3	236476	
03U083	S83U3	236478	
03L084	S84L3	440887	
03U084	S84U3	236069	
01U085	S85U1	236479	
03L086	S86L3	236068	
03U087	S87U3	236480	
03U088	S88U3	236482	
03U089	S89U3	236483	
03U090	S90U3	236485	
03L091	S91L3	236067	
03U092	S92U3	236487	
03U093	S93U3	236489	
03U094	S94U3	236066	
03U096	S96U3	236491	
03U097	S97U3	236493	
01U098	S98U1	236494	
03U099	S99U3	236495	

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
01U100	S100U1	236497	
01U101	S101U1	236498	
01U102	S102U1	236499	
01U103	S103U1	236500	
01U104	S104U1	236501	
01U105	S105U1	236502	
01U106	S106U1	236503	
01U107	S170U1	236504	
01U108	S108U1	236505	
01U109	S109U1	236506	
01U110	S11OU1	236507	
03U111	S111U3	236508	
03U112	S112U3	236510	
03L113	WF1L3	236080	
03U113	WF1U3	242124	
03U114	WF2U3	242125	
01U115		472411	
01U116		427412	
01U117		427413	
01U118		427414	
01U119		427415	
01U120		427410	
03U121		440884	
01U122		440888	
03U124		440896	
01U125		440889	
01U126		440890	
01U127		440891	
01U128		440892	
03U129		440886	
01U130		440895	
01U131			
01U132			
01U133		440893	
01U135		447998	
01U136		447999	
01U137		505189	
03L137			
01U138		505190	
03L138			
01U139		505191	
01U140		505192	
01U141		505193	

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
03U301	SC1		
03F302	B1	426842	
03F303	B2	426843	
03F304	B3	426844	
03F305	B4	426845	
03F306	B5	426846	
03F307	B6	426847	
03F308	B7		
PJ#309	B8		
PJ#310	B9		
PJ#311	B10		
03F312	B11		
PJ#313	B12		
03U314	SC-2		
03U315	SC-3		
03U316	SC-4		
03U317	SC-5		
PJ#318	318U4	447894	
04U322	322U4	508115	
01U350			
04U414	414U4	500691	
PJ#501		206754	
PJ#502		206756	
PJ#503		206758	
PJ#504		206724	Abandoned
03M505		231857	Abandoned
PJ#506			
PJ#507		206755	
PJ#508		206759	
03M509		206760	
04U510		231742	
03U521		114410	
03L522	Gravel Pit	221854	Abandoned 8/92
03L523	Gravel Pit	221855	Abandoned 8/92
01U524	FA4U1	236194	
01U525	FW5U1	236196	
01U526	FV12U1	236197	
01U527	FV8U1	236195	

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
01U601	OW101U1	236189	
01U602	OW102U1	236190	
01U603	OW103U1	236191	
01U604	OW104U1	236192	
01U605	OW10571	236193	
01U607	OW107U1	242127	
01U608	OW108U1	242128	
01U609	OW109U1	242129	
01U611	OW111U1	242131	
01U612	OW112U1	194758	
01U613	OW113U1	194759	
01U615	OW115U1	194760	
01U616	OW116U1	194761	
01U617	OW117U1	194770	
01U618	OW118U1	194771	
01U619	PW119U1	194772	
01U620	OW120U1	194701	
01U621	PW121U1	194702	
01U622	OW122U1	194703	
01U623	OW123U1	194704	
01U624A	BP185A	242182	
01U624B	BP185B	242183	
01U624C	BP185C	242184	
01U624D	BP185D	242185	
01U625A	BP285A	242186	
01U625B	BP285B	242187	
01U625C	BP285C	242188	
01U625D	BP285D	242189	
01U626A	BP385A	242190	
01U626B	BP385B	242191	
01U626C	BP385C	242192	
01U626D	BP385D	242193	
01U627A	BP485A	242194	
01U627B	BP485B	242195	
01U627C	BP485C	242196	
01U627D	BP485D	242197	
01U628A	BP585A	242198	
01U628B	BP585B	242199	
01U628C	BP585C	242200	
01U628D	BP585D	242201	
01U631	OW501U1	194720	
01U632	OW502U1	194721	
01U634	OW504U1	194716	
01U635	OW505U1	194722	

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
01U636	OW506U1	194723	
01U638	OW508U1	194717	
01U639	OW509U1	194718	
01U640	OW510U1	194719	
01U642	OW512U1	194724	
03U647		242132	
03U648		242133	
01U652	OW522U1	242134	
03U658		421426	
03U659		421425	
01U666	OW536U1	242135	
01U667	OW537U1	242136	
01U668	OW538U1	242137	
03U671	PO-1	421438	
03U672	PD2U3	421440	
03L673	PD3L3	426815	
03U673	PD3U3	421441	
04U673	PD3U4	426867	
03U674	OW541U3		
03U675			
03U676			
03U701	701U3	426848	
04U701	701U4	426849	
03U702	702U3	426850	
04J702			
04U702	702U4	426876	
03U703	703U3	426878	
03U704	704U3	426883	
03U705	705U3	426884	
03U706	706U3	426885	
03U707	707U3	426886	
03U708	708U3	426879	
04J708			
04U708	708U4	426880	
03U709	709U3	426881	
04U709	709U4	426882	
03U710	71OU3	434032	
03U711	711U3	434033	
04U711	711U4	434031	
03M713			
04J713			
04U713			
04J714			

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
04U714			
03U715	SM1		
03U716	SM2		
03L801	321L3	434039	
03U801	T1U3	236449	
03L802	T2L3	426817	
03M802	T2M3	426818	
04U802	T2U4	236450	
PJ#802	T2PJ	421437	
01U803	T3U1	424053	
03U803	T3U3	421434	
03U804	T4U3	421433	
01U805	T5U1	424060	
03U805	T5U3	421432	
01U806	T6U1	424058	
03L806	T6L3	421429	
03M806	T6M3	421430	
03U806	T6U3	421431	
04U806	T6U4	421428	
PJ#806	T6PJ	421427	
01U807	T7U1	424059	
01U808	T8U1	424057	
03L809	T9L3	426868	
01L811	H1L1	424055	
03L811	H1L3	426809	
03U811	H1U3	426808	
01L813	H3L1	424062	
01U813		242153	
03L813	H3L3	426816	
03U815	H5U3	426862	
01L816	H6L1	424056	Abandoned
01L821	NW1L1	424054	
03U821	NW1U3	426810	
04U821	NW1U4	426811	
01L822	NW2L1	424052	
03L822	NW2L3	426813	
03U822	NW2U3	426812	
01L823	NW3L1	424061	
03U824	NW4U3	426814	
03U831	OM1U3	426863	
03L832	OM2L3	426865	
03U832	OM2U3	426864	
04U832	OM2U4	426866	

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
03L841	301L3	434037	
04U841	301U4	426851	
03M843	303M3	426852	
04U843	303U4	426853	
04U844	304U4	426854	
04U845	305U4	426855	
03L846	306L3	447899	
04U846	306U4	426856	
04U847	307U4	426857	
03L848	308L3	416199	
03M848	308M3	416051	
04U848	308U4	416078	
04U849	309U4	416082	
04U850	310U4	416200	
04U851	311U4	406198	
04U852	312U4	416080	
03L853	313L3	426858	
03L854	314L3	426859	
04U854	314U4	439701	
04U855	315U4	426860	
03L856	316L3	426861	
03L858	318L3	416081	
03L859	319L3	434040	
04U859	319U4	434036	
03L860	320L3	434038	
04U860	320U4	434035	
03L861	321L3	434039	
04U861	321U4	434034	
04U871	401U4	447889	
04U872	402U4	447988	
04U875	405U4	447898	
04U877	407U4	447896	
04U879	409U4	447900	
04U880	410U4	447895	
04U881	411U4	447891	
04U882	412U4	447890	
04U883	413U4	447892	
01U901	H3U1	505210	
01U902		505209	

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
	BOYLE		
	SEUTTER	134318	
	MODEL STONE	191942	
	OLD DUTCH	200076	
	PAPER CALMERSON	200148	Pump Decommissioned
	U OF M GOLF COURSE	200154	
		200264	1620 Central
	ST. ANTHONY #5	200524	
	ST. ANTHONY #4	200803	
	ST. ANTHONY #3	200804	
	GROSS GOLF COURSE	200812	
	AMERICAN LINEN	200814	
	CLOVER POND WELL	206688	
	MOUNDSVIEW H.S.	206787	
	NEW BRIGHTON #7	206791	
	NEW BRIGHTON #3	206793	
	NEW BRIGHTON #6	206797	
	MNDOT	231845	
	MENGELKOCH #2	231878	
	REUBEN MEAT	233221	
	LOWRY GROVE TRAILER	233222	
	ROSELAWN CEMETARY	233533	
	HIDE & TALLOW #1	234319	
	MENGELKOCH #1	234335	
	MENGELKOCH #3	234337	
	LENTSCH'S ICE WK.	234353	
	NORDQUIST P43	234356	
	PHILLIPS PET P46	234357	
	HIDE & TALLOW	234409	
	KEN GEREBI	234425	Formerly Jack Lee
	CMIEL	234430	
	KEN SOLIE	234463	
	HONEYWELL RIDGEWAY	234546	
	HONEYWELL RIDGEWAY	234547	
	OLD HOTEL	235539	
	SHRINERS HOSPITAL	235619	
	NWR	236122	Abandoned
	METAL-MATIC INC.	405651	
	PCA2L3	409546	
	PCA1U4	409547	
	PCA2U4	409548	
	PCA3U4	409549	
	PCA6U3	409550	
	PCA5U4	409555	

USATHAMA IRDMIS Designation	Common Name	Minnesota Unique Number	Comments
	PCA4L3	409556	
	PCA1L3	409557	
	B109U3	409595	Abandoned
	B118U3	409596	
	B118L3	409597	
	B117U3	409598	Abandoned
04U414	EZ SELF SERVICE	500691	
04U322		508115	

APPENDIX C

Appendix C

FY 1992 Groundwater Level Monitoring Plan

Notes:

X	=	Monitoring delegated to FCC
X(A)	=	Monitoring delegated to Alliant Techsystems, Inc.
1	=	Monitoring performed by FCC
2	=	Monitoring performed by Alliant Techsystems, Inc.
3	=	Monitoring performed by both parties
□	=	Monitoring not performed

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
A	01U038		---	X	---	---
	01U039		---	X	---	---
	01U040		---	X	---	---
	01U041		---	X	---	---
	01U063		---	X	---	---
	01U067		---	X	---	---
	01U102		---	X	X	X
	01U103		---	X	---	---
	01U104		---	X	---	---
	01U105		---	X	---	---
	01U106		---	X	---	---
	01U107		---	X	---	---
	01U108		---	X	X	X
	01U109		---	X	---	---
	01U110		---	X	---	---
	01U115		---	X	X	X
	01U116		---	X	---	---
	01U117		---	X	---	---
	01U118		---	X	---	---
	01U119		---	X	---	---
	01U120		---	X	---	---
	01U125		---	X	---	---
	01U126		---	X	---	---
	01U127		---	X	---	---
	01U133		---	X	---	---
	01U135		---	X	---	---
	01U136		---	X	---	---
	01U350		X	X	X	X
	01U901		---	X	---	---
	01U902		---	X	X	X
	134318		---	---	---	---
	MNDOT		---	[X]	---	---
	03U023		---	X 3	---	---
	03L529		---	---	---	---

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
B	01U011		---	X1	---	---
	01U022		---	X1	---	---
	01U033		---	X1	---	---
	01U034		---	X1	---	---
	01U035		---	X1	---	---
	01U036		---	X1	---	---
	01U037		---	X1	---	---
	01U100		---	X1	---	---
	01U101		---	X1	---	---
	01U122		---	X1	---	---
	03U011		---	X3	---	---
	03U022		---	X3	---	---
	03U082		---	X3	---	---
C	01U043		---	X1	---	---
	01U045		---	X1	---	---
	01U046		---	X1	---	---
	01U085		---	X1	---	---
	03U024		---	X3	---	---
	03U025		---	X3	---	---
	03U083		---	X3	---	---
D	03U017		---	X(A)2	---	X(A)2
	03U018		---	X(A)2	---	X(A)2
	03U093		---	X(A)2	X(A)2	X(A)2
	03U096		---	X(A)2	---	X(A)2
	03U316		X(A)2	X(A)2	X(A)2	X(A)2
	03U317		X(A)2	X(A)2	X(A)2	X(A)2
	03U716		---	X3	X3	X3
	03M017		---	X(A)2	---	X(A)2
	03L017		---	X(A)2	---	X(A)2
	03L018		---	X(A)2	---	X(A)2

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
E	03U015		---	X3	---	---
	03U088		---	X3	---	---
	03U089		---	X3	---	---
	03U704		Refer to Gravel Pit area			
F	03U019		---	X3	---	---
	03U026		---	X1	---	---
	03U090		Refer to Site 129-15			
	03U092		---	X3	X1	X3
	03U112		---	X3	---	---
	03U113		---	X3	---	---
	03U114		---	X1	X1	X1
	03U121		---	X1	---	---
	03L113		---	X3	---	---
	03L137		Refer to Bedrock Valley			
G	03U014		X(A)2	X(A)2	X(A)2	X(A)2
	03U020		X(A)2	X(A)2	X(A)2	X(A)2
	03U094		---	X(A)2	---	X(A)2
	03U314		X(A)2	X(A)2	X(A)2	X(A)2
	03U315		X(A)2	X(A)2	X(A)2	X(A)2
	03U715		X(A)2	X(A)2	X(A)2	X(A)2
	03M020		X(A)2	X(A)2	X(A)2	X(A)2
	03L014		---	X(A)2	---	X(A)2
	03L020		X(A)2	X(A)2	X(A)2	X(A)2
	04U020		X(A)2	X(A)2	X(A)2	X(A)2
	PJ#074		---	---	---	---
	PJ#508		Refer to Misc. Wells			

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
H	01U060		---	X1	---	---
	01U098		---	X1	---	---
	03U099		---	X 1	---	---
I	01U003		Refer to Site J			
	01U004		---	---	---	---
	01U053		Refer to Site J			
	01U054		---	---	---	---
	01U064		---	X(A)2	---	X(A)
	01U132		---	---	---	---
	01U631		---	---	---	---
	01U632		---	---	---	---
	01U634		---	---	---	---
	01U635		---	---	---	---
	01U636		---	X(A)2	---	X(A)
	01U638		---	---	---	---
	01U639		---	X(A)2	---	X(A)
	01U640		---	X(A)2	---	X(A)
	01U642		---	---	---	---
	01U652		---	---	---	---
	01U666		---	---	---	---
	01U667		---	---	---	---
	01U668		---	---	---	---
	01U675		---	---	---	---
	03U003		Refer to SW Boundary			
	03U004		---	X(A)2	---	X(A)2
	03U027		---	X(A)2	---	X(A)2
	03U028		---	X(A)2	---	X(A)2
	03U029		---	X(A)2	---	X(A)2
	03U030		---	X(A)2	---	X(A)2
	03U078		Refer to SW Boundary			
	03U079		Refer to SW Boundary			
	03U301		X(A)2	X(A)2	X(A)2	X(A)2
	03U528		---	---	---	---

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
I (CONT.)	03U647		---	X(A)2	---	X(A)2
	03U648		---	X(A)2	---	X(A)2
	03U658		---	X(A)2	---	X(A)2
	03U659		---	X(A)2	---	X(A)2
	03U672		Refer to SW Boundary			
	03U674		---	X(A)2	---	X(A)2
	03U675		---	---	---	---
	03U676		---	---	---	---
	03U703		Refer to SW Boundary			
	03U710		Refer to SW Boundary			
	03M003		Refer to SW Boundary			
	03M004		---	X(A) 2	---	X(A) 2
	03L003		Refer to SW Boundary			
	03L004		---	X(A)2	---	X(A)2
	03L027		---	X(A)2	---	X(A)2
	03L028		---	X(A)2	---	X(A)2
	03L029		---	X(A)2	---	X(A)2
	03L078		Refer to SW Boundary			
	03L079		Refer to SW Boundary			
	03L080		---	X(A)2	---	X(A) 2
	03F302		X(A)2	X(A)2	X(A)2	X(A)2
	03F303		X(A)2	X(A)2	X(A)2	X(A)2
	03F312		X(A)2	X(A)2	X(A)2	X(A)2
	04U003		Refer to SW Boundary			
	04U027		---	X(A)2	---	X(A)2
	PJ#003		Refer to SW Boundary			
	PJ#027		---	X(A) 2	---	X(A)2

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
J	01U003		---	X1	---	---
	01U050		---	X1	---	---
	01U051		---	X1	---	---
	01U053		---	X1	---	---
	01U054		---	X1	---	---
	01U062		---	X1	---	---
	01U524		---	X1	---	---
	01U525		---	X1	---	---
	01U526		---	X1	---	---
	01U527		---	X1	---	---
K	01U047		---	X(A)2	---	X(A)2
	01U048		---	X(A)2	---	X(A)2
	01U052		---	X(A)2	---	X(A)2
	01U065		---	X(A)2	---	X(A)2
	01U128		---	X(A)2	---	X(A)2
	01U601		---	X(A)2	---	X(A)2
	01U602		---	X(A)2	---	X(A)2
	01U603		---	X(A)2	---	X(A)2
	01U604		---	X(A)2	---	X(A)2
	01U605		---	X(A)2	---	X(A)2
	01U607		---	X(A)2	---	X(A)2
	01U608		---	X(A)2	---	X(A)2
	01U609		---	X(A)2	---	X(A)2
	01U611		---	X(A)2	---	X(A)2
	01U612		---	X(A)2	---	X(A)2
	01U613		---	X(A)2	---	X(A)2
	01U615		---	X(A)2	---	X(A)2
	01U616		---	X(A)2	---	X(A)2
	01U617		---	X(A)2	X(A)2	X(A)2
	01U618		---	X(A)2	---	X(A)2
	01U619		---	X(A)2	---	X(A)2
	01U620		---	X(A)2	---	X(A)2
	01U621		---	X(A)2	X(A)2	X(A)2
	01U622		---	X(A)2	---	X(A)2
	01U623		---	X(A)2	---	X(A)2
	01U624		---	X(A)2	---	X(A)2
	01U625		---	X(A)2	---	X(A)2
	01U626		---	X(A)2	---	X(A)2
	01U627		---	X(A)2	---	X(A)2
	01U628		---	X(A)2	---	X(A)2

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
K (CONT.)	03U013		---	X(A)2	---	X(A)2
	03U075		---	X(A)2	---	X(A)2
	03U076		---	X(A)2	---	X(A)2
	03M013		---	X(A)2	---	X(A)2
	03L013		---	X(A)2	---	X(A)2
129-3	03U087		---	X3	---	---
	03U521		---	X1	---	---
129-5	01U072		---	X1	---	---
	03U097		---	X1	---	---
	03U111		---	X3	---	---
	03U129		---	X1	---	---
129-15	03U016		---	X3	---	---
	03U032		---	X3	X1	X3
	03U090		---	X3	---	---
	03U124		---	X1	X1	X1
	03L091		---	X1	---	---
SOUTHWEST BOUNDARY	01U050		Refer to Site J			
	01U051		Refer to Site J			
	01U053		Refer to Site J			
	01U062		---	X1	---	---
	01U803		---	---	---	---
	01U805		---	---	---	---
	01U806		---	---	---	---
	01U807		---	---	---	---
	03U001		X(A)2	X(A)2	X(A)2	X(A)2
	03U002		X(A)2	X(A)2	X(A)2	X(A)2
	03U003		X(A)2	X(A)2	X(A)2	X(A)2
	03U021		---	X(A)2	---	X(A)2
	03U077		---	X(A)2	---	X(A)2
	03U078		---	X(A)2	---	X(A)2
	03U079		---	X(A)2	---	X(A)2
	03U084		---	X(A)2	---	X(A)2

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
SOUTHWEST BOUNDARY (CONT.)	03U671		---	X(A)2	---	X(A)2
	03U672		X(A)2	X(A)2	X(A)2	X(A)2
	03U673		X(A)2	X(A)2	X(A)2	X(A)2
	03U701		---	X(A)2	---	X(A)2
	03U702		---	X(A)2	---	X(A)2
	03U703		---	X(A)2	---	X(A)2
	03U708		---	X(A)2	---	X(A)2
	03U709		---	X(A)2	---	X(A)2
	03U710		---	X(A)2	---	X(A)2
	03U711		X(A)2	X(A)2	X(A)2	X(A)2
	03U801		X(A)2	X(A)2	X(A)2	X(A)2
	03U803		---	---	---	---
	03U804		---	X(A)2	---	X(A)2
	03U805		---	X(A)2	---	X(A)2
	03U806		X(A)2	X(A)2	X(A)2	X(A)2
	234357	Phillips Pet.	Refer to Off-Post			
	03M001		X(A)2	X(A)2	X(A)2	X(A)2
	03M002		X(A)2	X(A)2	X(A)2	X(A)2
	03M003		X(A)2	X(A)2	X(A)2	X(A)2
	03M713		X(A)2	X(A)2	X(A)2	X(A)2
	03M802		X(A)2	X(A)2	X(A)2	X(A)2
	03M806		X(A)2	X(A)2	X(A)2	X(A)2
	03L001		X(A)2	X(A)2	X(A)2	X(A)2
	03L002		X(A)2	X(A)2	X(A)2	X(A)2
	03L003		X(A)2	X(A)2	X(A)2	X(A)2
	03L021		---	X(A)2	---	X(A)2
	03L077		---	X(A)2	---	X(A)2
	03L078		---	X(A)2	---	X(A)2
	03L079		---	X(A)2	---	X(A)2
	03L084		---	X(A)2	---	X(A)2
	03L673		X(A)2	X(A)2	X(A)2	X(A)2
	03L802		X(A)2	X(A)2	X(A)2	X(A)2
	03L806		X(A)2	X(A)2	X(A)2	X(A)2

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
SOUTHWEST BOUNDARY (CONT.)	03F302		X(A)2	X(A)2	X(A)2	X(A)2
	03F303		X(A)2	X(A)2	X(A)2	X(A)2
	03F304		X(A)2	X(A)2	X(A)2	X(A)2
	03F305		X(A)2	X(A)2	X(A)2	X(A)2
	03F306		X(A)2	X(A)2	X(A)2	X(A)2
	03F307		X(A)2	X(A)2	X(A)2	X(A)2
	03F308		X(A)2	X(A)2	X(A)2	X(A)2
	03F312		X(A)2	X(A)2	X(A)2	X(A)2
	04U001		X(A)2	X(A)2	X(A)2	X(A)2
	04U002		X(A)2	X(A)2	X(A)2	X(A)2
	04U003		X(A)2	X(A)2	X(A)2	X(A)2
	04U077		---	X(A)2	---	X(A)2
	04U673		X(A)2	X(A)2	X(A)2	X(A)2
	04U701		---	X(A)2	---	X(A)2
	04U702		---	X(A)2	---	X(A)2
	04U708		---	X(A)2	---	X(A)2
	04U709		---	X(A)2	---	X(A)2
	04U711		X(A)2	X(A)2	X(A)2	X(A)2
	04U713		X(A)2	X(A)2	X(A)2	X(A)2
	04U714		X(A)2	X(A)2	X(A)2	X(A)2
	04U802		X(A)2	X(A)2	X(A)2	X(A)2
	04U806		X(A)2	X(A)2	X(A)2	X(A)2
	234319	Hide & Tallow #1	Refer to Off-Post			
	04J077		---	X(A)2	---	X(A)2
	04J702		---	X(A)2	---	X(A)2
	04J708		---	X(A)2	---	X(A)2
	04J713		X(A)2	X(A)2	X(A)2	X(A)2
	04J714		X(A)2	X(A)2	X(A)2	X(A)2
	PJ#003		X(A)2	X(A)2	X(A)2	X(A)2
	PJ#309		X(A)2	X(A)2	X(A)2	X(A)2
	PJ#310		X(A)2	X(A)2	X(A)2	X(A)2
	PJ#311		X(A)2	X(A)2	X(A)2	X(A)2
	PJ#313		X(A)2	X(A)2	X(A)2	X(A)2
	PJ#802		X(A)2	X(A)2	X(A)2	X(A)2
	PJ#806		X(A)2	X(A)2	X(A)2	X(A)2

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
GRAVEL PIT	03U704		---	X(A)2	---	---
	03U705		---	X(A)2	---	---
	03U706		X(A)2	X(A)2	X(A)2	X(A)2
	03U707		---	X(A)2	---	X(A)2
	03L522		Not Accessible			
	03L523		---	X	---	---
	Staff Guage 1			X(A)2		X(A)2
	Staff Guage 2			X(A)2		X(A)2
	Staff Guage 3			X(A)2		X(A)2
BEDROCK VALLEY	03U005		---	X3	---	---
	03M005		---	X3	---	---
	03L005		---	X3	---	---
	03L081		---	X3	---	---
	03L137		---	X1	X1	X1
	03L138		---	X1	X1	X1
MISC. WELLS	01U012		---	X1	---	---
	01U044		---	X1	---	---
	01U130		---	X1	---	---
	01U131		---	---	---	---
	03U006		---	X3	---	---
	03U007		---	X3	---	---
	03U008		---	X3	---	---
	03U009		---	X3	---	---
	03U010		---	X3	---	---
	03U012		X(A)2	X(A)2	X(A)2	X(A)2
	03U031		---	X(A)2	---	X(A)2
	03M007		---	X3	---	---
	03M010		---	X3	---	---
	03M012		X(A)2	X(A)2	X(A)2	X(A)2

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
MISC. WELLS (CONT.)	03L007		---	X3	---	---
	03L010		---	X3	---	---
	03L012		X(A)2	X(A)2	X(A)2	X(A)2
	03L086		---	X1	---	---
	04U007		---	X3	---	---
	04U012		X(A)2	X(A)2	X(A)2	X(A)2
	04U510		---	X3	---	---
	PJ#501		---	---	---	---
	PJ#502		---	---	---	---
	PJ#503		---	---	---	---
	PJ#506		---	---	---	---
	PJ#507		---	---	---	---
	PJ#508		---	---	---	---
OFF-POST	01U803		---	---	---	---
	01U807		---	---	---	---
	01U813		---	---	---	---
	01U901		Refer to Site A			
	01U902		Refer to Site A			
	01L811		---	X1	---	---
	01L813		---	X1	---	---
	01L816		---	X	---	---
(Lacustrine) (Deposits)	01L821		---	X1	---	---
	01L822		---	X1	---	---
	01L823		---	X1	---	---
(Hillside) (Formation)	234353	Lentsch Ice	---	---	---	---
	234356	Nordquist P43	---	---	---	---
	234357	Phillips Pet.	---	---	---	---
	234425	Lee	Denied Access			
	234430	Cmiel	---	---	---	---
	234463		---	---	---	---

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
OFF-POST (CONT.)						
(Upper)	03U672		Refer to SW Boundary Area			
(Hillside)	03U673		Refer to SW Boundary Area			
(Formation)	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		---	X	---	---
	409550	PCA6U3	---	X3	---	---
	409595		---	X	---	---
	409596	BS118U3	---	X	---	---
	409598		---	X	---	---
(Middle)	03M802		Refer to SW Boundary Area			
(Hillside)	03M806		Refer to SW Boundary Area			
(Formation)	03M843		---	X	X	X
	03M848		---	X	X	X

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
OFF-POST	03L673		Refer to SW Boundary Area			
(CONT.)	03L802		Refer to SW Boundary Area			
	03L806		Refer to SW Boundary Area			
(Lower)	03L809		---	X3	---	---
(Hillside)	03L811		---	X1	---	---
(Formation)	03L813		---	X1	---	---
	03L822		---	X1	---	---
	03L832		---	X1	---	---
	03L841		---	X3	---	---
	03L846		---	X1	---	---
	03L848		---	X1	---	---
	03L853		---	X1	---	---
	03L854		---	X1	---	---
	03L856		---	X1	---	---
	03L858		---	X1	---	---
	03L859		---	X1	---	---
	03L860		---	X1	---	---
	03L861		---	X1	---	---
	409546	PCA2L3	---	X1	---	---
	409556	PCA4L3	---	X1	---	---
	409557	PCA1L3	---	X1	---	---
	409597	BS118L3	---	X1	---	---
(St.) (Peter) (Formation)	200814	Amer. Linen	---	---	---	
(Prairie)	04U673		Refer to SW Boundary Area			
(du Chien)	04U711		Refer to SW Boundary Area			
(Formation)	04U802		Refer to SW Boundary Area			
	04U806		Refer to SW Boundary Area			
	04U821		---	X1	X1	X1
	04U832		---	X1	---	---
	04U841		---	X1	---	---
	04U843		---	X1	---	---
	04U844		---	X1	---	---
	04U845		---	X1	---	---
	04U846		---	X1	---	---
	04U847		---	X3	X1	X3
	04U848		---	X1	---	---
	04U849		---	X1	---	---

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
OFF-POST (CONT.)	04U850		---	X	---	---
	04U851		---	X	---	---
	04U852		---	X	---	---
	04U854		---	X	---	---
	04U855		---	X	---	---
	04U859		---	X	---	---
	04U860		---	X	---	---
	04U861		---	X	---	---
	04U871		---	X	---	---
	04U872		---	X	---	---
	04U875		---	X	---	---
	04U877		---	X	---	---
	04U879		---	X	---	---
	04U880		---	X	---	---
	04U881		---	X	---	---
	04U882		---	X	---	---
	04U883		---	X	---	---
	139035	Watergate Marina	---	---	---	---
	191942	Model Stone	---	---	---	---
	200154	UM Golf Course	---	---	---	---
	200524	St. Anthony #5	Denied Access			
	200803	St. Anthony #4	Denied Access			
	200804	St. Anthony #3	Denied Access			
	200812	Gross Golf	---	Not Accessible		
	206787	MV High School	---	X(2)	---	---
	206791	New Brighton #7	---	X(2)	---	---
	206793	New Brighton #3	---	X(2)	---	---
	206797	New Brighton #6	---	X(2)	---	---
	233221	Reuben Meats	---	X(2)	---	---
	233533	Roselawn Cem.	---	---	---	---
	234319	Hide & Tallow #1	---	---	---	---
	234337		---	---	---	---
	234547	Hnywell Ridgway	---	X(2)	---	---
	236122	NWRU4	---	X(2)	---	---
	409547	PCA1U4	---	X	---	---
	409548	PCA2U4	---	X	---	---
	409549	PCA3U4	---	X	X	X
	409555	PCA5U4	---	X	---	---
	500691	04U414	---	X	---	---
	508115	04U322	---	X	---	---

FISCAL YEAR 1992 GROUNDWATER LEVEL MONITORING PLAN

Site	Well I.D.	Common Name	Frequency (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
OFF-POST (CONT.)						
(Prairie)	PJ#318		---	X	---	---
(du Chien)	PJ#802		Refer to SW Boundary Area			
(/Jordan)	PJ#806		Refer to SW Boundary Area			
(Formation)	200148	Paper Calmerson	Pump Decommissioned – No Access			
(Jordan) (Formation)	201082	NW Hospital	---	---	---	---
(Unknown)	134318	Seutter	---	---	---	---
(Formation)	200264		---	---	---	---
	206688	Cloverpond	Denied Access			
	233222	Lowry Gr. Trail.	---	---	---	---
	234335	Mengelkoch #1	---	---	---	---
	234546	Hnywell Ridgway	---	X(2)	---	---
	235539		---	---	---	---
	235735	Flour City Arch	---	---	---	---
	405651	Metal-Matic	---	X(2)	---	---
	BOYLE		---	---	---	---

NOTES:
(1) "X" denotes a water level measurement.
(2) Water level will be measured if the wellhead is accessible.
(A) Indicates that the sampling will be conducted by Alliant Technosystems, Inc.

pace
INCORPORATED
THE ASSURANCE OF QUALITY

April 1, 1992

Ms. Bridgette Manderfeld
Federal Cartridge Company
Twin Cities Army Ammunition Plant
New Brighton, MN 55112

RE: Quarter 34 Water Level Measurements and Ground Water Monitoring
PACE Project No. 920309.600

Dear Ms. Manderfeld:

The purpose of this letter is to summarize the quarter 34 sampling activities at the Federal Cartridge Company - Twin Cities Army Ammunition Plant, Mew Brighton, MN.

Water level measurements were taken at 185 of the 198 locations listed in the scope of work for contract no. DAAA09-86-Z-0013 dated February 4, 1992. Water level measurements were not obtained from 13 locations due to the following:

A. Access for measurements were not available for MNDOT, 234547, and 405651.
B. 01L816 and 236122 have been abandoned.
C. 01L823 and 03U824 were not located.
D. 233221, 206787, 206791, 206793 and 234546 were not in operation.
E. 03L523 was not accessible due to safety concerns.

Groundwater samples were collected from 130 of the 139 locations listed in the above mentioned scope of work. Groundwater samples were not collected from 9 locations due to the following:

A. 233221, 200812, 206787, 206791, 206793 and 234546 were not in operation.
B. 236122 has been abandoned.
C. 03U824 was not located.
D. 03L523 was not accessible due to safety concerns.

The following work was performed in addition to the scope of work dated February 4, 1992 per Mr. David Fuller (Federal Cartridge Company):

A. Monitoring well 01U104 was sampled for analytical categories 1, 2 and 9.
B. Analytical categories 2 and 9 were added to samples collected from monitoring wells 01U105 and 01U119.
C. Analytical category 1 was added to the sample collected from 01U902.

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Minneapolis, MN 55422
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An Equal Opportunity Employer

APPENDIX D

Appendix D

FY 1992 Groundwater Quality Monitoring Plan

Notes:

1	=	Monitoring for Category 1 parameters delegated to FCC. Other numbers represent other parameter categories.
1(A)	=	Monitoring delegated to Alliant Techsystems, Inc.
□	=	Monitoring not performed

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
A	01U038		---	---	---	---
	01U039		---	1,7	---	---
	01U040		---	---	---	---
	01U041		---	---	---	---
	01U063		---	---	---	---
	01U067		---	---	---	---
	01U102		---	1,7	1,7	1,7
	01U103		---	1,7	---	---
	01U104		---	---	---	---
	01U105(2)		---	1	---	---
	01U106(2)		---	1	---	---
	01U107(2)		---	---	---	---
	01U108(3)		1	1,7	1,7	1,7
	01U109		---	---	---	---
	01U110		---	---	---	---
	01U115		---	1,7	1,7	1,7
	01U116		---	1,7	---	---
	01U117		---	1,7	---	---
	01U118(2)		---	---	---	---
	01U119(2)		---	1	---	---
	01U120		---	1,7	---	---
	01U125		---	1,7	---	---
	01U126		---	1,7	---	---
	01U127		---	1,7	---	---
	01U133		---	---	---	---
	01U135		---	1,7	---	---
	01U136		---	1,7	---	---
	01U350(3)(4)		1,2	1,2,7	1,2,7	1,2,7
	01U901		---	1,7	---	---
	01U902(3)(4)		1	1,2,7	1,7	1,7
	134318		---	---	---	---
	MNDOT		---	---	---	---
	03U023		---	1,7	---	---
	03L529		---	---	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
B	01U011		---	---	---	---
	01U022		---	---	---	---
	01U033		---	---	---	---
	01U034		---	---	---	---
	01U035		---	---	---	---
	01U036		---	1	---	---
	01U037		---	---	---	---
	01U100		---	---	---	---
	01U101		---	---	---	---
	01U122		---	---	---	---
	03U011		---	---	---	---
	03U022		---	---	---	---
	03U082		---	1	---	---
C	01U043		---	---	---	---
	01U045(5)		---	4	---	---
	01U046		---	---	---	---
	01U085		---	1	---	---
	03U024		---	---	---	---
	03U025		---	---	---	---
	03U083		---	1,7	---	---
D	03U017		---	1(A)	---	---
	03U018		---	1(A)	---	---
	03U093		---	1(A)	1(A)	1(A)
	03U096		---	1(A)	---	---
	03U316		1(A)	1(A)	1(A)	1(A)
	03U317		1(A)	1(A)	1(A)	1(A)
	03U716		---	---	---	---
	03M017		---	1(A)	---	---
	03L017		---	1(A)	---	---
	03L018		---	1(A)	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
E	03U015		---	1	---	---
	03U088		---	1	---	---
	03U089		---	1	---	---
	03U704		Refer to Gravel Pit Area			
F	03U019		---	1,7	---	---
	03U026		---	1,7	---	---
	03U090		Refer to Site 129-15			
	03U092		---	1,7	1,7	1,7
	03U112		---	1,4,7	---	---
	03U113		---	1,7	---	---
	03U114		---	1,7	1,7	1,7
	03U121		---	1,4,7	---	---
	03L113		---	1,7	---	---
	03L137		Refer to Bedrock Valley			
G	03U014		---	1(A)	---	---
	03U020		---	1(A)	---	---
	03U094		---	1(A)	---	---
	03U314		1(A)	1(A)	1(A)	1(A)
	03U315		1(A)	1(A)	1(A)	1(A)
	03U715		---	---	---	---
	03M020		---	1(A)	---	---
	03L014		---	---	---	---
	03L020		---	---	---	---
	04U020		---	1(A)	---	---
	PJ#074		---	---	---	---
	PJ#508		Refer to Misc. Wells			

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
H	01U060		---	1,7	---	---
	01U098		---	1,7	---	---
	03U099		---	1,7	---	---
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		---	---	---	---
	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)	1(A)	1(A)
	03U528		---	---	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
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		---	---	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
J	01U003		---	---	---	---
	01U050		---	---	---	---
	01U051		---	---	---	---
	01U053		---	---	---	---
	01U054		---	---	---	---
	01U062		---	---	---	---
	01U524		---	---	---	---
	01U525		---	---	---	---
	01U526		---	1	---	---
	01U527		---	---	---	---
K	01U047		---	---	---	---
	01U048		---	---	---	---
	01U052		---	---	---	---
	01U065		---	---	---	---
	01U128		---	---	---	---
	01U601		---	---	---	---
	01U602		---	---	---	---
	01U603		---	---	---	---
	01U604		---	1(A)	---	---
	01U605		---	---	---	---
	01U607		---	---	---	---
	01U608		---	---	---	---
	01U609		---	---	---	---
	01U611		---	1(A)	---	---
	01U612		---	---	---	---
	01U613		---	---	---	---
	01U615		---	1(A)	---	---
	01U616		---	---	---	---
	01U617		---	1(A)	1(A)	1(A)
	01U618		---	1(A)	---	---
	01U619		---	1(A)	---	---
	01U620		---	---	---	---
	01U621		---	1(A)	1(A)	1(A)
	01U622		---	---	---	---
	01U623		---	---	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
K (CONT.)	01U624		---	---	---	---
	01U625		---	---	---	---
	01U626		---	---	---	---
	01U627		---	---	---	---
	01U628		---	---	---	---
	03U013		---	---	---	---
	03U075		---	1(A)	---	---
	03U076		---	---	---	---
	03M013		---	---	---	---
	03L013		---	---	---	---
129-3	03U087		---	1,4	---	---
	03U521		---	---	---	---
129-5	01U072		---	---	---	---
	03U097		---	1	---	---
	03U111		---	---	---	---
	03U129		---	---	---	---
129-15	03U016		---	1,7	---	---
	03U032		---	1,7	1,7	1,7
	03U090		---	1,7	---	---
	03U124		---	1,7	1,7	1,7
	03L091		---	1,7	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
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)	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)	1(A)
	03U673(6)		---	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)	1(A)
	03U801		---	1(A)	---	---
	03U803		---	---	---	---
	03U804		---	1(A)	---	---
	03U805		---	1(A)	---	---
	03U806(6)		---	1(A)	1(A)	1(A)
	234357	Phillips Pet.	Refer to Off-Post			

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
SOUTHWEST BOUNDARY (CONT.)	03M001		---	---	---	---
	03M002		---	---	---	---
	03M003		---	---	---	---
	03M713		---	---	---	---
	03M802		---	1(A)	---	---
	03M806		---	1(A)	---	---
	03L001		---	1(A)	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)	---	---
	03L802		---	1(A)	1(A)	1(A)
	03L806		---	1(A)	1(A)	1(A)
	03F302		1(A)	1(A)	1(A)	1(A)
	03F303		1(A)	1(A)	1(A)	1(A)
	03F304		1(A)	1(A)	1(A)	1(A)
	03F305		1(A)	1(A)	1(A)	1(A)
	03F306		1(A)	1(A)	1(A)	1(A)
	03F307		1(A)	1(A)	1(A)	1(A)
	03F308		1(A)	1(A)	1(A)	1(A)
	03F312		1(A)	1(A)	1(A)	1(A)

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
SOUTHWEST BOUNDARY (CONT.)	04U001		---	1(A)	1(A)	1(A)
	04U002		---	1(A)	---	---
	04U003		---	1(A)	1(A)	1(A)
	04U077		---	1(A)	---	---
	04U673(6)		---	1(A)	1(A)	1(A)
	04U701		---	1(A)	---	---
	04U702		---	1(A)	---	---
	04U708		---	1(A)	---	---
	04U709		---	1(A)	---	---
	04U711		---	1(A)	1(A)	1(A)
	04U713		---	1(A)	---	---
	04U714		---	1(A)	1(A)	1(A)
	04U802		---	1(A)	---	---
	04U806		---	1(A)	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)	1(A)
	PJ#003		---	---	---	---
	PJ#309		1(A)	1(A)	1(A)	1(A)
	PJ#310		1(A)	1(A)	1(A)	1(A)
	PJ#311		1(A)	1(A)	1(A)	1(A)
	PJ#313		1(A)	1(A)	1(A)	1(A)
	PJ#802		---	---	---	---
	PJ#806		---	1(A)	---	---
GRAVEL PIT	03U704		---	1(A)	---	---
	03U705		---	1(A)	1(A)	1(A)
	03U706		---	1(A)	---	---
	03U707		---	1(A)	---	---
	03L522		Not Accesible			
	03L523		---	1	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
BEDROCK VALLEY	03U005		---	1	---	---
	03M005		---	1	---	---
	03L005		---	1	---	---
	03L081		---	1	---	---
	03L137		---	1	---	---
	03L138		---	1	---	---
MISC. WELLS	01U012		---	---	---	---
	01U044		---	---	---	---
	01U130		Refer to SW Boundary Area			
	01U131		---	---	---	---
	03U006		---	---	---	---
	03U007		---	1	---	---
	03U008		---	---	---	---
	03U009		---	1	---	---
	03U010		---	---	---	---
	03U012		---	---	---	---
	03U031		---	1(A)	---	---
	03M007		---	---	---	---
	03M010		---	---	---	---
	03M012		---	---	---	---
	03L007		---	1	---	---
	03L010		---	---	---	---
	03L012		---	---	---	---
	03L086		---	---	---	---
	04U007		---	1	---	---
	04U012		---	---	---	---
	04U510		---	1	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
MISC. WELLS (CONT.)	PJ#501		---	---	---	---
	PJ#502		---	---	---	---
	PJ#503		---	---	---	---
	PJ#506		---	---	---	---
	PJ#507		---	---	---	---
	PJ#508		---	---	---	---
OFF-POST	01U803		---	---	---	---
	01U807		---	---	---	---
	01U813		---	---	---	---
	01U901		Refer to Site A			
	01U902		Refer to Site A			
	01L811		---	---	---	---
	01L813		---	---	---	---
	01L816		---	---	---	---
(Lacustrine)	01L821		---	---	---	---
(Deposits)	01L822		---	---	---	---
	01L823		---	---	---	---
(Hillside)	234353	Lentsch Ice	---	---	---	---
(Formation)	234356	Nordquist P43	---	---	---	---
	234357	Phillips Pet.	---	---	---	---
	234425	Lee	Denied Access		---	---
	234430	Cmiel	---	---	---	---
	234463		---	---	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
OFF–POST (CONT.)	03U672		Refer to SW Boundary Area			
	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	---	---
(Upper)	03U815		---	---	---	---
(Hillside)	03U821		---	1	---	---
(Formation)	03U822		---	1,7	---	---
	03U824		---	[1]	---	---
	03U831		---	1	---	---
	03U832		---	1	---	---
	409550	PCA6U3	---	1	---	---
	409595		---	---	---	---
	409596	BS118U3	---	1	---	---
	409598		---	1	---	---
	03M802		Refer to SW Boundary Area			
(Middle)	03M806		Refer to SW Boundary Area			
(Hillside)	03M843		---	1,7	1,7	1,7
(Formation)	03M848		---	1,7	1,7	1,7
(Lower)	03L673		Refer to SW Boundary Area			
(Hillside)	03L802		Refer to SW Boundary Area			
(Formation)	03L806		Refer to SW Boundary Area			
	03L809		---	1	---	---
	03L811		---	1	---	---
	03L813		---	---	---	---
	03L822		---	1	---	---
	03L832		---	1	---	---
	03L841		---	1	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
OFF–POST (CONT.)						
(Lower)	03L846		---	1	---	---
(Hillside)	03L848		---	1	---	---
(Formation)	03L853		---	1	---	---
	03L854		---	1	---	---
	03L856		---	1	---	---
	03L858		---	1	---	---
	03L859		---	1	---	---
	03L860		---	1	---	---
	03L861		---	1,7	---	---
	409546	PCA2L3	---	1,7	---	---
	409556	PCA4L3	---	1	---	---
	409557	PCA1L3	---	1	---	---
	409597	BS118L3	---	1	---	---
(St.) (Peter) (Formation)	200814	Amer. Linen	---	---	---	---
(Prairie)	04U673		Refer to SW Boundary Area			
(du Chien)	04U711		Refer to SW Boundary Area			
(Formation)	04U802		Refer to SW Boundary Area			
	04U806		Refer to SW Boundary Area			
	04U821		---	1	1	1
	04U832		---	1	---	---
	04U841		---	1	---	---
	04U843		---	1	---	---
	04U844		---	1	---	---
	04U845		---	1	---	---
	04U846		---	1	---	---
	04U847		---	1	1	1
	04U848		---	1	---	---
	04U849		---	1	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
OFF–POST (CONT.)	04U850		---	1	---	---
	04U851		---	1	---	---
	04U852		---	1	---	---
	04U854		---	---	---	---
	04U855		---	1	---	---
	04U859		---	1	---	---
	04U860		---	1	---	---
	04U861		---	1	---	---
	04U871		---	1,7	---	---
	04U872		---	1,7	---	---
	04U875		---	1,7	---	---
	04U877		---	1	---	---
	04U879		---	1,7	---	---
	04U880		---	1	---	---
	04U881		---	1,7	---	---
	04U882		---	1,7	---	---
	04U883		---	1,7	---	---
	139035	Watergate Marina	---	---	---	---
	191942	Model Stone	---	---	---	---
	200154	UM Golf Course	---	---	---	---
	200524	St. Anthony #5	Denied Access			
	200803	St. Anthony #4	Denied Access			
	200804	St. Anthony #3	Denied Access			
	200812	Gross Golf	---	[1,7]	1,7	1,7
	206787	MV High School	---	1,7	---	---
	206791	New Brighton #7	---	[1]	---	---
	206793	New Brighton #3	---	1	---	---
	206797	New Brighton #6	---	1	---	---
	233221	Reuben Meats	---	[1]	---	---
	233533	Roselawn Cem.	---	---	---	---
	234319	Hide & Tallow #1	---	---	---	---
	234337		---	---	---	---
	234547	Hnywell Ridgway	---	1	---	---
	236122	NWRU4	---	[1]	---	---
	409547	PCA1U4	---	1	---	---
	409548	PCA2U4	---	1,7	---	---
	409549	PCA3U4	---	1	1	1
	409555	PCA5U4	---	---	---	---
	500691	04U414	---	1	---	---
	508115	04U322	---	1	---	---

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92
OFF–POST (CONT.)						---
(Prairie)	PJ#318		---	1	---	
(du Chien)	PJ#802		Refer to SW Boundary Area			
(/Jordan)	PJ#806		Refer to SW Boundary Area			
(Formation)	200148	Paper Calmerson	Pump Decommissioned – No Access			
(Jordan) (Formation)	201082	NW Hospital	---	---	---	---
(Unknown)	134318	Seutter	---	---	---	---
(Formation)	200264		---	---	---	---
	206688	Cloverpond	Denied Access			
	233222	Lowry Gr. Trail.	---	---	---	---
	234335	Mengelkoch #1	---	---	---	---
	234546	Hnywell Ridgway	---	1	---	---
	235539		---	---	---	---
	235735	Flour City Arch	---	---	---	---
	405651	Metal–Matic	---	1	---	---
	BOYLE		---	---	---	---

NOTES:

(1) The numbers represent analytical parameter categories. The individual parameters within each category are outlined in Appendix E.

(2) Per an MPCA request, wells 01U105, 01U106, and 01U119 will be sampled in place of 01U107 and 01U118 for Quarter 34. Subsequent monitoring will revert back to 01U107 and 01U118 unless the analytical results dicate otherwise.

(3) Well being sampled monthly as part of Site A Interim Remedial Action.

(4) The following metals; Arsenic, Barium, Cadmium, Chromium, Lead and Nickel are being sampled for and not the entire Category 2 parameter list.

FISCAL YEAR 1992 GROUNDWATER QUALITY MONITORING PLAN

Site	Well I.D.	Common Name	Frequency and Parameters (1) Q33 12/91	Q34 3/92	Q35 6/92	Q36 9/92

(5) Just Total Phosphates from Category 4 will be analyzed.
(6) Per an MPCA request, wells 03U673, 03U806, and 04U673 will be sampled three times rather than once during FY 1992. Subsequent monitoring will revert back to annual monitoring unless the analytical results dictate otherwise.

(A) Indicates that the sampling will be conducted by Alliant Techsystems, Inc.

pace
INCORPORATED
THE ASSURANCE OF QUALITY

April 1, 1992

Ms. Bridgette Manderfeld
Federal Cartridge Company
Twin Cities Army Ammunition Plant
New Brighton, MN 55112

RE: Quarter 34 Water Level Measurements and Ground Water Monitoring
PACE Project No. 920309.600

Dear Ms. Manderfeld:

The purpose of this letter is to summarize the quarter 34 sampling activities at the Federal Cartridge Company - Twin Cities Army Ammunition Plant, Mew Brighton, MN.

Water level measurements were taken at 185 of the 198 locations listed in the scope of work for contract no. DAAA09-86-Z-0013 dated February 4, 1992. Water level measurements were not obtained from 13 locations due to the following:

A. Access for measurements were not available for MNDOT, 234547, and 405651.
B. 01L816 and 236122 have been abandoned.
C. 01L823 and 03U824 were not located.
D. 233221, 206787, 206791, 206793 and 234546 were not in operation.
E. 03L523 was not accessible due to safety concerns.

Groundwater samples were collected from 130 of the 139 locations listed in the above mentioned scope of work. Groundwater samples were not collected from 9 locations due to the following:

A. 233221, 200812, 206787, 206791, 206793 and 234546 were not in operation.
B. 236122 has been abandoned.
C. 03U824 was not located.
D. 03L523 was not accessible due to safety concerns.

The following work was performed in addition to the scope of work dated February 4, 1992 per Mr. David Fuller (Federal Cartridge Company):

A. Monitoring well 01U104 was sampled for analytical categories 1, 2 and 9.
B. Analytical categories 2 and 9 were added to samples collected from monitoring wells 01U105 and 01U119.
C. Analytical category 1 was added to the sample collected from 01U902.

1710 Douglas Drive North
Minneapolis, MN 55422
TEL: 612-544-5543
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Samples collected from monitoring wells 03L137 and 03L138 were inadvertently checked in for category 7 analysis in addition to the category 1 analysis required in the scope of work.

Field quality control samples were collected at a frequency of 1 in 10 based upon analytical categories. Listed below are the field quality control sample that were collected for quarter 34.

Analysis Type	Field Blanks (Quantity)	Field Duplicates (Quantity)
Category 1	14	14
Category 2	1	1
Category 4	1	1
Category 7	5	5
Category 9	1	1

If you have any questions please feel free to contact me.

Sincerely,

Robert R. Elliott

Robert R. Elliott
Manager, Field and Air Services

RRE151/tjt

cc: Scott Hallstrom - PACE

August 3, 1992

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
Department of the Army
New Brighton, Minnesota 55112

Attention: SMCTC-EV

Dear Sir:

Subject: Quarter 35 Monitoring

Sampling for the third quarter of FY92 (Quarter 35) was completed June 4, 1992.

Attached are copies of the sample verification sheets completed by Pace, Inc. All wells included in the Monitoring Plan were sampled or had water levels measured with the following exceptions.

Water Quality

206791 (New Brighton #7)	not in use

Water Levels

206787 (Mounds View High School)	no access for probe
206791 (New Brighton #7)	not in use
206793 (New Brighton #3)	no access for probe
234546 (Honeywell Ridgeway)	no access for probe
200812 (Gross Golf Course)	no access for probe

The following wells from the Quarter 34 sample list which were not in use in March were picked up during Quarter 35.

206787 Mounds View High School
234546 Honeywell Ridgeway
206793 New Brighton #3

A sample was not obtained from well 233221 because Reuben Meats has gone out of business.

Also attached are the groundwater level measurements, analytical results, chain of custody forms and field logs/notes. Please forward the attachments to the MPCA and EPA per the Federal Facility Agreement; they are due August 17.

The following wells which were included in the Monitoring Plan as part of the Site A monthly event were sampled June 16, 1992.

01U108	Category 1
01U350	Categories 1 and 2
01U902	Category 1

Laboratory analysis for this sampling event is also included. The water level at 01U350 was collected on June 16.

The laboratory data packages for Quarter 35 can be reviewed at Interpoll.

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

Attachments

cc: D. L. Terho, w/Attach.
Environmental Files, w/Attach. (Q35 Correspondence)

Summary of MPCA Data for FY 1992, (Cont.)
(* = Not included in Tables 2, 3, or 4)

Date	Sample #	Descriptions	Analysis	Validated? Yes/No
12-27-91	9127459*	Trip blank	VOCs	Yes
	9127460*	Hart-4441 Old Hwy 10	VOCs	Yes
3-3-92	92-3177*	Bldg. 116 effluent	Metals	Yes
	9203178*	Bldg. 103 influent	Metals	Yes
	9203179*	Bldg. 103 effluent	Metals	Yes
3-5-92	9203336	Old Dutch - 2375 Terminal Road	VOCs	Yes
	9203337	SAM 5	VOCs	Yes
	9203338	SAM 4	VOCs	Yes
	9203339*	Trip Blank	VOCs	Yes
3-9-92	9203721*	Trip Blank	VOCs	Yes
	9203722	01U102	VOCs	Yes
	9203723	01U117	VOCs	Yes
	9203724	01U126	VOCs	Yes
3-9-92	9203726	01U115	Metals	Yes
	9203727	01U102	Metals	Yes
	9203728	01U117	Metals	Yes
	9203729	01U126	Metals	Yes
	9203730	01U902	Metals	Yes
3-12-92	9203725	Gerebi - 234425 (old Lee well)	VOCs	Yes
3-13-92	9203797*	Trip blank	VOCs	Yes
	9203798	03U097	VOCs	Yes
	9203799	04U854	VOCs	Yes
3-17-92	9203910*	Trip blank	VOCs	Yes
	9203911	01U640	VOCs	Yes
	9203912	03U029	VOCs	Yes
4-27-92	9206144*	Trip blank	VOCs	Yes
	9206145*	Hart - 4441 old Hwy. 10	VOCs	Yes

Summary of MPCA Data for FY 1992, (Cont.)
(* = Not included in Tables 2, 3, or 4)

Date	Sample #	Descriptions	Analysis	Validated? Yes/No
5-11-92	9207230*	Trip blank	VOCs	Yes
	9207231*	Lange -4325 Old Hwy. 10	VOCs	Yes
	9207232*	Raddatz - 4337 Old Hwy. 10	VOCs	Yes
	9207233*	Roebke - 4355 Old Hwy. 10	VOCs	Yes
	9207234*	Ruppel - 4375 Old Hwy. 10	VOCs	Yes
	9207235*	Lindall - 4401 Old Hwy. 10	VOCs	Yes
	9207236*	G. Grudnoske - 4405 Old Hwy. 10	VOCs	Yes
	9207231*	Igbal - 4419 Old Hwy. 10	VOCs	Yes
	9207238*	Schilleman - 4463 Old Hwy. 10	VOCs	Yes
	9207239	H. Cmiel - 4535 Shoreview Pl.	VOCs	Yes
5-18-92	9207509	Lowery Grove (233222)	VOCs	Yes
	9207511*	Trip Blank	VOCs	
5-28-92	9208411*	Trip Blank	VOCs	Yes
	9208412	Gross Golf (200812)	VOCs	Yes
6-22-92	92133301	01U116	Cyanide & Metals	Yes
	92133302*	Field Blank	Cyanide & Metals	Yes
	92133303	01U115	Cyanide & Metals	Yes
	92133304	01U117	Cyanide & Metals	Yes
	92133305	01U067	Cyanide & Metals	Yes
	92133306	01U127	Cyanide & Metals	Yes
	92133307	01U133	Cyanide & Metals	Yes
	92133308	01U103	Cyanide & Metals	Yes
	92133309	01U106	Cyanide & Metals	Yes
6-30-92	9210562*	Trip Blank	VOCs	Yes
	9210563	Lowery Grove (233222)	VOCs	Yes
7-9-92	9211204*	Trip Blank	VOCs	Yes
	9211205	Lowery Grove (233222)	VOCs	Yes
8-20-92	9217159	Nordquist (234356)	VOCs	Yes
	9217160*	Trip Blank	VOCs	Yes
9-23-92	9220932*	Trip Blank	VOCs	Yes
	9220933	White (1206 12th Ave. NW)	VOCs	Yes

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

Groundwater Elevation Database

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW 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	09/01/88
03U001	891.20	852.02		849.70	849.31	849.70	849.42	849.72	849.46	848.82	846.24	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	845.06
03L001	891.37	852.69	849.42	849.70	849.32	849.71	849.41	849.67	849.52	848.87	846.42	844.86
04U001	891.28	852.04		849.58	849.21	849.58	849.28	849.55	849.38	848.73	846.28	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	847.51
03M002	922.40	855.29	852.50	850.67	850.35		850.35	850.66	850.94	850.43	849.46	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	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	847.73
03U003	945.00			852.82	852.47	852.56	852.42	852.26	853.42	852.77	852.34	849.44
03M003	945.55	856.93	854.24	852.75	849.50		852.40	852.35	853.31	852.68	852.15	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	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	846.45
PJ#003	946.47						849.20		849.60	849.05		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	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	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	850.92
03U005	973.07	860.51				857.22	857.04		857.39	857.00	855.85	853.42
03M005	974.52								857.46	857.05	856.30	853.43
03L005	974.08	860.44				857.31	857.13		857.48	857.08	855.40	853.43
03U006	969.09	862.36	858.91		858.12	858.64	858.29	858.94	858.84	858.50	857.42	854.94
03U007	902.63	863.23	859.27		859.40	859.88	859.62	860.13	859.68	859.33	856.95	855.07
03M007	903.77				859.33		859.57	860.06	859.61	859.27	856.92	855.03
03L007	904.41				859.00		859.25	859.70	859.20	858.92	856.52	854.86
04U007	905.50	862.38			858.70	859.24	858.90	859.29	858.77	858.60	856.30	854.66
03U008	917.36	867.30	862.85		863.66	864.14	864.04	864.61	863.57	862.93	858.46	857.76
03U009	915.25	868.42			865.59	865.97	865.90	866.36	864.90	864.43	859.08	859.50
03U010	891.00	868.57	869.24		865.55	865.87	865.85	866.27	864.95	864.48	859.15	859.48
03M010	891.46				865.51		865.81	866.23	864.91	864.46	859.11	859.49
03L010	891.76				865.60		865.86	866.27	864.91	864.45	859.11	859.51
03U011	902.99	865.74	861.67		862.89	863.14	863.30	863.56	862.78	862.35	858.28	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	854.29
03M012	882.73			859.67	859.53		859.78	860.15	859.26	858.78	854.65	854.28
03L012	882.63			859.61	859.48		859.75	860.00	859.21	858.73	854.61	854.25
04U012	882.78	862.12		859.56	859.42	859.77	859.67	860.00	859.15	858.67	854.56	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	847.90
03M013	892.40		852.00	852.65	852.33		852.52	852.78	852.34	851.81	848.95	847.80
03L013	892.60		851.88	852.48	852.15		852.33	851.83	852.15	851.65	848.76	847.65
03U014	990.27	860.25	856.99	856.67	856.55	856.62	856.77	856.83	857.01	855.46	855.72	853.05
03L014	991.57		856.93	856.86	856.72		857.00	857.03	857.12	857.96	855.44	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	852.68
03U016	950.05	862.13			858.95	859.02	859.20	859.35	859.19	858.90	857.14	854.70
03U017	941.31	857.76	854.64	854.22	853.95		854.27	854.27	854.44	853.95	852.71	850.14
03M017	941.93	857.61	854.64	854.22	853.93			854.24	854.41	853.92	852.67	850.13
03L017	942.07	857.62	854.63	854.20	853.83		854.24	866.42	854.42	853.91	852.67	850.12
03U018	991.62	859.96	856.66		856.48	856.54	856.67	856.77	856.90	856.53	855.34	852.67
03L018	991.49	859.68	856.54		856.36	856.42	856.52	856.67	856.77	856.38	855.10	852.57

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW 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	09/01/88
03U019	946.54	860.88			857.58	857.68	857.69	857.94	857.94	857.64	856.55	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	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	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	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	850.16
03U021	947.30	856.82				852.96	852.55		853.18			
03L021	946.74				852.43		852.27	852.49	852.79	852.23	851.34	849.03
03U022	901.88	862.98	858.98		860.19	860.43	860.54	860.76	860.24	859.88	856.56	855.26
03U023	901.51	862.88	858.81		860.04	860.35	860.35	860.62	859.91	859.49	856.71	854.96
03U024	896.99	861.71	857.80		858.94	859.17	859.25	859.49	859.02	858.67	855.67	854.29
03U025	889.07	860.01		857.31	857.16	858.43	857.43	857.62	857.22	856.84	853.91	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	851.12
03L027	969.42		855.31	854.74	854.59	854.68	854.59	854.80	855.10	854.60	853.70	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	849.76
PJ#027	970.05		854.07	853.47	853.30	853.35	853.30	853.16	853.66	853.15	852.00	849.71
03U028	959.76	858.02	855.08	854.26		854.18	854.06	854.29	854.66	854.18	853.37	850.61
03L028	958.93	857.98	855.03	854.18		854.11	854.03	854.29	854.58	854.09	853.23	850.55
03U029	957.27	857.60	854.07	853.73		853.58	852.50	852.70	854.22	853.69	853.10	849.79
03L029	956.95	857.58				853.34	853.35	853.67	853.82	853.35	852.60	849.86
03U030	961.42	859.08		855.44		855.40	855.34	855.52	855.78	855.38	854.38	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	850.56
03U032	1006.57	860.93	857.50		857.79	857.85	858.00	858.21	858.09	857.77	856.13	853.70
03U075	887.03	854.77	851.49	852.01			852.01	852.08	851.72	851.20	848.56	847.38
03U076	891.41	853.46	850.18	850.68			850.64	850.77	850.37	849.79	847.19	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	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	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	846.37
04J077	914.60						-0.18					
03U078	929.85	856.69	853.71	850.15	849.63	849.77	849.74	850.30	851.21	850.22	850.38	847.45
03L078	930.18	855.78	852.85	850.47	850.18	850.33	850.12	850.61	850.80	850.26	849.52	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	847.16
03L079	926.29	856.34	853.39	850.53	851.22	850.49	850.29	850.64	850.95	850.39	849.73	847.22
03L080	963.45		856.03			855.49	854.65	855.65	855.90	855.44	854.45	851.82
03L081	948.96						857.31	857.62	857.59	857.25	855.87	853.46
03U082	901.00	864.95	860.95		862.13	862.39	862.52	862.75	862.07	861.70	857.88	856.85
03U083	893.90	860.04			857.08	857.29	857.35	857.45	857.19	856.90	854.42	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	846.18
03L084	900.58								850.56	849.98	848.26	846.39
03U087	1006.79	860.83	857.35		857.83	857.93	858.11	858.29	858.14	857.79	855.94	871.63
03U088	986.36						858.47	858.61	858.44	858.11	856.06	853.86
03U089	975.30	860.93			858.13	858.24	858.44	859.13	858.40	858.08	856.05	853.85
03U090	984.92						857.38	857.56	857.57	857.24		853.37
03U092	963.30						856.75		856.98	856.70	855.76	853.03
03U093	996.01	859.66			856.50	856.56	856.65	856.82	856.87	856.50	855.28	852.71
03U094	999.64		857.13				857.00	857.06	857.22	856.89	855.89	853.24
03U096	997.02	859.77			856.44	856.48	856.60	856.72	856.08	856.39	854.93	852.48

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW 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	09/01/88
03U111	927.69	864.11			861.53	861.71	862.03	862.19	861.71	861.50	858.86	856.70
03U112	980.80	860.95	857.61		857.55	857.63	857.75	857.89	857.93	857.63	856.49	853.80
03U113	976.83	860.97					858.09		858.22	857.93		853.98
03L113	977.15								858.11	857.80		853.83
03U301(SC1)	957.41								854.17	889.76	853.16	849.79
03F302(B1)	929.86	867.70	853.59		850.52	844.70	844.38	844.53	844.73	844.20	843.61	840.01
03F303(B2)	925.04	859.80	853.46		829.72	829.74	830.74		831.18	829.58	836.29	847.59
03F304(B3)	920.09	859.06	852.32		848.45	849.76	848.56	848.78	849.01	848.44	847.63	847.59
03F305(B4)	915.75	850.14	852.06		844.50	844.82	844.75	844.88	844.75		848.80	847.33
03F306(B5)	919.13								841.87	841.08	839.25	848.45
03F307(B6)	913.46	839.95	848.55		821.56	821.91	821.11	821.29	822.23	821.04	822.43	
03F308(B7)	900.79											
PJ#309(B8)	914.35											
PJ#310(B9)	915.80											
PJ#311(B10)	905.97											
03F312(B11)	944.24											
PJ#313(B12)	895.63											
03U314(SC2)	978.02											
03U315(SC3)	965.27											
03U316(SC4)	957.13											
03U317(SC5)	952.62											
04U510	911.19								864.18	863.71		858.89
OW543U3	958.99								854.78	854.31	853.55	850.69
03U647	962.25		855.63				854.90		855.40	854.99	854.10	851.39
03U648	963.14		855.84				854.29	855.29	855.60	855.20	854.31	851.59
03U658	966.24		856.32				855.77	855.96	856.13	855.79	854.76	852.18
03U659	958.62		855.00				853.85	854.02	854.64	854.16	853.54	850.52
03U671	933.13	856.69	853.65		851.48	851.56	851.55	851.82	852.60	851.72	851.41	848.37
03U674	957.21						852.63		854.16	853.46	853.16	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	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	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	845.08
04U702	910.44	853.74	850.52	848.99	849.15	849.38	849.14	849.63	849.49	848.83	847.09	845.66
04J702	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	847.40
03U704	978.47	861.56	857.79		859.09	859.19	859.45	859.65	859.33	859.02	856.61	854.59
03U705	1049.55	861.71	857.95		859.32	859.43	859.65	859.92	859.60	859.27	856.85	854.75
03U706	920.63	861.84	858.11		859.23	859.40	859.57	859.78	859.37	859.08	856.28	854.61
03U707	918.28	862.30	858.42		859.63	859.84	860.00	860.19	859.78	859.41	856.43	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	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	847.36
04J708	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	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	847.20
03U710	946.76	856.79		851.26	851.41	851.51	851.31	851.74	852.44	851.69	851.54	848.46
03U711	908.81		851.74		849.81	849.76	849.51	850.07	850.14	849.60	848.88	846.83

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW 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	09/01/88
04U711	908.73		850.68	849.01	849.00	849.01	848.78	849.75	849.20	848.64	847.38	843.18
03M713	898.41											
04U713	897.73											
04J713	898.38											
04U714	893.89											
04J714	894.19											
03U715	963.59											
03U716	952.10											
S.G. #1	860.42			862.72			862.96		862.51	862.64	860.42	
S.G. #2	862.84			DRY			863.08		DRY	862.94	DRY	
S.G. #3	865.29			DRY			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	843.03
03U672 (PD2U3)	923.72	857.40	854.74	853.62		853.47	853.62	853.14	854.05	853.55	852.95	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	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	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	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	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	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	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	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	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	846.54
03U804 (T4U3)	913.02	855.16	851.87		849.98	849.77	849.54	850.66	850.15	849.66	848.87	847.18
03U805 (T5U3)	908.23	853.31	850.18	848.60	848.66		848.23	849.32	848.62	848.11		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	845.10
03M806 (T6M3)	911.87	853.02	849.84	848.42	848.80	848.33	848.08	849.25	848.44	847.89	846.32	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	845.22
04U806 (T6U4)	912.12	852.64	849.42	848.32	848.62	848.26	848.00	848.89	848.29	847.74	846.09	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	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	845.84
03L841 (301L3)	911.91											
03U841 (301U4)	913.77											
04U847 (307U4)	916.10											
PJ#074	956.46						854.08	839.57	854.40	853.90	852.59	849.35
03U026	977.84				857.12	857.20	857.32	857.45	857.53	857.20	854.09	853.45

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW 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
03U001	891.20	844.92	845.46	846.41	846.55	844.09		841.44	841.39	841.43	841.67	841.34
03M001	890.76	844.99	845.54	846.51	846.62	844.03		841.28	841.26	841.26	841.53	841.27
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
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
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
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
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
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
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
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
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
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
PJ#003	946.47	845.42	845.67	846.59	846.25	844.12		841.89	841.51	840.66	841.49	841.18
03U004	953.00	853.09	852.83	853.10	853.40	852.15		849.94	849.57	849.38	849.32	
03M004	952.55	851.68	851.51	851.82	852.12	850.71		848.41	848.11	847.93	847.83	
03L004	952.02	850.62	850.47	850.81	851.07	849.66		847.37	847.12	846.90	846.81	
03U005	973.07	853.03	853.14	852.76	853.22	852.49		850.65	850.04	849.94	849.77	
03M005	974.52	853.08	853.61	852.78	853.27	853.04		851.13	850.56	850.47	850.31	
03L005	974.08	853.08	852.73	852.83	853.33	852.08		850.21	849.63	849.54	849.38	
03U006	969.09	854.29	854.58	854.41	854.74	853.99		851.75	851.46	851.27	851.20	
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
03M007	903.77	854.74	855.14	855.62	855.90	855.37		852.73	852.82	852.72	852.39	852.27
03L007	904.41	854.41	854.79	855.39	855.61	855.02		852.38	852.47	852.36	852.01	851.83
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
03U008	917.36	858.11	858.95	859.91	860.20	860.90		857.57	858.31	858.31	857.91	
03U009	915.25	859.90	860.83	861.86	861.94	862.78		859.22	860.14	860.25	859.90	
03U010	891.00	859.95	860.88	861.75	861.84	862.95		859.34	860.32	860.45	860.06	
03M010	891.46	859.96	860.90	861.74	861.85	862.92		859.33	860.30	860.46		
03L010	891.76	859.96	860.91	861.75	861.84	862.96		859.31	860.30	860.45		
03U011	902.99	857.71	858.27	858.79	859.09	860.78		857.29	858.04	858.15	857.72	
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
03M012	882.73	854.55	855.23	855.77	856.18	856.48		853.11	853.83	854.03	853.62	853.59
03L012	882.63	854.50	855.19	855.64	856.15	856.42		853.07	853.82	853.98	853.60	853.54
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
03U013	893.02	847.87	848.34	848.97	849.57	847.97		845.19	845.42	845.63	845.44	
03M013	892.40	847.79	848.27	848.90	849.50	847.90		845.12	845.40	845.58	845.40	
03L013	892.60	847.61	848.10	848.76	849.38	847.75		844.93	845.20	845.45	845.24	
03U014	990.27	852.72	852.44	852.68	852.77	852.00		849.72	849.44	849.25	849.15	848.99
03L014	991.57	852.77	852.61	852.88	852.96	852.27		849.93	849.77	849.57	849.50	
03U015	937.68	852.45	852.53	852.83	853.02	852.73		850.13	850.11	850.03	849.99	
03U016	950.05	854.64	854.57	854.78	854.97	855.35		852.75	852.67	864.70	852.59	
03U017	941.31	850.12	849.93	850.64	850.93	849.06		846.98	846.36	846.21	846.36	
03M017	941.93	850.11	849.93	850.62	850.93	849.03		846.97	846.32	846.23	846.33	
03L017	942.07	850.09	849.92	850.62	850.88	849.07		846.94	846.14	846.22	846.32	
03U018	991.62	852.53	852.35	852.60	852.82	851.98		849.72	849.25	849.24	849.19	
03L018	991.49	852.39	852.21	852.52	852.74	851.82		849.55	849.09	849.07	849.04	

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW 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
03U019	946.54	853.62	853.41	853.54	853.83	853.44		851.09	850.87	850.73	850.63	
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
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
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
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
03U021	947.30				849.69	847.25		845.20	844.55	844.50	844.51	
03L021	946.74	848.84	848.37	849.63	849.41	846.79		844.84	844.19	844.12	844.14	
03U022	901.88	855.34	855.72	855.97	856.23	857.43		854.24	854.78	854.86	854.53	
03U023	901.51	855.12	855.67	856.06	856.28	857.13		853.87	854.51	854.63	854.25	
03U024	896.99	854.31	854.61	854.77	855.04	855.84		852.77	853.17	853.29	852.99	
03U025	889.07	852.51	852.90	853.24	853.72	853.55		850.61	850.96	851.07	850.81	
03U027	968.80	850.90	850.60	851.25	851.50	849.71		846.53	847.17	846.87	846.97	
03L027	969.42	850.80	850.51	851.17	851.43	849.61		847.40	847.07	846.84	846.85	
04U027	969.49	849.44	849.31	850.14	850.39	848.19		845.81	845.63	845.44	845.44	
PJ#027	970.05	849.38	849.28	850.10	850.34	848.18		845.76	845.57	845.40	845.46	
03U028	959.76	850.39	850.12	850.58	850.86	848.92		846.87	846.52	846.35	846.23	
03L028	958.93	850.31	850.08	850.55	850.82	848.86		846.78	846.43	846.31	846.18	
03U029	957.27	849.95	848.62	850.07	850.42	847.13		845.73	844.84	844.73	845.52	
03L029	956.95	849.70	849.40	850.05	850.10	847.68		845.60	845.45		845.15	
03U030	961.42	851.52	851.32	851.47	851.85	850.47		848.33	848.02	847.85	847.71	
03U031	900.94	850.49	850.66	850.79	851.34	850.14		847.69	847.65	847.54	847.54	
03U032	1006.57	853.59	853.46	853.65	853.82	853.90		851.36	851.35	851.22	851.09	
03U075	887.03	847.16	847.67	848.47	848.54	846.98		844.28	844.43	844.72	844.52	
03U076	891.41	845.79	846.36	847.27	847.30	845.41		842.74	842.86	843.16	842.98	
03U077	914.94	846.02	846.09	847.44	847.31	842.31		841.74	841.86	841.12	841.28	
03L077	914.88	846.08	845.48	847.45	847.24	843.73		840.16	839.53	839.51	839.66	
04U077	914.57	845.28	845.69	847.59				840.36	839.57	839.51	839.67	
04J077	914.60	847.15		847.59	847.22	840.02		837.71	836.53	836.50	837.10	
03U078	929.85	846.83	846.45	849.19	847.95	844.45		842.91	842.20	841.80	841.24	
03L078	930.18	847.80	846.93	848.83	847.88	844.55		842.68	842.16	841.83	841.70	
03U079	925.99	847.36	845.89	849.25	847.04	843.64		841.94	842.61	840.87	840.78	
03L079	926.29	848.04	846.67	849.14	847.34	844.34		842.48	843.01	841.69	841.69	
03L080	963.45	851.58	851.33	851.83	852.09	850.61		848.36	848.06	847.90	847.84	
03L081	948.96	853.16	853.10	853.34	853.65	852.96		850.61	850.41	850.26	850.17	
03U082	901.00	857.08	857.57	857.95	858.15	859.90		856.53	857.18	857.29	856.92	
03U083	893.90	852.50	852.74	852.90	853.50	853.15		850.35	850.53	850.60	850.36	
03U084	900.98	846.10	846.27	847.38	847.37	843.98		841.93	841.47	841.48	841.62	
03L084	900.58	846.30	846.47	847.56		844.03		842.05	841.58	841.58	841.72	
03U087	1006.79	853.53	853.44	853.60	853.79	854.11		851.49	851.58	851.48	851.34	
03U088	986.36	853.77	853.75	853.86	854.06	854.60		851.88	852.01	851.91	851.76	
03U089	975.30	853.75	853.75	853.86	854.10	854.55		851.85	851.97	851.90	851.73	
03U090	984.92	853.13	852.97	853.15	853.30	853.07		850.66	850.47	850.39	850.25	
03U092	963.30	852.74	852.45	852.70	852.93	852.08		849.76	849.28	849.28	849.20	
03U093	996.01	852.49	852.26	852.56	852.79	852.01		849.31	849.27	849.26	849.21	849.16
03U094	999.64	852.92	852.65	852.84	852.94	852.34		850.07	849.76	849.60	849.40	
03U096	997.02	852.37	852.21	852.54	852.81	852.06		849.79	849.35	849.34	849.32	

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW 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
03U111	927.69	856.94	857.12	857.43	857.74	859.62		856.58	856.75	856.99	856.90	
03U112	980.80	853.55	853.40	853.50	853.66	853.45		851.10	850.91	850.79	850.65	
03U113	976.83	853.77	853.65	853.76	853.93	853.93		851.48	851.38	851.23	851.14	
03L113	977.15	853.65			853.85	853.85		851.36	851.30	851.15	851.06	
03U301(SC1)	957.41	849.91	833.28	850.09	850.36	830.51		831.41	827.06	831.01	845.46	829.41
03F302(B1)	929.86	847.71	840.66	849.16	839.81	848.62	837.86	837.06		855.26	836.66	835.86
03F303(B2)	925.04	847.14	827.95	848.94	828.25	827.49	829.54	828.34	830.44	828.64	821.24	820.94
03F304(B3)	920.09	847.41	846.62	848.40	847.65	842.59	840.99	840.49	840.09	839.89	840.09	839.59
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
03F306(B5)	919.13	838.18					834.43	833.03	832.43	832.73	832.73	832.23
03F307(B6)	913.46	820.02				828.59	827.16	826.76	826.36	826.36	825.76	826.26
03F308(B7)	900.79			846.07	845.92	834.87	833.19	832.79	832.49	832.29	831.69	830.29
PJ#309(B8)	914.35			848.10	847.55	840.05	839.35	834.95	807.55	838.25	838.95	838.85
PJ#310(B9)	915.80			847.69	847.30	838.10	835.30	835.30	833.90	833.90	835.10	835.20
PJ#311(B10)	905.97					839.26	838.77	838.87	844.27	837.37	838.07	836.87
03F312(B11)	944.24			851.05	850.40	837.50	834.74	834.54	828.14	838.04	838.84	838.24
PJ#313(B12)	895.63			835.55	846.83	839.68	837.93	836.93	836.63		837.83	837.63
03U314(SC2)	978.02			852.19		842.54	841.52	842.32	841.32	839.92	843.42	846.02
03U315(SC3)	965.27			852.29	852.47	845.18	844.67	842.77	842.47	842.87	842.37	841.17
03U316(SC4)	957.13			851.64	851.81	835.26	836.13	836.63	826.23	830.03	833.73	831.73
03U317(SC5)	952.62			851.54	851.76	845.58	844.62	843.72	843.62	843.42	851.92	843.12
04U510	911.19	859.39	859.95	860.97	861.08	862.05		858.48	859.32	859.39	859.11	
OW543U3	958.99	850.58	850.16	850.49	850.88	849.09		847.02	846.65	846.48	846.38	
03U647	962.25	851.14	850.89	851.04	851.45	849.78		847.85	847.50	847.36	847.23	
03U648	963.14	851.34	851.10	851.30	851.69	850.19		848.07	847.73	847.59	847.44	
03U658	966.24	851.92	851.68	852.04	852.32	851.02		848.76	848.48	848.24	848.18	
03U659	958.62	850.51	849.89	850.42	850.78	848.57		846.65	846.20	846.00	846.05	
03U671	933.13	848.04	847.81	849.08	849.16	846.18		844.40	843.19	843.33	843.28	
03U674	957.21	849.97	848.85	850.04	850.35	847.31		845.47	844.99	844.86	845.40	
03U701	911.10	845.40	845.49	846.56	846.83	843.40		841.18	840.75	840.99	841.01	
04U701	911.24	845.21	845.55	846.90	846.99	842.92		839.80	839.00	839.27	839.43	
03U702	910.53	845.04	845.09	846.16	846.43	843.03		840.75	839.89	840.63	840.66	
04U702	910.44	845.32	845.54	846.83	847.04	842.77		840.49	840.24	840.09	840.14	
04J702	910.51			846.86	847.04	842.41		840.16	839.36	839.61	839.74	
03U703	921.25	847.00	845.81	849.18	847.08	843.71		842.13	842.05	841.15	840.68	
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
03U705	1049.55	854.75	854.74					853.41	853.72	853.60	853.46	
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
03U707	918.28	854.88	855.17	855.30	855.58	856.81		853.73	854.18	854.24	854.03	
03U708	921.97	847.52	847.39	848.90	848.82	845.62		843.87	842.86	842.67	842.70	
04U708	921.66	847.10	846.54	848.11	847.55	844.45		842.08	841.35	841.16	841.36	
04J708	922.04			847.35	847.40	843.74		841.64	840.86	840.68	840.83	
03U709	912.63	846.36	846.56	848.13	848.03	844.53		842.63	841.79	841.68	841.86	
04U709	912.52	846.86	846.26	848.07	847.57	844.08		841.04	841.36	840.22	840.37	
03U710	946.76	848.25	847.82	849.38	848.91	845.57		843.80	843.47	842.88	842.86	
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

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW 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
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
03M713	898.41			846.41	846.40	842.11	840.21	840.06	839.56	839.61	839.81	839.59
04U713	897.73			848.34	848.35	844.08	842.45	842.55	841.82	841.83	841.99	841.81
04J713	898.38			847.03	846.95	842.08	840.22	840.04	839.30	839.38	839.67	839.41
04U714	893.89			846.50	846.68	843.13	840.99	840.80	840.54	840.59	840.83	840.54
04J714	894.19			846.63	846.68	843.19	840.86	840.68	840.40	840.48	840.71	840.47
03U715	963.59			852.16	852.36	850.99	850.07	848.76	848.24	848.19	848.20	848.06
03U716	952.10			851.55	839.30	849.75	848.56	847.69	847.00	846.95	847.05	846.89
S.G. #1	860.42	DRY	DRY	DRY	DRY	866.05		863.68			864.62	
S.G. #2	862.84	DRY	DRY	DRY	DRY			862.89			864.74	
S.G. #3	865.29	DRY	DRY	DRY	DRY			DRY			DRY	
OFF TCAAP												
MPCA6	914.40	842.78	843.11		844.14	841.30		839.10	838.65	838.95	839.01	
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
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
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
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
03U801 (T1U3)	914.82	846.68	846.89	848.25	847.22	844.13		842.20	842.07	841.81	841.50	841.21
03M802 (T2M3)	907.38	847.38	847.11	848.68	847.63	843.93		842.73	842.68	842.28	841.88	841.50
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
04U802 (T2U4)	905.95	845.81	846.00	846.65	846.61	844.07		841.93	841.65	841.65	841.65	841.25
PJ#802 (T2PJ)	905.07	845.62	845.78	846.42	846.42	843.97		841.95	841.49	841.52	841.57	841.13
03U803 (T3U3)	900.89	845.94	845.99	846.43	846.54	843.89		841.65	841.19	841.29	841.03	
03U804 (T4U3)	913.02	846.48	846.88	847.92	847.57	843.87		841.90	841.36	841.39	841.27	
03U805 (T5U3)	908.23	844.73	845.26	846.37	846.21	842.48		840.32	839.82	840.01	840.03	
03U806 (T6U3)	911.96	844.70	844.90	845.96	846.26	842.71		840.48	840.02	840.28	840.35	839.93
03M806 (T6M3)	911.87	844.43	845.01	846.21	846.07	842.16		839.91	839.41	839.66	839.72	839.31
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
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
PJ#806 (T6PJ)	911.03	844.29	844.71	845.87	845.88	841.95		839.74	839.16	839.43	839.52	839.13
03L809 (T9L3)	914.32	845.29	845.79	846.57	846.57	843.56		841.17	840.92	841.17	841.22	
03L841 (301L3)	911.91										837.39	
03U841 (301U4)	913.77										838.79	
04U847 (307U4)	916.10										838.20	
PJ#074	956.46	850.04	849.13	850.65	850.76	848.99		845.96	846.28	846.24		
03U026	977.84	853.18	852.98	853.14	853.29	852.89		850.54	850.34	850.24		

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW TOC ELEVATION	02/28/91	06/03/91	09/03/91	09/27/91	12/06/91	03/24/92	06/01/92	09/01/92	10/08/92
03U001	891.20	842.28	842.00	841.05	841.70	843.01	843.51	843.25	842.79	843.62
03M001	890.76	842.11	841.81	840.89	841.54	842.83	843.31	843.14	842.66	843.48
03L001	891.37	841.90	841.64	840.71	841.30	842.60	843.12	842.90	842.45	843.26
04U001	891.28	841.78	841.55	840.58	841.20	842.50	842.99	842.79	842.33	843.14
03U002	919.89	843.09	842.89	842.36	842.59	843.84	844.49	844.97	844.54	844.82
03M002	922.40	842.36	842.20	841.75	841.95	843.18	843.84	844.25	843.80	844.18
03L002	922.21	842.26	842.10	841.49	841.85	843.10	843.75	844.15	843.70	844.09
04U002	923.18	841.64	841.44	840.90	841.18	842.46	843.08	843.43	843.00	843.42
03U003	945.00	844.48	844.20	843.75	843.89	845.14	845.66	846.50	846.26	846.52
03M003	945.55	844.27	844.02	843.55	843.70	844.96	845.51	846.37	846.14	846.41
03L003	946.83	844.04	843.78	843.32	843.49	844.70	845.23	846.01	845.73	846.07
04U003	946.07	842.37	842.16	841.62	841.85	843.11	843.64	844.10	843.81	844.33
PJ#003	946.47	841.91	841.66	841.06	841.37	842.63	843.20	843.45	843.16	843.70
03U004	953.00	849.80			849.35		851.30			851.97
03M004	952.55	848.34			847.87		849.82			850.48
03L004	952.02	847.32			846.83		848.81			849.47
03U005	973.07	850.30			849.85		851.27			852.72
03M005	974.52	850.38			849.83		851.84			852.74
03L005	974.08	850.41			849.86		851.90			852.78
03U006	969.09	851.78			850.94		853.28			854.20
03U007	902.63	853.43	853.10	852.51	852.88	854.61	855.23	855.28	854.88	855.64
03M007	903.77	853.35	853.03	852.42	852.78	854.52	855.14	855.21	854.81	855.57
03L007	904.41	853.07	852.69	852.14	852.31	854.18	854.71	854.70	854.31	855.12
04U007	905.50	852.68	852.37	851.88	851.85	853.74	854.12	854.25	853.83	854.66
03U008	917.36	859.51			859.45		861.49			861.10
03U009	915.25	870.37			861.88		863.62			863.16
03U010	891.00	861.48			862.08		863.84			863.21
03M010	891.46				862.08		863.68			863.18
03L010	891.76				862.18		863.74			863.18
03U011	902.99	859.06			859.27		861.19			860.61
03U012	882.83	854.87	855.15	853.83	854.93	856.21	856.84	856.21	855.25	856.26
03M012	882.73	854.87	855.13	853.83	854.92	856.20	856.83	856.19	855.24	856.24
03L012	882.63	854.80	855.08	853.78	854.86	856.16	856.81	856.18	855.18	856.19
04U012	882.78	854.73	855.00	853.68	854.76	856.06	856.68	856.06	855.09	856.09
03U013	893.02	846.20			845.86		847.83			847.69
03M013	892.40	846.20			845.85		847.84			847.66
03L013	892.60	846.06			845.67		847.65			847.51
03U014	990.27	849.79	849.78	849.30	849.48	850.59	851.57	852.19	851.33	851.96
03L014	991.57	850.22	850.15	849.58	849.84	851.05	851.92	852.47	851.90	852.30
03U015	937.68	850.82			850.62		852.64			852.70
03U016	950.05	853.48			853.35		855.40			855.43
03U017	941.31	847.01			846.64		848.51			848.89
03M017	941.93	846.97			846.62		848.48			848.87
03L017	942.07	846.97			846.64		848.51			848.84
03U018	991.62	849.90			849.62		852.26			851.95
03L018	991.49	849.76			849.44		851.47			851.78

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW TOC ELEVATION	02/28/91	06/03/91	09/03/91	09/27/91	12/06/91	03/24/92	06/01/92	09/01/92	10/08/92
03U019	946.54	851.34			851.09		853.10			853.44
03U020	955.70	847.18	847.11	846.63	846.83	848.01	848.80	849.36	848.84	849.11
03M020	957.03	847.09	847.06	846.52	846.73	847.93	848.68	849.28	848.73	849.05
03L020	956.73	847.10	847.03	846.53	846.73	847.93	848.71	849.26	848.74	849.05
04U020	957.86	846.80	846.82	846.25	846.56	847.82	848.50	848.97	848.36	848.76
03U021	947.30	844.98			844.76		846.45			846.80
03L021	946.74	844.60			843.99		846.09			846.46
03U022	901.88	855.73			855.81		857.75			857.35
03U023	901.51	855.50			855.58		857.53			857.05
03U024	896.99	854.06			854.09		856.04			855.74
03U025	889.07	851.83			851.76		853.71			853.47
03U027	968.80	847.52			847.12		849.08			849.47
03L027	969.42	847.37			846.97		848.98			849.36
04U027	969.49	845.96			845.61		847.55			847.87
PJ#027	970.05	845.95			845.58		847.55			847.87
03U028	959.76	846.72			846.31		848.28			848.72
03L028	958.93	846.67			846.26		848.23			848.68
03U029	957.27	844.93			844.47		846.27			846.87
03L029	956.95	845.59			845.11		847.03			847.61
03U030	961.42	848.26			847.88		849.85			850.36
03U031	900.94	848.30			848.00		850.04			850.05
03U032	1006.57	851.97			851.73		853.81			853.93
03U075	887.03	845.25			844.87		846.82			840.67
03U076	891.41	843.65			843.19		844.97			845.05
03U077	914.94	841.78			841.19		843.19			843.45
03L077	914.88	840.18			839.64		841.69			841.84
04U077	914.57	840.19			839.67		841.68			841.92
04J077	914.60	837.90			837.38		839.11			839.42
03U078	929.85	841.67			840.56		842.33			843.13
03L078	930.18	842.24			841.84		843.77			844.26
03U079	925.99	841.08			840.31		842.16			843.00
03L079	926.29	842.09			841.69		843.40			844.19
03L080	963.45	848.38			847.99		849.99			850.44
03L081	948.96	850.92			850.49		852.58			852.97
03U082	901.00	858.21			858.36		860.29			859.76
03U083	893.90	851.31			851.20		853.15			853.08
03U084	900.98	842.24			841.67		843.58			843.83
03L084	900.58	842.31			841.75		843.64			843.89
03U087	1006.79	852.23			852.07		881.09			854.19
03U088	986.36	852.72			852.61		854.69			854.67
03U089	975.30	852.69			852.58		854.62			854.61
03U090	984.92	850.99			850.81		852.88			853.05
03U092	963.30	849.87			849.61		851.64			851.98
03U093	996.01	849.97	849.98	849.50	849.66	850.85	851.71	852.31	851.65	851.98
03U094	999.64	850.10			849.84		851.99			852.31
03U096	997.02	850.09			849.78		851.84			852.06

HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW TOC ELEVATION	02/28/91	06/03/91	09/03/91	09/27/91	12/06/91	03/24/92	06/01/92	09/01/92	10/08/92
03U111	927.69	858.31			858.19		860.36			859.84
03U112	980.80	851.37			851.18		853.21			853.47
03U113	976.83	851.91			851.72		853.79			853.95
03L113	977.15	851.84			851.63		853.67			853.71
03U301(SC1)	957.41	828.41	826.86	829.41	829.16	830.41	827.01	829.11	828.41	829.25
03F302(B1)	929.86	836.46	834.96	835.24	835.26	836.46	837.06	837.56	838.06	866.86
03F303(B2)	925.04	820.44	817.64	810.69	806.44	806.54	806.14	806.54	821.14	821.04
03F304(B3)	920.09	840.39	839.89	839.68	840.04	841.49	842.09	842.39	841.89	843.09
03F305(B4)	915.75	835.72	836.01	835.45	835.50	836.55	837.35	837.85	837.45	836.75
03F306(B5)	919.13	833.48	832.08	831.83	831.98	832.83	838.93	834.13	833.63	834.13
03F307(B6)	913.46	826.36	826.46		825.96	827.16	830.36	826.66	826.76	858.46
03F308(B7)	900.79	830.99	826.24		823.29	824.19	823.59	822.09	821.79	820.79
PJ#309(B8)	914.35	838.35	838.15	838.25	838.65	839.55	840.35	840.85	840.15	839.35
PJ#310(B9)	915.80	836.00	835.70	835.65	835.70	836.80	837.40	837.50	837.20	836.80
PJ#311(B10)	905.97	837.67	837.72		837.02	838.77	839.27	838.47	838.52	837.97
03F312(B11)	944.24	838.44	838.86	838.34	838.49	839.64	840.24	841.14	841.04	841.24
PJ#313(B12)	895.63	836.23	837.43	836.53	836.91	838.03	838.73	838.83	838.13	807.63
03U314(SC2)	978.02	844.97	845.10	840.07	840.60	846.22	841.32	846.72	848.22	845.02
03U315(SC3)	965.27	841.47	842.25	842.42	842.62	843.87	844.77	845.47	844.27	828.27
03U316(SC4)	957.13	831.23	831.93	832.13	832.63	833.63	836.53	838.53	839.53	843.13
03U317(SC5)	952.62	843.02	843.92	842.72	842.22	843.82	844.12	844.42	843.72	843.62
04U510	911.19	860.57			860.83		862.56			862.18
OW543U3	958.99	846.77			846.86		848.59			848.68
03U647	962.25	847.75			847.35		849.31			849.84
03U648	963.14	847.99			847.59		849.56			850.07
03U658	966.24	848.71			848.29		850.28			850.86
03U659	958.62	846.34			845.89		847.80			848.36
03U671	933.13	843.63			842.99		844.82			845.39
03U674	957.21	845.06			844.56		846.42			846.97
03U701	911.10	841.45			840.80		842.75			843.02
04U701	911.24	839.80			839.19		841.06			841.26
03U702	910.53	841.08			840.42		842.35			842.61
04U702	910.44	840.48			839.87		841.82			842.00
04J702	910.51	840.11			839.53		841.46			841.56
03U703	921.25	841.09			840.10		841.90			842.69
03U704	978.47	854.01	854.25	853.57	854.02	855.25	856.04	856.47	855.45	855.97
03U705	1049.55	854.53	854.80	854.05	854.55	855.80	856.64	857.03	855.98	856.53
03U706	920.63	854.37	854.65	853.87	854.45	855.59	856.39	854.57	855.61	856.21
03U707	918.28	855.10			855.14		857.11			856.80
03U708	921.97	843.02			842.42		844.22			844.83
04U708	921.66	841.78			841.35		843.23			843.62
04J708	922.04	841.26			840.81		842.63			843.00
03U709	912.63	842.25			841.74		843.64			844.00
04U709	912.52	840.76			840.32		842.20			842.51
03U710	946.76	843.16			842.54		844.32			845.14
03U711	908.81	841.69	841.33	839.64	839.95	842.59	843.50	843.40	842.99	843.42

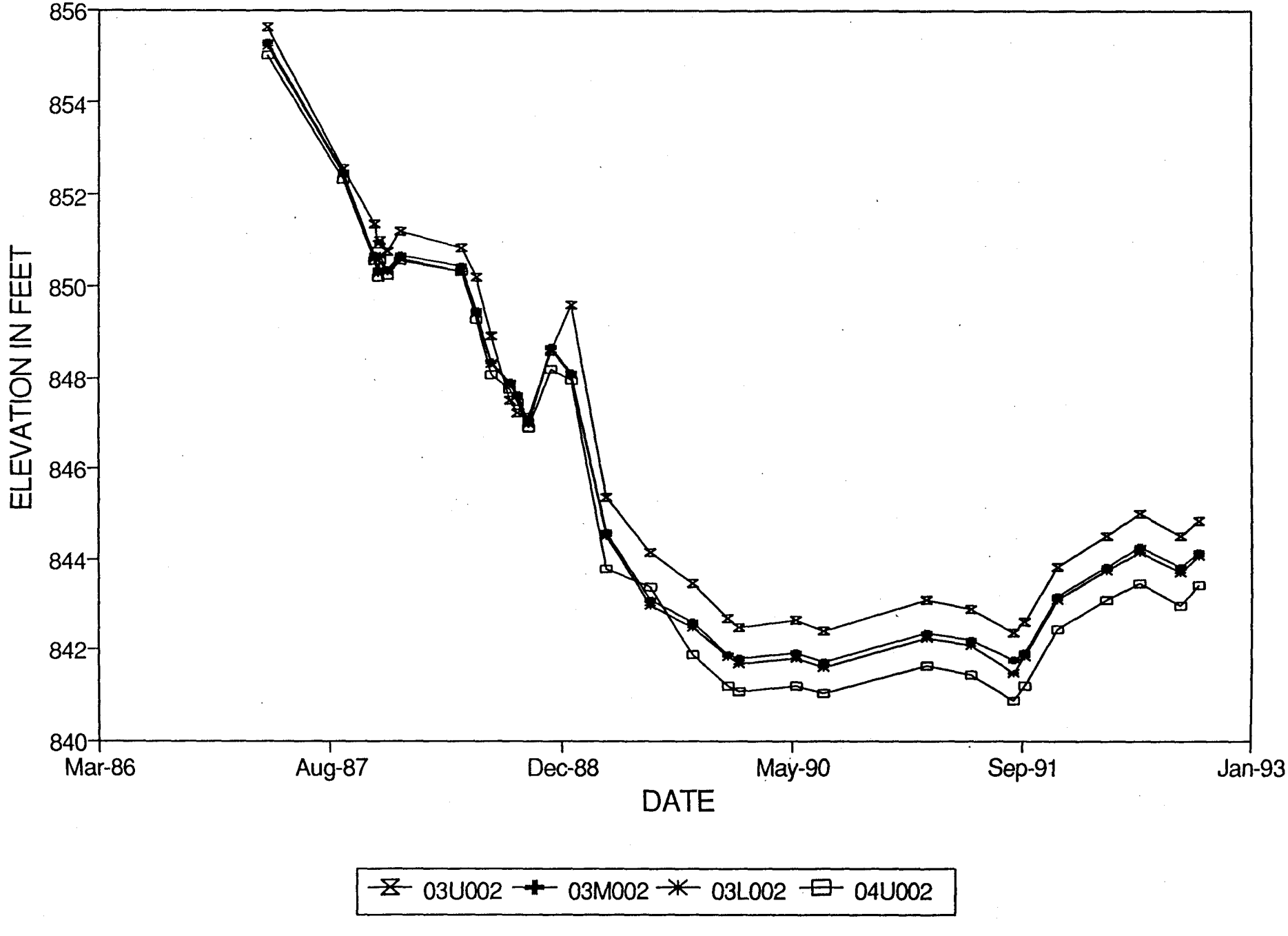
HISTORICAL BGRS GROUNDWATER ELEVATIONS (FT. AMSL)

WELL I.D.	NEW TOC ELEVATION	02/28/91	06/03/91	09/03/91	09/27/91	12/06/91	03/24/92	06/01/92	09/01/92	10/08/92
04U711	908.73	840.52	840.28	840.73	840.84	841.44	841.91	842.17	841.78	842.32
03M713	898.41	840.31	840.03	839.15	839.60	840.89	841.47	841.44	840.99	841.71
04U713	897.73	842.58	842.42	841.70	842.06	843.35	844.01	844.15	843.65	844.21
04J713	898.38	839.98	839.74	838.88	839.34	840.65	841.20	841.14	840.71	841.38
04U714	893.89	841.33	841.08	840.15	840.70	841.98	842.54	842.32	841.94	842.69
04J714	894.19	841.18	840.94	840.05	840.57	841.88	842.42	842.29	841.84	842.59
03U715	963.59	848.79	848.83	848.32	848.50	849.70	850.50	851.26	850.69	850.95
03U716	952.10	847.68	847.63	847.10	847.30	848.57	849.18	849.88	849.31	849.68
S.G. #1	860.42	865.22			865.66		867.57			866.57
S.G. #2	862.84	865.04			865.89		867.81			866.81
S.G. #3	865.29	865.53			866.04		867.47			866.47
OFF TCAAP										
MPCA6	914.40	839.26			838.60		840.55			840.78
03U672 (PD2U3)	923.72	845.68	845.36	845.11	845.05	846.32	846.90	847.68	847.34	847.76
03U673 (PD3U3)	897.84	839.13	838.73	838.19	838.39	839.50	840.08	840.61	840.11	840.82
03L673 (PD3L3)	898.44	837.95	837.67	836.99	837.29	838.54	838.66	839.48	838.96	839.68
04U673 (PD3U4)	898.34	838.08	837.79	837.12	837.44	838.69	839.82	839.59	839.10	839.79
03U801 (T1U3)	914.82	841.89	842.12	841.17	841.28	842.52	843.15	843.73	843.47	843.87
03M802 (T2M3)	907.38	842.36	841.80	841.43	841.51	842.76	843.30	844.01	843.83	844.15
03L802 (T2L3)	907.93	842.29	841.92	841.53	841.69	842.93	843.51	844.11	843.87	844.29
04U802 (T2U4)	905.95	841.94	841.68	841.20	841.44	842.67	843.22	843.67	843.38	843.89
PJ#802 (T2PJ)	905.07	841.73	841.49	840.97	841.21	842.43	842.95	843.14	842.95	843.54
03U803 (T3U3)	900.89	841.21			840.49		842.25			843.08
03U804 (T4U3)	913.02	841.61			841.13		843.07			843.51
03U805 (T5U3)	908.23	840.31			839.76		841.73			842.01
03U806 (T6U3)	911.96	840.74	840.44	839.70	840.06	841.39	842.04	842.10	841.66	842.29
03M806 (T6M3)	911.87	840.06	839.72	839.07	839.42	840.73	841.45	841.47	841.03	841.63
03L806 (T6L3)	912.16	840.01	839.74	839.02	839.38	840.70	841.42	841.43	841.00	841.60
04U806 (T6U4)	912.12	839.86	839.57	838.86	839.23	840.55	841.22	841.22	840.77	841.41
PJ#806 (T6PJ)	911.03	839.84	839.55	838.83	839.20	840.52	841.17	841.16	840.73	841.38
03L809 (T9L3)	914.32	841.46			840.83		842.80			843.02
03L841 (301L3)	911.91	837.41			836.66		838.61			838.99
03U841 (301U4)	913.77	838.77			838.10		840.05			840.42
04U847 (307U4)	916.10	838.38			837.70		839.65			839.91
PJ#074	956.46									
03U026	977.84									

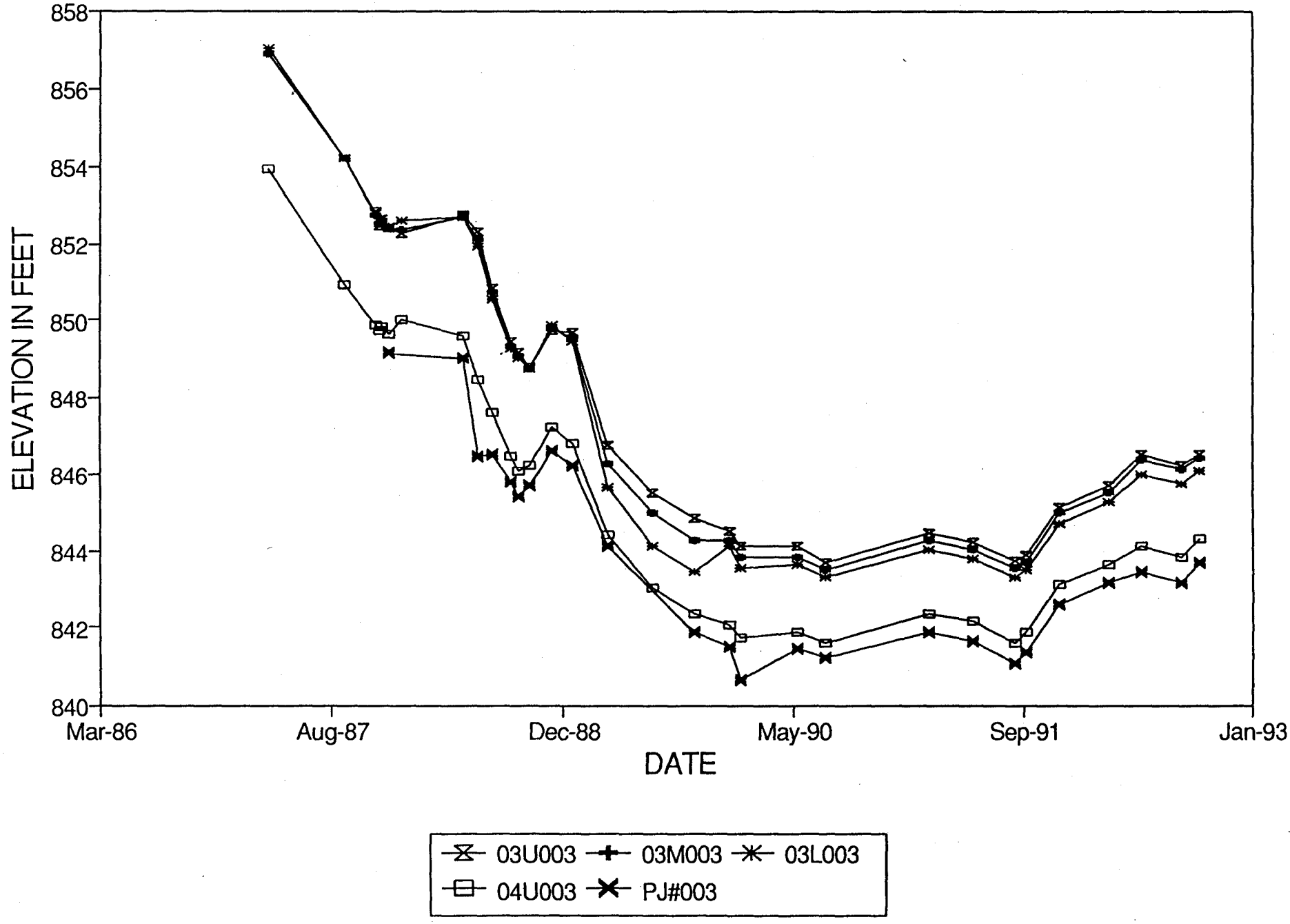
Appendix F.2

Hydrographs

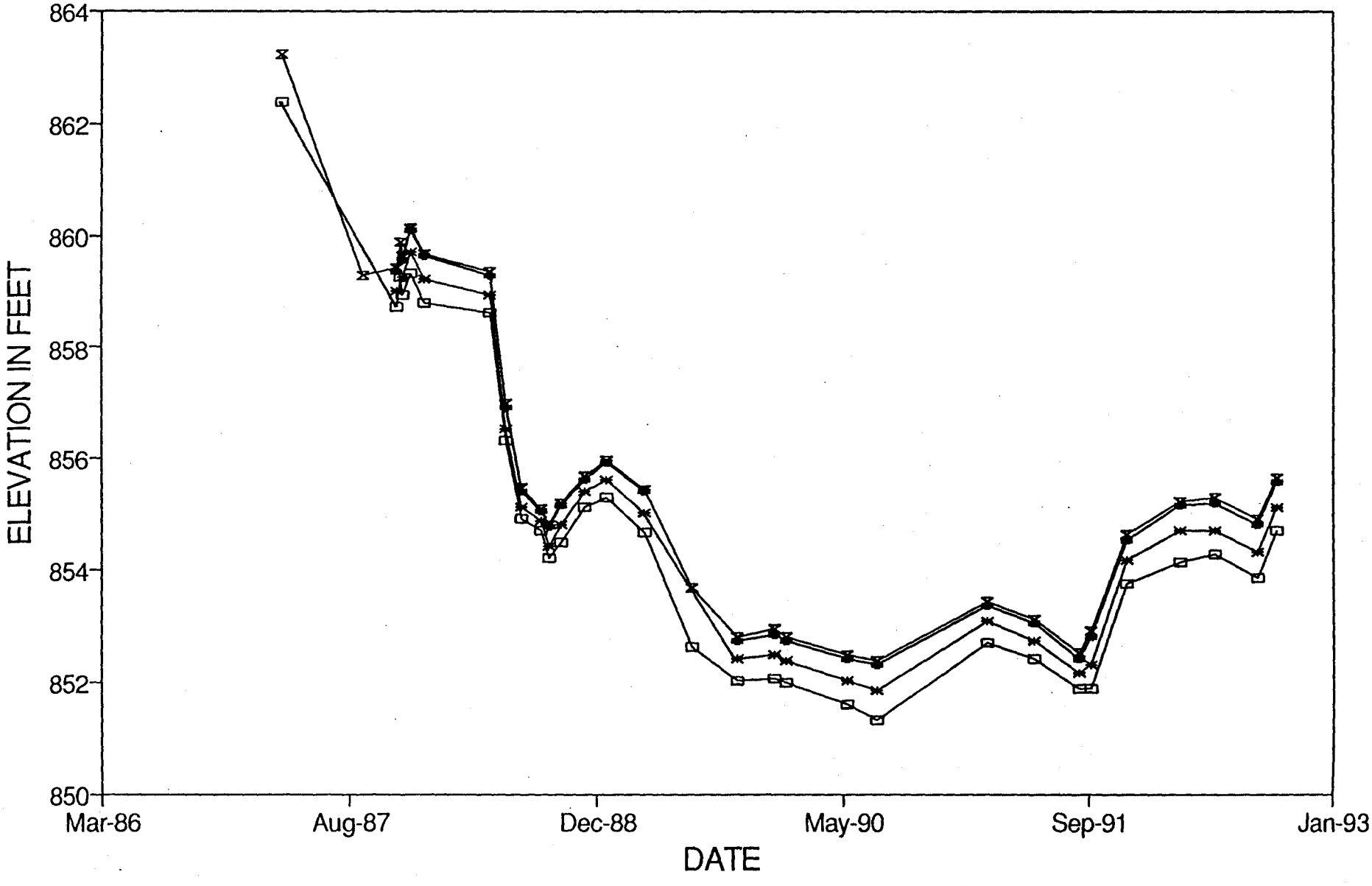
HYDROGRAPH - 002 NEST



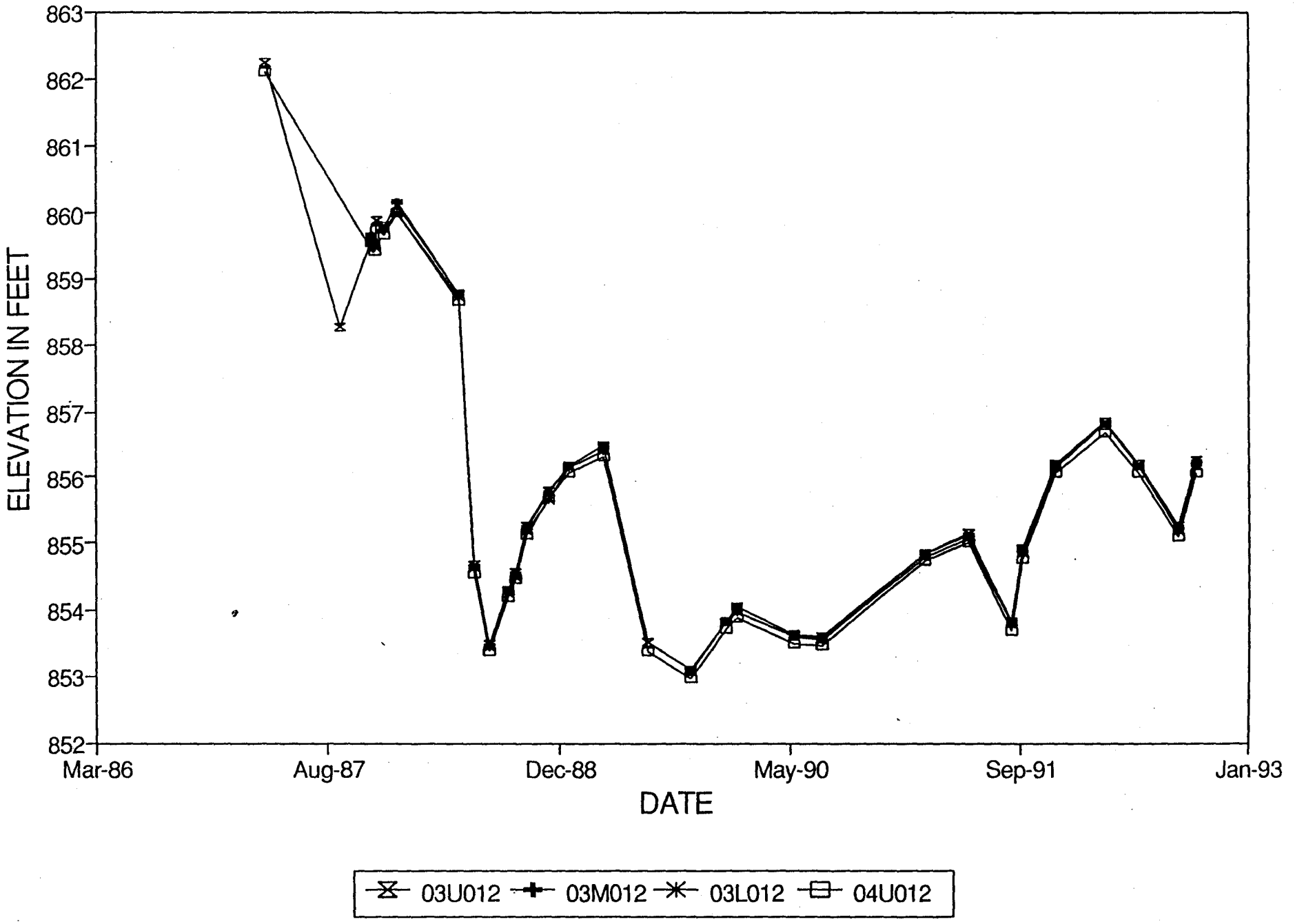
HYDROGRAPH - 003 NEST



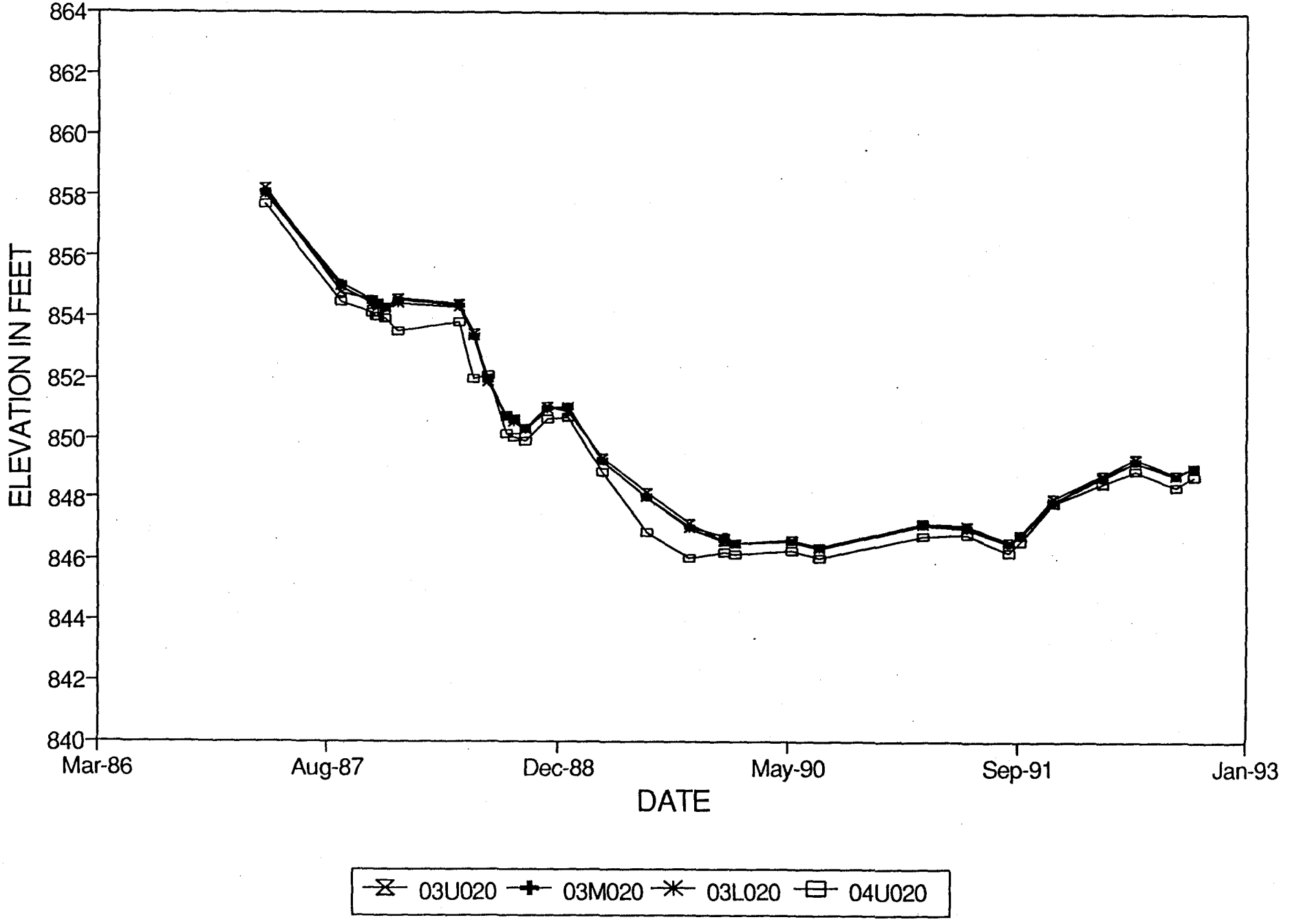
HYDROGRAPH - 007 NEST



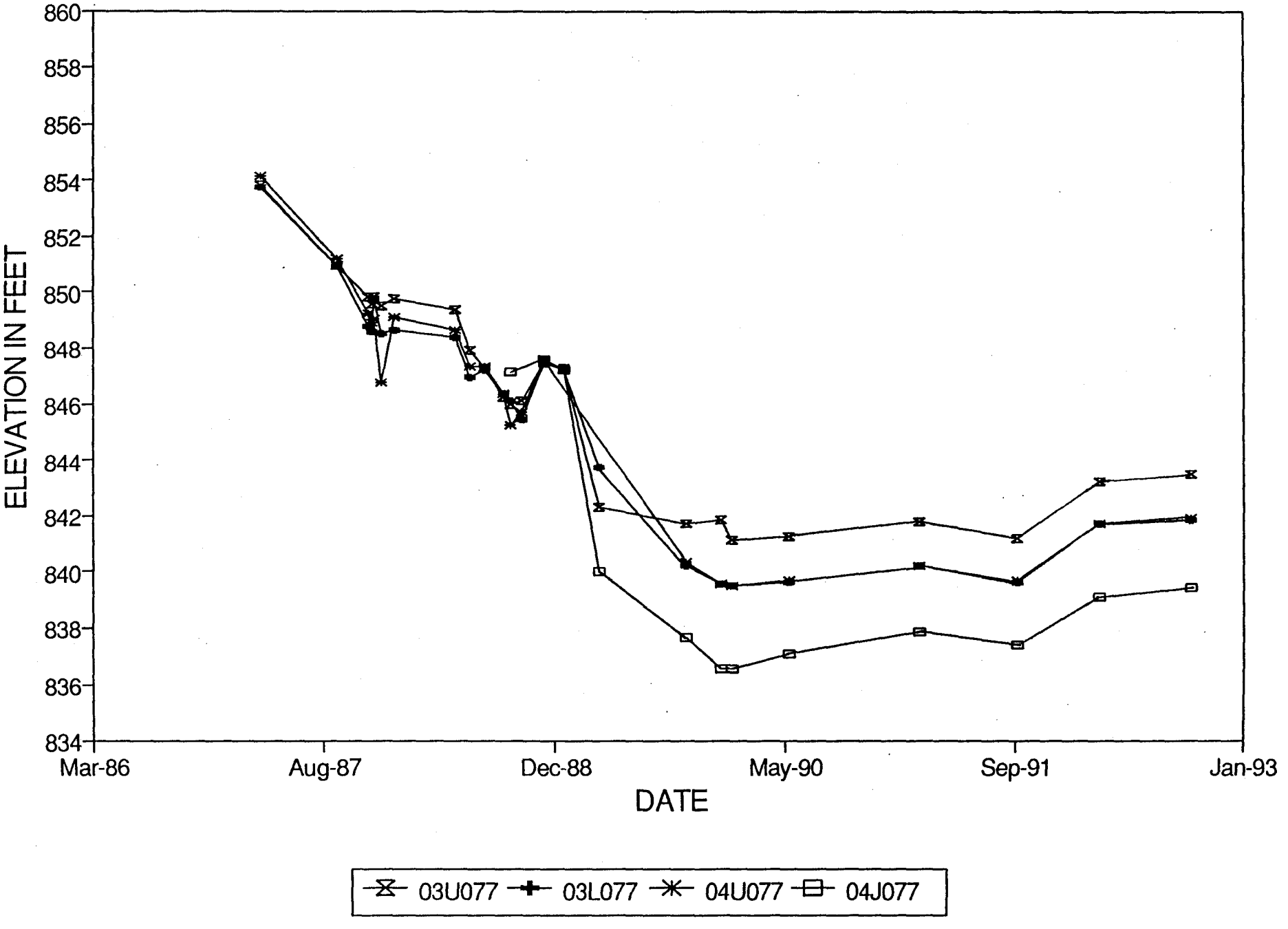
HYDROGRAPH - 012 NEST



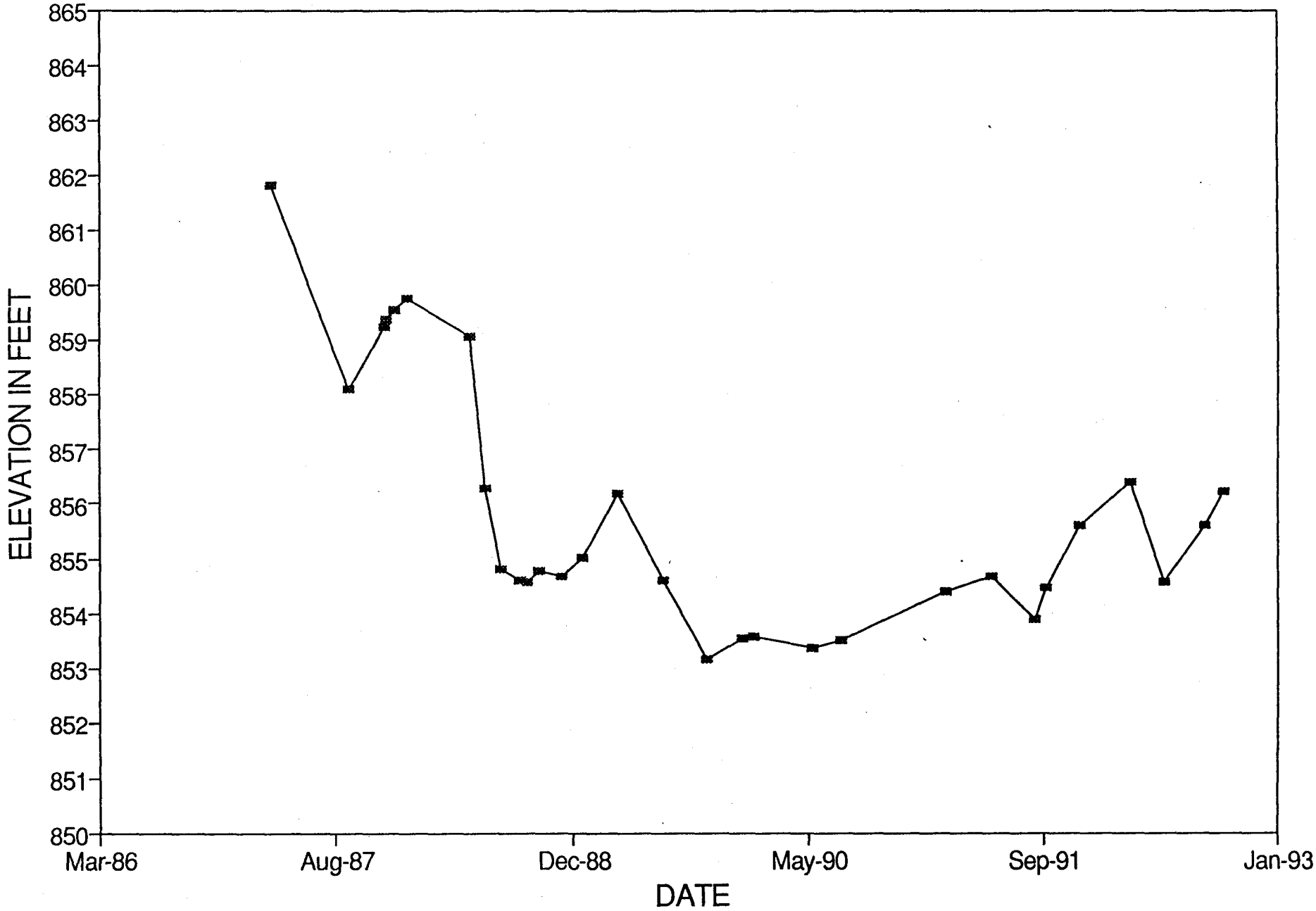
HYDROGRAPH - 020 NEST



HYDROGRAPH - 077 NEST



HYDROGRAPH - 03U706



APPENDIX G

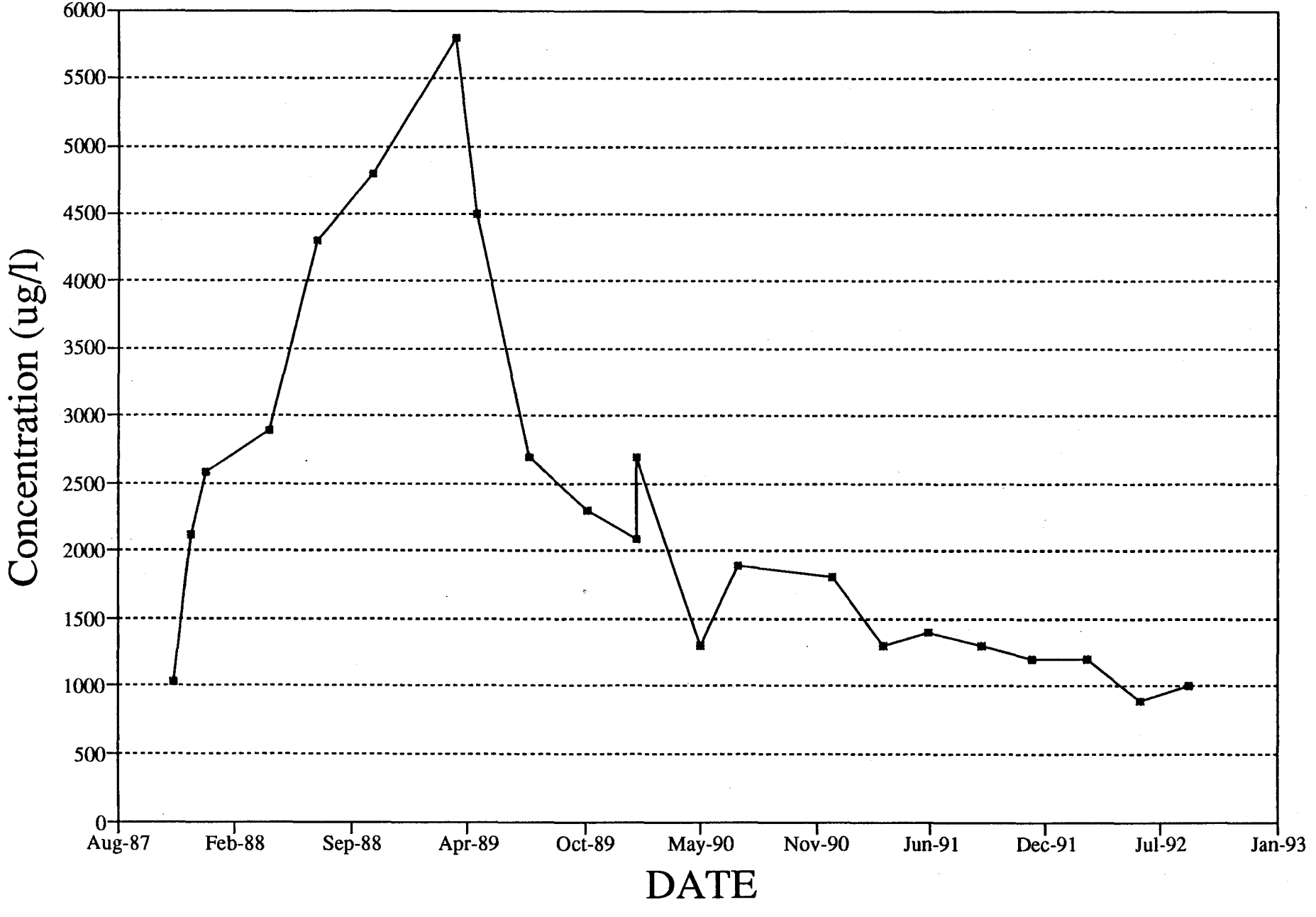
Appendix G

TGRS Chemical Data

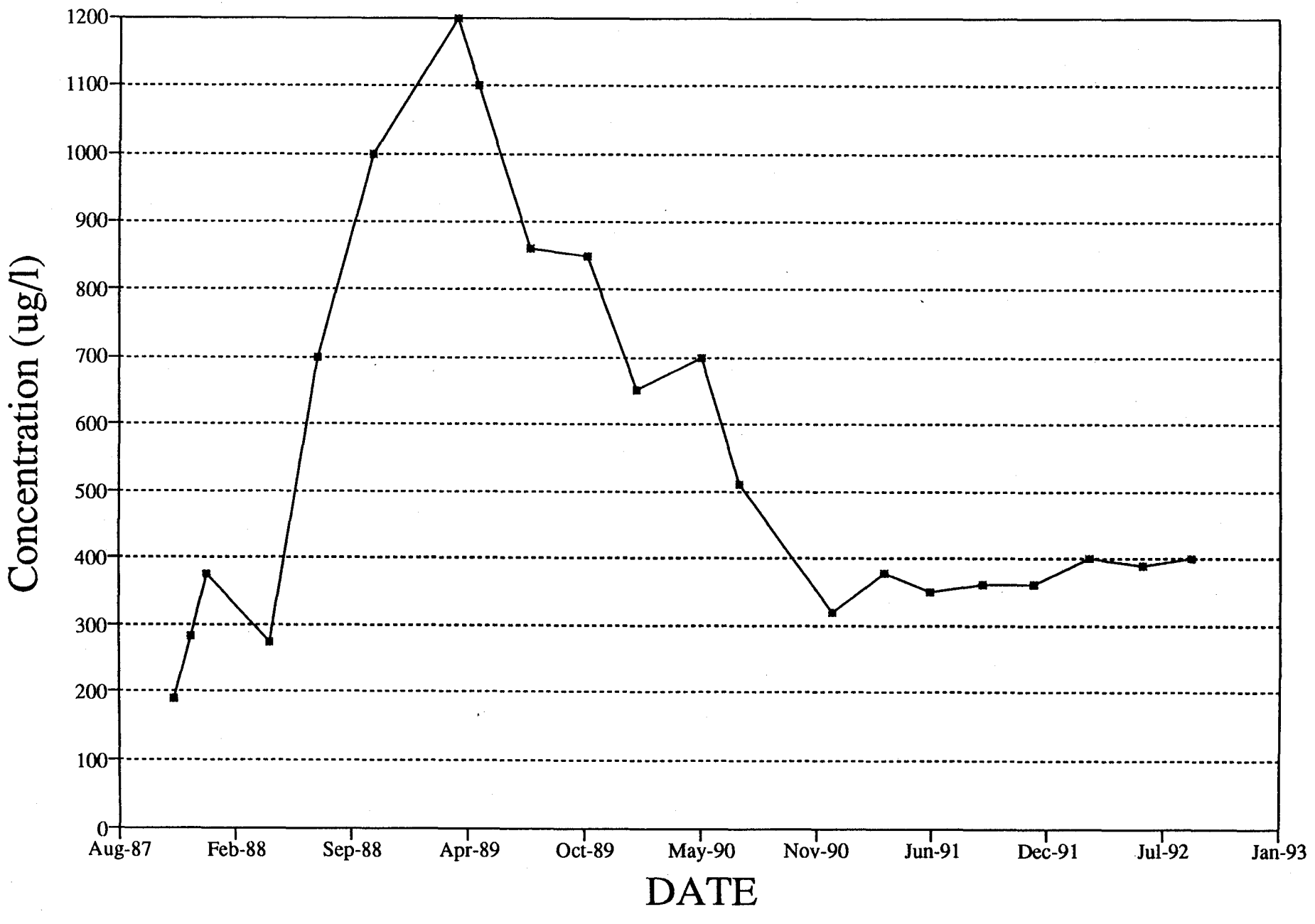
Appendix G.1

Extraction Well TRCLE vs. Time Graphs

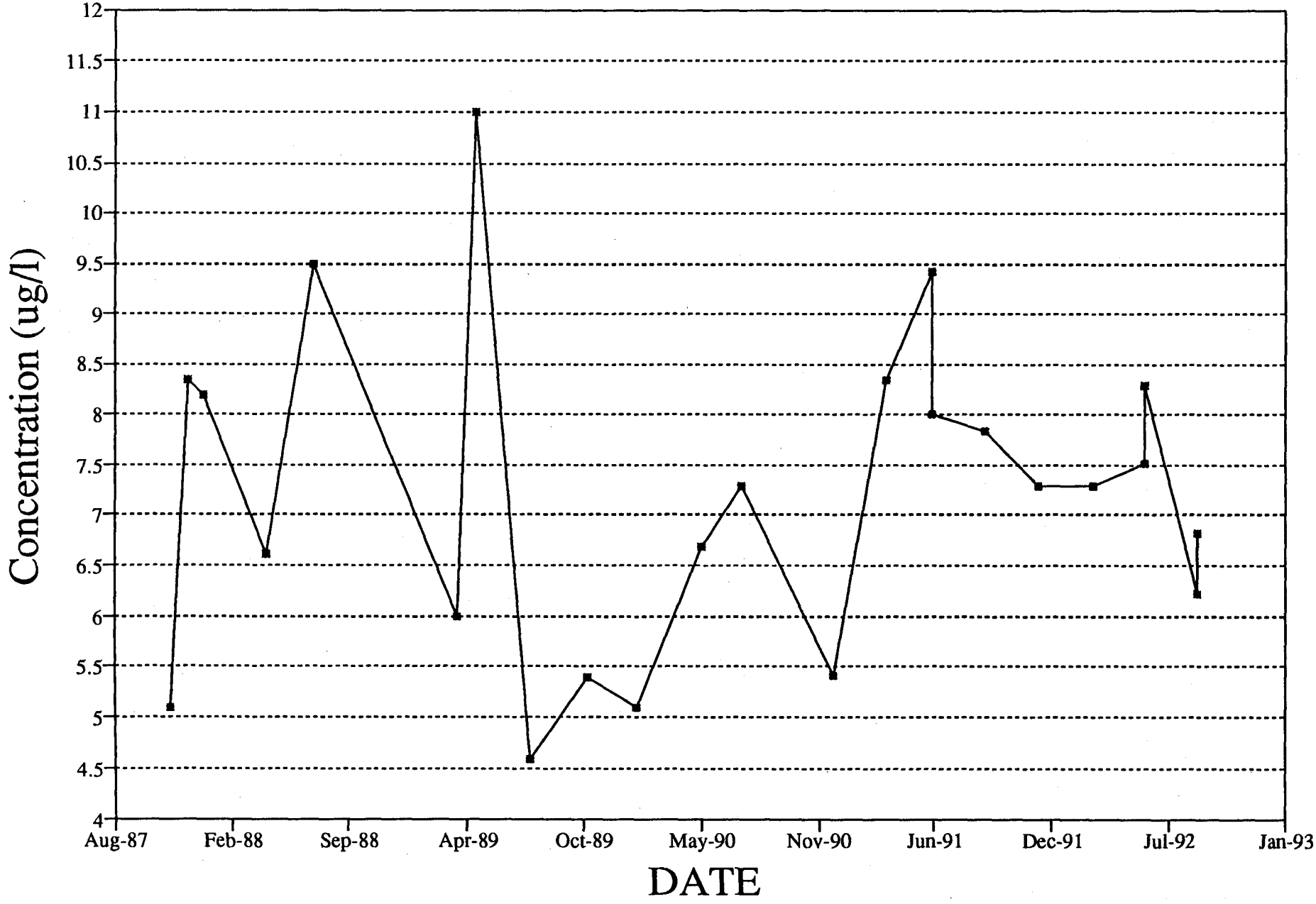
EXTRACTION WELL B1 - TRCLE vs. TIME



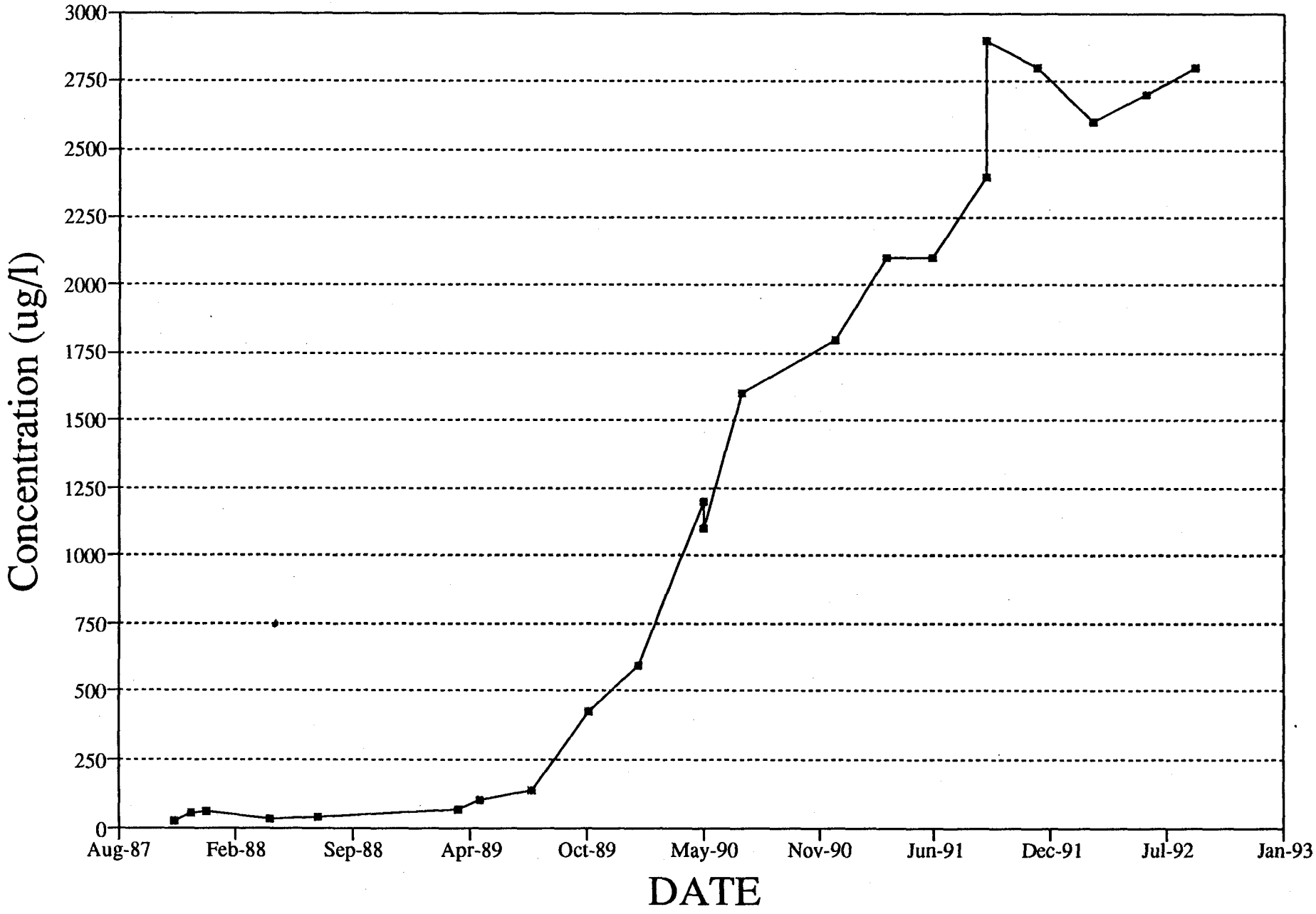
EXTRACTION WELL B2 - TRCLE vs. TIME



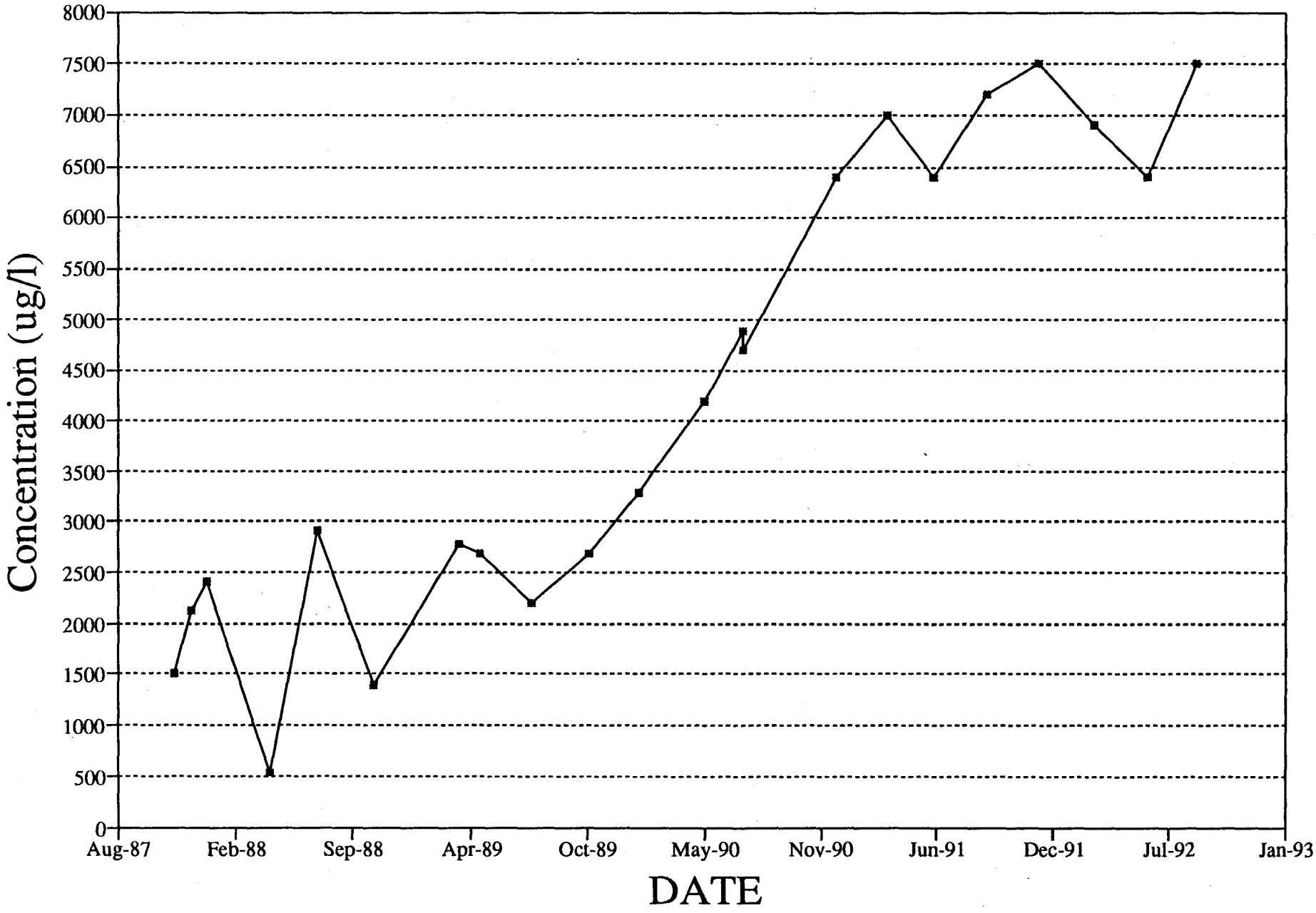
EXTRACTION WELL B3 - TRCLE vs. TIME



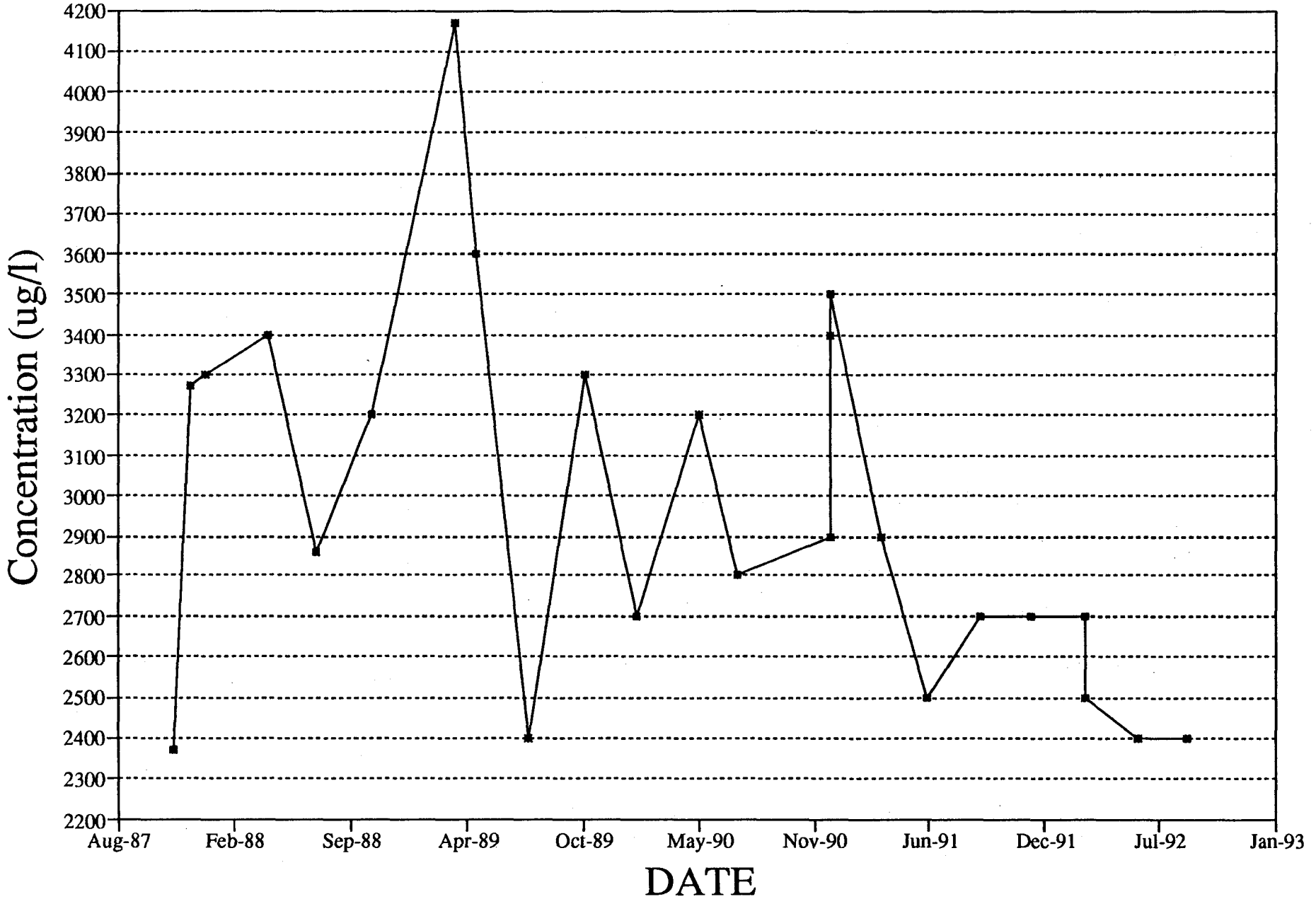
EXTRACTION WELL B4 - TRCLE vs. TIME



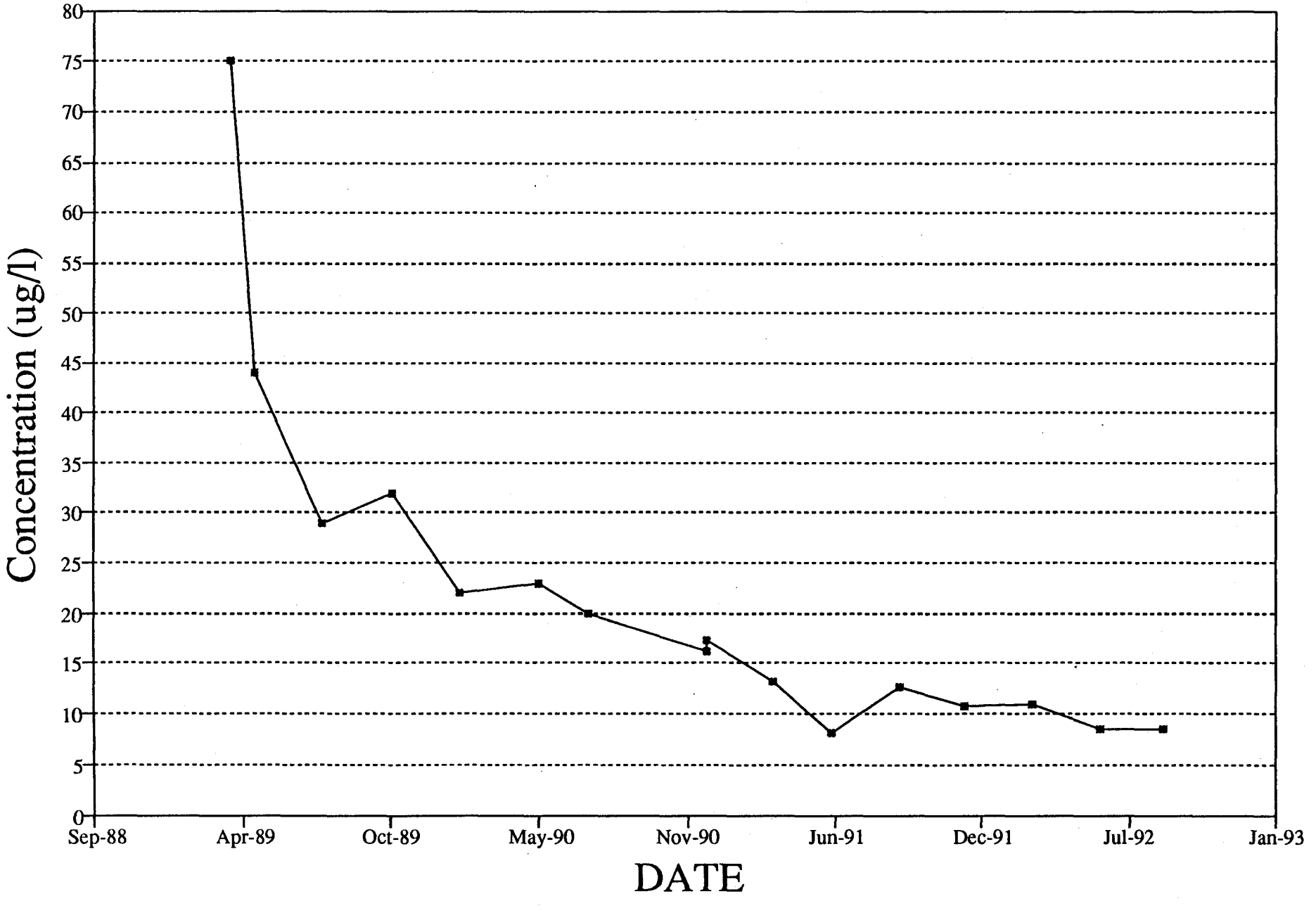
EXTRACTION WELL B5 - TRCLE vs. TIME



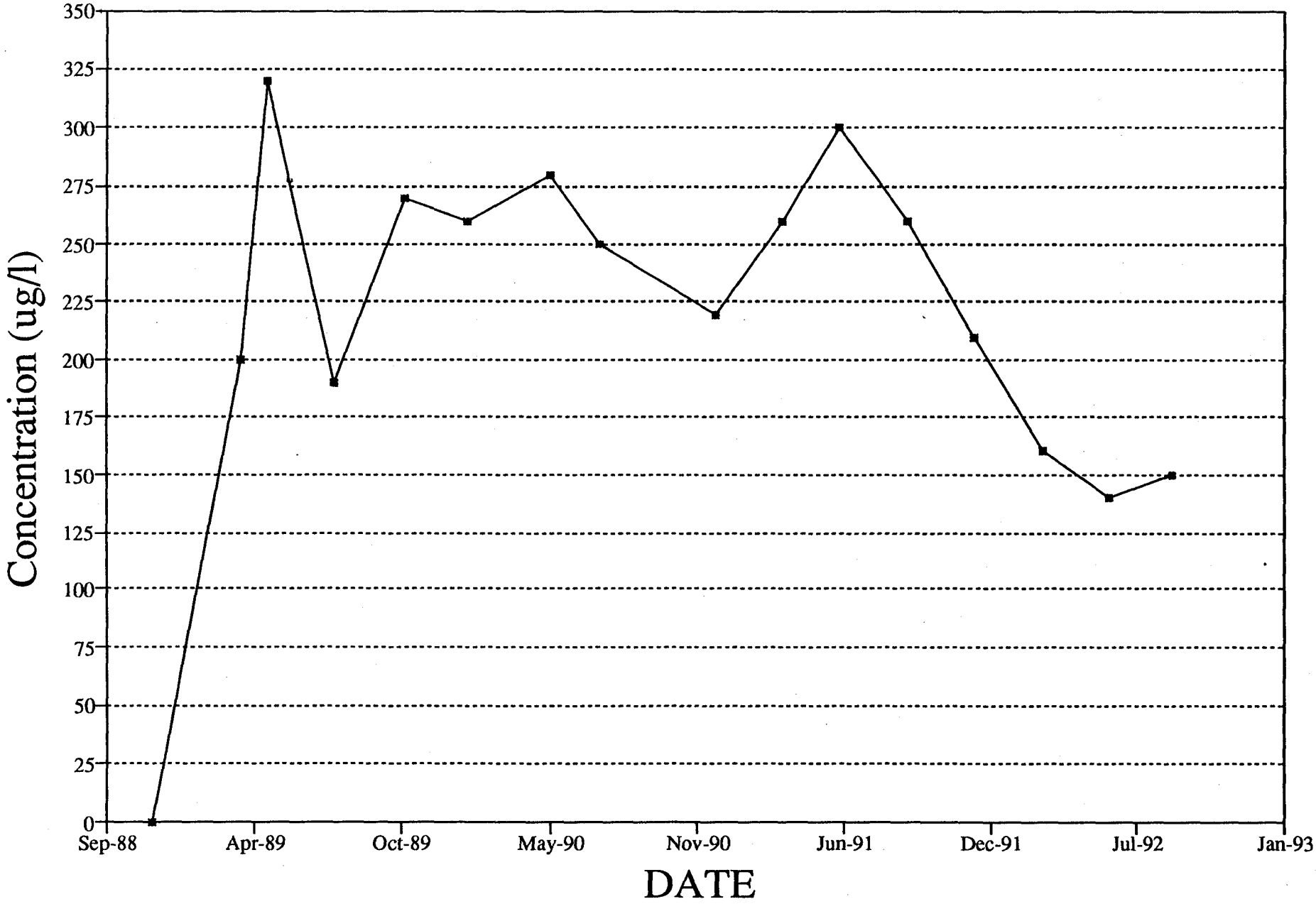
EXTRACTION WELL B6 - TRCLE vs. TIME



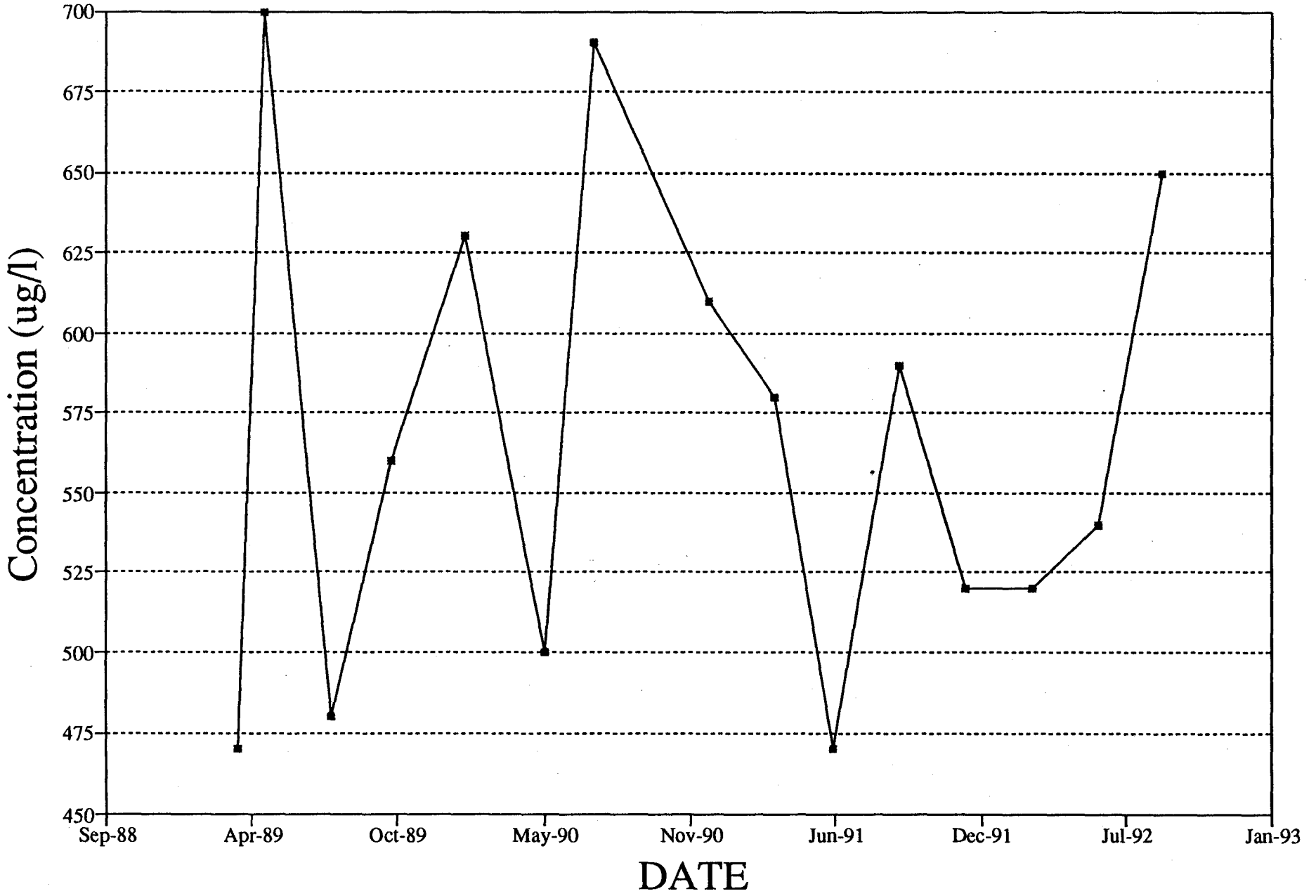
EXTRACTION WELL B7 - TRCLE vs. TIME



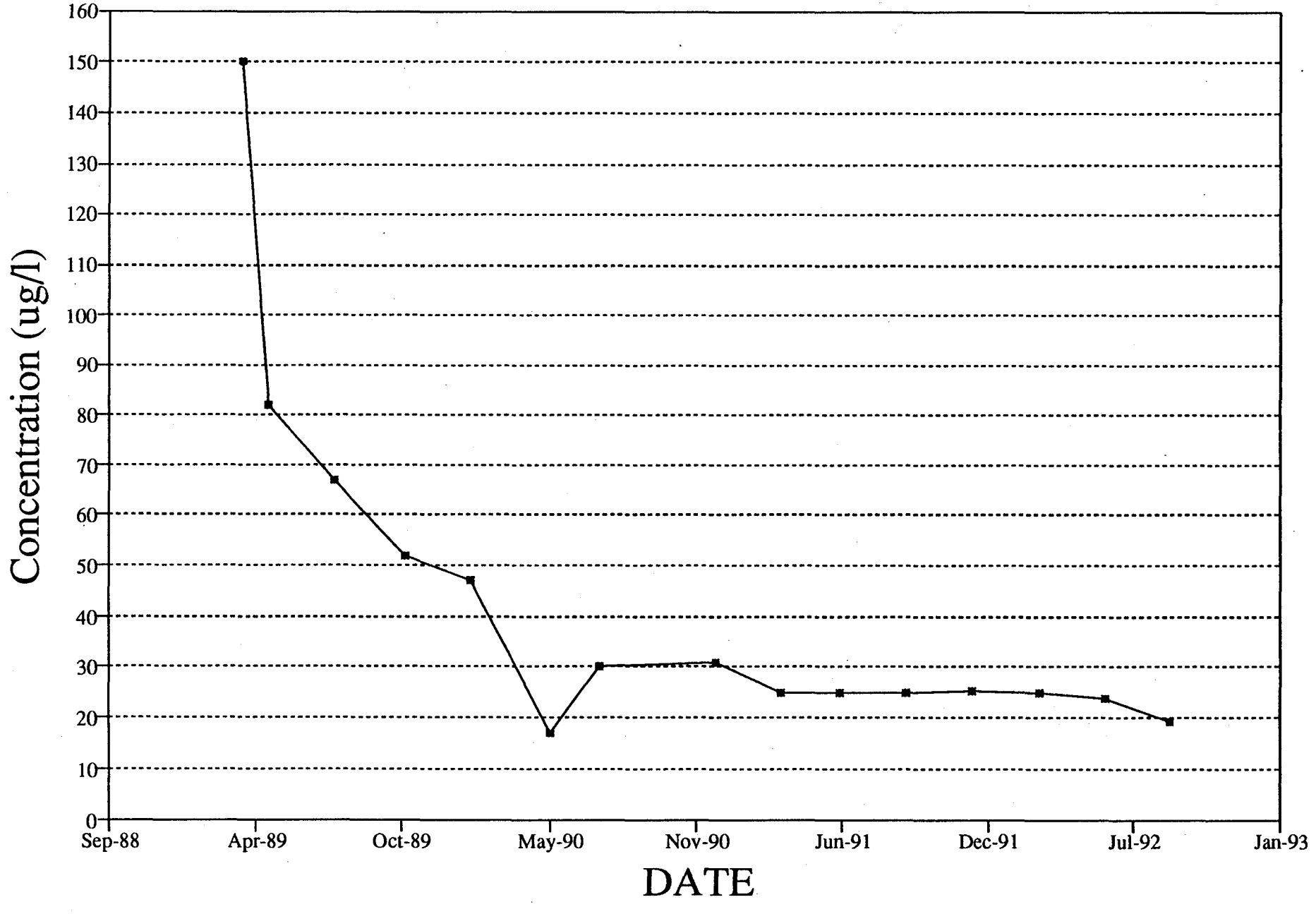
EXTRACTION WELL B8 - TRCLE vs. TIME



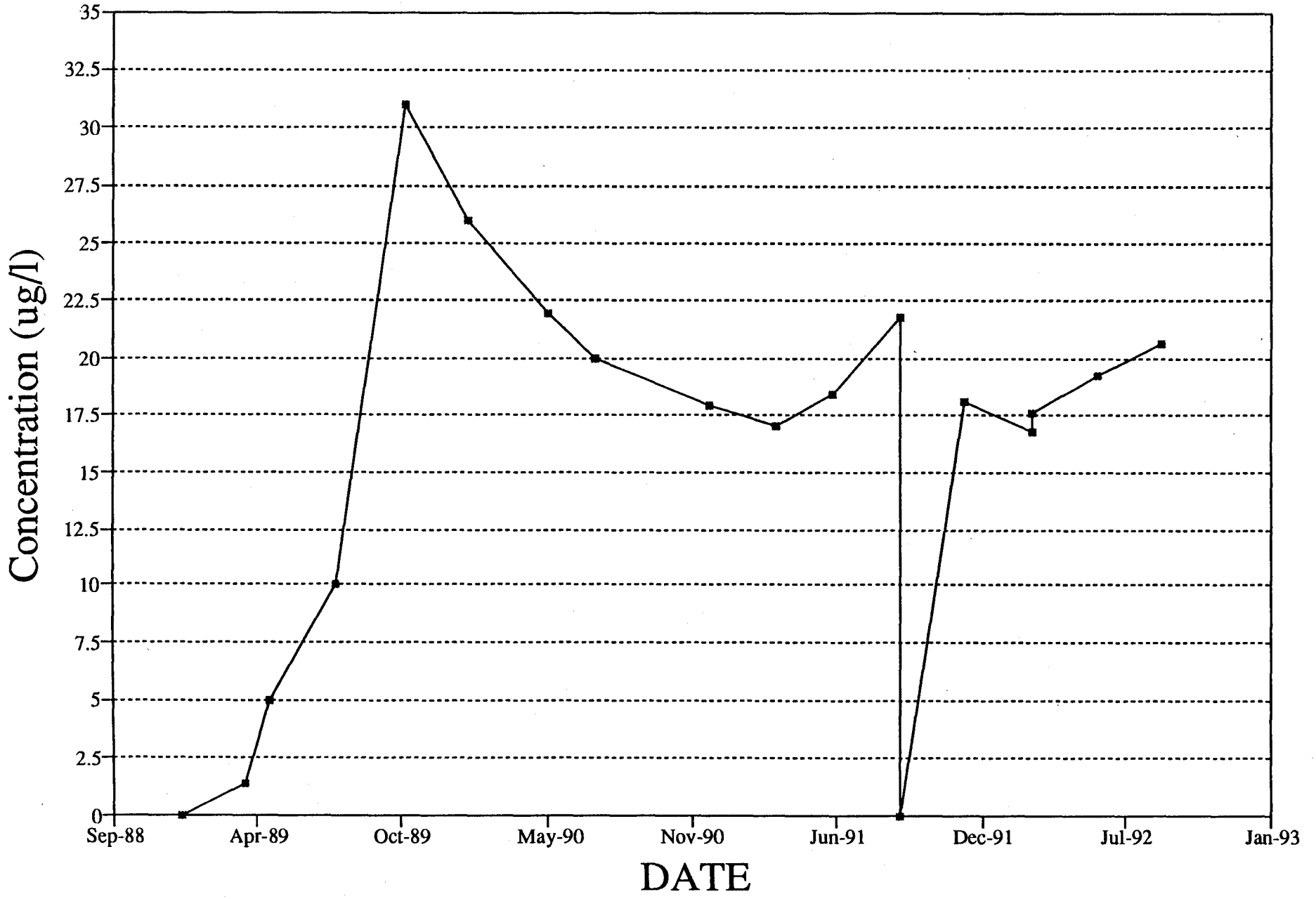
EXTRACTION WELL B9 - TRCLE vs. TIME



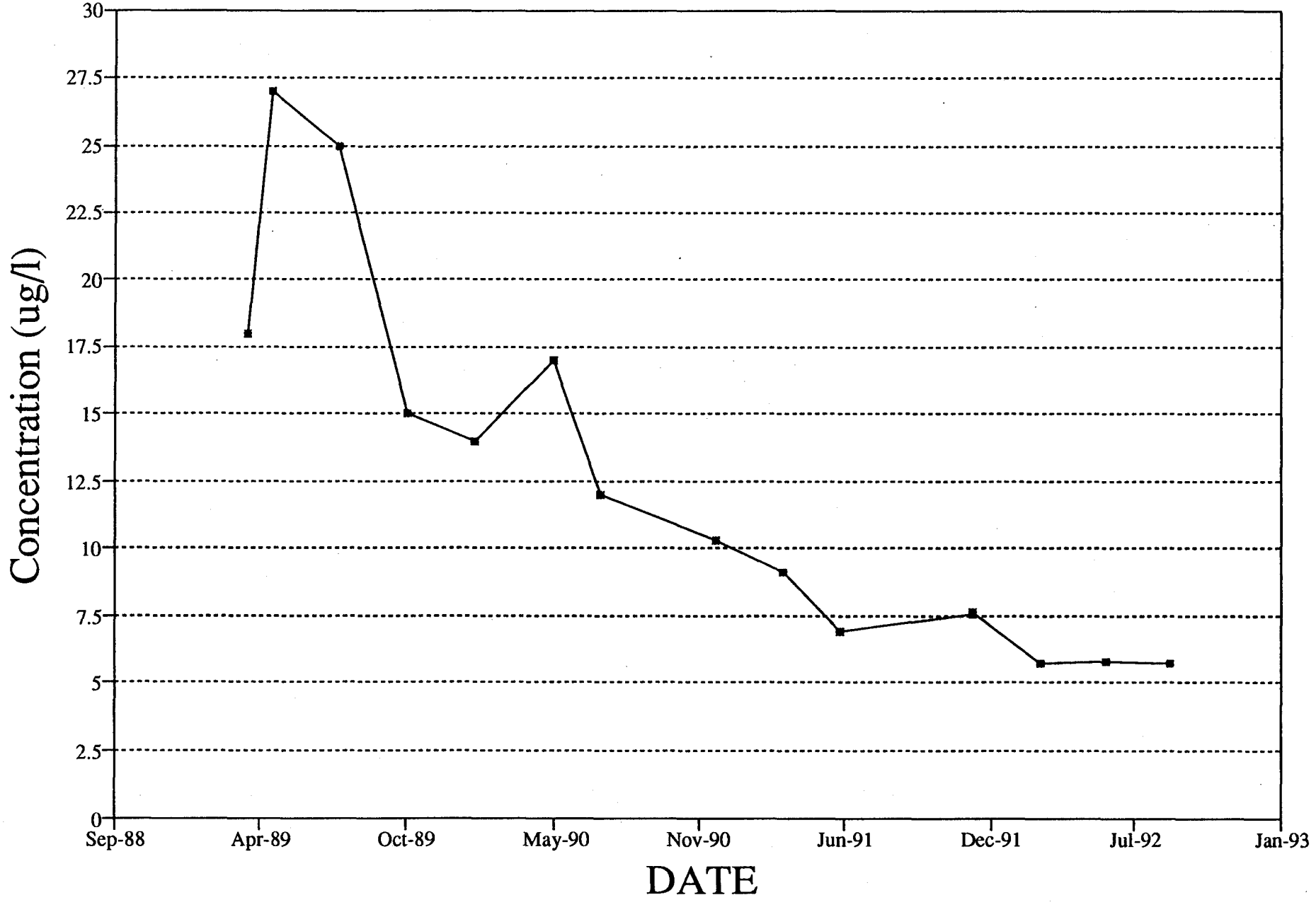
EXTRACTION WELL B10 - TRCLE vs. TIME



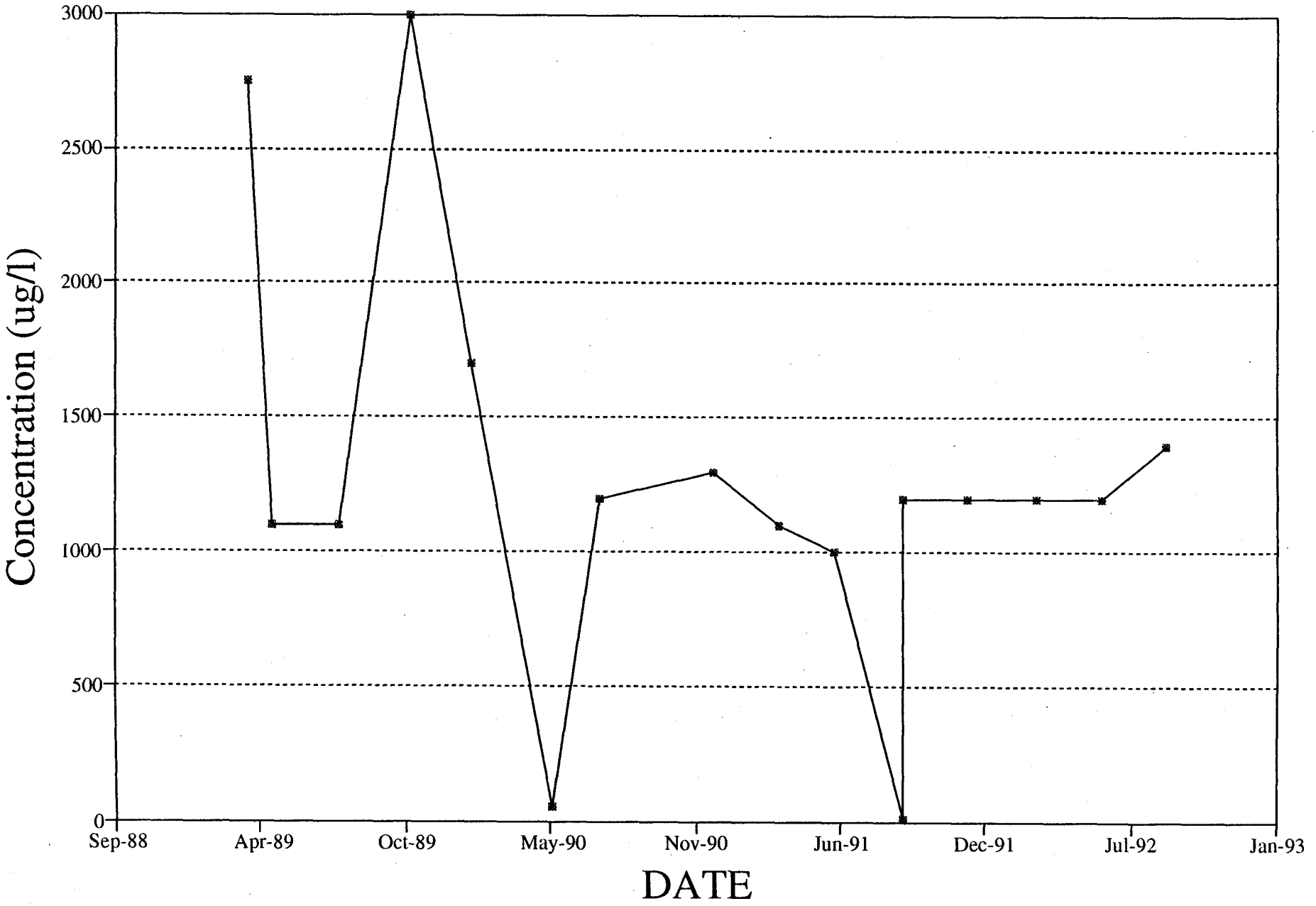
EXTRACTION WELL B11 - TRCLE vs. TIME



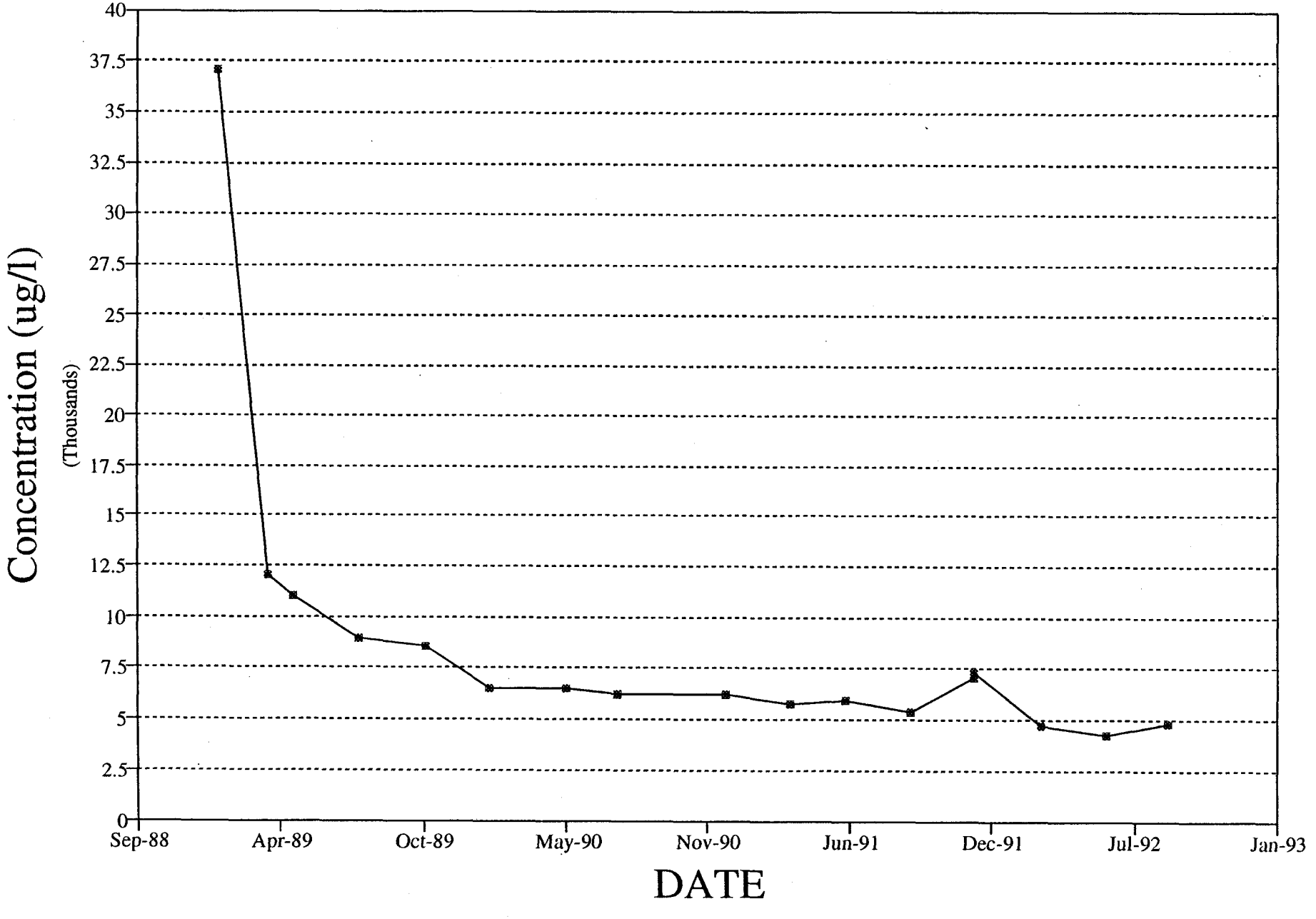
EXTRACTION WELL B12 - TRCLE vs. TIME



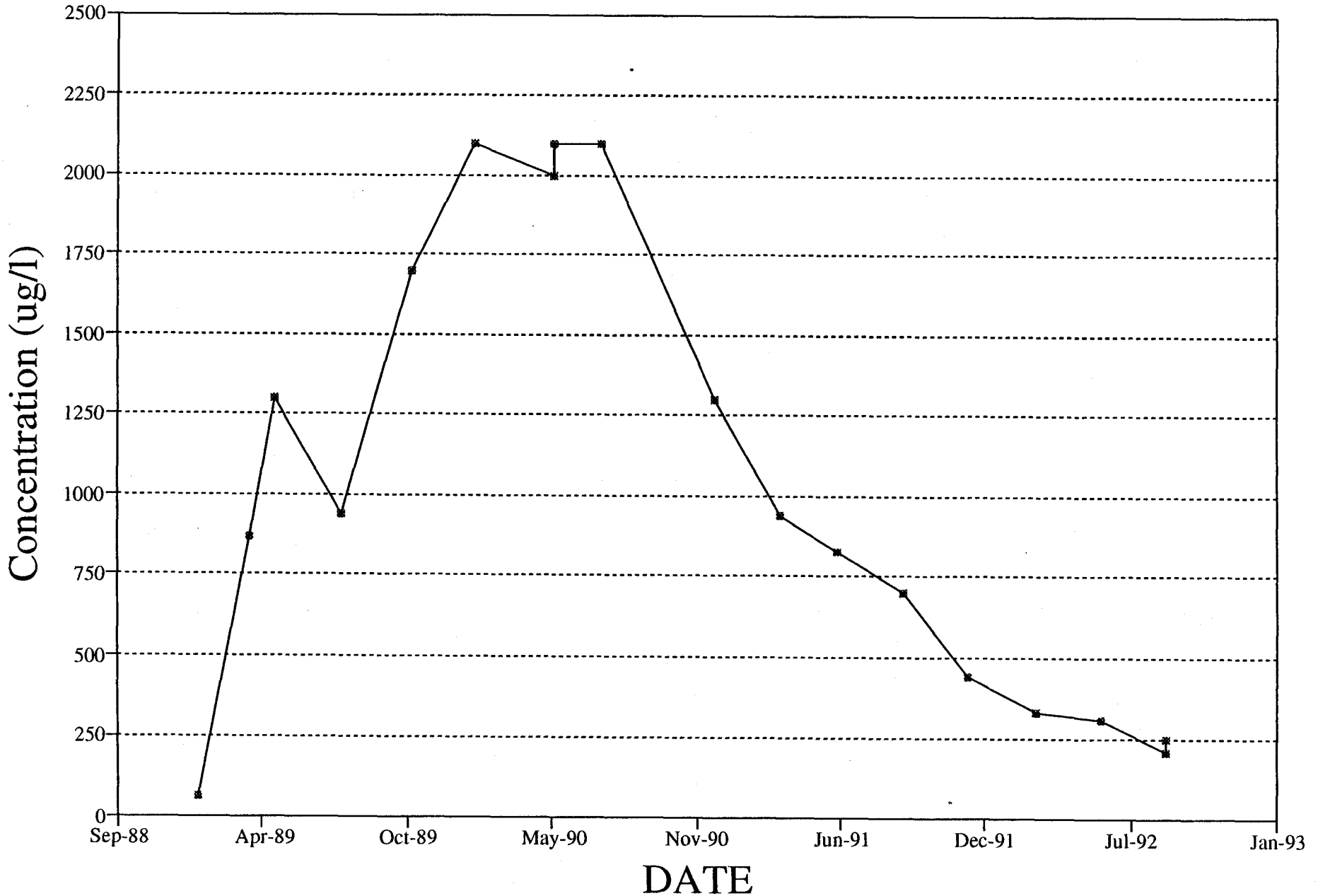
EXTRACTION WELL SC1 - TRCLE vs. TIME



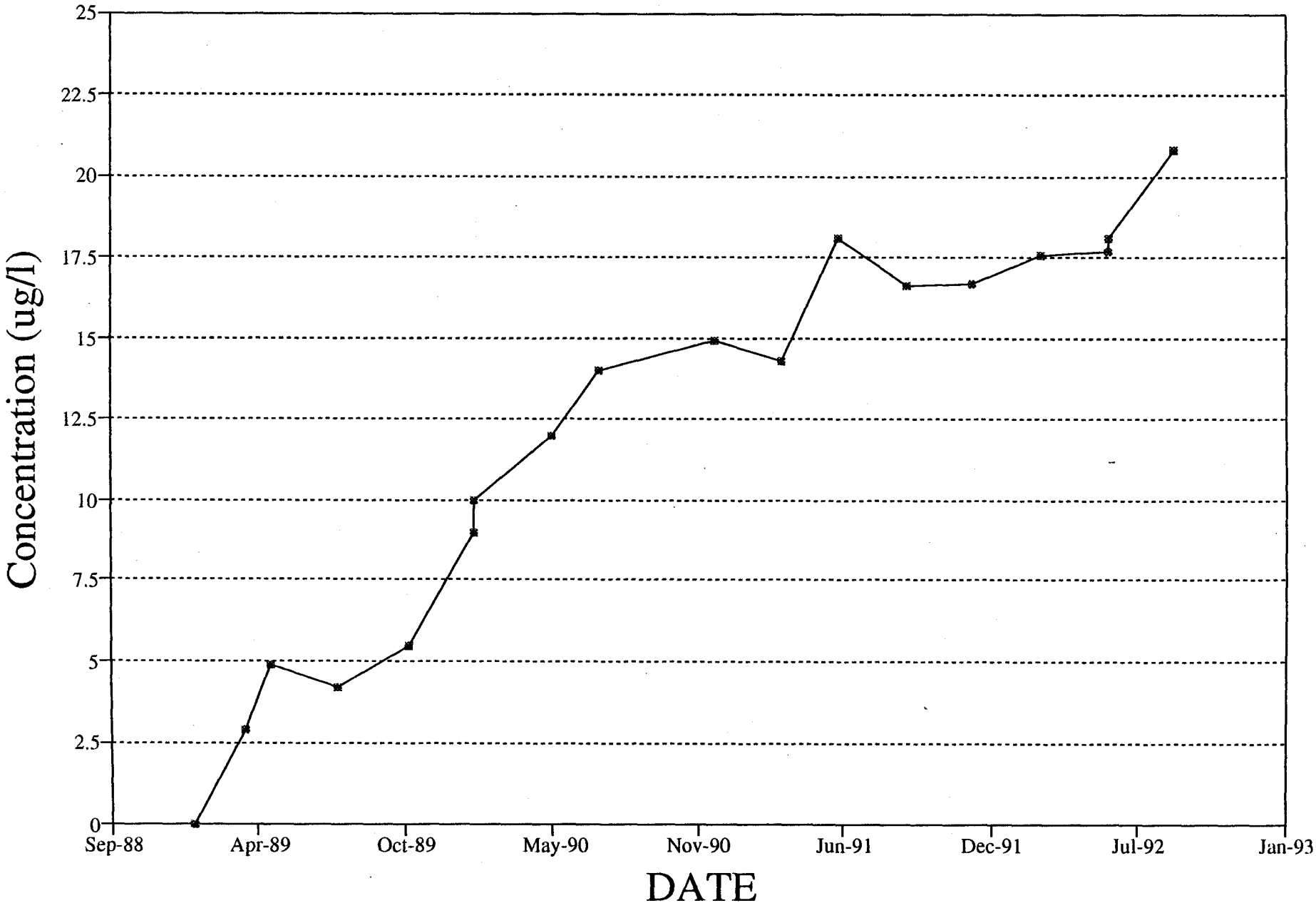
EXTRACTION WELL SC2 - TRCLE vs. TIME



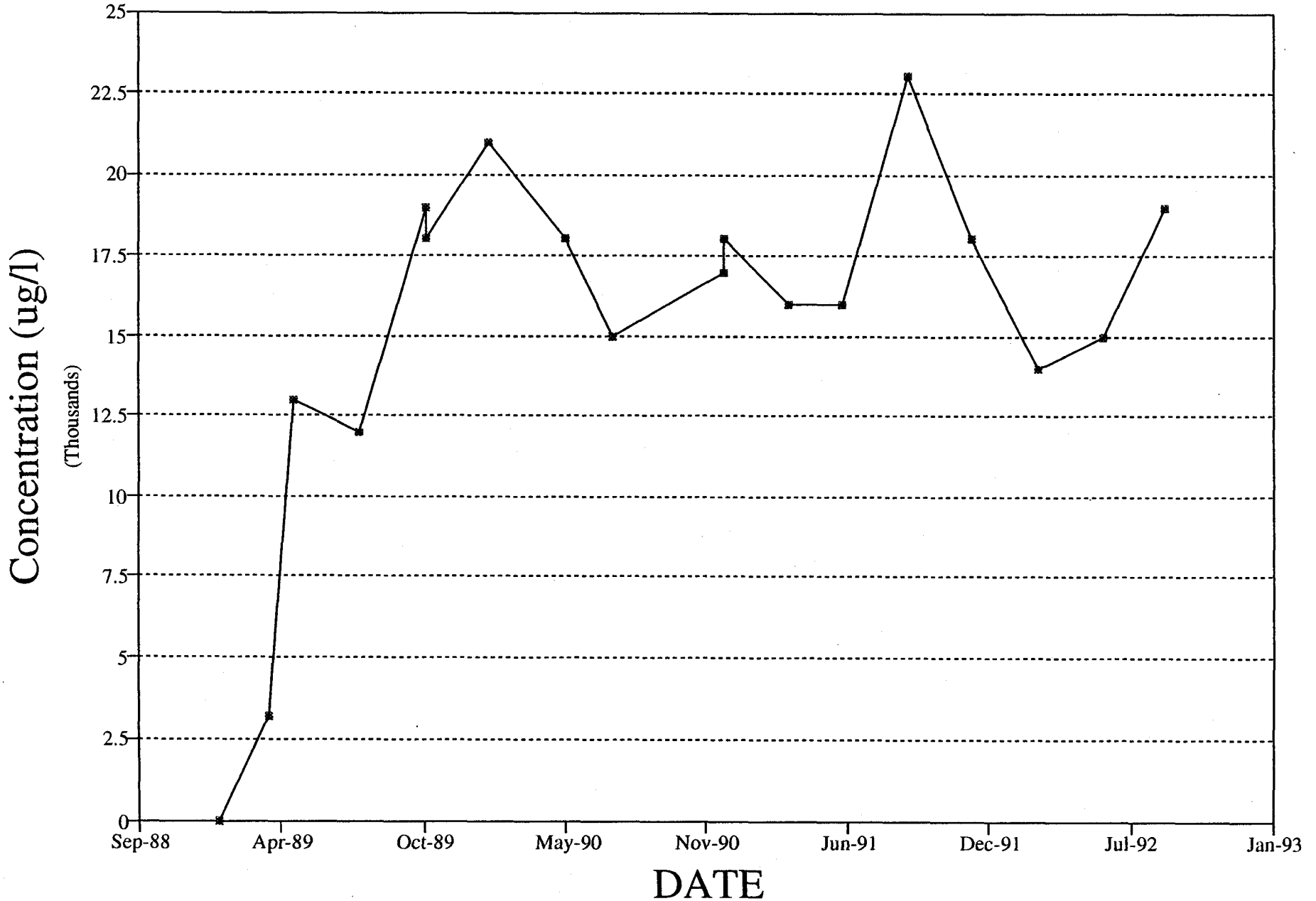
EXTRACTION WELL SC3 - TRCLE vs. TIME



EXTRACTION WELL SC4 - TRCLE vs. TIME



EXTRACTION WELL SC5 - TRCLE vs. TIME



Appendix G.2

1992 TGRS Influent/Effluent Database

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	10/01/91	111TCE	PC	LT	1.000	UGL	
TGRSE	10/01/91	111TCE	PC	LT	1.000	UGL	
TGRSE	11/05/91	111TCE	PC	LT	1.000	UGL	
TGRSE	11/05/91	111TCE	PC	LT	1.000	UGL	D
TGRSE	12/04/91	111TCE	PC	LT	1.000	UGL	
TGRSE	12/04/91	111TCE	PC	LT	1.000	UGL	D
TGRSE	1/07/92	111TCE	PC	LT	1.000	UGL	
TGRSE	1/07/92	111TCE	PC	LT	1.000	UGL	D
TGRSE	2/04/92	111TCE	PC	LT	1.000	UGL	
TGRSE	2/04/92	111TCE	PC	LT	1.000	UGL	D
TGRSE	3/03/92	111TCE	PC	ND	5.000	UGL	R
TGRSE	4/07/92	111TCE	PC	LT	1.000	UGL	
TGRSE	4/07/92	111TCE	PC	LT	1.000	UGL	D
TGRSE	5/05/92	111TCE	PC	LT	1.000	UGL	
TGRSE	5/05/92	111TCE	PC	LT	1.000	UGL	D
TGRSE	6/02/92	111TCE	PC	LT	1.000	UGL	
TGRSE	6/02/92	111TCE	PC	LT	1.000	UGL	D
TGRSE	7/07/92	111TCE	PC	LT	1.000	UGL	
TGRSE	7/07/92	111TCE	PC	LT	1.000	UGL	D
TGRSE	8/04/92	111TCE	PC	LT	1.000	UGL	
TGRSE	8/04/92	111TCE	PC	LT	1.000	UGL	D
TGRSE	9/01/92	111TCE	PC	LT	1.000	UGL	
TGRSE	9/01/92	111TCE	PC	LT	1.000	UGL	D
TGRSE	10/01/91	112TCE	PC	LT	1.000	UGL	
TGRSE	10/01/91	112TCE	PC	LT	1.000	UGL	
TGRSE	11/05/91	112TCE	PC	LT	1.000	UGL	
TGRSE	11/05/91	112TCE	PC	LT	1.000	UGL	D
TGRSE	12/04/91	112TCE	PC	LT	1.000	UGL	
TGRSE	12/04/91	112TCE	PC	LT	1.000	UGL	D
TGRSE	1/07/92	112TCE	PC	LT	1.000	UGL	
TGRSE	1/07/92	112TCE	PC	LT	1.000	UGL	D
TGRSE	2/04/92	112TCE	PC	LT	1.000	UGL	
TGRSE	2/04/92	112TCE	PC	LT	1.000	UGL	D
TGRSE	3/03/92	112TCE	PC	ND	5.000	UGL	R
TGRSE	4/07/92	112TCE	PC	LT	1.000	UGL	
TGRSE	4/07/92	112TCE	PC	LT	1.000	UGL	D
TGRSE	5/05/92	112TCE	PC	LT	1.000	UGL	
TGRSE	5/05/92	112TCE	PC	LT	1.000	UGL	D
TGRSE	6/02/92	112TCE	PC	LT	1.000	UGL	
TGRSE	6/02/92	112TCE	PC	LT	1.000	UGL	D
TGRSE	7/07/92	112TCE	PC	LT	1.000	UGL	
TGRSE	7/07/92	112TCE	PC	LT	1.000	UGL	D
TGRSE	8/04/92	112TCE	PC	LT	1.000	UGL	N
TGRSE	8/04/92	112TCE	PC	LT	1.000	UGL	N
TGRSE	9/01/92	112TCE	PC	LT	1.000	UGL	
TGRSE	9/01/92	112TCE	PC	LT	1.000	UGL	D
TGRSE	10/01/91	11DCE	PC	LT	1.000	UGL	
TGRSE	10/01/91	11DCE	PC	LT	1.000	UGL	
TGRSE	11/05/91	11DCE	PC	LT	1.000	UGL	
TGRSE	11/05/91	11DCE	PC	LT	1.000	UGL	D
TGRSE	12/04/91	11DCE	PC	LT	1.000	UGL	

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	12/04/91	11DCE	PC	LT	1.000	UGL	D
TGRSE	1/07/92	11DCE	PC	LT	1.000	UGL	
TGRSE	1/07/92	11DCE	PC	LT	1.000	UGL	D
TGRSE	2/04/92	11DCE	PC	LT	1.000	UGL	
TGRSE	2/04/92	11DCE	PC	LT	1.000	UGL	D
TGRSE	3/03/92	11DCE	PC	ND	5.000	UGL	R
TGRSE	4/07/92	11DCE	PC	LT	1.000	UGL	
TGRSE	4/07/92	11DCE	PC	LT	1.000	UGL	D
TGRSE	5/05/92	11DCE	PC	LT	1.000	UGL	
TGRSE	5/05/92	11DCE	PC	LT	1.000	UGL	D
TGRSE	6/02/92	11DCE	PC	LT	1.000	UGL	
TGRSE	6/02/92	11DCE	PC	LT	1.000	UGL	D
TGRSE	7/07/92	11DCE	PC	LT	1.000	UGL	
TGRSE	7/07/92	11DCE	PC	LT	1.000	UGL	D
TGRSE	8/04/92	11DCE	PC	LT	1.000	UGL	
TGRSE	8/04/92	11DCE	PC	LT	1.000	UGL	D
TGRSE	9/01/92	11DCE	PC	LT	1.000	UGL	
TGRSE	9/01/92	11DCE	PC	LT	1.000	UGL	D
TGRSE	10/01/91	11DCLE	PC	LT	0.780	UGL	
TGRSE	10/01/91	11DCLE	PC	LT	0.780	UGL	
TGRSE	11/05/91	11DCLE	PC	LT	0.780	UGL	
TGRSE	11/05/91	11DCLE	PC	LT	0.780	UGL	D
TGRSE	12/04/91	11DCLE	PC	LT	0.780	UGL	
TGRSE	12/04/91	11DCLE	PC	LT	0.780	UGL	D
TGRSE	1/07/92	11DCLE	PC	LT	0.780	UGL	
TGRSE	1/07/92	11DCLE	PC	LT	0.780	UGL	D
TGRSE	2/04/92	11DCLE	PC	LT	0.780	UGL	
TGRSE	2/04/92	11DCLE	PC	LT	0.780	UGL	D
TGRSE	3/03/92	11DCLE	PC	ND	5.000	UGL	R
TGRSE	4/07/92	11DCLE	PC	LT	0.780	UGL	
TGRSE	4/07/92	11DCLE	PC	LT	0.780	UGL	D
TGRSE	5/05/92	11DCLE	PC	LT	0.780	UGL	
TGRSE	5/05/92	11DCLE	PC	LT	0.780	UGL	D
TGRSE	6/02/92	11DCLE	PC	LT	0.780	UGL	
TGRSE	6/02/92	11DCLE	PC	LT	0.780	UGL	D
TGRSE	7/07/92	11DCLE	PC	LT	0.780	UGL	
TGRSE	7/07/92	11DCLE	PC	LT	0.780	UGL	D
TGRSE	8/04/92	11DCLE	PC	LT	0.780	UGL	
TGRSE	8/04/92	11DCLE	PC	LT	0.780	UGL	D
TGRSE	9/01/92	11DCLE	PC	LT	0.780	UGL	
TGRSE	9/01/92	11DCLE	PC	LT	0.780	UGL	D
TGRSE	3/03/92	124TCB	PC	ND	10.000	UGL	R
TGRSE	10/01/91	12DCE	PC	LT	0.500	UGL	
TGRSE	10/01/91	12DCE	PC	LT	0.500	UGL	
TGRSE	11/05/91	12DCE	PC	LT	0.500	UGL	
TGRSE	11/05/91	12DCE	PC	LT	0.500	UGL	D
TGRSE	12/04/91	12DCE	PC	LT	0.500	UGL	
TGRSE	12/04/91	12DCE	PC	LT	0.500	UGL	D
TGRSE	1/07/92	12DCE	PC	LT	0.500	UGL	
TGRSE	1/07/92	12DCE	PC	LT	0.500	UGL	D
TGRSE	2/04/92	12DCE	PC	LT	0.500	UGL	
TGRSE	2/04/92	12DCE	PC	LT	0.500	UGL	D

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	4/07/92	12DCE	PC	LT	0.500	UGL	
TGRSE	4/07/92	12DCE	PC	LT	0.500	UGL	D
TGRSE	5/05/92	12DCE	PC	LT	0.500	UGL	
TGRSE	5/05/92	12DCE	PC	LT	0.500	UGL	D
TGRSE	6/02/92	12DCE	PC	LT	0.500	UGL	
TGRSE	6/02/92	12DCE	PC	LT	0.500	UGL	D
TGRSE	7/07/92	12DCE	PC	LT	0.500	UGL	
TGRSE	7/07/92	12DCE	PC	LT	0.500	UGL	D
TGRSE	8/04/92	12DCE	PC	LT	0.500	UGL	
TGRSE	8/04/92	12DCE	PC	LT	0.500	UGL	D
TGRSE	9/01/92	12DCE	PC	LT	0.500	UGL	
TGRSE	9/01/92	12DCE	PC	LT	0.500	UGL	D
TGRSE	3/03/92	12DCLB	PC	ND	10.000	UGL	R
TGRSE	10/01/91	12DCLE	PC	LT	0.500	UGL	
TGRSE	10/01/91	12DCLE	PC	LT	0.500	UGL	
TGRSE	11/05/91	12DCLE	PC	LT	0.500	UGL	
TGRSE	11/05/91	12DCLE	PC	LT	0.500	UGL	D
TGRSE	12/04/91	12DCLE	PC	LT	0.500	UGL	
TGRSE	12/04/91	12DCLE	PC	LT	0.500	UGL	D
TGRSE	1/07/92	12DCLE	PC	LT	0.500	UGL	
TGRSE	1/07/92	12DCLE	PC	LT	0.500	UGL	D
TGRSE	2/04/92	12DCLE	PC	LT	0.500	UGL	
TGRSE	2/04/92	12DCLE	PC	LT	0.500	UGL	D
TGRSE	3/03/92	12DCLE	PC	ND	5.000	UGL	R
TGRSE	4/07/92	12DCLE	PC	LT	0.500	UGL	
TGRSE	4/07/92	12DCLE	PC	LT	0.500	UGL	D
TGRSE	5/05/92	12DCLE	PC	LT	0.500	UGL	
TGRSE	5/05/92	12DCLE	PC	LT	0.500	UGL	D
TGRSE	6/02/92	12DCLE	PC	LT	0.500	UGL	
TGRSE	6/02/92	12DCLE	PC	LT	0.500	UGL	D
TGRSE	7/07/92	12DCLE	PC	LT	0.500	UGL	
TGRSE	7/07/92	12DCLE	PC	LT	0.500	UGL	D
TGRSE	8/04/92	12DCLE	PC	LT	0.500	UGL	
TGRSE	8/04/92	12DCLE	PC	LT	0.500	UGL	D
TGRSE	9/01/92	12DCLE	PC	LT	0.500	UGL	
TGRSE	9/01/92	12DCLE	PC	LT	0.500	UGL	D
TGRSE	10/01/91	12DCLP	PC	LT	1.000	UGL	
TGRSE	10/01/91	12DCLP	PC	LT	1.000	UGL	
TGRSE	11/05/91	12DCLP	PC	LT	1.000	UGL	
TGRSE	11/05/91	12DCLP	PC	LT	1.000	UGL	D
TGRSE	12/04/91	12DCLP	PC	LT	1.000	UGL	
TGRSE	12/04/91	12DCLP	PC	LT	1.000	UGL	D
TGRSE	1/07/92	12DCLP	PC	LT	1.000	UGL	
TGRSE	1/07/92	12DCLP	PC	LT	1.000	UGL	D
TGRSE	2/04/92	12DCLP	PC	LT	1.000	UGL	
TGRSE	2/04/92	12DCLP	PC	LT	1.000	UGL	D
TGRSE	3/03/92	12DCLP	PC	ND	5.000	UGL	R
TGRSE	4/07/92	12DCLP	PC	LT	1.000	UGL	
TGRSE	4/07/92	12DCLP	PC	LT	1.000	UGL	D
TGRSE	5/05/92	12DCLP	PC	LT	1.000	UGL	
TGRSE	5/05/92	12DCLP	PC	LT	1.000	UGL	D
TGRSE	6/02/92	12DCLP	PC	LT	1.000	UGL	

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	6/02/92	12DCLP	PC	LT	1.000	UGL	D
TGRSE	7/07/92	12DCLP	PC	LT	1.000	UGL	
TGRSE	7/07/92	12DCLP	PC	LT	1.000	UGL	D
TGRSE	8/04/92	12DCLP	PC	LT	1.000	UGL	
TGRSE	8/04/92	12DCLP	PC	LT	1.000	UGL	D
TGRSE	9/01/92	12DCLP	PC	LT	1.000	UGL	
TGRSE	9/01/92	12DCLP	PC	LT	1.000	UGL	D
TGRSE	3/03/92	13DCLB	PC	ND	10.000	UGL	R
TGRSE	3/03/92	14DCLB	PC	ND	10.000	UGL	R
TGRSE	3/03/92	245TCP	PC	ND	50.000	UGL	R
TGRSE	3/03/92	246TCP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	24DCLP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	24DMPN	PC	ND	10.000	UGL	R
TGRSE	3/03/92	24DNP	PC	ND	50.000	UGL	R
TGRSE	3/03/92	24DNT	PC	ND	10.000	UGL	R
TGRSE	3/03/92	26DNT	PC	ND	10.000	UGL	R
TGRSE	3/03/92	2CLP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	2CNAP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	2MNAP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	2MP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	2NANIL	PC	ND	50.000	UGL	R
TGRSE	3/03/92	2NP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	33DCBD	PC	ND	20.000	UGL	R
TGRSE	3/03/92	3NANIL	PC	ND	50.000	UGL	R
TGRSE	3/03/92	46DN2C	PC	ND	50.000	UGL	R
TGRSE	3/03/92	4BRPPE	PC	ND	10.000	UGL	R
TGRSE	3/03/92	4CANIL	PC	ND	10.000	UGL	R
TGRSE	3/03/92	4CL3C	PC	ND	10.000	UGL	R
TGRSE	3/03/92	4CLPPE	PC	ND	10.000	UGL	R
TGRSE	3/03/92	4MP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	4NANIL	PC	ND	50.000	UGL	R
TGRSE	3/03/92	4NP	PC	ND	50.000	UGL	R
TGRSE	3/03/92	ACET	PC	ND	10.000	UGL	R
TGRSE	3/03/92	AG	PC	LT	12.500	UGL	
TGRSE	3/03/92	AL	PC	LT	107.000	UGL	
TGRSE	3/03/92	ANAPNE	PC	ND	10.000	UGL	R
TGRSE	3/03/92	ANAPYL	PC	ND	10.000	UGL	R
TGRSE	3/03/92	ANTRC	PC	ND	10.000	UGL	R
TGRSE	10/01/91	AS	PC	LT	6.010	UGL	
TGRSE	11/05/91	AS	PC	LT	6.010	UGL	
TGRSE	12/04/91	AS	PC	LT	6.010	UGL	
TGRSE	1/07/92	AS	PC	LT	6.010	UGL	
TGRSE	2/04/92	AS	PC	LT	6.010	UGL	
TGRSE	3/03/92	AS	PC	LT	6.010	UGL	
TGRSE	4/07/92	AS	PC	LT	6.010	UGL	
TGRSE	5/05/92	AS	PC	LT	6.010	UGL	
TGRSE	6/02/92	AS	PC	LT	6.010	UGL	
TGRSE	7/07/92	AS	PC	LT	6.010	UGL	
TGRSE	8/04/92	AS	PC	LT	6.010	UGL	
TGRSE	9/01/92	AS	PC	LT	6.010	UGL	
TGRSE	3/03/92	B2CEXM	PC	ND	10.000	UGL	R
TGRSE	3/03/92	B2CIPE	PC	ND	10.000	UGL	R

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	3/03/92	B2CLEE	PC	ND	10.000	UGL	R
TGRSE	3/03/92	B2EHP	PC	ND	10.000	UGL	R
TGRSE	10/01/91	BA	PC		116.000	UGL	
TGRSE	3/03/92	BA	PC		96.800	UGL	
TGRSE	3/03/92	BAANTR	PC	ND	10.000	UGL	R
TGRSE	3/03/92	BAPYR	PC	ND	10.000	UGL	R
TGRSE	3/03/92	BBFANT	PC	ND	10.000	UGL	R
TGRSE	3/03/92	BBZP	PC	ND	10.000	UGL	R
TGRSE	10/01/91	BE	PC	LT	2.500	UGL	
TGRSE	3/03/92	BE	PC	LT	2.500	UGL	
TGRSE	3/03/92	BENZOA	PC	ND	50.000	UGL	R
TGRSE	3/03/92	BGHIPY	PC	ND	10.000	UGL	R
TGRSE	3/03/92	BKFANT	PC	ND	10.000	UGL	R
TGRSE	3/03/92	BRDCLM	PC	ND	5.000	UGL	R
TGRSE	3/03/92	BZALC	PC	ND	10.000	UGL	R
TGRSE	3/03/92	C12DCE	PC	ND	5.000	UGL	R
TGRSE	3/03/92	C13DCP	PC	ND	5.000	UGL	R
TGRSE	10/01/91	C2H3CL	PC	LT	1.900	UGL	
TGRSE	10/01/91	C2H3CL	PC	LT	1.900	UGL	
TGRSE	11/05/91	C2H3CL	PC	LT	1.900	UGL	
TGRSE	11/05/91	C2H3CL	PC	LT	1.900	UGL	D
TGRSE	12/04/91	C2H3CL	PC	LT	1.900	UGL	
TGRSE	12/04/91	C2H3CL	PC	LT	1.900	UGL	D
TGRSE	1/07/92	C2H3CL	PC	LT	1.900	UGL	
TGRSE	1/07/92	C2H3CL	PC	LT	1.900	UGL	D
TGRSE	2/04/92	C2H3CL	PC	LT	1.900	UGL	
TGRSE	2/04/92	C2H3CL	PC	LT	1.900	UGL	D
TGRSE	3/03/92	C2H3CL	PC	ND	10.000	UGL	R
TGRSE	4/07/92	C2H3CL	PC	LT	1.900	UGL	
TGRSE	4/07/92	C2H3CL	PC	LT	1.900	UGL	D
TGRSE	5/05/92	C2H3CL	PC	LT	1.900	UGL	
TGRSE	5/05/92	C2H3CL	PC	LT	1.900	UGL	D
TGRSE	6/02/92	C2H3CL	PC	LT	1.900	UGL	
TGRSE	6/02/92	C2H3CL	PC	LT	1.900	UGL	D
TGRSE	7/07/92	C2H3CL	PC	LT	1.900	UGL	
TGRSE	7/07/92	C2H3CL	PC	LT	1.900	UGL	D
TGRSE	8/04/92	C2H3CL	PC	LT	1.900	UGL	
TGRSE	8/04/92	C2H3CL	PC	LT	1.900	UGL	D
TGRSE	9/01/92	C2H3CL	PC	LT	1.900	UGL	
TGRSE	9/01/92	C2H3CL	PC	LT	1.900	UGL	D
TGRSE	3/03/92	C2H5CL	PC	ND	10.000	UGL	R
TGRSE	3/03/92	C6H6	PC	ND	5.000	UGL	R
TGRSE	3/03/92	CA	PC		69000.000	UGL	
TGRSE	3/03/92	CCL3F	PC	ND	5.000	UGL	R
TGRSE	10/01/91	CCL4	PC	LT	1.300	UGL	
TGRSE	10/01/91	CCL4	PC	LT	1.300	UGL	
TGRSE	11/05/91	CCL4	PC	LT	1.300	UGL	
TGRSE	11/05/91	CCL4	PC	LT	1.300	UGL	D
TGRSE	12/04/91	CCL4	PC	LT	1.300	UGL	
TGRSE	12/04/91	CCL4	PC	LT	1.300	UGL	D
TGRSE	1/07/92	CCL4	PC	LT	1.300	UGL	
TGRSE	1/07/92	CCL4	PC	LT	1.300	UGL	D

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	2/04/92	CCL4	PC	LT	1.300	UGL	
TGRSE	2/04/92	CCL4	PC	LT	1.300	UGL	D
TGRSE	3/03/92	CCL4	PC	ND	5.000	UGL	R
TGRSE	4/07/92	CCL4	PC	LT	1.300	UGL	
TGRSE	4/07/92	CCL4	PC	LT	1.300	UGL	D
TGRSE	5/05/92	CCL4	PC	LT	1.300	UGL	
TGRSE	5/05/92	CCL4	PC	LT	1.300	UGL	D
TGRSE	6/02/92	CCL4	PC	LT	1.300	UGL	
TGRSE	6/02/92	CCL4	PC	LT	1.300	UGL	D
TGRSE	7/07/92	CCL4	PC	LT	1.300	UGL	
TGRSE	7/07/92	CCL4	PC	LT	1.300	UGL	D
TGRSE	8/04/92	CCL4	PC	LT	1.300	UGL	
TGRSE	8/04/92	CCL4	PC	LT	1.300	UGL	D
TGRSE	9/01/92	CCL4	PC	LT	1.300	UGL	
TGRSE	9/01/92	CCL4	PC	LT	1.300	UGL	D
TGRSE	10/01/91	CD	PC	LT	5.000	UGL	
TGRSE	11/05/91	CD	PC	LT	5.000	UGL	
TGRSE	12/04/91	CD	PC	LT	5.000	UGL	
TGRSE	1/09/92	CD	PC	LT	5.000	UGL	
TGRSE	2/04/92	CD	PC	LT	5.000	UGL	
TGRSE	3/03/92	CD	PC	LT	5.000	UGL	
TGRSE	4/07/92	CD	PC	LT	3.380	UGL	
TGRSE	5/05/92	CD	PC	LT	5.000	UGL	
TGRSE	6/02/92	CD	PC	LT	5.000	UGL	
TGRSE	7/07/92	CD	PC	LT	5.000	UGL	
TGRSE	10/01/91	CH2CL2	PC	LT	3.200	UGL	
TGRSE	10/01/91	CH2CL2	PC	LT	3.200	UGL	
TGRSE	11/05/91	CH2CL2	PC	LT	3.200	UGL	
TGRSE	11/05/91	CH2CL2	PC	LT	3.200	UGL	D
TGRSE	12/04/91	CH2CL2	PC	LT	3.200	UGL	
TGRSE	12/04/91	CH2CL2	PC	LT	3.200	UGL	D
TGRSE	1/07/92	CH2CL2	PC	LT	3.200	UGL	
TGRSE	1/07/92	CH2CL2	PC	LT	3.200	UGL	D
TGRSE	2/04/92	CH2CL2	PC	LT	3.200	UGL	
TGRSE	2/04/92	CH2CL2	PC	LT	3.200	UGL	D
TGRSE	3/03/92	CH2CL2	PC	ND	5.000	UGL	R
TGRSE	4/07/92	CH2CL2	PC	LT	3.200	UGL	
TGRSE	4/07/92	CH2CL2	PC	LT	3.200	UGL	D
TGRSE	5/05/92	CH2CL2	PC	LT	3.200	UGL	
TGRSE	5/05/92	CH2CL2	PC	LT	3.200	UGL	D
TGRSE	6/02/92	CH2CL2	PC	LT	3.200	UGL	
TGRSE	6/02/92	CH2CL2	PC	LT	3.200	UGL	D
TGRSE	7/07/92	CH2CL2	PC	LT	3.200	UGL	
TGRSE	7/07/92	CH2CL2	PC	LT	3.200	UGL	D
TGRSE	8/04/92	CH2CL2	PC	LT	3.200	UGL	
TGRSE	8/04/92	CH2CL2	PC	LT	3.200	UGL	D
TGRSE	9/01/92	CH2CL2	PC	LT	3.200	UGL	
TGRSE	9/01/92	CH2CL2	PC	LT	3.200	UGL	D
TGRSE	3/03/92	CH3BR	PC	ND	10.000	UGL	R
TGRSE	3/03/92	CH3CL	PC	ND	10.000	UGL	R
TGRSE	3/03/92	CHBR3	PC	ND	5.000	UGL	R
TGRSE	10/01/91	CHCL3	PC	LT	0.720	UGL	

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	10/01/91	CHCL3	PC	LT	0.720	UGL	
TGRSE	11/05/91	CHCL3	PC	LT	0.720	UGL	
TGRSE	11/05/91	CHCL3	PC	LT	0.720	UGL	D
TGRSE	12/04/91	CHCL3	PC	LT	0.720	UGL	
TGRSE	12/04/91	CHCL3	PC	LT	0.720	UGL	D
TGRSE	1/07/92	CHCL3	PC	LT	0.720	UGL	
TGRSE	1/07/92	CHCL3	PC	LT	0.720	UGL	D
TGRSE	2/04/92	CHCL3	PC	LT	0.720	UGL	
TGRSE	2/04/92	CHCL3	PC	LT	0.720	UGL	D
TGRSE	3/03/92	CHCL3	PC	ND	5.000	UGL	R
TGRSE	4/07/92	CHCL3	PC	LT	0.720	UGL	
TGRSE	4/07/92	CHCL3	PC	LT	0.720	UGL	D
TGRSE	5/05/92	CHCL3	PC	LT	0.720	UGL	
TGRSE	5/05/92	CHCL3	PC	LT	0.720	UGL	D
TGRSE	6/02/92	CHCL3	PC	LT	0.720	UGL	
TGRSE	6/02/92	CHCL3	PC	LT	0.720	UGL	D
TGRSE	7/07/92	CHCL3	PC	LT	0.720	UGL	
TGRSE	7/07/92	CHCL3	PC	LT	0.720	UGL	D
TGRSE	8/04/92	CHCL3	PC	LT	0.720	UGL	
TGRSE	8/04/92	CHCL3	PC	LT	0.720	UGL	D
TGRSE	9/01/92	CHCL3	PC	LT	0.720	UGL	
TGRSE	9/01/92	CHCL3	PC	LT	0.720	UGL	D
TGRSE	3/03/92	CHRY	PC	ND	10.000	UGL	R
TGRSE	3/03/92	CL6BZ	PC	ND	10.000	UGL	R
TGRSE	3/03/92	CL6CP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	CL6ET	PC	ND	10.000	UGL	R
TGRSE	3/03/92	CLC6H5	PC	ND	5.000	UGL	R
TGRSE	10/01/91	CO	PC	LT	25.000	UGL	
TGRSE	3/03/92	CO	PC	LT	25.000	UGL	
TGRSE	10/01/91	CR	PC	LT	15.000	UGL	
TGRSE	11/05/91	CR	PC	LT	15.000	UGL	
TGRSE	12/04/91	CR	PC	LT	15.000	UGL	
TGRSE	1/09/92	CR	PC	LT	15.000	UGL	
TGRSE	2/04/92	CR	PC	LT	15.000	UGL	
TGRSE	3/03/92	CR	PC	LT	15.000	UGL	
TGRSE	4/07/92	CR	PC	LT	142.000	UGL	
TGRSE	5/05/92	CR	PC	LT	15.000	UGL	
TGRSE	6/02/92	CR	PC	LT	15.000	UGL	
TGRSE	7/07/92	CR	PC	LT	15.000	UGL	
TGRSE	3/03/92	CS2	PC	ND	5.000	UGL	R
TGRSE	10/01/91	CU	PC	LT	20.000	UGL	
TGRSE	11/05/91	CU	PC		65.300	UGL	
TGRSE	12/04/91	CU	PC		35.100	UGL	
TGRSE	1/09/92	CU	PC	LT	20.000	UGL	
TGRSE	2/04/92	CU	PC	LT	20.000	UGL	
TGRSE	3/03/92	CU	PC	LT	20.000	UGL	
TGRSE	4/07/92	CU	PC	LT	138.000	UGL	
TGRSE	5/05/92	CU	PC		25.100	UGL	
TGRSE	6/02/92	CU	PC		32.100	UGL	
TGRSE	7/07/92	CU	PC	LT	20.000	UGL	
TGRSE	10/01/91	CYN	PC	LT	8.170	UGL	
TGRSE	11/05/91	CYN	PC	LT	8.170	UGL	

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	11/05/91	CYN	PC	LT	8.170	UGL	D
TGRSE	12/04/91	CYN	PC		10.300	UGL	
TGRSE	3/03/92	CYN	PC	LT	8.170	UGL	
TGRSE	3/03/92	DBAHA	PC	ND	10.000	UGL	R
TGRSE	3/03/92	DBRCLM	PC	ND	5.000	UGL	R
TGRSE	3/03/92	DBZFUR	PC	ND	10.000	UGL	R
TGRSE	3/03/92	DEP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	DMP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	DNBP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	DNOP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	ETC6H5	PC	ND	5.000	UGL	R
TGRSE	3/03/92	FANT	PC	ND	10.000	UGL	R
TGRSE	3/03/92	FE	PC		1640.000	UGL	
TGRSE	3/03/92	FLRENE	PC	ND	10.000	UGL	R
TGRSE	11/05/91	HARD	PC		258000.000	UGL	
TGRSE	3/03/92	HCBD	PC	ND	10.000	UGL	R
TGRSE	10/01/91	HG	PC	LT	0.740	UGL	
TGRSE	11/05/91	HG	PC	LT	0.740	UGL	
TGRSE	12/04/91	HG	PC	LT	0.740	UGL	
TGRSE	1/07/92	HG	PC	LT	0.740	UGL	
TGRSE	2/04/92	HG	PC	LT	0.740	UGL	
TGRSE	3/03/92	HG	PC	LT	0.740	UGL	
TGRSE	4/07/92	HG	PC	LT	0.740	UGL	
TGRSE	5/05/92	HG	PC	LT	0.740	UGL	
TGRSE	6/02/92	HG	PC	LT	0.740	UGL	
TGRSE	8/04/92	HG	PC	LT	0.740	UGL	
TGRSE	9/01/92	HG	PC	LT	0.740	UGL	
TGRSE	3/03/92	ICDPYR	PC	ND	10.000	UGL	R
TGRSE	3/03/92	ISOPHR	PC	ND	10.000	UGL	R
TGRSE	3/03/92	K	PC		2190.000	UGL	
TGRSE	3/03/92	MEC6H5	PC	ND	5.000	UGL	R
TGRSE	3/03/92	MEK	PC	ND	10.000	UGL	R
TGRSE	3/03/92	MG	PC		24800.000	UGL	
TGRSE	3/03/92	MIBK	PC	ND	10.000	UGL	R
TGRSE	3/03/92	MN	PC		771.000	UGL	
TGRSE	3/03/92	MNBK	PC	ND	10.000	UGL	R
TGRSE	3/03/92	MO	PC	LT	30.900	UGL	
TGRSE	3/03/92	NA	PC		7460.000	UGL	
TGRSE	3/03/92	NAP	PC	ND	10.000	UGL	R
TGRSE	3/03/92	NB	PC	ND	10.000	UGL	R
TGRSE	10/01/91	NI	PC	LT	5.320	UGL	
TGRSE	10/01/91	NI	PC	LT	63.100	UGL	
TGRSE	11/04/91	NI	PC	LT	5.320	UGL	
TGRSE	12/04/91	NI	PC	LT	5.320	UGL	
TGRSE	1/07/92	NI	PC	LT	5.320	UGL	
TGRSE	2/04/92	NI	PC	LT	5.320	UGL	
TGRSE	3/03/92	NI	PC	LT	5.320	UGL	
TGRSE	3/03/92	NI	PC	LT	63.100	UGL	
TGRSE	4/07/92	NI	PC	LT	5.320	UGL	
TGRSE	5/05/92	NI	PC	LT	5.320	UGL	
TGRSE	6/02/92	NI	PC	LT	5.320	UGL	
TGRSE	7/07/92	NI	PC	LT	5.320	UGL	

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	10/01/91	NIT	PC		344.000	UGL	
TGRSE	11/04/91	NIT	PC		326.000	UGL	
TGRSE	12/04/91	NIT	PC		317.000	UGL	
TGRSE	3/03/92	NNDNPA	PC	ND	10.000	UGL	R
TGRSE	3/03/92	NNDPA	PC	ND	10.000	UGL	R
TGRSE	10/01/91	PB	PC	LT	1.260	UGL	
TGRSE	10/01/91	PB	PC	LT	100.000	UGL	
TGRSE	11/05/91	PB	PC	LT	1.260	UGL	
TGRSE	12/04/91	PB	PC	LT	1.260	UGL	
TGRSE	1/07/92	PB	PC	LT	1.260	UGL	
TGRSE	2/04/92	PB	PC	LT	1.260	UGL	
TGRSE	3/03/92	PB	PC	LT	1.260	UGL	
TGRSE	3/03/92	PB	PC	LT	100.000	UGL	
TGRSE	4/07/92	PB	PC	LT	1.260	UGL	
TGRSE	5/05/92	PB	PC		1.540	UGL	
TGRSE	6/02/92	PB	PC	LT	1.260	UGL	
TGRSE	7/07/92	PB	PC	LT	1.260	UGL	
TGRSE	7/16/92	PB	PC	LT	1.260	UGL	
TGRSE	7/16/92	PB	PC	LT	1.260	UGL	D
TGRSE	7/21/92	PB	PC	LT	1.260	UGL	
TGRSE	8/04/92	PB	PC	LT	1.260	UGL	
TGRSE	9/01/92	PB	PC	LT	1.260	UGL	
TGRSE	3/03/92	PCP	PC	ND	50.000	UGL	R
TGRSE	3/03/92	PHANTR	PC	ND	10.000	UGL	R
TGRSE	3/03/92	PHENOL	PC	ND	10.000	UGL	R
TGRSE	10/01/91	PO4ORT	PC		36.000	UGL	
TGRSE	11/04/91	PO4ORT	PC		29.500	UGL	
TGRSE	12/04/91	PO4ORT	PC		29.600	UGL	
TGRSE	1/07/92	PO4ORT	PC		34.400	UGL	
TGRSE	2/04/92	PO4ORT	PC		41.200	UGL	
TGRSE	3/03/92	PO4ORT	PC		37.400	UGL	
TGRSE	4/07/92	PO4ORT	PC		41.800	UGL	L
TGRSE	5/05/92	PO4ORT	PC		31.400	UGL	
TGRSE	6/02/92	PO4ORT	PC		35.200	UGL	
TGRSE	7/07/92	PO4ORT	PC		33.500	UGL	
TGRSE	8/04/92	PO4ORT	PC		54.400	UGL	
TGRSE	9/01/92	PO4ORT	PC		31.100	UGL	
TGRSE	3/03/92	PYR	PC	ND	10.000	UGL	R
TGRSE	10/01/91	SB	PC	LT	37.100	UGL	
TGRSE	3/03/92	SB	PC	LT	37.100	UGL	
TGRSE	10/01/91	SE	PC	LT	75.000	UGL	
TGRSE	3/03/92	SE	PC	LT	14.900	UGL	
TGRSE	3/03/92	SE	PC	LT	75.000	UGL	
TGRSE	8/04/92	SE	PC	LT	14.900	UGL	
TGRSE	9/01/92	SE	PC	LT	14.900	UGL	
TGRSE	3/03/92	STYR	PC	ND	5.000	UGL	R
TGRSE	10/01/91	T12DCE	PC	ND	0.300	UGL	R
TGRSE	10/01/91	T12DCE	PC	ND	0.300	UGL	R
TGRSE	11/05/91	T12DCE	PC	ND	0.300	UGL	D
TGRSE	11/05/91	T12DCE	PC	ND	0.300	UGL	R
TGRSE	12/04/91	T12DCE	PC	ND	0.300	UGL	R
TGRSE	12/04/91	T12DCE	PC	ND	0.300	UGL	R

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	3/03/92	T12DCE	PC	ND	5.000	UGL	R
TGRSE	4/07/92	T12DCE	PC	ND	50.000	UGL	T
TGRSE	4/07/92	T12DCE	PC	ND	50.000	UGL	T
TGRSE	5/05/92	T12DCE	PC	ND	0.500	UGL	R
TGRSE	5/05/92	T12DCE	PC	ND	0.500	UGL	R
TGRSE	6/02/92	T12DCE	PC	ND	0.300	UGL	T
TGRSE	6/02/92	T12DCE	PC	ND	0.300	UGL	T
TGRSE	7/07/92	T12DCE	PC	ND	0.300	UGL	T
TGRSE	7/07/92	T12DCE	PC	ND	0.300	UGL	T
TGRSE	8/04/92	T12DCE	PC	ND	0.050	UGL	T
TGRSE	8/04/92	T12DCE	PC	ND	0.050	UGL	T
TGRSE	9/01/92	T12DCE	PC	ND	0.300	UGL	T
TGRSE	9/01/92	T12DCE	PC	ND	0.300	UGL	T
TGRSE	3/03/92	T13DCP	PC	ND	5.000	UGL	R
TGRSE	3/03/92	TCLEA	PC	ND	5.000	UGL	R
TGRSE	10/01/91	TCLEE	PC	LT	1.000	UGL	
TGRSE	10/01/91	TCLEE	PC	LT	1.000	UGL	
TGRSE	11/05/91	TCLEE	PC	LT	1.000	UGL	
TGRSE	11/05/91	TCLEE	PC	LT	1.000	UGL	D
TGRSE	12/04/91	TCLEE	PC	LT	1.000	UGL	
TGRSE	12/04/91	TCLEE	PC	LT	1.000	UGL	D
TGRSE	1/07/92	TCLEE	PC	LT	1.000	UGL	
TGRSE	1/07/92	TCLEE	PC	LT	1.000	UGL	D
TGRSE	2/04/92	TCLEE	PC	LT	1.000	UGL	
TGRSE	2/04/92	TCLEE	PC	LT	1.000	UGL	D
TGRSE	3/03/92	TCLEE	PC	ND	5.000	UGL	R
TGRSE	4/07/92	TCLEE	PC	LT	1.000	UGL	
TGRSE	4/07/92	TCLEE	PC	LT	1.000	UGL	D
TGRSE	5/05/92	TCLEE	PC	LT	1.000	UGL	
TGRSE	5/05/92	TCLEE	PC	LT	1.000	UGL	D
TGRSE	6/02/92	TCLEE	PC	LT	1.000	UGL	
TGRSE	6/02/92	TCLEE	PC	LT	1.000	UGL	D
TGRSE	7/07/92	TCLEE	PC	LT	1.000	UGL	
TGRSE	7/07/92	TCLEE	PC	LT	1.000	UGL	D
TGRSE	8/04/92	TCLEE	PC	LT	1.000	UGL	
TGRSE	8/04/92	TCLEE	PC	LT	1.000	UGL	D
TGRSE	9/01/92	TCLEE	PC	LT	1.000	UGL	
TGRSE	9/01/92	TCLEE	PC	LT	1.000	UGL	D
TGRSE	10/01/91	TCLTFE	PC	LT	1.000	UGL	
TGRSE	10/01/91	TCLTFE	PC	LT	1.000	UGL	
TGRSE	11/05/91	TCLTFE	PC	LT	1.000	UGL	
TGRSE	11/05/91	TCLTFE	PC	LT	1.000	UGL	D
TGRSE	12/04/91	TCLTFE	PC	LT	1.000	UGL	
TGRSE	12/04/91	TCLTFE	PC	LT	1.000	UGL	D
TGRSE	1/07/92	TCLTFE	PC	LT	1.000	UGL	
TGRSE	1/07/92	TCLTFE	PC	LT	1.000	UGL	D
TGRSE	2/04/92	TCLTFE	PC	LT	1.000	UGL	
TGRSE	2/04/92	TCLTFE	PC	LT	1.000	UGL	D
TGRSE	4/07/92	TCLTFE	PC	LT	1.000	UGL	
TGRSE	4/07/92	TCLTFE	PC	LT	1.000	UGL	D
TGRSE	5/05/92	TCLTFE	PC	LT	1.000	UGL	
TGRSE	5/05/92	TCLTFE	PC	LT	1.000	UGL	D

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	6/02/92	TCLTFE	PC	LT	1.000	UGL	
TGRSE	6/02/92	TCLTFE	PC	LT	1.000	UGL	D
TGRSE	7/07/92	TCLTFE	PC	LT	1.000	UGL	
TGRSE	7/07/92	TCLTFE	PC	LT	1.000	UGL	D
TGRSE	8/04/92	TCLTFE	PC	LT	1.000	UGL	
TGRSE	8/04/92	TCLTFE	PC	LT	1.000	UGL	D
TGRSE	9/01/92	TCLTFE	PC	LT	1.000	UGL	
TGRSE	9/01/92	TCLTFE	PC	LT	1.000	UGL	D
TGRSE	10/01/91	TL	PC	LT	100.000	UGL	
TGRSE	3/03/92	TL	PC	LT	100.000	UGL	
TGRSE	3/03/92	TL	PC	LT	2.500	UGL	
TGRSE	8/04/92	TL	PC	LT	2.500	UGL	
TGRSE	9/01/92	TL	PC	LT	2.500	UGL	
TGRSE	10/01/91	TPO4	PC		68.600	UGL	
TGRSE	11/04/91	TPO4	PC		1000.000	UGL	
TGRSE	11/04/91	TPO4	PC		1500.000	UGL	
TGRSE	12/04/91	TPO4	PC		42.800	UGL	
TGRSE	1/07/92	TPO4	PC		53.200	UGL	
TGRSE	2/04/92	TPO4	PC		63.400	UGL	
TGRSE	3/03/92	TPO4	PC		33.600	UGL	
TGRSE	4/07/92	TPO4	PC		240.000	UGL	
TGRSE	5/05/92	TPO4	PC		50.700	UGL	
TGRSE	6/02/92	TPO4	PC		190.000	UGL	
TGRSE	7/07/92	TPO4	PC		83.600	UGL	
TGRSE	8/04/92	TPO4	PC		110.000	UGL	L
TGRSE	9/01/92	TPO4	PC		58.000	UGL	L
TGRSE	10/01/91	TRCLE	PC		0.690	UGL	
TGRSE	10/01/91	TRCLE	PC		0.704	UGL	
TGRSE	11/05/91	TRCLE	PC		0.710	UGL	D
TGRSE	11/05/91	TRCLE	PC		0.883	UGL	
TGRSE	12/04/91	TRCLE	PC		0.812	UGL	
TGRSE	12/04/91	TRCLE	PC		0.913	UGL	D
TGRSE	1/07/92	TRCLE	PC		0.807	UGL	D
TGRSE	1/07/92	TRCLE	PC		0.823	UGL	
TGRSE	2/04/92	TRCLE	PC		0.777	UGL	D
TGRSE	2/04/92	TRCLE	PC		0.853	UGL	
TGRSE	3/03/92	TRCLE	PC	ND	5.000	UGL	R
TGRSE	4/07/92	TRCLE	PC		1.120	UGL	
TGRSE	4/07/92	TRCLE	PC		1.300	UGL	D
TGRSE	5/05/92	TRCLE	PC	LT	0.500	UGL	
TGRSE	5/05/92	TRCLE	PC	LT	0.500	UGL	D
TGRSE	6/02/92	TRCLE	PC		0.549	UGL	
TGRSE	6/02/92	TRCLE	PC		0.569	UGL	D
TGRSE	7/07/92	TRCLE	PC		0.950	UGL	
TGRSE	7/07/92	TRCLE	PC		0.968	UGL	D
TGRSE	8/04/92	TRCLE	PC	LT	0.500	UGL	
TGRSE	8/04/92	TRCLE	PC	LT	0.500	UGL	D
TGRSE	9/01/92	TRCLE	PC		0.731	UGL	D
TGRSE	9/01/92	TRCLE	PC		0.788	UGL	
TGRSE	3/03/92	TXYLEN	PC	ND	5.000	UGL	R
TGRSE	3/03/92	V	PC	LT	20.000	UGL	
TGRSE	10/01/91	ZN	PC		124.000	UGL	

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSE	11/05/91	ZN	PC		144.000	UGL	
TGRSE	12/04/91	ZN	PC		111.000	UGL	
TGRSE	1/09/92	ZN	PC		19.300	UGL	
TGRSE	2/04/92	ZN	PC		19.300	UGL	
TGRSE	3/03/92	ZN	PC		29.500	UGL	
TGRSE	4/07/92	ZN	PC		19.400	UGL	
TGRSE	5/05/92	ZN	PC		63.100	UGL	
TGRSE	6/02/92	ZN	PC		101.000	UGL	
TGRSE	7/07/92	ZN	PC		33.600	UGL	
TGRSI	10/01/91	111TCE	PC		395.000	UGL	
TGRSI	11/05/91	111TCE	PC		470.000	UGL	
TGRSI	12/04/91	111TCE	PC		410.000	UGL	
TGRSI	1/07/92	111TCE	PC		410.000	UGL	
TGRSI	2/04/92	111TCE	PC		430.000	UGL	
TGRSI	3/03/92	111TCE	PC		560.000	UGL	
TGRSI	4/07/92	111TCE	PC		510.000	UGL	
TGRSI	5/05/92	111TCE	PC		360.000	UGL	
TGRSI	6/02/92	111TCE	PC		350.000	UGL	
TGRSI	7/07/92	111TCE	PC		330.000	UGL	
TGRSI	8/04/92	111TCE	PC		210.000	UGL	
TGRSI	9/01/92	111TCE	PC		450.000	UGL	
TGRSI	10/01/91	112TCE	PC	LT	50.000	UGL	
TGRSI	11/05/91	112TCE	PC		1.890	UGL	
TGRSI	12/04/91	112TCE	PC	LT	100.000	UGL	
TGRSI	1/07/92	112TCE	PC	LT	20.000	UGL	
TGRSI	2/04/92	112TCE	PC	LT	20.000	UGL	
TGRSI	3/03/92	112TCE	PC	LT	200.000	UGL	
TGRSI	4/07/92	112TCE	PC	LT	25.000	UGL	
TGRSI	5/05/92	112TCE	PC	LT	10.000	UGL	
TGRSI	6/02/92	112TCE	PC		1.720	UGL	
TGRSI	7/07/92	112TCE	PC	LT	50.000	UGL	
TGRSI	8/04/92	112TCE	PC	LT	50.000	UGL	N
TGRSI	9/01/92	112TCE	PC	LT	50.000	UGL	
TGRSI	10/01/91	11DCE	PC	LT	50.000	UGL	
TGRSI	11/05/91	11DCE	PC		40.000	UGL	
TGRSI	12/04/91	11DCE	PC	LT	100.000	UGL	
TGRSI	1/07/92	11DCE	PC		30.000	UGL	
TGRSI	2/04/92	11DCE	PC		22.000	UGL	
TGRSI	3/03/92	11DCE	PC	LT	200.000	UGL	
TGRSI	4/07/92	11DCE	PC		38.000	UGL	
TGRSI	5/05/92	11DCE	PC		45.000	UGL	
TGRSI	6/02/92	11DCE	PC		43.400	UGL	
TGRSI	7/07/92	11DCE	PC	LT	50.000	UGL	
TGRSI	8/04/92	11DCE	PC	LT	50.000	UGL	
TGRSI	9/01/92	11DCE	PC		92.000	UGL	
TGRSI	10/01/91	11DCLE	PC	LT	39.000	UGL	
TGRSI	11/05/91	11DCLE	PC		30.800	UGL	
TGRSI	12/04/91	11DCLE	PC	LT	78.000	UGL	
TGRSI	1/07/92	11DCLE	PC		32.000	UGL	
TGRSI	2/04/92	11DCLE	PC		30.000	UGL	
TGRSI	3/03/92	11DCLE	PC	LT	160.000	UGL	
TGRSI	4/07/92	11DCLE	PC		45.000	UGL	

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSI	5/05/92	11DCLE	PC		31.000	UGL	
TGRSI	6/02/92	11DCLE	PC		32.400	UGL	
TGRSI	7/07/92	11DCLE	PC	LT	39.000	UGL	
TGRSI	8/04/92	11DCLE	PC	LT	39.000	UGL	
TGRSI	9/01/92	11DCLE	PC	LT	39.000	UGL	
TGRSI	10/01/91	12DCE	PC	LT	25.000	UGL	
TGRSI	11/05/91	12DCE	PC		12.500	UGL	
TGRSI	12/04/91	12DCE	PC	LT	50.000	UGL	
TGRSI	1/07/92	12DCE	PC		15.000	UGL	
TGRSI	2/04/92	12DCE	PC		16.000	UGL	
TGRSI	3/03/92	12DCE	PC	LT	100.000	UGL	
TGRSI	4/07/92	12DCE	PC		20.000	UGL	
TGRSI	5/05/92	12DCE	PC		13.000	UGL	
TGRSI	6/02/92	12DCE	PC		13.100	UGL	
TGRSI	7/07/92	12DCE	PC	LT	25.000	UGL	
TGRSI	8/04/92	12DCE	PC	LT	25.000	UGL	
TGRSI	9/01/92	12DCE	PC	LT	25.000	UGL	
TGRSI	10/01/91	12DCLE	PC	LT	25.000	UGL	
TGRSI	11/05/91	12DCLE	PC		2.030	UGL	
TGRSI	12/04/91	12DCLE	PC	LT	50.000	UGL	
TGRSI	1/07/92	12DCLE	PC	LT	10.000	UGL	
TGRSI	2/04/92	12DCLE	PC	LT	10.000	UGL	
TGRSI	3/03/92	12DCLE	PC	LT	100.000	UGL	
TGRSI	4/07/92	12DCLE	PC	LT	12.000	UGL	
TGRSI	5/05/92	12DCLE	PC	LT	5.000	UGL	
TGRSI	6/02/92	12DCLE	PC		2.020	UGL	
TGRSI	7/07/92	12DCLE	PC	LT	25.000	UGL	
TGRSI	8/04/92	12DCLE	PC	LT	25.000	UGL	
TGRSI	9/01/92	12DCLE	PC	LT	25.000	UGL	
TGRSI	10/01/91	12DCLP	PC	LT	50.000	UGL	
TGRSI	11/05/91	12DCLP	PC	LT	1.000	UGL	
TGRSI	12/04/91	12DCLP	PC	LT	100.000	UGL	
TGRSI	1/07/92	12DCLP	PC	LT	20.000	UGL	
TGRSI	2/04/92	12DCLP	PC	LT	20.000	UGL	
TGRSI	3/03/92	12DCLP	PC	LT	200.000	UGL	
TGRSI	4/07/92	12DCLP	PC	LT	25.000	UGL	
TGRSI	5/05/92	12DCLP	PC	LT	10.000	UGL	
TGRSI	6/02/92	12DCLP	PC	LT	1.000	UGL	
TGRSI	7/07/92	12DCLP	PC	LT	50.000	UGL	
TGRSI	8/04/92	12DCLP	PC	LT	50.000	UGL	
TGRSI	9/01/92	12DCLP	PC	LT	50.000	UGL	
TGRSI	10/01/91	C2H3CL	PC	LT	95.000	UGL	
TGRSI	11/05/91	C2H3CL	PC	LT	1.900	UGL	
TGRSI	12/04/91	C2H3CL	PC	LT	190.000	UGL	
TGRSI	1/07/92	C2H3CL	PC	LT	38.000	UGL	
TGRSI	2/04/92	C2H3CL	PC	LT	38.000	UGL	
TGRSI	3/03/92	C2H3CL	PC	LT	380.000	UGL	
TGRSI	4/07/92	C2H3CL	PC	LT	48.000	UGL	
TGRSI	5/05/92	C2H3CL	PC	LT	19.000	UGL	
TGRSI	6/02/92	C2H3CL	PC	LT	1.900	UGL	
TGRSI	7/07/92	C2H3CL	PC	LT	95.000	UGL	
TGRSI	8/04/92	C2H3CL	PC	LT	95.000	UGL	

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSI	9/01/92	C2H3CL	PC	LT	95.000	UGL	
TGRSI	10/01/91	CCL4	PC	LT	65.000	UGL	
TGRSI	11/05/91	CCL4	PC	LT	1.300	UGL	
TGRSI	12/04/91	CCL4	PC	LT	130.000	UGL	
TGRSI	1/07/92	CCL4	PC	LT	26.000	UGL	
TGRSI	2/04/92	CCL4	PC	LT	26.000	UGL	
TGRSI	3/03/92	CCL4	PC	LT	260.000	UGL	
TGRSI	4/07/92	CCL4	PC	LT	32.000	UGL	
TGRSI	5/05/92	CCL4	PC	LT	13.000	UGL	
TGRSI	6/02/92	CCL4	PC	LT	1.300	UGL	
TGRSI	7/07/92	CCL4	PC	LT	65.000	UGL	
TGRSI	8/04/92	CCL4	PC	LT	65.000	UGL	
TGRSI	9/01/92	CCL4	PC	LT	65.000	UGL	
TGRSI	10/01/91	CH2CL2	PC	LT	160.000	UGL	
TGRSI	11/05/91	CH2CL2	PC	LT	3.200	UGL	
TGRSI	12/04/91	CH2CL2	PC	LT	320.000	UGL	
TGRSI	1/07/92	CH2CL2	PC	LT	64.000	UGL	
TGRSI	2/04/92	CH2CL2	PC	LT	64.000	UGL	
TGRSI	3/03/92	CH2CL2	PC	LT	640.000	UGL	
TGRSI	4/07/92	CH2CL2	PC	LT	80.000	UGL	
TGRSI	5/05/92	CH2CL2	PC	LT	32.000	UGL	
TGRSI	6/02/92	CH2CL2	PC	LT	3.200	UGL	
TGRSI	7/07/92	CH2CL2	PC	LT	160.000	UGL	
TGRSI	8/04/92	CH2CL2	PC	LT	160.000	UGL	
TGRSI	9/01/92	CH2CL2	PC	LT	160.000	UGL	
TGRSI	10/01/91	CHCL3	PC	LT	36.000	UGL	
TGRSI	11/05/91	CHCL3	PC		1.400	UGL	
TGRSI	12/04/91	CHCL3	PC	LT	72.000	UGL	
TGRSI	1/07/92	CHCL3	PC	LT	14.000	UGL	
TGRSI	2/04/92	CHCL3	PC	LT	14.000	UGL	
TGRSI	3/03/92	CHCL3	PC	LT	140.000	UGL	
TGRSI	4/07/92	CHCL3	PC	LT	18.000	UGL	
TGRSI	5/05/92	CHCL3	PC	LT	7.200	UGL	
TGRSI	6/02/92	CHCL3	PC		1.160	UGL	
TGRSI	7/07/92	CHCL3	PC	LT	36.000	UGL	
TGRSI	8/04/92	CHCL3	PC	LT	36.000	UGL	
TGRSI	9/01/92	CHCL3	PC	LT	36.000	UGL	
TGRSI	10/01/91	T12DCE	PC	ND	15.000	UGL	R
TGRSI	11/05/91	T12DCE	PC	ND	0.300	UGL	R
TGRSI	12/04/91	T12DCE	PC	ND	30.000	UGL	R
TGRSI	3/03/92	T12DCE	PC	ND	200.000	UGL	T
TGRSI	4/07/92	T12DCE	PC	ND	1200.000	UGL	T
TGRSI	5/05/92	T12DCE	PC	ND	5.000	UGL	R
TGRSI	6/02/92	T12DCE	PC	ND	0.300	UGL	T
TGRSI	7/07/92	T12DCE	PC	ND	15.000	UGL	T
TGRSI	8/04/92	T12DCE	PC	ND	2.500	UGL	T
TGRSI	9/01/92	T12DCE	PC	ND	15.000	UGL	T
TGRSI	10/01/91	TCLEE	PC	LT	50.000	UGL	
TGRSI	11/05/91	TCLEE	PC		2.650	UGL	
TGRSI	12/04/91	TCLEE	PC	LT	100.000	UGL	
TGRSI	1/07/92	TCLEE	PC	LT	20.000	UGL	
TGRSI	2/04/92	TCLEE	PC	LT	20.000	UGL	

Location	Date	Chemical	Lab	Lt	Conc	Units	Qual
TGRSI	3/03/92	TCLEE	PC	LT	200.000	UGL	
TGRSI	4/07/92	TCLEE	PC	LT	25.000	UGL	
TGRSI	5/05/92	TCLEE	PC	LT	10.000	UGL	
TGRSI	6/02/92	TCLEE	PC		1.990	UGL	
TGRSI	7/07/92	TCLEE	PC	LT	50.000	UGL	
TGRSI	8/04/92	TCLEE	PC	LT	50.000	UGL	
TGRSI	9/01/92	TCLEE	PC	LT	50.000	UGL	
TGRSI	10/01/91	TCLTFE	PC	LT	50.000	UGL	
TGRSI	11/05/91	TCLTFE	PC		2.130	UGL	
TGRSI	12/04/91	TCLTFE	PC	LT	100.000	UGL	
TGRSI	1/07/92	TCLTFE	PC	LT	20.000	UGL	
TGRSI	2/04/92	TCLTFE	PC	LT	20.000	UGL	
TGRSI	3/03/92	TCLTFE	PC	LT	200.000	UGL	
TGRSI	4/07/92	TCLTFE	PC	LT	25.000	UGL	
TGRSI	5/05/92	TCLTFE	PC	LT	10.000	UGL	
TGRSI	6/02/92	TCLTFE	PC		2.620	UGL	
TGRSI	7/07/92	TCLTFE	PC	LT	50.000	UGL	
TGRSI	8/04/92	TCLTFE	PC	LT	50.000	UGL	
TGRSI	9/01/92	TCLTFE	PC	LT	50.000	UGL	
TGRSI	10/01/91	TRCLE	PC		1650.000	UGL	
TGRSI	11/05/91	TRCLE	PC		1700.000	UGL	
TGRSI	12/04/91	TRCLE	PC		1600.000	UGL	
TGRSI	1/07/92	TRCLE	PC		1700.000	UGL	
TGRSI	2/04/92	TRCLE	PC		1700.000	UGL	
TGRSI	3/03/92	TRCLE	PC		1700.000	UGL	
TGRSI	4/07/92	TRCLE	PC		1900.000	UGL	
TGRSI	5/05/92	TRCLE	PC		1400.000	UGL	
TGRSI	6/02/92	TRCLE	PC		1700.000	UGL	
TGRSI	7/07/92	TRCLE	PC		1700.000	UGL	
TGRSI	8/04/92	TRCLE	PC		1200.000	UGL	
TGRSI	9/01/92	TRCLE	PC		1700.000	UGL	

APPENDIX H

Appendix H

TGRS Operational Data

Appendix H.1

1992 TGRS Monthly Flow Reports

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: OCTOBER 1991

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
09/30/91	157630400	3812100	3738200	157664200	92518400	322694200	222306800	194551100	129072200	194374700	292330700	3251800	634400	96642400	85521000	184671700
10/01/91	157879600	4106600	4023800	157941400	92805100	323067300	222731600	194716400	129277300	194723700	292477400	3497900	677800	96777300	85576900	184810800
10/02/91	158175600	4458300	4363600	158272500	93146700	323513800	223241000	194914500	129517100	195139300	292651400	3792900	735000	96937400	85643500	184976200
10/03/91	158391300	4715500	4616600	158515300	93397100	323841600	223614600	195059900	129694200	195444000	292778200	4009500	780100	97054000	85692000	185096500
10/04/91	158636200	5008600	4899600	158791100	93682500	324213400	224036300	195225000	129897300	195792300	292923700	4255400	833300	97188200	85747800	185235300
10/05/91	158901200	5328100	5206600	159091800	93995300	324619400	224497400	195405100	130118200	196170200	293082600	4524300	892600	97333500	85808200	185385800
10/06/91	159129200	5604600	5470700	159350400	94264700	324967400	224891300	195559900	130312500	196497400	293220100	4754200	946200	97459900	85860500	185517600
10/07/91	159329000	5845700	5713200	159572300	94503100	325276200	225242700	195696300	130484000	196789400	293339100	4958700	980600	97567800	85905500	185629800
10/08/91	159581500	6155000	6021200	159858700	94806300	325668800	225688200	195870300	130702500	197158300	293491800	5218000	1028400	97707400	85963400	185775200
10/09/91	159828400	6460600	6326800	160142100	95106800	326058000	226130300	196042700	130917100	197522300	293645000	5475200	1081100	97845300	86020500	185919000
10/10/91	159988000	6770700	6645900	160429000	95406900	326450900	226574100	196218300	131134600	197890300	293798300	5736200	1134400	97985300	86079400	186064900
10/11/91	159988000	7069200	6933800	160704300	95688000	326823000	226988000	196388100	131338000	198234800	293942500	5985400	1186500	98119300	86137400	186204600
10/12/91	160194100	7374700	7234600	160984400	95983100	327208400	227423200	196559700	131550700	198600000	294093600	6240400	1240100	98256600	86195100	186348000
10/13/91	160482100	7677100	7529800	161272400	96285500	327597200	227855200	196732500	131766700	198967200	294244800	6499600	1297700	98393400	86252700	186492000
10/14/91	160796400	8012100	7872800	161566900	96611600	328016500	228342700	196916800	131997000	199365700	294410300	6774000	1354900	98542700	86313300	186647600
10/15/91	161099500	8331300	8188200	161858200	96926000	328421500	228803200	197095900	132220300	199751400	294569100	7041500	1414600	98686300	86372600	186798200
10/16/91	161338700	8582800	8435900	162087400	97174200	328741100	229166500	197237200	132397600	200053100	294693900	7252700	1462400	98799200	86418900	186916600
10/17/91	161657200	8915800	8783600	162391500	97505300	329167000	229650600	197425100	132639400	200458100	294859300	7533700	1526700	98948800	86479900	187073800
10/18/91	161956200	9216600	9067800	162679500	97814800	329568000	230106700	197603500	132862100	200835800	295018300	7799100	1570900	99092700	86538600	187224700
10/19/91	162231400	9491100	9333100	162943600	98101600	329939600	230527500	197768700	133062400	201187900	295164200	8044900	1612300	99225200	86592200	187363400
10/20/91	162527700	9786400	9618200	163224600	98409800	330339000	230976600	197946500	133281600	201562400	295319800	8309200	1657500	99367500	86649800	187513000
10/21/91	162818200	10074300	9873800	163501100	98713000	330735400	231421100	198123600	133501000	201940400	295472200	8572200	1703100	99507700	86706300	187660400
10/22/91	163105500	10365000	10119900	163775200	99011700	331123500	231821700	198298200	133712000	202292000	295624400	8831300	1749700	99647600	86763700	187807800
10/23/91	163376000	10638400	10374900	164030200	99291600	331486300	232225200	198460700	133911500	202619900	295767100	9071100	1794000	99778900	86816900	187946700
10/24/91	163568900	10838400	10605200	164199300	99493600	331749100	232514900	198576600	134057500	202864700	295868700	9245400	1820300	99870000	86854200	188043100
10/25/91	163831600	11113200	10829800	164442300	99761600	332099900	232892000	198733900	134250100	203190900	296006700	9477900	1859500	99996600	86906100	188177600
10/26/91	164060900	11352700	11084500	164675500	100003000	332410600	233242400	198870200	134424900	203484400	296127400	9683600	1890700	100104300	86949300	188291700
10/27/91	164366300	11672400	11418200	164992200	100320900	332820700	233699900	199050900	134651400	203870500	296287400	9953900	1936000	100249700	87007400	188446200
10/28/91	164631600	11949800	11709900	165266700	100595200	333174900	234094300	199207300	134845800	204204800	296426600	10186800	1980400	100376300	87057400	188581000
10/29/91	164930000	12263300	12054100	165582600	100909100	333548900	234548900	199385200	135073300	204587100	296584900	10454500	2023000	100517600	87113800	188731500
10/30/91	165219000	12565000	12389800	165887500	101212500	333969200	234988000	199556400	135290400	204951800	296737600	10711400	2068600	100655000	87168400	188877700
10/31/91	165505500	12864500	12721800	166189600	101512700	334354800	235420100	199726300	135500600	205313700	296888900	10965900	2116700	100790900	87222300	189022800

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: OCTOBER 1991

	VOLUME OF WATER PUMPED (GALLONS)																TOTAL
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	
10/01/91	249200	294500	285600	277200	286700	373100	424800	165300	205100	349000	146700	246100	43400	134900	55900	139100	3676600
10/02/91	296000	351700	339800	331100	341600	446500	509400	198100	239800	415600	174000	295000	57200	160100	66600	165400	4387900
10/03/91	215700	257200	253000	242800	250400	327800	373600	145400	177100	304700	126800	216600	45100	116600	48500	120300	3221600
10/04/91	244900	293100	283000	275800	285400	371800	421700	165100	203100	348300	145500	245900	53200	134200	55800	138800	3665600
10/05/91	265000	319500	307000	300700	312800	406000	461100	180100	220900	377900	158900	268900	59300	145300	60400	150500	3994300
10/06/91	228000	276500	264100	258600	269400	348000	393900	154800	194300	327200	137500	229900	53600	126400	52300	131800	3446300
10/07/91	199800	241100	242500	221900	238400	308800	351400	136400	171500	292000	119000	204500	34400	107900	45000	112200	3026800
10/08/91	252500	309300	308000	286400	303200	392600	445500	174000	218500	368900	152700	259300	47800	139600	57900	145400	3861600
10/09/91	246900	305600	305600	283400	300500	389200	442100	172400	214600	364000	153200	257200	52700	137900	57100	143800	3826200
10/10/91	159600	310100	319100	286900	300100	392900	443800	175600	217500	368000	153300	261000	53300	140000	58900	145900	3786000
10/11/91	0	298500	287900	275300	281100	372100	413900	169800	203400	344500	144200	249200	52100	134000	58000	139700	3423700
10/12/91	206100	305500	300800	280100	295100	385400	435200	171600	212700	365200	151100	255000	53600	137300	57700	143400	3755800
10/13/91	288000	302400	295200	288000	302400	388800	432000	172800	216000	367200	151200	259200	57600	136800	57600	144000	3859200
10/14/91	314300	335000	343000	294500	326100	419300	487500	184300	230300	398500	165500	274400	57200	149300	60600	155600	4195400
10/15/91	303100	319200	315400	291300	314400	405000	460500	179100	223300	385700	158800	267500	59700	143600	59300	150600	4036500
10/16/91	239200	251500	247700	229200	248200	319600	363300	141300	177300	301700	124800	211200	47800	112900	46300	118400	3180400
10/17/91	318500	333000	347700	304100	331100	425900	484100	187900	241800	405000	165400	281000	64300	149600	61000	157200	4257600
10/18/91	299000	300800	284200	288000	309500	401000	456100	178400	222700	377700	159000	265400	44200	143900	58700	150900	3939500
10/19/91	275200	274500	265300	264100	286800	371600	420800	165200	200300	352100	145900	245800	41400	132500	53600	138700	3633800
10/20/91	296300	295300	285100	281000	308200	399400	449100	177800	219200	374500	155600	264300	45200	142300	57600	149600	3900500
10/21/91	290500	287900	255600	276500	303200	396400	444500	177100	219400	378000	152400	263000	45600	140200	56500	147400	3834200
10/22/91	287300	290700	246100	274100	298700	388100	400600	174600	211000	351600	152200	259100	46600	139900	57400	147400	3725400
10/23/91	270500	273400	255000	255000	279900	362800	403500	162500	199500	327900	142700	239800	44300	131300	53200	138900	3540200
10/24/91	192900	200000	230300	169100	202000	262800	289700	115900	146000	244800	101600	174300	26300	91100	37300	96400	2580500
10/25/91	262700	274800	224600	243000	268000	350800	377100	157300	192600	326200	138000	232500	39200	126600	51900	134500	3399800
10/26/91	229300	239500	254700	233200	241400	310700	350400	136300	174800	293500	120700	205700	31200	107700	43200	114100	3086400
10/27/91	305400	319700	333700	316700	317900	410100	457500	180700	226500	386100	160000	270300	45300	145400	58100	154500	4087900
10/28/91	265300	277400	291700	274500	274300	354200	394400	156400	194400	334300	139200	232900	44400	126600	50000	134800	3544800
10/29/91	298400	313500	344200	315900	313900	374000	454600	177900	227500	382300	158300	267700	42600	141300	56400	150500	4019000
10/30/91	289000	301700	335700	304900	303400	420300	439100	171200	217100	364700	152700	256900	45600	137400	54600	146200	3940500
10/31/91	286500	299500	332000	302100	300200	385600	432100	169900	210200	361900	151300	254500	48100	135900	53900	145100	3868800
TOTAL	7875100	9052400	8983600	8525400	8994300	11660600	13113300	5175200	6428400	10939000	4558200	7714100	1482300	4148500	1701300	4351100	114702800

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: OCTOBER 1991

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
09/30/91	844340000	371017000	739710000	567160000	21404000	18442000	-	-	-	-	-	-	-	-	-	-	-	-
10/01/91	846166000	372953000	741232000	569235000	23561000	20291000	1826000	1936000	3762000	2613	1522000	2075000	3597000	2498	2157000	1849000	4006000	2782
10/02/91	848316000	375260000	743044000	571677000	26120000	22483000	2150000	2307000	4457000	2701	1812000	2442000	4254000	2578	2559000	2192000	4751000	2879
10/03/91	849882000	376940000	744368000	573453000	27985000	24080000	1566000	1680000	3246000	2705	1324000	1776000	3100000	2583	1865000	1597000	3462000	2885
10/04/91	851682000	378873000	745892000	575498000	30132000	24438000	1800000	1933000	3733000	2705	1524000	2045000	3569000	2586	2147000	358000	2505000	1815
10/05/91	853639000	380970000	747535000	577727000	32465000	24441000	1957000	2097000	4054000	2703	1643000	2229000	3872000	2581	2333000	3000	2336000	1557
10/06/91	855351000	382799000	748975000	579667000	34509000	24492000	1712000	1829000	3541000	2745	1440000	1940000	3380000	2620	2044000	51000	2095000	1624
10/07/91	856829000	384361000	750207000	581344000	36260000	24506000	1478000	1562000	3040000	1912	1232000	1677000	2909000	1830	1751000	14000	1765000	1110
10/08/91	858731000	386390000	751805000	583499000	38533000	24538000	1902000	2029000	3931000	2730	1598000	2155000	3753000	2606	2273000	32000	2305000	1601
10/09/91	860614000	388400000	753389000	585633000	40783000	24554000	1883000	2010000	3893000	2703	1584000	2134000	3718000	2582	2250000	16000	2266000	1574
10/10/91	862514000	390343000	754979000	587715000	43010000	24560000	1900000	1943000	3843000	2669	1590000	2082000	3672000	2550	2227000	6000	2233000	1551
10/11/91	864107000	392241000	756489000	589547000	45034000	24569000	1593000	1898000	3491000	2586	1510000	1832000	3342000	2476	2024000	9000	2033000	1506
10/12/91	865931000	394226000	758052000	591614000	47253000	20000	1824000	1985000	3809000	2701	1563000	2067000	3630000	2574	2219000	20000	2239000	1588
10/13/91	867947000	396098000	759348000	593961000	49269000	1944000	2016000	1872000	3888000	2700	1296000	2347000	3643000	2530	2016000	1924000	3940000	2736
10/14/91	869917000	398413000	761342000	596143000	52010000	4040000	1970000	2315000	4285000	2747	1994000	2182000	4176000	2677	2741000	2096000	4837000	3101
10/15/91	871914000	400516000	762999000	598406000	54400000	6055000	1997000	2103000	4100000	2733	1657000	2263000	3920000	2613	2390000	2015000	4405000	2937
10/16/91	873477000	402168000	764293000	600181000	56276000	7636000	1563000	1652000	3215000	2748	1294000	1775000	3069000	2623	1876000	1581000	3457000	2955
10/17/91	875578000	404365000	766022000	602562000	58785000	9749000	2101000	2197000	4298000	2755	1729000	2381000	4110000	2635	2509000	2113000	4622000	2963
10/18/91	877527000	406453000	767673000	604768000	61144000	11733000	1949000	2088000	4037000	2691	1651000	2206000	3857000	2571	2359000	1984000	4343000	2895
10/19/91	879302000	408374000	769184000	606791000	63303000	13549000	1775000	1921000	3696000	2678	1511000	2023000	3534000	2561	2159000	1816000	3975000	2880
10/20/91	881211000	410442000	770818000	608957000	65629000	15503000	1909000	2068000	3977000	2705	1634000	2166000	3800000	2585	2326000	1954000	4280000	2912
10/21/91	883107000	412395000	772414000	611042000	67887000	17400000	1896000	1953000	3849000	2673	1596000	2085000	3681000	2556	2258000	1897000	4155000	2885
10/22/91	884904000	414413000	774014000	613092000	70110000	19268000	1797000	2018000	3815000	2649	1600000	2050000	3650000	2535	2223000	1868000	4091000	2841
10/23/91	886638000	416321000	775544000	615042000	72243000	21058000	1734000	1908000	3642000	2698	1530000	1950000	3480000	2578	2133000	1790000	3923000	2906
10/24/91	887887000	417644000	776600000	616445000	73749000	22322000	1249000	1323000	2572000	2679	1056000	1403000	2459000	2561	1506000	1264000	2770000	2885
10/25/91	889561000	419491000	778063000	618349000	75812000	24053000	1674000	1847000	3521000	2729	1463000	1904000	3367000	2610	2063000	1731000	3794000	2941
10/26/91	891070000	421068000	779307000	620057000	77612000	25563000	1509000	1577000	3086000	2707	1244000	1708000	2952000	2589	1800000	1510000	3310000	2904
10/27/91	893098000	423203000	780980000	622354000	80056000	27612000	2028000	2135000	4163000	2775	1673000	2297000	3970000	2647	2444000	2049000	4493000	2995
10/28/91	894880000	425075000	782460000	624367000	82199000	29408000	1782000	1872000	3654000	2833	1480000	2013000	3493000	2708	2143000	1796000	3939000	3053
10/29/91	896876000	427153000	784087000	626633000	84581000	31404000	1996000	2078000	4074000	2515	1627000	2266000	3893000	2403	2382000	1996000	4378000	2702
10/30/91	898819000	429184000	785681000	628827000	86909000	33354000	1943000	2031000	3974000	2760	1594000	2194000	3788000	2631	2328000	1950000	4278000	2971
10/31/91	900746000	431207000	787275000	631005000	89219000	35291000	1927000	2023000	3950000	2743	1594000	2178000	3772000	2619	2310000	1937000	4247000	2949
	56406000	60190000	47565000	63845000	67815000	41418000	56406000	60190000	116596000	2764	47565000	63845000	111410000	2641	67815000	41418000	109233000	2590

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: NOVEMBER 1991

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
10/31/91	165505500	12864500	12721800	166189600	101512700	334354800	235420100	199726300	135500600	205313700	296888900	10965900	2116700	100790900	87222300	189022800
11/01/91	165792000	13164000	13053800	166491700	101812900	334740400	235852200	199896200	135710800	205675600	297040200	11220400	2164800	100926800	87276200	189167900
11/02/91	166078500	13463500	13385800	166793800	102113100	335126000	236284300	200066100	135921000	206037500	297191500	11474900	2212900	101062700	87330100	189313000
11/03/91	166365000	13763000	13717800	167095900	102413300	335511600	236716400	200236000	136131200	206399400	297342800	11729400	2261000	101198600	87384000	189458100
11/04/91	166651500	14062500	14049800	167398000	102713500	335897200	237148500	200405900	136341400	206761300	297494100	11983900	2309100	101334500	87437900	189603200
11/05/91	166938000	14362000	14381800	167700100	103013700	336282800	237580600	200575800	136551600	207123200	297645400	12238400	2357200	101470400	87491800	189748300
11/06/91	167224500	14661500	14660800	167940800	103313900	336668400	238012700	200745700	136761800	207408200	297796700	12444300	2383500	101578900	87529200	189864900
11/07/91	167267300	14698000	14748500	168040400	103357000	336719600	238061600	200767200	136812700	207503400	297818500	12526000	2394900	101624600	87547500	189914400
11/08/91	167532500	14975600	15038600	168315900	103628900	337076500	238469200	200927100	137012600	207858800	297959900	12761300	2452900	101753900	87601900	190051400
11/09/91	167821000	15280700	15375300	168620300	103929700	337466200	238913000	201099600	137230700	208218700	298112700	13020100	2461100	101892900	87658100	190196400
11/10/91	168098200	15573900	15694000	168912900	104218900	337841400	239339300	201266100	137442200	208566200	298258600	13269300	2497600	102026700	87711900	190336700
11/11/91	168402900	15896100	16047900	169236300	104538000	338256200	239810000	201450200	137673900	208951300	298418300	13544900	2540500	102174000	87770700	190491900
11/12/91	168678000	16175000	16342000	169524700	104822900	338626900	240214900	201615600	137880600	209297800	298563800	13791800	2580400	102307200	87823700	190631700
11/13/91	168950800	16450800	16641400	169810900	105107200	338996500	240617400	201780400	138085500	209635200	298708100	14038500	2620900	102439200	87875400	190770600
11/14/91	169250200	16753600	16968200	170125000	105419700	339403300	241059100	201962000	138313100	210009900	298865000	14310100	2666600	102584200	87932800	190923400
11/15/91	169559400	17067200	17327500	170450100	105744400	339824600	241516200	202149600	138549900	210397000	299028100	14591400	2714900	102734200	87991000	191081600
11/16/91	169811200	17322100	17625900	170714300	106008400	340167000	241887600	202301900	138737300	210709900	299160300	14820100	2754600	102856200	88037800	191210400
11/17/91	170135200	17650600	18006700	171054300	106347000	340607500	242364200	202497800	138986000	211116500	299329400	15114000	2805800	103012700	88097200	191376000
11/18/91	170421000	17943200	18339600	171354000	106647100	340995800	242786200	202670600	139199100	211475200	299478400	15373200	2851200	103150500	88149100	191521500
11/19/91	170666300	18194300	18589600	171609800	106901600	341325800	243150000	202819300	139385900	211781800	299608400	15592800	2890300	103269400	88193600	191647700
11/20/91	170881800	18418800	18810800	171838200	107129300	341620400	243477300	202949200	139547700	212047900	299721700	15789200	2894500	103372100	88234200	191756100
11/21/91	171140700	18689700	19073600	172110100	107397200	341966900	243849400	203105000	139742400	212369400	299857300	16019700	2922100	103497900	88284200	191889400
11/22/91	171364100	18924100	19302200	172345500	107632000	342273300	244186600	203240700	139916700	212653300	299976400	16223800	2945500	103604700	88326500	192001800
11/23/91	171627700	19199500	19560200	172619900	107896100	342630900	244579800	203401100	140118400	212983400	300116500	16457600	2974600	103732600	88377800	192138000
11/24/91	171864300	19444200	19775900	172862200	108084600	342943100	244928100	203543600	140292800	213272500	300241400	16667700	2979900	103852100	88427700	192267500
11/25/91	172085900	19679700	20011800	173096500	108320200	343246500	245274800	203678400	140464100	213555000	300358500	16870300	3000500	103958600	88470800	192378000
11/26/91	172356400	19967300	20281100	173380800	108604600	343613500	245693800	203842400	140669200	213893500	300500500	17114600	3027300	104089600	88523700	192514600
11/27/91	172663600	20293100	20601400	173703800	108927800	344030000	246169700	204028200	140901200	214277200	300662200	17391900	3059500	104237700	88582900	192669500
11/28/91	172927400	20572200	20860700	173980700	109205300	344387000	246577700	204187600	141100500	214605300	300802700	17629700	3091200	104365400	88633700	192803300
11/29/91	173231000	20893700	21159600	174299500	109524200	344798700	247047000	204371200	141329600	214984000	300963600	17904000	3128500	104511500	88691700	192957300
11/30/91	173534600	21215200	21458500	174618300	109843100	345210400	247517300	204554800	141558700	215362700	301124500	18178300	3165800	104657600	88749700	193111300

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: NOVEMBER 1991

	VOLUME OF WATER PUMPED (GALLONS)																
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
11/01/91	286500	299500	332000	302100	300200	385600	432100	169900	210200	361900	151300	254500	48100	135900	53900	145100	3868800
11/02/91	286500	299500	332000	302100	300200	385600	432100	169900	210200	361900	151300	254500	48100	135900	53900	145100	3868800
11/03/91	286500	299500	332000	302100	300200	385600	432100	169900	210200	361900	151300	254500	48100	135900	53900	145100	3868800
11/04/91	286500	299500	332000	302100	300200	385600	432100	169900	210200	361900	151300	254500	48100	135900	53900	145100	3868800
11/05/91	286500	299500	332000	302100	300200	385600	432100	169900	210200	361900	151300	254500	48100	135900	53900	145100	3868800
11/06/91	286500	299500	279000	240700	300200	385600	432100	169900	210200	285000	151300	205900	26300	108500	37400	116600	3534700
11/07/91	42800	36500	87700	99600	43100	51200	48900	21500	50900	95200	21800	81700	11400	45700	18300	49500	805800
11/08/91	265200	277600	290100	275500	271900	356900	407600	159900	199900	355400	141400	235300	58000	129300	54400	137000	3615400
11/09/91	288500	305100	336700	304400	300800	389700	443800	172500	218100	359900	152800	258800	8200	139000	56200	145000	3879500
11/10/91	277200	293200	318700	292600	289200	375200	426300	166500	211500	347500	145900	249200	36500	133800	53800	140300	3757400
11/11/91	304700	322200	353900	323400	319100	414800	470700	184100	231700	385100	159700	275600	42900	147300	58800	155200	4149200
11/12/91	275100	278900	294100	288400	284900	370700	404900	165400	206700	346500	145500	246900	39900	133200	53000	139800	3673900
11/13/91	272800	275800	299400	286200	284300	369600	402500	164800	204900	337400	144300	246700	40500	132000	51700	138900	3651800
11/14/91	299400	302800	326800	314100	312500	406800	441700	181600	227600	374700	156900	271600	45700	145000	57400	152800	4017400
11/15/91	309200	313600	359300	325100	324700	421300	457100	187600	236800	387100	163100	281300	48300	150000	58200	158200	4180900
11/16/91	251800	254900	298400	264200	264000	342400	371400	152300	187400	312900	132200	228700	39700	122000	46800	128800	3397900
11/17/91	324000	328500	380800	340000	338600	440500	476600	195900	248700	406600	169100	293900	51200	156500	59400	165600	4375900
11/18/91	285800	292600	332900	299700	300100	388300	422000	172800	213100	358700	149000	259200	45400	137800	51900	145500	3854800
11/19/91	245300	251100	250000	255800	254500	330000	363800	148700	186800	306600	130000	219600	39100	118900	44500	126200	3270900
11/20/91	215500	224500	221200	228400	227700	294600	327300	129900	161800	266100	113300	196400	4200	102700	40600	108400	2862600
11/21/91	258900	270900	262800	271900	267900	346500	372100	155800	194700	321500	135600	230500	27600	125800	50000	133300	3425800
11/22/91	223400	234400	228600	235400	234800	306400	337200	135700	174300	283900	119100	204100	23400	106800	42300	112400	3002200
11/23/91	263600	275400	258000	274400	264100	357600	393200	160400	201700	330100	140100	233800	29100	127900	51300	136200	3496900
11/24/91	236600	244700	215700	242300	188500	312200	348300	142500	174400	289100	124900	210100	5300	119500	49900	129500	3033500
11/25/91	221600	235500	235900	234300	235600	303400	346700	134800	171300	282500	117100	202600	20600	106500	43100	110500	3002000
11/26/91	270500	287600	269300	284300	284400	367000	419000	164000	205100	338500	142000	244300	26800	131000	52900	136600	3623300
11/27/91	307200	325800	320300	323000	323200	416500	475900	185800	232000	383700	161700	277300	32200	148100	59200	154900	4126800
11/28/91	263800	279100	259300	276900	277500	357000	408000	159400	199300	328100	140500	237800	31700	127700	50800	133800	3530700
11/29/91	303600	321500	298900	318800	318900	411700	469300	183600	229100	378700	160900	274300	37300	146100	58000	154000	4064700
11/30/91	303600	321500	298900	318800	318900	411700	470300	183600	229100	378700	160900	274300	37300	146100	58000	154000	4065700
TOTAL	8029100	8350700	8736700	8428700	8330400	10855600	12097200	4828500	6058100	10049000	4235600	7212400	1049100	3866700	1527400	4088500	107743700

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: NOVEMBER 1991

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
10/31/91	900746000	431207000	787275000	631005000	89219000	35291000	-	-	-	-	-	-	-	-	-	-	-	-
11/01/91	902690000	433151000	788787000	633237000	91451000	37235000	1944000	1944000	3888000	2700	1512000	2232000	3744000	2600	2232000	1944000	4176000	2900
11/02/91	904634000	435095000	790299000	635469000	93683000	39179000	1944000	1944000	3888000	2700	1512000	2232000	3744000	2600	2232000	1944000	4176000	2900
11/03/91	906578000	437039000	791821000	637701000	95915000	41123000	1944000	1944000	3888000	2700	1522000	2232000	3754000	2607	2232000	1944000	4176000	2900
11/04/91	908522000	438983000	793333000	639933000	98147000	43067000	1944000	1944000	3888000	2700	1512000	2232000	3744000	2600	2232000	1944000	4176000	2900
11/05/91	910453000	441328000	795215000	642003000	100857000	45027000	1931000	2345000	4276000	2969	1882000	2070000	3952000	2744	2710000	1960000	4670000	3243
11/06/91	911897000	442847000	796379000	643667000	102597000	46479000	1444000	1519000	2963000	2058	1164000	1664000	2828000	1964	1740000	1452000	3192000	2217
11/07/91	912483000	443530000	796845000	644411000	103353000	47110000	586000	683000	1269000	863	466000	744000	1210000	823	756000	631000	1387000	944
11/08/91	914270000	445362000	798140000	646579000	105465000	48879000	1787000	1832000	3619000	2567	1295000	2168000	3463000	2456	2112000	1769000	3881000	2752
11/09/91	916217000	447384000	799718000	648795000	107797000	50834000	1947000	2022000	3969000	2815	1578000	2216000	3794000	2691	2332000	1955000	4287000	3040
11/10/91	918079000	449330000	801244000	650913000	110037000	52713000	1862000	1946000	3808000	2759	1526000	2118000	3644000	2641	2240000	1879000	4119000	2985
11/11/91	920136000	451477000	802924000	653258000	112510000	54783000	2057000	2147000	4204000	2748	1680000	2345000	4025000	2631	2473000	2070000	4543000	2969
11/12/91	921946000	453413000	804436000	655327000	114717000	56627000	1810000	1936000	3746000	2714	1512000	2069000	3581000	2595	2207000	1844000	4051000	2936
11/13/91	923739000	455324000	805934000	657385000	116896000	58449000	1793000	1911000	3704000	2744	1498000	2058000	3556000	2634	2179000	1822000	4001000	2964
11/14/91	925707000	457427000	807590000	659629000	119293000	60455000	1968000	2103000	4071000	2714	1656000	2244000	3900000	2600	2397000	2006000	4403000	2935
11/15/91	927766000	459611000	809305000	661981000	121784000	62543000	2059000	2184000	4243000	2720	1715000	2352000	4067000	2607	2491000	2088000	4579000	2935
11/16/91	929438000	461384000	810704000	663879000	123813000	64238000	1672000	1773000	3445000	2734	1399000	1898000	3297000	2617	2029000	1695000	3724000	2956
11/17/91	931593000	463667000	812449000	666334000	126427000	66416000	2155000	2283000	4438000	2740	1745000	2455000	4200000	2593	2614000	2178000	4792000	2958
11/18/91	933489000	465677000	814095000	668479000	128729000	68332000	1896000	2010000	3906000	2713	1646000	2145000	3791000	2633	2302000	1916000	4218000	2929
11/19/91	935115000	467419000	815485000	670319000	130716000	69984000	1626000	1742000	3368000	2738	1390000	1840000	3230000	2626	1987000	1652000	3639000	2959
11/20/91	936499000	468900000	816664000	671883000	132406000	71385000	1384000	1481000	2865000	2729	1179000	1564000	2743000	2612	1690000	1401000	3091000	2944
11/21/91	938216000	470717000	818043000	673881000	134414000	73133000	1717000	1817000	3534000	2618	1379000	1998000	3377000	2501	2008000	1748000	3756000	2782
11/22/91	939692000	472225000	819206000	675573000	136111000	74610000	1476000	1508000	2984000	2688	1163000	1692000	2855000	2572	1697000	1477000	3174000	2859
11/23/91	941457000	474015000	820590000	677588000	138128000	76370000	1765000	1790000	3555000	2693	1384000	2015000	3399000	2575	2017000	1760000	3777000	2861
11/24/91	942697000	475959000	822153000	679084000	139925000	77941000	1240000	1944000	3184000	2307	1563000	1496000	3059000	2217	1797000	1571000	3368000	2441
11/25/91	944142000	477507000	823407000	680705000	141618000	79423000	1445000	1548000	2993000	2696	1254000	1621000	2875000	2590	1693000	1482000	3175000	2860
11/26/91	945919000	479406000	824953000	682688000	143703000	81251000	1777000	1899000	3676000	2723	1546000	1983000	3529000	2614	2085000	1828000	3913000	2899
11/27/91	947942000	481553000	826702000	684947000	146077000	83323000	2023000	2147000	4170000	2725	1749000	2259000	4008000	2620	2374000	2072000	4446000	2906
11/28/91	949679000	483408000	828213000	686886000	148118000	85107000	1737000	1855000	3592000	2721	1511000	1939000	3450000	2614	2041000	1784000	3825000	2898
11/29/91	951665000	485524000	829940000	689089000	150444000	87139000	1986000	2116000	4102000	2735	1727000	2203000	3930000	2620	2326000	2032000	4358000	2905
11/30/91	953537000	487577000	831380000	691407000	152676000	89083000	1872000	2053000	3925000	2726	1440000	2318000	3758000	2610	2232000	1944000	4176000	2900
	52791000	56370000	44105000	60402000	63457000	53792000	52791000	56370000	109161000	2622	44105000	60402000	104507000	2510	63457000	53792000	117249000	2816

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: DECEMBER 1991

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
11/30/91	173534600	21215200	21458500	174618300	109843100	345210400	247517300	204554800	141558700	215362700	301124500	18178300	3165800	104657600	88749700	193111300
12/01/91	173838200	21536700	21757400	174937100	110162000	345622100	247986600	204738400	141787800	215741400	301285400	18452600	3203100	104803700	88807700	193265300
12/02/91	174114200	21812700	22033400	175213100	110438000	345994700	248400600	204906800	141994800	216089200	301430300	18703800	3237600	104881500	88836500	193346400
12/03/91	174444900	22173000	22411400	175573100	110796900	346443700	248925200	205105400	142236700	216497700	301607700	19000700	3252100	104996200	88880900	193467300
12/04/91	174680000	22420200	22650300	175819300	111043300	346760900	249287800	205247000	142413900	216787700	301731800	19212500	3280600	105109300	88924500	193586300
12/05/91	174968000	22724900	22943000	176122400	111347200	347153000	249736500	205422000	142629200	217147000	301883000	19474700	3315400	105248000	88977900	193732000
12/06/91	175247200	23016800	23236500	176412900	111638700	347527900	250164500	205589100	142835300	217490500	302029800	19724800	3350200	105380900	89028600	193873500
12/07/91	175505800	23288100	23598800	176682600	111907700	347872500	250557700	205743400	143026300	217804600	302166600	19954400	3382500	105505000	89075600	194004900
12/08/91	175706700	23499300	23845700	176895700	112122200	348148900	250873000	205865100	143182100	218061000	302271200	20138700	3395600	105599400	89111800	194104400
12/09/91	176012800	23819000	24143800	177216200	112438900	348559700	251340900	206048300	143410400	218439800	302430500	20413200	3416500	105746600	89168700	194260900
12/10/91	176303000	24124000	24436000	177522100	112742000	348953000	251789000	206223200	143625000	218802000	302581400	20675000	3435000	105887800	89221100	194408100
12/11/91	176574000	24407400	24708000	177806700	113026500	349318500	252205000	206387500	143831500	219139000	302722300	20919400	3493000	106014500	89269500	194545600
12/12/91	176849500	24695200	24988600	178094600	113316900	349689200	252627100	206550700	144036200	219480400	302866500	21167000	3563500	106145200	89318300	194685300
12/13/91	177156800	25015700	25298200	178414800	113640700	350102700	253097600	206734200	144264000	219865500	303026600	21442600	3642400	106290200	89365200	194840300
12/14/91	177413400	25283000	25561500	178683100	113911000	350447700	253490700	206887300	144455000	220186500	303159400	21672800	3709600	106411000	89418800	194969400
12/15/91	177636600	25514600	25828600	178915900	114145000	350748200	253832000	207019700	144625700	220465200	303275700	21872300	3770800	106516200	89466200	195081900
12/16/91	177931300	25823000	26100700	179224800	114452500	351144300	254281600	207195800	144847700	220831500	303428600	22135700	3856600	106655400	89529000	195230500
12/17/91	178201000	26105500	26350700	179506800	114734200	351508300	254695700	207357400	145052200	221166300	303568400	22378500	3931700	106782800	89586600	195367200
12/18/91	178477300	26385700	26651900	179782500	115021300	351880100	255114700	207522000	145258500	221509000	303712100	22625400	4020600	106913600	89646900	195508700
12/19/91	178771200	26688300	26959500	180074000	115327700	352276100	255561100	207697800	145479000	221871800	303864200	22888900	4113300	107052600	89710600	195658000
12/20/91	179088800	27018900	27293100	180389400	115659300	352706000	256047200	207888100	145722600	222267800	304028000	23175300	4214200	107202100	89778900	195818000
12/21/91	179369200	27310100	27588200	180667500	115949700	353082000	256475100	208055200	145930300	222608400	304172200	23425700	4304100	107334300	89839600	195961000
12/22/91	179640400	27591800	27874900	180936700	116231400	353446000	256889500	208216800	146136800	222943100	304311500	23668400	4392700	107461900	89898000	196098100
12/23/91	179955400	27919100	28209100	181251700	116559400	353871300	257340900	208405600	146379300	223335100	304472800	23952200	4497400	107610300	89966300	196258400
12/24/91	180250300	28225100	28522500	181546700	116866300	354269300	257767600	208582300	146598000	223700200	304622800	24218400	4596700	107748700	90030100	196408600
12/25/91	180527800	28512700	28818200	181824400	117154400	354642900	258165900	208748300	146809400	224042500	304764400	24468000	4691900	107879500	90090200	196549700
12/26/91	180805600	28800800	29114100	182103500	117444000	355017600	258565500	208914700	147016300	224386900	304906200	24718300	4788100	108009900	90150300	196691100
12/27/91	181102000	29108300	29431700	182401200	117753400	355418500	258994700	209092800	147237800	224752500	305057600	24987100	4891600	108149200	90214600	196842300
12/28/91	181390100	29402100	29738300	182690500	118054900	355805900	259435000	209264400	147450300	225105300	305205900	25245700	4991300	108283600	90276700	196989200
12/29/91	181682300	29702700	30050400	182984000	118360300	356200100	259869700	209439300	147667300	225464500	305355700	25509400	5092900	108420400	90339900	197138200
12/30/91	182007700	30025500	30399300	183310500	118701200	356637500	260380500	209632600	147901200	225864300	305523000	25799500	5218300	108571400	90409500	197303000
12/31/91	182264500	30281900	30675600	183568600	118970300	356983600	260774900	209786800	148087300	226189400	305654900	26031300	5317700	108691300	90465200	197434500

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: DECEMBER 1991

	VOLUME OF WATER PUMPED (GALLONS)																TOTAL
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	
12/01/91	303600	321500	298900	318800	318900	411700	469300	183600	229100	378700	160900	274300	37300	146100	58000	154000	4064700
12/02/91	276000	276000	276000	276000	276000	372600	414000	168400	207000	347800	144900	251200	34500	77800	28800	81100	3508100
12/03/91	330700	360300	378000	360000	358900	449000	524600	198600	241900	408500	177400	296900	14500	114700	44400	120900	4379300
12/04/91	235100	247200	238900	246200	246400	317200	362600	141600	177200	290000	124100	211800	28500	113100	43600	119000	3142500
12/05/91	288000	304700	292700	303100	303900	392100	448700	175000	215300	359300	151200	262200	34800	138700	53400	145700	3868800
12/06/91	279200	291900	293500	290500	291500	374900	428000	167100	206100	343500	146800	250100	34800	132900	50700	141500	3723000
12/07/91	258600	271300	362300	269700	269000	344600	393200	154300	191000	314100	136800	229600	32300	124100	47000	131400	3529300
12/08/91	200900	211200	246900	213100	214500	276400	315300	121700	155800	256400	104600	184300	13100	94400	36200	99500	2744300
12/09/91	306100	319700	298100	320500	316700	410800	467900	183200	228300	378800	159300	274500	20900	147200	56900	156500	4045400
12/10/91	290200	305000	292200	305900	303100	393300	448100	174900	214600	362200	150900	261800	18500	141200	52400	147200	3861500
12/11/91	271000	283400	272000	284600	284500	365500	416000	164300	206500	337000	140900	244400	58000	126700	48400	137500	3640700
12/12/91	275500	287800	280600	287900	290400	370700	422100	163200	204700	341400	144200	247600	70500	130700	48800	139700	3705800
12/13/91	307300	320500	309600	320200	323800	413500	470500	183500	227800	385100	160100	275600	78900	145000	46900	155000	4123300
12/14/91	256600	267300	263300	268300	270300	345000	393100	153100	191000	321000	132800	230200	67200	120800	53600	129100	3462700
12/15/91	223200	231600	267100	232800	234000	300500	341300	132400	170700	278700	116300	199500	61200	105200	47400	112500	3054400
12/16/91	294700	308400	272100	308900	307500	396100	449600	176100	222000	366300	152900	263400	85800	139200	62800	148600	3954400
12/17/91	269700	282500	250000	282000	281700	364000	414100	161600	204500	334800	139800	242800	75100	127400	57600	136700	3624300
12/18/91	276300	280200	301200	275700	287100	371800	419000	164600	206300	342700	143700	246900	88900	130800	60300	141500	3737000
12/19/91	293900	302600	307600	291500	306400	396000	446400	175800	220500	362800	152100	263500	92700	139000	63700	149300	3963800
12/20/91	317600	330600	333600	315400	331600	429900	486100	190300	243600	396000	163800	286400	100900	149500	68300	160000	4303600
12/21/91	280400	291200	295100	278100	290400	376000	427900	167100	207700	340600	144200	250400	89900	132200	60700	143000	3774900
12/22/91	271200	281700	286700	269200	281700	364000	414400	161600	206500	334700	139300	242700	88600	127600	58400	137100	3665400
12/23/91	315000	327300	334200	315000	328000	425300	451400	188800	242500	392000	161300	283800	104700	148400	68300	160300	4246300
12/24/91	294900	306000	313400	295000	306900	398000	426700	176700	218700	365100	150000	266200	99300	138400	63800	150200	3969300
12/25/91	277500	287600	295700	277700	288100	373600	398300	166000	211400	342300	141600	249600	95200	130800	60100	141100	3736600
12/26/91	277800	288100	295900	279100	289600	374700	399600	166400	206900	344400	141800	250300	96200	130400	60100	141400	3742700
12/27/91	296400	307500	317600	297700	309400	400900	429200	178100	221500	365600	151400	268800	103500	139300	64300	151200	4002400
12/28/91	288100	293800	306600	289300	301500	387400	440300	171600	212500	352800	148300	258600	99700	134400	62100	146900	3893900
12/29/91	292200	300600	312100	293500	305400	394200	434700	174900	217000	359200	149800	263700	101600	136800	63200	149000	3947900
12/30/91	325400	322800	348900	326500	340900	437400	510800	193300	233900	399800	167300	290100	125400	151000	69600	164800	4407900
12/31/91	256800	256400	276300	258100	269100	346100	394400	154200	186100	325100	131900	231800	99400	119900	55700	131500	3492800
TOTAL	8729900	9066700	9217100	8950300	9127200	11773200	13257600	5232000	6528600	10826700	4530400	7853000	2151900	4033700	1715500	4323200	117317000

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: DECEMBER 1991

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
11/30/91	953537000	487577000	831380000	691407000	152676000	89083000	-	-	-	-	-	-	-	-	-	-	-	-
12/01/91	955409000	489630000	832820000	693725000	154908000	91027000	1872000	2053000	3925000	2726	1440000	2318000	3758000	2610	2232000	1944000	4176000	2900
12/02/91	957417000	491698000	834755000	695704000	157235000	93065000	2008000	2068000	4076000	2831	1935000	1979000	3914000	2718	2327000	2038000	4365000	3031
12/03/91	959534000	494030000	836567000	698156000	159769000	95275000	2117000	2332000	4449000	2648	1812000	2452000	4264000	2538	2534000	2210000	4744000	2824
12/04/91	961085000	495688000	837868000	699938000	161593000	96864000	1551000	1658000	3209000	2743	1301000	1782000	3083000	2635	1824000	1589000	3413000	2917
12/05/91	962940000	497674000	839415000	702072000	163789000	98774000	1855000	1986000	3841000	2724	1547000	2134000	3681000	2611	2196000	1910000	4106000	2912
12/06/91	964801000	499655000	840959000	704213000	165981000	100678000	1861000	1981000	3842000	2725	1544000	2141000	3685000	2613	2192000	1904000	4096000	2905
12/07/91	966522000	501489000	842385000	706192000	168012000	102440000	1721000	1834000	3555000	2756	1426000	1979000	3405000	2640	2031000	1762000	3793000	2940
12/08/91	967846000	502858000	843456000	707705000	169549000	103774000	1324000	1369000	2693000	2720	1071000	1513000	2584000	2610	1537000	1334000	2871000	2900
12/09/91	969843000	505009000	845128000	710009000	171919000	105826000	1997000	2151000	4148000	2711	1672000	2304000	3976000	2599	2370000	2052000	4422000	2890
12/10/91	971732000	507050000	846716000	712182000	174170000	107771000	1889000	2041000	3930000	2729	1588000	2173000	3761000	2612	2251000	1945000	4196000	2914
12/11/91	973531000	508943000	848184000	714251000	176283000	109595000	1799000	1893000	3692000	2735	1468000	2069000	3537000	2620	2113000	1824000	3937000	2916
12/12/91	975380000	510878000	849699000	716372000	178448000	111466000	1849000	1935000	3784000	2742	1515000	2121000	3636000	2635	2165000	1871000	4036000	2925
12/13/91	977434000	513025000	851371000	718727000	180854000	113542000	2054000	2147000	4201000	2746	1672000	2355000	4027000	2632	2406000	2076000	4482000	2929
12/14/91	979162000	514819000	852767000	720704000	182874000	115283000	1728000	1794000	3522000	2795	1396000	1977000	3373000	2677	2020000	1741000	3761000	2985
12/15/91	980664000	516380000	853976000	722430000	184636000	116801000	1502000	1561000	3063000	2759	1209000	1726000	2935000	2644	1762000	1518000	3280000	2955
12/16/91	982633000	518446000	855583000	724688000	186959000	118804000	1969000	2066000	4035000	2745	1607000	2258000	3865000	2629	2323000	2003000	4326000	2943
12/17/91	984430000	520339000	857054000	726752000	189084000	120636000	1797000	1893000	3690000	2733	1471000	2064000	3535000	2619	2125000	1832000	3957000	2931
12/18/91	986355000	522215000	858582000	728865000	191238000	122489000	1925000	1876000	3801000	2880	1528000	2113000	3641000	2758	2154000	1853000	4007000	3036
12/19/91	988334000	524280000	860180000	731136000	193532000	124466000	1979000	2065000	4044000	2868	1598000	2271000	3869000	2744	2294000	1977000	4271000	3029
12/20/91	990457000	526484000	861863000	733574000	195984000	126578000	2123000	2204000	4327000	2774	1683000	2438000	4121000	2642	2452000	2112000	4564000	2926
12/21/91	992358000	528460000	863417000	735743000	198185000	128473000	1901000	1976000	3877000	2750	1554000	2169000	3723000	2640	2201000	1895000	4096000	2905
12/22/91	994191000	530357000	864881000	737846000	200304000	130297000	1833000	1897000	3730000	2763	1464000	2103000	3567000	2642	2119000	1824000	3943000	2921
12/23/91	996296000	532557000	866597000	740252000	202748000	132401000	2105000	2200000	4305000	2760	1716000	2406000	4122000	2642	2444000	2104000	4548000	2915
12/24/91	998251000	534611000	868189000	742492000	205029000	134364000	1955000	2054000	4009000	2727	1592000	2240000	3832000	2607	2281000	1963000	4244000	2887
12/25/91	1000107000	536554000	869700000	744621000	207186000	136220000	1856000	1943000	3799000	2753	1511000	2129000	3640000	2638	2157000	1856000	4013000	2908
12/26/91	1001957000	538494000	871202000	746741000	209338000	138072000	1850000	1940000	3790000	2746	1502000	2120000	3622000	2625	2152000	1852000	4004000	2901
12/27/91	1003926000	540567000	872817000	748989000	211641000	140049000	1969000	2073000	4042000	2750	1615000	2248000	3863000	2628	2303000	1977000	4280000	2912
12/28/91	1005860000	542577000	874377000	751210000	213882000	141972000	1934000	2010000	3944000	2739	1560000	2221000	3781000	2626	2241000	1923000	4164000	2892
12/29/91	1007812000	544618000	875965000	753445000	216154000	143922000	1952000	2041000	3993000	2773	1588000	2235000	3823000	2655	2272000	1950000	4222000	2932
12/30/91	1010000000	546890000	877732000	755935000	218694000	146100000	2188000	2272000	4460000	2753	1767000	2490000	4257000	2628	2540000	2178000	4718000	2912
12/31/91	1011736000	548695000	879142000	757914000	220708000	147824000	1736000	1805000	3541000	2745	1410000	1979000	3389000	2627	2014000	1724000	3738000	2898
	58199000	61118000	47762000	66507000	68032000	58741000	58199000	61118000	119317000	2827	47762000	66507000	114269000	2707	68032000	58741000	126773000	3003

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: JANUARY 1992

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
12/31/91	182264500	30281900	30675600	183568600	118970300	356983600	260774900	209786800	148087300	226189400	305654900	26031300	5317700	108691300	90465200	197434500
01/01/92	182595200	30611000	31011000	183901900	119315800	357428600	261282500	209984000	148334600	226590900	305824300	26329000	5443700	108844700	90536200	197601900
01/02/92	182855600	30868500	31275200	184165400	119587700	357778600	261680700	210139200	148531300	226913700	305957900	26562400	5540400	108965300	90592200	197734200
01/03/92	183132500	31142500	31557500	184446500	119877200	358152700	262107500	210305300	148741400	227257400	306100000	26812500	5602400	109095300	90652500	197876600
01/04/92	183409300	31416400	31839700	184727600	120166600	358526700	262534200	210471300	148951500	227601000	306242000	27062600	5664300	109225200	90712800	198018900
01/05/92	183698400	31698500	32135000	185020300	120468200	358916300	262978100	210644300	149165200	227955100	306389900	27323300	5755000	109359400	90775100	198166200
01/06/92	184011300	32003900	32454100	185337200	120794500	359338100	263458400	210831400	149400000	228342700	306550400	27605100	5846000	109505400	90842900	198326500
01/07/92	184296800	32281100	32744600	185626600	121092200	359722900	263896800	211002100	149615700	228693500	306697300	27862400	5925800	109638300	90904700	198472800
01/08/92	184585700	32564000	33040100	185920600	121394500	360113900	264348700	211175500	149832100	229057300	306846000	28127300	6005200	109773000	90967000	198620200
01/09/92	184863100	32832000	33321900	186202100	121683700	360487800	264768800	211341600	150037400	229397700	306988100	28374300	6080000	109902400	91027200	198762300
01/10/92	185176000	33134300	33641100	186519500	122009800	360909500	265249600	211528700	150273700	229788000	307149400	28656300	6165000	110048600	91095000	198923100
01/11/92	185465200	33413600	33935900	186812600	122310900	361298400	265692500	211701400	150490200	230143500	307298300	28916100	6247800	110183700	91157800	199071300
01/12/92	185736300	33675400	34212300	187087400	122593200	361663000	266107700	211863300	150693200	230476800	307437900	29159700	6325400	110310400	91216700	199210200
01/13/92	185970800	33930900	34469300	187324700	122837000	361980900	266418600	212003800	150875000	230768300	307559100	29372400	6403400	110417500	91266600	199328600
01/14/92	186253100	34220500	34764900	187611400	123107900	362361200	266850100	212172900	151087300	231114200	307704000	29626000	6544700	110549000	91328000	199473500
01/15/92	186558700	34528900	35083300	187923100	123405200	362773400	267319100	212356000	151320600	231490900	307862300	29900700	6620300	110691100	91394900	199630200
01/16/92	186847900	34822200	35385900	188218600	123686200	363163700	267762600	212529200	151586200	231846800	308011600	30160600	6688100	110825800	91458200	199778100
01/17/92	187144700	35124100	35698400	188521700	123974100	363564100	268219100	212706400	151765400	232213900	308165300	30427700	6756400	110963400	91522700	199929400
01/18/92	187393300	35376200	35960700	188776100	124215300	363900300	268603300	212855300	151952600	232521300	308294200	30653000	6812700	111078600	91576700	200055400
01/19/92	187664300	35647500	36219900	189049100	124475000	364208600	269017400	213018200	152154600	232850500	308434500	30896300	6872900	111207500	91640200	200200700
01/20/92	187973500	35966300	36544900	189369900	124790000	364626700	269491900	213203400	152395000	233237600	308596700	31174200	6930400	111351600	91708800	200359900
01/21/92	188245500	36247500	36816200	189650000	125065500	364991800	269893800	213365700	152603000	233573100	308737600	31417000	7052900	111476900	91768600	200497100
01/22/92	188534800	36546300	37106800	189949500	125360600	365381900	270321700	213539200	152824600	233930800	308887600	31677200	7137900	111611300	91832500	200645000
01/23/92	188847900	36869400	37431300	190274600	125682000	365804600	270791800	213726800	153065200	234320200	309050700	31959000	7227700	111756400	91901500	200804900
01/24/92	189118000	37146100	37716300	190555000	125961000	366169400	271198300	213888600	153274000	234656400	309193100	32202200	7302700	111881400	91961000	200943300
01/25/92	189402000	37437500	38003300	190849700	126254700	366552500	271632700	214058800	153492500	235008500	309341500	32458000	7380500	112012800	92023300	201087700
01/26/92	189704100	37746200	38307900	191162100	126566200	366958200	272092700	214239300	153722600	235383400	309498900	32729300	7461100	112152400	92089600	201241900
01/27/92	189981100	38029700	38596400	191449100	126853100	367331400	272513400	214405100	153933100	235727100	309641700	32977700	7532400	112280400	92150400	201383800
01/28/92	190280500	38335900	38909900	191759300	127162600	367734000	272967700	214584400	154160300	236097600	309796200	33246400	7606600	112419300	92216500	201536900
01/29/92	190562800	38624200	39207100	192052900	127456400	368115900	273397500	214753600	154374700	236447600	309941400	33501100	7673300	112549600	92278100	201680600
01/30/92	190869800	38935200	39523700	192370900	127775500	368528900	273863600	214937200	154608700	236827300	310101100	33777000	7741800	112691400	92345600	201837400
01/31/92	191124200	39193500	39794900	192634400	128040500	368871000	274247800	215089000	154803000	237142400	310233500	34005300	7794000	112808600	92401300	201966900

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: JANUARY 1992

	VOLUME OF WATER PUMPED (GALLONS)																TOTAL
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	
01/01/92	330700	329100	335400	333300	345500	445000	507600	197200	247300	401500	169400	297700	126000	153400	71000	167400	4457500
01/02/92	260400	257500	264200	263500	271900	350000	398200	155200	196700	322800	133600	233400	96700	120600	56000	132300	3513000
01/03/92	276900	274000	282300	281100	289500	374100	426800	166100	210100	343700	142100	250100	62000	130000	60300	142400	3711500
01/04/92	276800	273900	282200	281100	289400	374000	426700	166000	210100	343600	142000	250100	61900	129900	60300	142300	3710300
01/05/92	289100	282100	295300	292700	301600	389600	443900	173000	213700	354100	147900	260700	90700	134200	62300	147300	3878200
01/06/92	312900	305400	319100	316900	326300	421800	480300	187100	234800	387600	160500	281800	91000	146000	67800	160300	4199600
01/07/92	285500	277200	290500	289400	297700	384800	438400	170700	215700	350800	146900	257300	79800	132900	61800	146300	3825700
01/08/92	288900	282900	295500	294000	302300	391000	451900	173400	216400	363800	148700	264900	79400	134700	62300	147400	3897500
01/09/92	277400	268000	281800	281500	289200	373900	420100	166100	205300	340400	142100	247000	74800	129400	60200	142100	3699300
01/10/92	312900	302300	319200	317400	326100	421700	480800	187100	236300	390300	161300	282000	85000	146200	67800	160800	4197200
01/11/92	289200	279300	294800	293100	301100	388900	442900	172700	216500	355500	148900	259800	82800	135100	62800	148200	3871600
01/12/92	271100	261800	276400	274800	282300	364600	415200	161900	203000	333300	139600	243600	77600	126700	58900	138900	3629700
01/13/92	234500	255500	257000	237300	243800	317900	310900	140500	181800	291500	121200	212700	78000	107100	49900	118400	3158000
01/14/92	282300	289600	295600	286700	270900	380300	431500	169100	212300	345900	144900	253600	141300	131500	61400	144900	3841800
01/15/92	305600	308400	318400	311700	297300	412200	469000	183100	233300	376700	158300	274700	75600	142100	66900	156700	4090000
01/16/92	289200	293300	302600	295500	281000	390300	443500	173200	265600	355900	149300	259900	67800	134700	63300	147900	3913000
01/17/92	296800	301900	312500	303100	287900	400400	456500	177200	179200	367100	153700	267100	68300	137600	64500	151300	3925100
01/18/92	248600	252100	262300	254400	241200	336200	384200	148900	187200	307400	128900	225300	56300	115200	54000	126000	3328200
01/19/92	271000	271300	259200	273000	259700	308300	414100	162900	202000	329200	140300	243300	60200	128900	63500	145300	3532200
01/20/92	309200	318800	325000	320800	315000	418100	474500	185200	240400	387100	162200	277900	57500	144100	68600	159200	4163600
01/21/92	272000	281200	271300	280100	275500	365100	401900	162300	208000	335500	140900	242800	122500	125300	59800	137200	3681400
01/22/92	289300	298800	290600	299500	295100	390100	427900	173500	221600	357700	150000	260200	85000	134400	63900	147900	3885500
01/23/92	313100	323100	324500	325100	321400	422700	470100	187600	240600	389400	163100	281800	89800	145100	69000	159900	4226300
01/24/92	270100	276700	285000	280400	279000	364800	406500	161800	208800	336200	142400	243200	75000	125000	59500	138400	3652800
01/25/92	284000	291400	287000	294700	293700	383100	434400	170200	218500	352100	148400	255800	77800	131400	62300	144400	3829200
01/26/92	302100	308700	304600	312400	311500	405700	460000	180500	230100	374900	157400	271300	80600	139600	66300	154200	4059900
01/27/92	277000	283500	288500	287000	286900	373200	420700	165800	210500	343700	142800	248400	71300	128000	60800	141900	3730000
01/28/92	299400	306200	313500	310200	309500	402600	454300	179300	227200	370500	154500	268700	74200	138900	66100	153100	4028200
01/29/92	282300	288300	297200	293600	293800	381900	429800	169200	214400	350000	145200	254700	66700	130300	61600	143700	3802700
01/30/92	307000	311000	316600	318000	319100	413000	466100	183600	234000	379700	159700	275900	68500	141800	67500	156800	4118300
01/31/92	254400	258300	271200	263500	265000	342100	384200	151800	194300	315100	132400	228300	52200	117200	55700	129500	3415200
TOTAL	8859700	8911600	9119300	9065800	9070200	11887400	13472900	5302200	6715700	10953000	4578600	7974000	2476300	4117300	1936100	4532400	118972500

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: JANUARY 1992

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
12/31/91	1011736000	548695000	879142000	757914000	220708000	147824000	-	-	-	-	-	-	-	-	-	-	-	-
01/01/92	1013946000	551003000	880936000	760439000	223281000	150023000	2210000	2308000	4518000	2738	1794000	2525000	4319000	2618	2573000	2199000	4772000	2892
01/02/92	1015681000	552816000	882343000	762423000	225309000	151755000	1735000	1813000	3548000	2750	1407000	1984000	3391000	2629	2028000	1732000	3760000	2915
01/03/92	1017518000	554764000	883859000	764518000	227464000	153596000	1837000	1948000	3785000	2743	1516000	2095000	3611000	2617	2155000	1841000	3996000	2896
01/04/92	1019358000	556715000	885378000	766616000	229622000	155440000	1840000	1951000	3791000	2633	1519000	2098000	3617000	2512	2158000	1844000	4002000	2779
01/05/92	1021251000	558729000	886944000	768796000	231855000	157340000	1893000	2014000	3907000	2831	1566000	2180000	3746000	2714	2233000	1900000	4133000	2995
01/06/92	1023320000	560922000	888652000	771154000	234288000	159411000	2069000	2193000	4262000	2732	1708000	2358000	4066000	2606	2433000	2071000	4504000	2887
01/07/92	1025197000	562918000	890203000	773310000	236497000	161289000	1877000	1996000	3873000	2747	1551000	2156000	3707000	2629	2209000	1878000	4087000	2899
01/08/92	1027098000	564938000	891781000	775477000	238737000	163191000	1901000	2020000	3921000	2723	1578000	2167000	3745000	2601	2240000	1902000	4142000	2876
01/09/92	1028922000	566881000	893303000	777555000	240889000	165016000	1824000	1943000	3767000	2730	1522000	2078000	3600000	2609	2152000	1825000	3977000	2882
01/10/92	1030973000	569065000	895010000	779895000	243311000	167070000	2051000	2184000	4235000	2715	1707000	2340000	4047000	2594	2422000	2054000	4476000	2869
01/11/92	1032877000	571100000	896621000	782057000	245559000	168977000	1904000	2035000	3939000	2735	1611000	2162000	3773000	2620	2248000	1907000	4155000	2885
01/12/92	1034593000	572903000	898035000	784007000	247569000	170678000	1716000	1803000	3519000	2300	1414000	1950000	3364000	2199	2010000	1701000	3711000	2425
01/13/92	1036251000	574621000	899387000	785887000	249498000	172314000	1658000	1718000	3376000	2745	1352000	1880000	3232000	2628	1929000	1636000	3565000	2898
01/14/92	1038113000	576601000	900957000	787993000	251696000	174178000	1862000	1980000	3842000	2725	1570000	2106000	3676000	2607	2198000	1864000	4062000	2881
01/15/92	1040129000	578738000	902646000	790279000	254069000	176192000	2016000	2137000	4153000	2714	1689000	2286000	3975000	2598	2373000	2014000	4387000	2867
01/16/92	1042033000	580767000	904260000	792439000	256313000	178096000	1904000	2029000	3933000	2731	1614000	2160000	3774000	2621	2244000	1904000	4148000	2881
01/17/92	1043983000	582840000	905928000	794631000	258610000	180043000	1950000	2073000	4023000	2737	1668000	2192000	3860000	2626	2297000	1947000	4244000	2887
01/18/92	1045601000	584568000	907321000	796449000	260521000	181660000	1618000	1728000	3346000	2720	1393000	1818000	3211000	2611	1911000	1617000	3528000	2868
01/19/92	1046956000	586614000	908991000	798044000	262472000	183311000	1355000	2046000	3401000	2362	1670000	1595000	3265000	2267	1951000	1651000	3602000	2501
01/20/92	1049036000	588832000	910788000	800366000	264917000	185382000	2080000	2218000	4298000	2703	1797000	2322000	4119000	2591	2445000	2071000	4516000	2840
01/21/92	1050909000	590809000	912395000	802450000	267115000	187246000	1873000	1977000	3850000	2790	1607000	2084000	3691000	2675	2198000	1864000	4062000	2943
01/22/92	1052818000	592831000	914044000	804575000	269359000	189151000	1909000	2022000	3931000	2730	1649000	2125000	3774000	2621	2244000	1905000	4149000	2881
01/23/92	1054894000	595022000	915827000	806880000	271794000	191216000	2076000	2191000	4267000	2735	1783000	2305000	4088000	2621	2435000	2065000	4500000	2885
01/24/92	1056695000	596916000	917373000	808879000	273901000	193002000	1801000	1894000	3695000	2737	1546000	1999000	3545000	2626	2107000	1786000	3893000	2884
01/25/92	1058581000	598903000	918983000	810976000	276110000	194872000	1886000	1987000	3873000	2747	1610000	2097000	3707000	2629	2209000	1870000	4079000	2893
01/26/92	1060578000	601014000	920705000	813198000	278453000	196855000	1997000	2111000	4108000	2739	1722000	2222000	3944000	2629	2343000	1983000	4326000	2884
01/27/92	1062415000	602954000	922278000	815245000	280607000	198678000	1837000	1940000	3777000	2737	1573000	2047000	3620000	2623	2154000	1823000	3977000	2882
01/28/92	1064402000	605056000	923988000	817455000	282940000	200650000	1987000	2102000	4089000	2726	1710000	2210000	3920000	2613	2333000	1972000	4305000	2870
01/29/92	1066266000	607031000	925595000	819528000	285130000	202499000	1864000	1975000	3839000	2723	1607000	2073000	3680000	2610	2190000	1849000	4039000	2865
01/30/92	1068291000	609179000	927342000	821783000	287512000	204509000	2025000	2148000	4173000	2727	1747000	2255000	4002000	2616	2382000	2010000	4392000	2871
01/31/92	1069977000	610958000	928790000	823661000	289485000	206174000	1686000	1779000	3465000	2750	1448000	1878000	3326000	2640	1973000	1665000	3638000	2887
	58241000	62263000	49648000	65747000	68777000	58350000	58241000	62263000	120504000	2740	49648000	65747000	115395000	2624	68777000	58350000	127127000	2891

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: FEBRUARY 1992

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
01/31/92	191124200	39193500	39794900	192634400	128040500	368871000	274247800	215089000	154803000	237142400	310233500	34005300	7794000	112808600	92401300	201966900
02/01/92	191413800	39487200	40097700	192935500	128342700	369261500	274686200	215262300	155023200	237499200	310383200	34266100	7848000	112942100	92464900	202114400
02/02/92	191715200	39792500	40410800	193247800	128657600	369666400	275141800	215441900	155251900	237869800	310539800	34536300	7923300	113081000	92531000	202268100
02/03/92	192014900	40098500	40725000	193559200	128972100	370069900	275596300	215621200	155479900	238241800	310696500	34805600	7997500	113219000	92596900	202421500
02/04/92	192298800	40387500	41022100	193853400	129269300	370451800	276027100	215790200	155695400	238601800	310843300	35060500	8064000	113349800	92659000	202565900
02/05/92	192594700	40689200	41331000	194160400	129580300	370850200	276474600	215966800	155923500	238958400	310998000	35326500	8131100	113486200	92723700	202716800
02/06/92	192858000	40958200	41604400	194433100	129857100	371204400	276872000	216124000	156125100	239288400	311135600	35563100	8188200	113607700	92781500	202851100
02/07/92	193147100	41252700	41908300	194732300	130154400	371592700	277307900	216296100	156347600	239639700	311285900	35822500	8261300	113739900	92844100	202997900
02/08/92	193448500	41560000	42192300	195044600	130463900	371996800	277760200	216475700	156577200	240007600	311440400	36093000	8335800	113878300	92909600	203152000
02/09/92	193774300	41893100	42496400	195383700	130800100	372435900	278247900	216670800	156825700	240405200	311606900	36386400	8412500	114028400	92980800	203319200
02/10/92	194026000	42152500	42717200	195643400	131063100	372775000	278628300	216822000	157020300	240718700	311739300	36614200	8475000	114145100	93036400	203449300
02/11/92	194325200	42458900	43020300	195956100	131379400	373177800	279083500	217001200	157249900	241088900	311894700	36884000	8547000	114283000	93102200	203603200
02/12/92	194615700	42755900	43308300	196258700	131685700	373567600	279522200	217174100	157471900	241447200	312043100	37145200	8612600	114416400	93165200	203751900
02/13/92	194904200	43051900	43596600	196559500	131990600	373955200	279958600	217346300	157692300	241807200	312191900	37405200	8675600	114548600	93227900	203899900
02/14/92	195191700	43347500	43884600	196860500	132296600	374343200	280396900	217518700	157913600	242159300	312340000	37665000	8735800	114681500	93290800	204048000
02/15/92	195467500	43629000	44159200	197147300	132588000	374713200	280815400	217682900	158124700	242497300	312481900	37913400	8790700	114808500	93351000	204190100
02/16/92	195744900	43913000	44436200	197437300	132856100	375086000	281235900	217849200	158334900	242841800	312624300	38163500	8843400	114936600	93411900	204333500
02/17/92	196058600	44234500	44747600	197765600	133159100	375509200	281711700	218037600	158572900	243231800	312785200	38447100	8900300	115081700	93481100	204496500
02/18/92	196365700	44550200	45052500	198087900	133455800	375924400	282178700	218222500	158806700	243611400	312942100	38726000	8953100	115224000	93548700	204655400
02/19/92	196630100	44821200	45314500	198364900	133710100	376281200	282580600	218381300	159007600	243941400	313077400	38965500	8995800	115346500	93606900	204793400
02/20/92	196917000	45115100	45597600	198664900	133985500	376668000	283016000	218553500	159226600	244301400	313224600	39224900	9042000	115479200	93670900	204942100
02/21/92	197203800	45410600	45881700	198967800	134262800	377057500	283455100	218727500	159446200	244648900	313372000	39487000	9084900	115613000	93734000	205092500
02/22/92	197503300	45717800	46177500	199282000	134551800	377461500	283910900	218907400	159672300	245018700	313525100	39758700	9128700	115752200	93799800	205247900
02/23/92	197791300	46013000	46462600	199584400	134832600	377850300	284350100	219083100	159891200	245371200	313672000	40022200	9186300	115886100	93864600	205396200
02/24/92	198070100	46297300	46738300	199874700	135101800	378224500	284771100	219246700	160106400	245723300	313815100	40270700	9246100	116014700	93924300	205542800
02/25/92	198363400	46597800	47028300	200182200	135386400	378620100	285218200	219422800	160330000	246090800	313965500	40536600	9306700	116150900	93988700	205695400
02/26/92	198633800	46874600	47294700	200465000	135648300	378984500	285629800	219584600	160535600	246421100	314103100	40781500	9360700	116276200	94048100	205835500
02/27/92	198940000	47188600	47598800	200785600	135955600	379396800	286095100	219766200	160765500	246797500	314258800	41058500	9422500	116418700	94115500	205994600
02/28/92	199205100	47460500	47861700	201063300	136221700	379755200	286499400	219927200	160964700	247128900	314392700	41299600	9591100	116542300	94173800	206131900
02/29/92	199491400	47756200	48125300	201363400	136509300	379775700	286924000	220107900	161184700	247479100	314540200	41566100	9705900	116680800	94241600	206286300

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: FEBRUARY 1992

	VOLUME OF WATER PUMPED (GALLONS)																TOTAL
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	
02/01/92	289600	293700	302800	301100	302200	390500	438400	173300	220200	356800	149700	260800	54000	133500	63600	147500	3877700
02/02/92	301400	305300	313100	312300	314900	404900	455600	179600	228700	370600	156600	270200	75300	138900	66100	153700	4047200
02/03/92	299700	306000	314200	311400	314500	403500	454500	179300	228000	372000	156700	269300	74200	138000	65900	153400	4040600
02/04/92	283900	289000	297100	294200	297200	381900	430800	169000	215500	360000	146800	254900	66500	130800	62100	144400	3824100
02/05/92	295900	301700	308900	307000	311000	398400	447500	176600	228100	356600	154700	266000	67100	136400	64700	150900	3971500
02/06/92	263300	269000	273400	272700	276800	354200	397400	157200	201600	330000	137600	236600	57100	121500	57800	134300	3540500
02/07/92	289100	294500	303900	299200	297300	388300	435900	172100	222500	351300	150300	259400	73100	132200	62600	146800	3878500
02/08/92	301400	307300	284000	312300	309500	404100	452300	179600	229600	367900	154500	270500	74500	138400	65500	154100	4005500
02/09/92	325800	333100	304100	339100	336200	439100	487700	195100	248500	397600	166500	293400	76700	150100	71200	167200	4331400
02/10/92	251700	259400	220800	259700	263000	339100	380400	151200	194600	313500	132400	227800	62500	116700	55600	130100	3358500
02/11/92	299200	306400	303100	312700	316300	402800	455200	179200	229600	370200	155400	269800	72000	137900	65800	153900	4029500
02/12/92	290500	297000	288000	302600	306300	389800	438700	172900	222000	358300	148400	261200	65600	133400	63000	148700	3886400
02/13/92	288500	296000	288300	300800	304900	387600	436400	172200	220400	360000	148800	260000	63000	132200	62700	148000	3869800
02/14/92	287500	295600	288000	301000	306000	388000	438300	172400	221300	352100	148100	259800	60200	132900	62900	148100	3862200
02/15/92	275800	281500	274600	286800	291400	370000	418500	164200	211100	338000	141900	248400	54900	127000	60200	142100	3686400
02/16/92	277400	284000	277000	290000	268100	372800	420500	166300	210200	344500	142400	250100	52700	128100	60900	143400	3688400
02/17/92	313700	321500	311400	328300	303000	423200	475800	188400	238000	390000	160900	283600	56900	145100	69200	163000	4172000
02/18/92	307100	315700	304900	322300	296700	415200	467000	184900	233800	379600	156900	278900	52800	142300	67600	158900	4084600
02/19/92	264400	271000	262000	277000	254300	356800	401900	158800	200900	330000	135300	239500	42700	122500	58200	138000	3513300
02/20/92	286900	293900	283100	300000	275400	386800	435400	172200	219000	360000	147200	259400	46200	132700	64000	148700	3810900
02/21/92	286800	295500	284100	302900	277300	389500	439100	174000	219600	347500	147400	262100	42900	133800	63100	150400	3816000
02/22/92	299500	307200	295800	314200	289000	404000	455800	179900	226100	369800	153100	271700	43800	139200	65800	155400	3970300
02/23/92	288000	295200	285100	302400	280800	388800	439200	175700	218900	352500	146900	263500	57600	133900	64800	148300	3841600
02/24/92	278800	284300	275700	290300	269200	374200	421000	163600	215200	352100	143100	248500	59800	128600	59700	146600	3710700
02/25/92	293300	300500	290000	307500	284600	395600	447100	176100	223600	367500	150400	265900	60600	136200	64400	152600	3915900
02/26/92	270400	276800	266400	282800	261900	364400	411600	161800	205600	330300	137600	244900	54000	125300	59400	140100	3593300
02/27/92	306200	314000	304100	320600	307300	412300	465300	181600	229900	376400	155700	277000	61800	142500	67400	159100	4081200
02/28/92	265100	271900	262900	277700	266100	358400	404300	161000	199200	331400	133900	241100	168600	123600	58300	137300	3660800
02/29/92	286300	295700	263600	300100	287600	20500	424600	180700	220000	350200	147500	266500	114800	138500	67800	154400	3518800
TOTAL	8367200	8562700	8330400	8729000	8468800	10904700	12676200	5018900	6381700	10336700	4306700	7560800	1911900	3872200	1840300	4319400	111587600

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: FEBRUARY 1992

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
01/31/92	1069977000	610958000	928790000	823661000	289485000	206174000	-	-	-	-	-	-	-	-	-	-	-	-
02/01/92	1071878000	612981000	930448000	825766000	291723000	208062000	1901000	2023000	3924000	2725	1658000	2105000	3763000	2613	2238000	1888000	4126000	2865
02/02/92	1073876000	615092000	932192000	827962000	294062000	210035000	1998000	2111000	4109000	2739	1744000	2196000	3940000	2627	2339000	1973000	4312000	2875
02/03/92	1075862000	617192000	933945000	830133000	296389000	211999000	1986000	2100000	4086000	2724	1753000	2171000	3924000	2616	2327000	1964000	4291000	2861
02/04/92	1077736000	619173000	935597000	832179000	298584000	213848000	1874000	1981000	3855000	2734	1652000	2046000	3698000	2623	2195000	1849000	4044000	2868
02/05/92	1078534000	621243000	937326000	834315000	300876000	215779000	1950000	2070000	4020000	2735	1729000	2136000	3865000	2629	2292000	1931000	4223000	2873
02/06/92	1078534000	623089000	938868000	836217000	302918000	217500000	1832000	1846000	3678000	2786	1542000	1902000	3444000	2609	2042000	1721000	3763000	2851
02/07/92	380388000	625118000	940475000	838365000	305151000	219382000	1877000	2029000	3906000	2713	1607000	2148000	3755000	2608	2233000	1882000	4115000	2858
02/08/92	382364000	627217000	942145000	840580000	307453000	221321000	1976000	2099000	4075000	2717	1670000	2215000	3885000	2590	2302000	1939000	4241000	2827
02/09/92	384502000	629491000	943955000	842971000	309947000	223422000	2138000	2274000	4412000	2723	1810000	2391000	4201000	2593	2494000	2101000	4595000	2836
02/10/92	386201000	631222000	945356000	844829000	311880000	225051000	1699000	1731000	3430000	2722	1401000	1858000	3259000	2587	1933000	1629000	3562000	2827
02/11/92	388207000	633323000	947028000	847072000	314193000	227003000	2006000	2101000	4107000	2738	1672000	2243000	3915000	2610	2313000	1952000	4265000	2843
02/12/92	390138000	635356000	948638000	849232000	316427000	228882000	1931000	2033000	3964000	2753	1610000	2160000	3770000	2618	2234000	1879000	4113000	2856
02/13/92	392061000	637377000	950245000	851371000	318643000	230752000	1923000	2021000	3944000	2739	1607000	2139000	3746000	2601	2216000	1870000	4086000	2838
02/14/92	393992000	639394000	951841000	853525000	320864000	232622000	1931000	2017000	3948000	2742	1596000	2154000	3750000	2604	2221000	1870000	4091000	2841
02/15/92	395834000	641329000	953382000	855580000	322985000	234411000	1842000	1935000	3777000	2737	1541000	2055000	3596000	2606	2121000	1789000	3910000	2833
02/16/92	397657000	643269000	954919000	857620000	325100000	236197000	1823000	1940000	3763000	2727	1537000	2040000	3577000	2592	2115000	1786000	3901000	2827
02/17/92	399724000	645470000	956671000	859923000	327494000	238218000	2067000	2201000	4268000	2736	1752000	2303000	4055000	2599	2394000	2021000	4415000	2830
02/18/92	401747000	647629000	958389000	862180000	329836000	240197000	2023000	2159000	4182000	2733	1718000	2257000	3975000	2598	2342000	1979000	4321000	2824
02/19/92	403480000	649483000	959860000	864031000	331848000	241896000	1733000	1854000	3587000	2717	1471000	1851000	3322000	2517	2012000	1699000	3711000	2811
02/20/92	405368000	651500000	961473000	866176000	334033000	243744000	1888000	2017000	3905000	2712	1613000	2145000	3758000	2610	2185000	1848000	4033000	2801
02/21/92	407255000	653517000	963085000	868320000	336218000	245591000	1887000	2017000	3904000	2711	1612000	2144000	3756000	2608	2185000	1847000	4032000	2800
02/22/92	409218000	655620000	964762000	870506000	338495000	247516000	1963000	2103000	4066000	2711	1677000	2186000	3863000	2575	2277000	1925000	4202000	2801
02/23/92	411126000	657600000	966418000	872666000	340662000	249388000	1908000	1980000	3888000	2700	1656000	2160000	3816000	2650	2167000	1872000	4039000	2805
02/24/92	412951000	659588000	967913000	874671000	342797000	251156000	1825000	1988000	3813000	2763	1495000	2005000	3500000	2536	2135000	1768000	3903000	2828
02/25/92	414890000	661649000	969557000	876833000	345031000	253048000	1939000	2061000	4000000	2721	1644000	2162000	3806000	2589	2234000	1892000	4126000	2807
02/26/92	416678000	663541000	971073000	878811000	347091000	254792000	1788000	1892000	3680000	2726	1516000	1978000	3494000	2588	2060000	1744000	3804000	2818
02/27/92	418713000	665692000	972786000	881074000	349441000	256779000	2035000	2151000	4186000	2736	1713000	2263000	3976000	2599	2350000	1987000	4337000	2835
02/28/92	420467000	667553000	974264000	883021000	351471000	258497000	1754000	1861000	3615000	2739	1478000	1947000	3425000	2595	2030000	1718000	3748000	2839
02/29/92	422068000	669530000	975856000	884840000	353474000	260197000	1601000	1977000	3578000	2485	1592000	1819000	3411000	2369	2003000	1700000	3703000	2572
	55098000	58572000	47066000	61179000	63989000	54023000	55098000	58572000	113670000	2734	47066000	61179000	108245000	2603	63989000	54023000	118012000	2838

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: MARCH 1992

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
02/29/92	199491400	47756200	48125300	201363400	136509300	379775700	286924000	220107900	161184700	247479100	314540200	41566100	9705900	116680800	94241600	206286300
03/01/92	199825700	48098200	48459500	201711800	136843400	380077400	287427300	220310200	161443100	247892400	314710900	41868900	9841900	116837400	94315900	206460800
03/02/92	200102200	48380400	48742400	202000100	137119200	380392100	287842500	220476100	161655600	248252400	314851200	42117000	9948300	116966100	94376600	206604800
03/03/92	200348300	48630200	48992500	202254400	137365800	380669800	288210600	220622300	161844500	248567400	314977800	42337000	10041500	117080000	94430000	206731500
03/04/92	200717300	49006200	49366400	202635500	137737200	381088000	288764200	220842700	162128000	248975600	315166300	42667400	10175500	117251600	94510500	206922700
03/05/92	200947900	49241000	49597200	202875500	137972900	381349400	289111400	220980200	162305300	249263600	315285500	42874300	10254500	117358700	94561500	207042100
03/06/92	201291200	49591400	49937100	203232300	138321100	381740300	289629900	221186100	162567800	249683700	315461000	43183500	10365800	117518400	94636500	207219500
03/07/92	201536700	49841200	50175600	203486500	138571900	382017900	289996200	221332600	162753900	249983000	315585700	43403400	10442100	117632900	94690400	207347100
03/08/92	201858700	50168000	50502500	203820100	138892900	382382800	290480100	221524900	162998400	250374100	315749000	43692600	10538500	117783000	94760800	207514300
03/09/92	202138500	50451500	50785300	204109600	139172500	382699300	290897200	221691700	163210900	250719100	315891100	43943000	10621800	117913200	94822300	207659600
03/10/92	202430400	50747600	51081200	204412200	139464000	382996300	291336200	221867000	163433400	251068800	316039400	44206300	10708400	118049400	94886100	207811300
03/11/92	202710100	51030600	51361400	204701000	139744000	383360100	291755900	222032300	163647500	251413800	316181800	44455300	10786500	118178900	94946700	207956000
03/12/92	203010900	51338000	51671000	205016000	140048000	383784300	292213100	222212500	163879500	251773800	316337000	44727900	10865000	118319700	95013100	208113000
03/13/92	203293400	51627300	51949900	205311100	140330900	384182500	292638700	222381100	164097100	252135700	316482300	44980900	10933800	118451700	95073800	208260500
03/14/92	203583400	51924000	52241900	205614400	140619600	384591000	293080000	222554100	164319900	252493500	316631800	45244400	11002600	118586800	95136500	208410700
03/15/92	203866200	52212300	52525800	205910100	140904700	384989000	293504000	222722700	164537200	252841000	316775800	45497200	11074100	118719300	95198000	208558500
03/16/92	204167900	52521600	52821600	206225700	141210900	385399100	293959500	222903000	164771400	253216000	316929900	45768900	11148900	118861000	95264700	208717000
03/17/92	204472500	52829300	53105800	206541300	141512200	385807600	294411400	223084600	165003100	253589500	317083000	46041000	11219400	119003000	95331400	208875000
03/18/92	204726900	53090600	53351200	206809400	141764400	386172500	294808300	223236300	165205800	253909800	317212000	46279300	11277600	119122600	95385800	209007700
03/19/92	205019600	53389600	53633100	207115600	142053300	386553000	295239000	223412000	165445000	254259400	317359800	46538500	11346800	119260300	95450100	209161300
03/20/92	205324900	53683400	53983400	207429100	142365900	386972100	295705800	223594200	165665900	254626900	317518400	46814400	11415200	119404600	95516100	209321100
03/21/92	205612500	53989700	54234500	207729800	142657300	387375800	296141500	223764400	165888100	254990200	317667700	47073100	11485500	119540800	95578400	209471500
03/22/92	205900000	54285300	54585600	208030500	142949300	387779500	296577200	223934600	166110300	255353500	317816900	47331800	11555800	119677000	95640700	209621800
03/23/92	206216800	54611200	54928900	208362400	143275000	388226100	297058300	224122400	166355300	255746700	317980000	47617200	11637200	119827400	95709400	209787900
03/24/92	206475300	54877500	55192100	208633900	143545000	388590600	297451800	224276000	166554900	256061700	318112800	47850500	11692800	119949900	95766200	209924000
03/25/92	206798300	55210300	55540100	208973200	143878000	389035300	297941900	224468500	166804400	256466700	318278800	48143500	11750100	120104800	95836000	210094000
03/26/92	207031700	55450500	55787100	209218900	144117700	389354100	298296600	224607800	166984900	256762000	318398400	48355500	11781500	120216100	95886600	210215800
03/27/92	207323500	55750300	56079900	209525800	144414800	389751900	298739500	224781900	167209500	257119100	318547500	48620000	11886200	120356200	95950400	210369800
03/28/92	207612200	56047100	56374400	209829200	144711500	390145500	299179700	224953700	167432200	257479200	318694400	48881200	11992300	120494400	96013000	210521500
03/29/92	207899700	56342400	56669400	210131100	144998700	390536500	299618900	225124800	167653900	257836700	318841000	49141500	12095900	120631400	96075200	210672400
03/30/92	208195700	56645300	56971500	210439900	145292000	390937900	300066100	225299800	167880300	258201300	318991100	49406500	12201100	120773300	96139500	210828300
03/31/92	208483200	56938900	57275900	210737000	145585300	391339900	300499800	225468100	168102200	258553200	319137100	49662000	12306500	120908700	96200400	210978200

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: MARCH 1992

	VOLUME OF WATER PUMPED (GALLONS)																
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
03/01/92	334300	342000	334200	348400	334100	301700	503300	202300	258400	413300	170700	302800	136000	156600	74300	174500	4386900
03/02/92	276500	282200	282900	288300	275800	314700	415200	165900	212500	360000	140300	248100	106400	128700	60700	144000	3702200
03/03/92	246100	249800	250100	254300	246600	277700	368100	146200	188900	315000	126600	220000	93200	113900	53400	126700	3276600
03/04/92	369000	376000	373900	381100	371400	418200	553600	220400	283500	408200	188500	330400	134000	171600	80500	191200	4851500
03/05/92	230600	234800	230800	240000	235700	261400	347200	137500	177300	288000	119200	206900	79000	107100	51000	119400	3065900
03/06/92	343300	350400	339900	356800	348200	390900	518500	205900	262500	420100	175500	309200	111300	159700	75000	177400	4544600
03/07/92	245500	249800	238500	254200	250800	277600	366300	146500	186100	299300	124700	219900	76300	114500	53900	127600	3231500
03/08/92	322000	326800	326900	333600	321000	364900	483900	192300	244500	391100	163300	289200	96400	150100	70400	167200	4243600
03/09/92	279800	283500	282800	289500	279600	316500	417100	166800	212500	345000	142100	250400	83300	130200	61500	145300	3685900
03/10/92	291900	296100	295900	302600	291500	297000	439000	175300	222500	349700	148300	263300	86600	136200	63800	151700	3811400
03/11/92	279700	283000	280200	288800	280000	363800	419700	165300	214100	345000	142400	249000	78100	129500	60600	144700	3723900
03/12/92	300800	307400	309600	315000	304000	424200	457200	180200	232000	360000	155200	272600	78500	140800	66400	157000	4060900
03/13/92	282500	289300	278900	295100	282900	398200	425600	168600	217600	361900	145300	253000	68800	132000	60700	147500	3807900
03/14/92	290000	296700	292000	303300	288700	408500	441300	173000	222800	357800	149500	263500	68800	135100	62700	150200	3903900
03/15/92	282800	288300	283900	295700	285100	398000	424000	168600	217300	347500	144000	252800	71500	132500	61500	147800	3801300
03/16/92	301700	309300	295800	315600	306200	410100	455500	180300	234200	375000	154100	271700	74800	141700	66700	158500	4051200
03/17/92	304600	307700	284200	315600	301300	408500	451900	181600	231700	373500	153100	272100	70500	142000	66700	158000	4023000
03/18/92	254400	261300	245400	268100	252200	364900	396900	151700	202700	320300	129000	238300	58200	119600	54400	132700	3450100
03/19/92	292700	299000	281900	306200	288900	380500	430700	175700	239200	349600	147800	259200	69200	137700	64300	153600	3876200
03/20/92	305300	293800	350300	313500	312600	419100	466800	182200	220900	367500	158600	275900	68400	144300	66000	159800	4105000
03/21/92	287600	306300	251100	300700	291400	403700	435700	170200	222200	363300	149300	258700	70300	136200	62300	150400	3859400
03/22/92	287500	295600	351100	300700	292000	403700	435700	170200	222200	363300	149200	258700	70300	136200	62300	150300	3949000
03/23/92	316800	325900	343300	331900	325700	446600	481100	187800	245000	393200	163100	285400	81400	150400	68700	166100	4312400
03/24/92	258500	266300	263200	271500	270000	364500	393500	153600	199600	315000	132800	233300	55600	122500	56800	136100	3492800
03/25/92	323000	332800	348000	339300	333000	444700	490100	192500	249500	405000	166000	293000	57300	154900	69800	170000	4368900
03/26/92	233400	240200	247000	245700	239700	318800	354700	139300	180500	295300	119600	212000	31400	111300	50600	121800	3141300
03/27/92	291800	299800	292800	306900	297100	397800	442900	174100	224600	357100	149100	264500	104700	140100	63800	154000	3961100
03/28/92	288700	296800	294500	303400	296700	393600	440200	171800	222700	360100	146900	261200	106100	138200	62600	151700	3935200
03/29/92	287500	295300	295000	301900	287200	391000	439200	171100	221700	357500	146600	260300	103600	137000	62200	150900	3908000
03/30/92	296000	302900	302100	308800	293300	401400	447200	175000	226400	364600	150100	265000	105200	141900	64300	155900	4000100
03/31/92	287500	293600	304400	297100	293300	402000	433700	168300	221900	351900	146000	255500	105400	135400	60900	149900	3906800
TOTAL	8991800	9182700	9150600	9373600	9076000	11564200	13575800	5360200	6917500	11074100	4596900	8095900	2600600	4227900	1958800	4691900	120438500

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: MARCH 1992

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
02/29/92	422068000	669530000	975856000	884840000	353474000	260197000	-	-	-	-	-	-	-	-	-	-	-	-
03/01/92	424183000	671857000	977690000	887230000	355966000	262311000	2115000	2327000	4442000	2692	1834000	2390000	4224000	2560	2492000	2114000	4606000	2792
03/02/92	425999000	673790000	979225000	889257000	358066000	264100000	1816000	1933000	3749000	2717	1535000	2027000	3562000	2581	2100000	1789000	3889000	2818
03/03/92	427590000	675490000	980558000	891052000	359912000	265668000	1591000	1700000	3291000	2612	1333000	1795000	3128000	2483	1846000	1568000	3414000	2710
03/04/92	430010000	678065000	982598000	893761000	362710000	268053000	2420000	2575000	4995000	2730	2040000	2709000	4749000	2595	2798000	2385000	5183000	2832
03/05/92	431505000	679668000	983868000	895435000	364448000	269537000	1495000	1603000	3098000	2648	1270000	1674000	2944000	2516	1738000	1484000	3222000	2754
03/06/92	433722000	682047000	985755000	897917000	367024000	271735000	2217000	2379000	4596000	2736	1887000	2482000	4369000	2601	2576000	2198000	4774000	2842
03/07/92	435325000	683765000	987116000	899714000	368885000	273322000	1603000	1718000	3321000	2700	1361000	1797000	3158000	2567	1861000	1587000	3448000	2803
03/08/92	437411000	686002000	988890000	902050000	371314000	275394000	2086000	2237000	4323000	2719	1774000	2336000	4110000	2585	2429000	2072000	4501000	2831
03/09/92	439220000	687944000	990434000	904071000	373421000	277192000	1809000	1942000	3751000	2718	1544000	2021000	3565000	2583	2107000	1798000	3905000	2830
03/10/92	441078000	689961000	992046000	906150000	375606000	279054000	1858000	2017000	3875000	2691	1612000	2079000	3691000	2563	2185000	1862000	4047000	2810
03/11/92	442905000	691898000	993585000	908192000	377727000	280859000	1827000	1937000	3764000	2728	1539000	2042000	3581000	2595	2121000	1805000	3926000	2845
03/12/92	444950000	694009000	995270000	910430000	380035000	282830000	2045000	2111000	4156000	2771	1685000	2238000	3923000	2615	2308000	1971000	4279000	2853
03/13/92	446800000	695983000	996832000	912538000	382219000	284687000	1850000	1974000	3824000	2712	1562000	2108000	3670000	2603	2184000	1857000	4041000	2866
03/14/92	448739000	698006000	998437000	914699000	384449000	286586000	1939000	2023000	3962000	2751	1605000	2161000	3766000	2615	2230000	1899000	4129000	2867
03/15/92	450642000	699993000	1000004000	916830000	386637000	288451000	1903000	1987000	3890000	2759	1567000	2131000	3698000	2623	2188000	1865000	4053000	2874
03/16/92	452620000	702099000	1001676000	919043000	388932000	290409000	1978000	2106000	4084000	2723	1672000	2213000	3885000	2590	2295000	1958000	4253000	2835
03/17/92	454618000	704210000	1003349000	921279000	391245000	292381000	1998000	2111000	4109000	2739	1673000	2236000	3909000	2606	2313000	1972000	4285000	2857
03/18/92	456302000	705996000	1004766000	923160000	393203000	294044000	1684000	1786000	3470000	2754	1417000	1881000	3298000	2617	1958000	1663000	3621000	2874
03/19/92	458242000	708042000	1006392000	925326000	395445000	295956000	1940000	2046000	3986000	2712	1626000	2166000	3792000	2580	2242000	1912000	4154000	2826
03/20/92	460293000	710205000	1008104000	927622000	397825000	297984000	2051000	2163000	4214000	2809	1712000	2296000	4008000	2672	2380000	2028000	4408000	2939
03/21/92	462250000	712226000	1009711000	929796000	400064000	299890000	1957000	2021000	3978000	2763	1607000	2174000	3781000	2626	2239000	1906000	4145000	2878
03/22/92	464207000	714247000	1011318000	931970000	402304000	301796000	1957000	2021000	3978000	2763	1607000	2174000	3781000	2626	2240000	1906000	4146000	2879
03/23/92	466371000	716480000	1013096000	934370000	404784000	303905000	2164000	2233000	4397000	2765	1778000	2400000	4178000	2628	2480000	2109000	4589000	2886
03/24/92	468123000	718295000	1014541000	936326000	406792000	305619000	1752000	1815000	3567000	2765	1445000	1956000	3401000	2636	2008000	1714000	3722000	2885
03/25/92	470308000	720572000	1016357000	938749000	409303000	307760000	2185000	2277000	4462000	2754	1816000	2423000	4239000	2617	2511000	2141000	4652000	2872
03/26/92	471870000	722211000	1017664000	940486000	411103000	309297000	1562000	1639000	3201000	2736	1307000	1737000	3044000	2602	1800000	1537000	3337000	2852
03/27/92	473837000	724272000	1019309000	942674000	413370000	311234000	1967000	2061000	4028000	2740	1645000	2188000	3833000	2607	2267000	1937000	4204000	2860
03/28/92	475789000	726302000	1020931000	944837000	415612000	313149000	1952000	2030000	3982000	2765	1622000	2163000	3785000	2628	2242000	1915000	4157000	2887
03/29/92	477724000	728318000	1022536000	946988000	417836000	315051000	1935000	2016000	3951000	2744	1605000	2151000	3756000	2608	2224000	1902000	4126000	2865
03/30/92	479689000	730361000	1024173000	949164000	420098000	316984000	1965000	2043000	4008000	2672	1637000	2176000	3813000	2542	2262000	1933000	4195000	2797
03/31/92	481676000	732390000	1025792000	951357000	422349000	318911000	1987000	2029000	4016000	2789	1619000	2193000	3812000	2647	2251000	1927000	4178000	2901
	59608000	62860000	49936000	66517000	68875000	58714000	59608000	62860000	122468000	2743	49936000	66517000	116453000	2609	68875000	58714000	127589000	2858

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: APRIL 1992

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
03/31/92	208483200	56938900	57275900	210737000	145585300	391339900	300499800	225468100	168102200	258553200	319137100	49662000	12306500	120908700	96200400	210978200
04/01/92	208778200	57238600	57591900	211042400	145884800	391752400	300945700	225641300	168329000	258914700	319286500	49925400	12413200	121048300	96261600	211131700
04/02/92	209050000	57515400	57869700	211324100	146157400	392133000	301356200	225801200	168537000	259247000	319423500	50168100	12508000	121177300	96318800	211273600
04/03/92	209350500	57822300	58165300	211635700	146457400	392553000	301809100	225977800	168766900	259619800	319574700	50436000	12609600	121320100	96382100	211430700
04/04/92	209635000	58112000	58447200	211931000	146743800	392951400	302238400	226145200	168984200	259972500	319718000	50690300	12702800	121455200	96441900	211579200
04/05/92	209926100	58407700	58736700	212233400	147044200	393359100	302677600	226316600	169206200	260333900	319864700	50950600	12795200	121593500	96503300	211731500
04/06/92	210208300	58695400	59018200	212526700	147327600	393754700	303103700	226483000	169421700	260684100	320006900	51203400	12881900	121728000	96563000	211879500
04/07/92	210496400	58989400	59306900	212826900	147620600	394159300	303539100	226653100	169641300	261042400	320152000	51461900	12967700	121865300	96623900	212030600
04/08/92	210841200	59337800	59649600	213182300	147970400	394638900	304058200	226854000	169906700	261472000	320327500	51768300	13065100	122028300	96696100	212210200
04/09/92	211079400	59578500	59887000	213427600	148209700	394970500	304414200	226992800	170088600	261767500	320448600	51980300	13130200	122141200	96745900	212333700
04/10/92	211371200	59873600	60178600	213728700	148511400	395378000	304854400	227163100	170311500	262130400	320595600	52240800	13207400	122279100	96806900	212485300
04/11/92	211660500	60166300	60467900	214026800	148801100	395780100	305288700	227331500	170532400	262487400	320741500	52498300	13280300	122416400	96867800	212636300
04/12/92	211954100	60459600	60764400	214328000	149097700	396187000	305727700	227501400	170757600	262849800	320888100	52758400	13350900	122554500	96929000	212788300
04/13/92	212253000	60760500	61067700	214635900	149403700	396601800	306176600	227674900	170985200	263218200	321037100	53024200	13418200	122695700	96991800	212943400
04/14/92	212551900	61061400	61370900	214943600	149709700	397016700	306625500	227848400	171212900	263586600	321186200	53290000	13485600	122836900	97054600	213098500
04/15/92	212907800	61419000	61732600	215308800	150065000	397508600	307152800	228053900	171481500	264021300	321365300	53603800	13556400	123004800	97129200	213283100
04/16/92	213178900	61691100	62009000	215587100	150334900	397883400	307555500	228210500	171685700	264354300	321501100	53843300	13607600	123132900	97186000	213423800
04/17/92	213436700	61940300	62263300	215842700	150582400	398227900	307926400	228354200	171873300	264659700	321625800	54063700	13652700	123250500	97238100	213552600
04/18/92	213724700	62228300	62551300	216137900	150873300	398631100	308358400	228524100	172096500	265019800	321769800	54324300	13717500	123387300	97302900	213703800
04/19/92	214073400	62510300	62833300	216426300	151160200	399014700	308773600	228681300	172303200	265357900	321914800	54567000	13753000	123519600	97356800	213847200
04/20/92	214438000	62819400	63144400	216743400	151466700	399441800	309233500	228858700	172536800	265740200	322070400	54840300	13806300	123665100	97420700	214006300
04/21/92	214772200	63146200	63469700	217074300	151792000	399882800	309715000	229044500	172783700	266138600	322235800	55124600	13851700	123818600	97488500	214174000
04/22/92	215045100	63400700	63736200	217332100	152040700	400224800	310088200	229189200	172972800	266450300	322362900	55345700	13917400	123937700	97542100	214305200
04/23/92	215277600	63634100	63979600	217571900	152269200	400542000	310430800	229323800	173144900	266736900	322479300	55551400	13980100	124047400	97591400	214425500
04/24/92	215674400	64020200	64377100	217967800	152645200	401064500	310996100	229545700	173427500	267210000	322670600	55890200	14083600	124228600	97673300	214624500
04/25/92	215939700	64274500	64616500	218228900	152893700	401409200	311368600	229692200	173613800	267522100	322796200	56114000	14150000	124347500	97727400	214755200
04/26/92	216244100	64562800	64885300	218526800	153179700	401802000	311794400	229859400	173826500	267877500	322939600	56369300	14224400	124483600	97789400	214905000
04/27/92	216535000	64856500	65170400	218829200	153470500	402202300	312227800	230029300	174042500	268241800	323087900	56627000	14296400	124623200	97852700	215051800
04/28/92	216826800	65150500	65460400	219128700	153763500	402604000	312662600	230199000	174259900	268603200	323234800	56887600	14366900	124762800	97913100	215203000
04/29/92	217180000	65468000	65816700	219453100	154077300	403026800	313126000	230378000	174492200	268984900	323393000	57164400	14456200	124906600	97981800	215371100
04/30/92	217467500	65745600	66104900	219738000	154349400	403400900	313531900	230536800	174697900	269323700	323532800	57407500	14529200	125037200	98041400	215515700

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: APRIL 1992

	VOLUME OF WATER PUMPED (GALLONS)																TOTAL
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	
04/01/92	295000	299700	316000	305400	299500	412500	445900	173200	226800	361500	149400	263400	106700	139600	61200	153500	4009300
04/02/92	271800	276800	277800	281700	272600	380600	410500	159900	208000	332300	137000	242700	94800	129000	57200	141900	3674600
04/03/92	300500	306900	295600	311600	300000	420000	452900	176600	229900	372800	151200	267900	101600	142800	63300	157100	4050700
04/04/92	284500	289700	281900	295300	286400	398400	429300	167400	217300	352700	143300	254300	93200	135100	59800	148500	3837100
04/05/92	291100	295700	289500	302400	300400	407700	439200	171400	222000	361400	146700	260300	92400	138300	61400	152300	3932200
04/06/92	282200	287700	281500	293300	283400	395600	426100	166400	215500	350200	142200	252800	86700	134500	59700	148000	3805800
04/07/92	288100	294000	288700	300200	293000	404600	435400	170100	219600	358300	145100	258500	85800	137300	60900	151100	3890700
04/08/92	344800	348400	342700	355400	349800	479600	519100	200900	265400	429600	175500	306400	97400	163000	72200	179600	4629800
04/09/92	238200	240700	237400	245300	239300	331600	356000	138800	181900	295500	121100	212000	65100	112900	49800	123500	3189100
04/10/92	291800	295100	291600	301100	301700	407500	440200	170300	222900	362900	147000	260500	77200	137900	61000	151600	3920300
04/11/92	289300	292700	289300	298100	289700	402100	434300	168400	220900	357000	145900	257500	72900	137300	60900	151000	3867300
04/12/92	293600	293300	296500	301200	296600	406900	439000	169900	225200	362400	146600	260100	70600	138100	61200	152000	3913200
04/13/92	298900	300900	303300	307900	306000	414800	448900	173500	227600	368400	149000	265800	67300	141200	62800	155100	3991400
04/14/92	298900	300900	303200	307700	306000	414900	448900	173500	227700	368400	149100	265800	67400	141200	62800	155100	3991500
04/15/92	355900	357600	361700	365200	355300	491900	527300	205500	268600	434700	179100	313800	70800	167900	74600	184600	4714500
04/16/92	271100	272100	276400	278300	269900	374800	402700	156600	204200	333000	135800	239500	51200	128100	56800	140700	3591200
04/17/92	257800	249200	254300	255600	247500	344500	370900	143700	187600	305400	124700	220400	45100	117600	52100	128800	3305200
04/18/92	288000	288000	288000	295200	290900	403200	432000	169900	223200	360100	144000	260600	64800	136800	64800	151200	3860700
04/19/92	348700	282000	282000	288400	286900	383600	415200	157200	206700	338100	145000	242700	35500	132300	53900	143400	3741600
04/20/92	364600	309100	311100	317100	306500	427100	459900	177400	233600	382300	155600	273300	53300	145500	63900	159100	4139400
04/21/92	334200	326800	325300	330900	325300	441000	481500	185800	246900	398400	165400	284300	45400	153500	67800	167700	4280200
04/22/92	272900	254500	266500	257800	248700	342000	373200	144700	189100	311700	127100	221100	65700	119100	53600	131200	3378900
04/23/92	232500	233400	243400	239800	228500	317200	342600	134600	172100	286600	116400	205700	62700	109700	49300	120300	3094800
04/24/92	396800	386100	397500	395900	376000	522500	565300	221900	282600	473100	191300	338800	103500	181200	81900	199000	5113400
04/25/92	265300	254300	239400	261100	248500	344700	372500	146500	186300	312100	125600	223800	66400	118900	54100	130700	3350200
04/26/92	304400	288300	268800	297900	286000	392800	425800	167200	212700	355400	143400	255300	74400	136100	62000	149800	3820300
04/27/92	290900	293700	285100	302400	290800	400300	433400	169900	216000	364300	148300	257700	72000	139600	63300	146800	3874500
04/28/92	291800	294000	290000	299500	293000	401700	434800	169700	217400	361400	146900	260600	70500	139600	60400	151200	3882500
04/29/92	353200	317500	356300	324400	313800	422800	463400	179000	232300	381700	158200	276800	89300	143800	68700	168100	4249300
04/30/92	287500	277600	288200	284900	272100	374100	405900	158800	205700	338800	139800	243100	73000	130600	59600	144600	3684300
TOTAL	8984300	8806700	8829000	9001000	8764100	12061000	13032100	5068700	6595700	10770500	4395700	7745500	2222700	4128500	1841000	4537500	116784000

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: APRIL 1992

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
03/31/92	481676000	732390000	1025792000	951357000	422349000	318911000	-	-	-	-	-	-	-	-	-	-	-	-
04/01/92	483687000	734454000	1027438000	953583000	424642000	320871000	2011000	2064000	4075000	2772	1646000	2226000	3872000	2634	2293000	1960000	4253000	2893
04/02/92	485521000	736353000	1028946000	955621000	426739000	322668000	1834000	1899000	3733000	2765	1508000	2038000	3546000	2627	2097000	1797000	3894000	2884
04/03/92	487541000	738448000	1030626000	957856000	429053000	324651000	2020000	2095000	4115000	2743	1680000	2235000	3915000	2610	2314000	1983000	4297000	2865
04/04/92	489457000	740432000	1032210000	959974000	431244000	326529000	1916000	1984000	3900000	2766	1584000	2118000	3702000	2626	2191000	1878000	4069000	2886
04/05/92	491406000	742461000	1033826000	962142000	433481000	328447000	1949000	2029000	3978000	2652	1616000	2168000	3784000	2523	2237000	1918000	4155000	2770
04/06/92	493293000	744428000	1035400000	964235000	435644000	330301000	1887000	1967000	3854000	2733	1574000	2093000	3667000	2601	2163000	1854000	4017000	2849
04/07/92	495238000	746443000	1037010000	966389000	437867000	332206000	1945000	2015000	3960000	2750	1610000	2154000	3764000	2614	2223000	1905000	4128000	2867
04/08/92	497559000	748838000	1038937000	968943000	440515000	334478000	2321000	2395000	4716000	2758	1927000	2554000	4481000	2620	2648000	2272000	4920000	2877
04/09/92	499150000	750492000	1040264000	970704000	442338000	336042000	1591000	1654000	3245000	2774	1327000	1761000	3088000	2639	1823000	1564000	3387000	2895
04/10/92	501099000	752514000	1041888000	972857000	444569000	337958000	1949000	2022000	3971000	2758	1624000	2153000	3777000	2623	2231000	1916000	4147000	2880
04/11/92	503041000	754526000	1043505000	975000000	446787000	339863000	1942000	2012000	3954000	2746	1617000	2143000	3760000	2611	2218000	1905000	4123000	2863
04/12/92	504997000	756555000	1045136000	977157000	449024000	341784000	1956000	2029000	3985000	2767	1631000	2157000	3788000	2631	2237000	1921000	4158000	2888
04/13/92	506991000	758625000	1046797000	979358000	451439000	343745000	1994000	2070000	4064000	2765	1661000	2201000	3862000	2627	2415000	1961000	4376000	2977
04/14/92	508986000	760696000	1048459000	981560000	453584000	345706000	1995000	2071000	4066000	2766	1662000	2202000	3864000	2629	2145000	1961000	4106000	2793
04/15/92	511352000	763158000	1050435000	984174000	456297000	348035000	2366000	2462000	4828000	2728	1976000	2614000	4590000	2593	2713000	2329000	5042000	2849
04/16/92	513156000	765036000	1051944000	986162000	458357000	349807000	1804000	1878000	3682000	2789	1509000	1988000	3497000	2649	2060000	1772000	3832000	2903
04/17/92	514808000	766751000	1053317000	987990000	460244000	351431000	1652000	1715000	3367000	2737	1373000	1828000	3201000	2602	1887000	1624000	3511000	2854
04/18/92	516795000	768781000	1054641000	990409000	462145000	353670000	1987000	2030000	4017000	2790	1324000	2419000	3743000	2599	1901000	2239000	4140000	2875
04/19/92	518631000	770689000	1056477000	992208000	464595000	355177000	1836000	1908000	3744000	2773	1836000	1799000	3635000	2693	2450000	1507000	3957000	2931
04/20/92	520715000	772817000	1058185000	994509000	466953000	357208000	2084000	2128000	4212000	2753	1708000	2301000	4009000	2620	2358000	2031000	4389000	2869
04/21/92	522882000	775032000	1060000000	996856000	469407000	359324000	2167000	2215000	4382000	2705	1815000	2347000	4162000	2569	2454000	2116000	4570000	2821
04/22/92	524593000	776779000	1061418000	998725000	471365000	361020000	1711000	1747000	3458000	2681	1418000	1869000	3287000	2548	1958000	1696000	3654000	2833
04/23/92	526138000	778383000	1062700000	1000432000	473139000	362556000	1545000	1604000	3149000	2762	1282000	1707000	2989000	2622	1774000	1536000	3310000	2904
04/24/92	528702000	781040000	1064829000	1003260000	476088000	365110000	2564000	2657000	5221000	2853	2129000	2828000	4957000	2709	2949000	2554000	5503000	3007
04/25/92	530363000	782774000	1066229000	1005084000	478010000	366774000	1661000	1734000	3395000	2902	1400000	1824000	3224000	2756	1922000	1664000	3586000	3065
04/26/92	532258000	784755000	1067825000	1007177000	480200000	368671000	1895000	1981000	3876000	2749	1596000	2093000	3689000	2616	2190000	1897000	4087000	2899
04/27/92	534238000	786778000	1069539000	1009690000	482468000	370622000	1980000	2023000	4003000	2780	1714000	2513000	4227000	2935	2268000	1951000	4219000	2930
04/28/92	536210000	788808000	1071259000	1012138000	484728000	372602000	1972000	2030000	4002000	2779	1720000	2448000	4168000	2894	2260000	1980000	4240000	2944
04/29/92	538240000	790942000	1072818000	1013747000	487086000	374638000	2030000	2134000	4164000	2776	1559000	1609000	3168000	2112	2358000	2036000	4394000	2929
04/30/92	540113000	792874000	1074374000	1015798000	489234000	376499000	1873000	1932000	3805000	2757	1556000	2051000	3607000	2614	2148000	1861000	4009000	2905
	58437000	60484000	48582000	64441000	66885000	57588000	58437000	60484000	118921000	2760	48582000	64441000	113023000	2624	66885000	57588000	124473000	2889

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: MAY 1992

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
04/30/92	217467500	65745600	66104900	219738000	154349400	403400900	313531900	230536800	174697900	269323700	323532800	57407500	14529200	125037200	98041400	215515700
05/01/92	217858300	66129800	66502800	220131200	154722900	403920000	314096000	230759700	174980600	269793400	323725700	57745100	14644100	125216200	98123000	215713600
05/02/92	218074600	66335600	66721500	220342900	154922400	404198600	314397900	230874600	175133700	270044100	323829700	57925900	14706400	125312900	98167000	215820600
05/03/92	218381600	66642400	67037300	220660100	155230000	404616600	314850500	231051500	175361200	270422300	323984600	58198000	14798700	125457100	98232600	215979900
05/04/92	218668300	66924600	67315900	220950400	155509000	404999400	315266100	231213700	175571100	270769100	324126500	58446700	14883100	125589400	98292900	216126300
05/05/92	218946900	67194400	67573000	221228800	155776500	405366000	315664400	231369100	175772200	271100800	324261600	58685300	14964300	125716300	98351000	216266600
05/06/92	219242500	67489500	67863100	221533600	156066200	405767500	316096100	231539200	175997200	271463600	324410300	58946700	15053300	125855100	98414400	216420300
05/07/92	219537700	67784400	68154200	221838500	156356000	406169100	316527900	231709400	176210300	271826500	324559100	59208200	15142200	125994000	98477700	216575000
05/08/92	219849800	68092100	68484500	222152400	156659600	406582500	316980000	231883800	176431900	272201300	324712300	59476700	15235700	126136800	98543100	216732600
05/09/92	220164800	68399600	68790500	222468900	156962600	406999500	317428500	232062300	176658400	272579300	324866800	59749700	15324200	126279300	98607600	216891600
05/10/92	220481400	68699400	69077700	222777000	157261000	407404500	317872500	232231400	176879500	272946900	325013900	60011600	15420700	126420400	98672700	217047100
05/11/92	220789900	69000900	69361900	223088200	157561800	407817600	318319300	232404800	177102700	273318300	325162500	60277700	15513000	126562000	98737400	217204200
05/12/92	221057800	69258000	69607000	223353100	157812700	408169300	318700100	232552200	177292800	273634500	325288500	60504500	15587300	126682600	98792400	217338000
05/13/92	221391500	69575800	69913300	223682300	158122700	408605900	319171800	232735200	177528200	273968400	325445000	60785800	15679400	126832500	98860900	217504400
05/14/92	221687300	69868700	70196200	223985200	158412800	409008000	319605200	232903400	177744500	274385900	325592300	61045000	15765100	126970000	98923700	217657400
05/15/92	221989600	70162400	70491000	224287800	158701700	409409700	320037600	233071300	177961500	274746000	325739600	61303900	15851100	127107400	98986300	217810200
05/16/92	222329000	70499400	70824900	224635400	159031300	409871300	320535700	233264100	178214600	275162100	325908800	61601200	15949500	127263600	99057200	217983700
05/17/92	222575400	70738800	71049200	224882300	159265600	410199200	320891100	233401000	178398000	275459400	326028900	61812800	16015200	127376500	99108100	218109000
05/18/92	222882900	71036200	71334900	225190800	159560200	410611300	321334800	233571900	178625700	275829600	326178600	62077200	16096600	127517400	99171700	218265300
05/19/92	223214100	71356500	71648900	225524900	159886700	411057800	321814600	233757500	178871300	276227700	326340500	62363700	16183200	127669500	99241800	218435400
05/20/92	223503000	71631400	71910100	225807700	160161500	411436200	322220800	233913400	179079700	276566400	326478500	62605600	16266000	127799100	99299500	218578100
05/21/92	223821300	71939100	72202700	226124700	160469000	411856300	322676400	234088500	179313400	276946600	326631500	62876900	16336100	127943500	99365100	218738200
05/22/92	224115100	72226900	72484100	226421700	160752800	412244200	323102000	234252600	179530500	277303000	326775700	63131400	16410100	128078700	99426700	218888400
05/23/92	224463800	72550800	72813200	226728500	161084600	412698500	323588000	234440500	179778800	277711600	326938700	63422400	16497300	128233700	99497400	219060300
05/24/92	224722200	72792800	73056400	226969300	161333500	413037000	323950500	234580300	179964700	278013900	327060000	63639400	16557300	128349300	99550000	219188300
05/25/92	225053100	73106200	73365900	227280500	161662200	413474300	324420800	234761100	180203400	278405100	327216300	63919700	16640000	128498300	99618000	219353300
05/26/92	225367900	73403300	73658300	227574100	161961600	413887100	324864000	234931400	180431000	278777200	327364500	64184700	16716700	128638900	99682100	219509100
05/27/92	225635700	73657600	73909400	227825600	162210100	414241100	325243100	235077700	180624900	279094400	327493200	64411600	16782000	128759500	99737300	219642800
05/28/92	225943400	73952700	74202600	228121000	162504900	414657100	325687800	235249800	180852800	279468800	327644700	64678700	16856900	128901100	99802400	219799700
05/29/92	226243500	74240500	74493100	228409000	162790900	415060000	326118500	235416400	181073400	279829100	327791600	64937200	16927900	129038700	99865500	219952500
05/30/92	226574300	74553400	74806000	228722600	163099000	415498800	326587700	235597600	181314300	280223400	327949900	65218900	17003400	129188200	99934200	220118600
05/31/92	226875200	74842800	75094000	229013400	163388400	415904800	327021100	235767500	181536000	280590600	328096700	65479500	17078200	129326400	99997500	220271200

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: MAY 1992

	VOLUME OF WATER PUMPED (GALLONS)																
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
05/01/92	390800	384200	397900	393200	373500	519100	564100	222900	282700	469700	192900	337600	114900	179000	81600	197900	5102000
05/02/92	216300	205800	218700	211700	199500	278600	301900	114900	153100	250700	104000	180800	62300	96700	44000	107000	2746000
05/03/92	307000	306800	315800	317200	307600	418000	452600	176900	227500	378200	154900	272100	92300	144200	65600	159300	4096000
05/04/92	286700	282200	278600	290300	279000	382800	415600	162200	209900	346800	141900	248700	84400	132300	60300	146400	3748100
05/05/92	278600	269800	257100	278400	267500	366600	398300	155400	201100	331700	135100	238600	81200	126900	58100	140300	3584700
05/06/92	295600	295100	290100	304800	289700	401500	431700	170100	225000	362800	148700	261400	89000	138800	63400	153700	3921400
05/07/92	295200	294900	291100	304900	289800	401600	431800	170200	213100	362900	148800	261500	88900	138900	63300	154700	3911600
05/08/92	312100	307700	330300	313900	303600	413400	452100	174400	221600	374800	153200	268500	93500	142800	65400	157600	4084900
05/09/92	315000	307500	306000	316500	303000	417000	448500	178500	226500	378000	154500	273000	88500	142500	64500	159000	4078500
05/10/92	316600	299800	287200	308100	298400	405000	444000	169100	221100	367600	147100	261900	96500	141100	65100	155500	3984100
05/11/92	308500	301500	284200	311200	300800	413100	446800	173400	223200	371400	148600	266100	92300	141600	64700	157100	4004500
05/12/92	267900	257100	245100	264900	250900	351700	380800	147400	190100	316200	126000	226800	74300	120600	55000	133800	3408600
05/13/92	333700	317800	306300	329200	310000	436600	471700	183000	235400	333900	156500	281300	92100	149900	68500	166400	4172300
05/14/92	295800	292900	282900	302900	290100	402100	433400	168200	216300	417500	147300	259200	85700	137500	62800	153000	3947600
05/15/92	302300	293700	294800	302600	288900	401700	432400	167900	217000	360100	147300	258900	86000	137400	62600	152800	3906400
05/16/92	339400	337000	333900	347600	329600	461600	498100	192800	253100	416100	169200	297300	98400	156200	70900	173500	4474700
05/17/92	246400	239400	224300	246900	234300	327900	355400	136900	183400	297300	120100	211600	65700	112900	50900	125300	3178700
05/18/92	307500	297400	285700	308500	294600	412100	443700	170900	227700	370200	149700	264400	81400	140900	63600	156300	3974600
05/19/92	331200	320300	314000	334100	326500	446500	479800	185600	245600	398100	161900	286500	86600	152100	70100	170100	4309000
05/20/92	288900	274900	261200	282800	274800	378400	406200	155900	208400	338700	138000	241900	82800	129600	57700	142700	3662900
05/21/92	318300	307700	292600	317000	307500	420100	455600	175100	233700	380200	153000	271300	70100	144400	65600	160100	4072300
05/22/92	293800	287800	281400	297000	283800	387900	425600	164100	217100	356400	144200	254500	74000	135200	61600	150200	3814600
05/23/92	348700	323900	329100	306800	331800	454300	486000	187900	248300	408600	163000	291000	87200	155000	70700	171900	4364200
05/24/92	258400	242000	243200	240800	248900	338500	362500	139800	185900	302300	121300	217000	60000	115600	52600	128000	3256800
05/25/92	330900	313400	309500	311200	328700	437300	470300	180800	238700	391200	156300	280300	82700	149000	68000	165000	4213300
05/26/92	314800	297100	292400	293600	299400	412800	443200	170300	227600	372100	148200	265000	76700	140600	64100	155800	3973700
05/27/92	267800	254300	251100	251500	248500	354000	379100	146300	193900	317200	128700	226900	65300	120600	55200	133700	3394100
05/28/92	307700	295100	293200	295400	294800	416000	444700	172100	227900	374400	151500	267100	74900	141600	65100	156900	3978400
05/29/92	300100	287800	290500	288000	286000	402900	430700	166600	220600	360300	146900	258500	71000	137600	63100	152800	3863400
05/30/92	330800	312900	312900	313600	308100	438800	469200	181200	240900	394300	158300	281700	75500	149500	68700	166100	4202500
05/31/92	300900	289400	288000	290800	289400	406000	433400	169900	221700	367200	146800	260600	74800	138200	63300	152600	3893000
TOTAL	9407700	9097200	8989100	9275400	9039000	12503900	13489200	5230700	6838100	11266900	4563900	8072000	2549000	4289200	1956100	4755500	121322900

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: MAY 1992

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
04/30/92	540113000	792874000	1074374000	1015798000	489234000	376499000	-	-	-	-	-	-	-	-	-	-	-	-
05/01/92	542648000	795490000	1076485000	1018574000	492149000	379025000	2535000	2616000	5151000	2769	2111000	2776000	4887000	2627	2915000	2526000	5441000	2925
05/02/92	544039000	796918000	1077640000	1020100000	493745000	380405000	1391000	1428000	2819000	2764	1155000	1526000	2681000	2628	1596000	1380000	2976000	2918
05/03/92	546076000	799032000	1079340000	1022346000	496098000	382437000	2037000	2114000	4151000	2767	1700000	2246000	3946000	2631	2353000	2032000	4385000	2923
05/04/92	547942000	800972000	1080912000	1024390000	498254000	384301000	1866000	1940000	3806000	2758	1572000	2044000	3616000	2620	2156000	1864000	4020000	2913
05/05/92	549708000	802826000	1082408000	1026329000	500308000	386077000	1766000	1854000	3620000	2742	1496000	1939000	3435000	2602	2054000	1776000	3830000	2902
05/06/92	551644000	804859000	1084056000	1028454000	502558000	388023000	1936000	2033000	3969000	2756	1648000	2125000	3773000	2620	2250000	1946000	4196000	2914
05/07/92	553583000	806892000	1085704000	1030577000	504808000	389972000	1939000	2033000	3972000	2758	1648000	2123000	3771000	2619	2250000	1949000	4199000	2916
05/08/92	555628000	808996000	1087397000	1032824000	507165000	392006000	2045000	2104000	4149000	2766	1693000	2247000	3940000	2627	2357000	2034000	4391000	2927
05/09/92	557743000	811089000	1088995000	1035367000	509475000	393993000	2115000	2093000	4208000	2805	1598000	2543000	4141000	2761	2310000	1987000	4297000	2865
05/10/92	559632000	813159000	1090766000	1037208000	511795000	396010000	1889000	2070000	3959000	2693	1771000	1841000	3612000	2457	2320000	2017000	4337000	2950
05/11/92	561617000	815235000	1092450000	1039384000	514101000	398003000	1985000	2076000	4061000	2763	1684000	2176000	3860000	2626	2306000	1993000	4299000	2924
05/12/92	563304000	817001000	1093884000	1041234000	516059000	399698000	1687000	1766000	3453000	2740	1434000	1850000	3284000	2606	1958000	1695000	3653000	2899
05/13/92	565390000	819191000	1095660000	1043513000	518487000	401797000	2086000	2190000	4276000	2741	1776000	2279000	4055000	2599	2428000	2099000	4527000	2902
05/14/92	567323000	821222000	1097309000	1045629000	520736000	403742000	1933000	2031000	3964000	2753	1649000	2116000	3765000	2615	2249000	1945000	4194000	2913
05/15/92	569258000	823240000	1098946000	1047742000	522980000	405682000	1935000	2018000	3953000	2745	1637000	2113000	3750000	2604	2244000	1940000	4184000	2906
05/16/92	571471000	825558000	1100828000	1050174000	525552000	407906000	2213000	2318000	4531000	2746	1882000	2432000	4314000	2615	2572000	2224000	4796000	2907
05/17/92	573046000	827209000	1102172000	1051893000	527384000	409491000	1575000	1651000	3226000	2757	1344000	1719000	3063000	2618	1832000	1585000	3417000	2921
05/18/92	575013000	829270000	1103849000	1054042000	529673000	411471000	1967000	2061000	4028000	2740	1677000	2149000	3826000	2603	2289000	1980000	4269000	2904
05/19/92	577142000	831499000	1105594000	1056425000	532141000	413608000	2129000	2229000	4358000	2741	1745000	2383000	4128000	2596	2468000	2137000	4605000	2896
05/20/92	578956000	833387000	1107060000	1058475000	534236000	415422000	1814000	1888000	3702000	2742	1466000	2050000	3516000	2604	2095000	1814000	3909000	2896
05/21/92	580985000	835505000	1108701000	1060754000	536583000	417454000	2029000	2118000	4147000	2765	1641000	2279000	3920000	2613	2347000	2032000	4379000	2919
05/22/92	583873000	837483000	1110240000	1062879000	538773000	419349000	2888000	1978000	4866000	3451	1539000	2125000	3664000	2599	2190000	1895000	4085000	2897
05/23/92	585033000	839755000	1112008000	1065307000	541280000	421519000	1160000	2272000	3432000	2119	1768000	2428000	4196000	2590	2507000	2170000	4677000	2887
05/24/92	586649000	841451000	1113329000	1067120000	543158000	423144000	1616000	1696000	3312000	2760	1321000	1813000	3134000	2612	1878000	1625000	3503000	2919
05/25/92	588740000	843638000	1115020000	1069480000	545567000	425237000	2091000	2187000	4278000	2742	1691000	2360000	4051000	2597	2409000	2093000	4502000	2886
05/26/92	590707000	845702000	1116629000	1071684000	547840000	427211000	1967000	2064000	4031000	2742	1609000	2204000	3813000	2594	2273000	1974000	4247000	2889
05/27/92	592379000	847471000	1118004000	1073571000	549780000	428896000	1672000	1769000	3441000	2731	1375000	1887000	3262000	2589	1940000	1685000	3625000	2877
05/28/92	594339000	849544000	1119620000	1075767000	552052000	430870000	1960000	2073000	4033000	2744	1616000	2196000	3812000	2593	2272000	1974000	4246000	2888
05/29/92	596250000	851566000	1121200000	1077915000	554269000	432796000	1911000	2022000	3933000	2731	1580000	2148000	3728000	2589	2217000	1926000	4143000	2877
05/30/92	598316000	853755000	1122910000	1080234000	556666000	434878000	2066000	2189000	4255000	2728	1710000	2319000	4029000	2583	2397000	2082000	4479000	2871
05/31/92	600253000	855791000	1124504000	1082410000	558905000	436822000	1937000	2036000	3973000	2759	1594000	2176000	3770000	2618	2239000	1944000	4183000	2905
	60140000	62917000	50130000	66612000	69671000	60323000	60140000	62917000	123057000	2749	50130000	66612000	116742000	2608	69671000	60323000	129994000	2904

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: JUNE 1992

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
05/31/92	226875200	74842800	75094000	229013400	163388400	415904800	327021100	235767500	181536000	280590600	328096700	65479500	17024200	129326400	99997500	220271200
06/01/92	227196300	75131900	75378300	229302300	163671700	416308700	327455400	235931600	181755200	280955400	328242000	65738600	17024200	129464200	100060800	220425800
06/02/92	227494000	75410500	75666200	229580600	163950400	416697100	327871200	236091500	181966000	281300400	328381600	65987600	17074100	129597200	100121300	220572900
06/03/92	227804600	75698300	75957800	229868400	164238700	417098700	328300700	236256800	182184800	281657500	328525100	66245200	17126000	129734800	100183800	220724700
06/04/92	228096900	75975400	76234600	230144500	164513600	417483600	328711500	236415500	182395000	282002500	328662800	66492200	17176000	129867300	100243600	220870800
06/05/92	228411700	76263400	76528800	230435200	164803300	417888300	329145100	236582600	182617200	282362500	328807900	66752600	17228400	130007100	100307100	221024700
06/06/92	228724400	76562300	76822400	230732100	165102500	418300700	329589400	236753400	182842700	282743800	328957100	67018600	17281200	130149700	100371500	221181200
06/07/92	229044200	76855700	77112100	231025800	165401500	418710200	330029600	236923500	183067700	283112500	329106800	67283000	17333500	130292000	100435600	221337400
06/08/92	229361700	77149700	77408900	231318700	165705100	419121200	330471400	237093400	183293900	283480000	329255300	67546400	17338100	130434300	100499900	221495100
06/09/92	229653700	77427100	77692100	231595900	165998000	419509600	330888700	237253700	183507700	283825000	329389300	67795000	17389500	130566400	100559300	221641200
06/10/92	229961800	77645400	77994400	231885600	166305700	419909400	331321200	237420900	183729600	284179200	329536500	68053300	17444800	130707300	100622700	221795700
06/11/92	230246400	77932900	78247700	232156300	166598700	420285400	331721700	237576300	183935800	284516700	329672900	68294100	17495700	130837600	100681200	221939300
06/12/92	230572100	78221900	78530900	232467400	166930200	420701800	332186500	237755200	184174000	284895500	329829400	68571800	17553200	130987200	100748400	222103000
06/13/92	230860400	78490200	78801700	232738300	167219800	421062600	332591200	237910300	184380200	285227900	329966400	68813200	17602900	131117400	100806900	222246100
06/14/92	231153100	78774800	79076300	232985800	167527700	421436700	333003000	238069500	184590100	285570300	330106100	69062000	17658300	131263900	100876200	222407900
06/15/92	231467800	79086000	79354900	233287400	167856700	421848500	333444500	238240200	184817300	285942100	330256400	69326700	17715000	131408100	100942100	222566200
06/16/92	231752100	79376200	79625700	233562200	168162700	422225800	333850900	238395700	185025600	286281600	330393700	69568500	17769200	131539300	101001300	222710000
06/17/92	232080600	79711800	79941500	233879400	168505100	422656000	334319500	238575700	185264000	286674100	330553000	69848500	17830600	131691000	101069600	222875700
06/18/92	232352600	79987500	80212200	234140300	168787900	423003200	334702800	238723200	185459100	286995400	330682800	70077500	17884500	131815700	101125500	223012000
06/19/92	232724700	80354100	80559400	234487700	169172300	423481500	335214700	238919400	185719200	287423500	330855400	70382700	17952500	131981500	101199700	223192700
06/20/92	233017800	80642600	80831700	234761300	169473300	423857800	335618000	239073700	185924200	287759500	330990400	70623500	18004400	132111600	101258000	223334900
06/21/92	233352400	80971400	81138600	235073100	169814900	424286900	336075900	239249700	186157000	288143100	331143900	70897400	18063000	132260000	101324600	223496200
06/22/92	233631100	81245300	81386500	235332200	170094500	424643300	336456200	239396300	186349700	288461200	331271500	71125300	18111700	132383400	101380400	223630800
06/23/92	233970800	81574200	81707800	235645900	170435700	425070700	336919800	239572300	186586900	288848300	331427600	71403800	18172900	132534900	101449300	223796000
06/24/92	234235500	81835400	81988800	235909600	170741100	425440000	337308200	239722400	186785800	289171300	331560300	71634200	18218700	132658400	101505300	223931300
06/25/92	234522700	82134000	82290100	236198800	171062600	425843200	337737400	239887900	187004200	289530000	331706000	71892200	18271100	132798000	101568800	224083900
06/26/92	234784000	82407200	82543300	236459500	171358900	426205100	338121800	240037200	187201600	289862600	331837400	72123400	18318100	132925000	101627000	224223000
06/27/92	235031400	82666300	82763100	236707900	171639300	426545400	338489600	240180500	187390500	290158700	331961900	72347400	18360400	133045100	101682200	224353300
06/28/92	235338900	82988600	83045200	237016400	171993400	426966100	338947700	240357900	187625300	290538900	332116700	72623600	18414900	133195800	101751400	224516800
06/29/92	235610300	83273500	83317800	237289100	172303900	427337300	339354000	240515500	187833200	290875000	332253000	72869100	18463500	133329400	101812100	224659900
06/30/92	235909400	83586200	83619200	237590000	172647300	427748100	339797900	240686800	188055300	291246100	332403500	73136600	18520300	133475700	101879500	224820600

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: JUNE 1992

	VOLUME OF WATER PUMPED (GALLONS)																TOTAL
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	
06/01/92	321100	289100	284300	288900	283300	403900	434300	164100	219200	364800	145300	259100	57600	137800	63300	154600	3870700
06/02/92	297700	278600	287900	278300	278700	388400	415800	159900	210800	345000	139600	249000	49900	133000	60500	147100	3720200
06/03/92	310600	287800	291600	287800	288300	401600	429500	165300	218800	357100	143500	257600	51900	137600	62500	151800	3843300
06/04/92	292300	277100	276800	276100	274900	384900	410800	158700	210200	345000	137700	247000	50000	132500	59800	146100	3679900
06/05/92	314800	288000	294200	290700	289700	404700	433600	167100	222200	360000	145100	260400	52400	139800	63500	153900	3880100
06/06/92	312700	298900	293600	296900	299200	412400	444300	170800	225500	381300	149200	266000	52800	142600	64400	156500	3967100
06/07/92	319800	293400	289700	293700	299000	409500	440200	170100	225000	368700	149700	264400	52300	142300	64100	156200	3938100
06/08/92	317500	294000	296800	292900	303600	411000	441800	169900	226200	367500	148500	263400	4600	142300	64300	157700	3902000
06/09/92	292000	277400	283200	277200	292900	388400	417300	160300	213800	345000	134000	248600	51400	132100	59400	146100	3719100
06/10/92	308100	218300	302300	289700	307700	399800	432500	167200	221900	354200	147200	258300	55300	140900	63400	154500	3821300
06/11/92	284600	287500	253300	270700	293000	376000	400500	155400	206200	337500	136400	240800	50900	130300	58500	143600	3625200
06/12/92	325700	289000	283200	311100	331500	416400	464800	178900	238200	378800	156500	277700	57500	149600	67200	163700	4089800
06/13/92	288300	268300	270800	270900	289600	360800	404700	155100	206200	332400	137000	241400	49700	130200	58500	143100	3607000
06/14/92	292700	284600	274600	247500	307900	374100	411800	159200	209900	342400	139700	248800	55400	146500	69300	161800	3726200
06/15/92	314700	311200	278600	301600	329000	411800	441500	170700	227200	371800	150300	264700	56700	144200	65900	158300	3998200
06/16/92	284300	290200	270800	274800	306000	377300	406400	155500	208300	339500	137300	241800	54200	131200	59200	143800	3680600
06/17/92	328500	335600	315800	317200	342400	430200	468600	180000	238400	392500	159300	280000	61400	151700	68300	165700	4235600
06/18/92	272000	275700	270700	260900	282800	347200	383300	147500	195100	321300	129800	229000	53900	124700	55900	136300	3486100
06/19/92	372100	366600	347200	347400	384400	478300	511900	196200	260100	428100	172600	305200	68000	165800	74200	180700	4658800
06/20/92	293100	288500	272300	273600	301000	376300	403300	154300	205000	336000	135000	240800	51900	130100	58300	142200	3661700
06/21/92	334600	328800	306900	311800	341600	429100	457900	176000	232800	383600	153500	273900	58600	148400	66600	161300	4165400
06/22/92	278700	273900	247900	259100	279600	356400	380300	146600	192700	318100	127600	227900	48700	123400	55800	134600	3451300
06/23/92	339700	328900	321300	313700	341200	427400	463600	176000	237200	387100	156100	278500	61200	151500	68900	165200	4217500
06/24/92	264700	261200	281000	263700	305400	369300	388400	150100	198900	323000	132700	230400	45800	123500	56000	135300	3529400
06/25/92	287200	298600	301300	289200	321500	403200	429200	165500	218400	358700	145700	258000	52400	139600	63500	152600	3884600
06/26/92	261300	273200	253200	260700	296300	361900	384400	149300	197400	332600	131400	231200	47000	127000	58200	139100	3504200
06/27/92	247400	259100	219800	248400	280400	340300	367800	143300	188900	296100	124500	224000	42300	120100	55200	130300	3287900
06/28/92	307500	322300	282100	308500	354100	420700	458100	177400	234800	380200	154800	276200	54500	150700	69200	163500	4114600
06/29/92	271400	284900	272600	272700	310500	371200	406300	157600	207900	336100	136300	245500	48600	133600	60700	143100	3659000
06/30/92	299100	312700	301400	300900	343400	410800	443900	171300	222100	371100	150500	267500	56800	146300	67400	160700	4025900
TOTAL	9034200	8743400	8525200	8576600	9258900	11843300	12776800	4919300	6519300	10655500	4306800	7657100	1553700	4149300	1882000	4549400	114950800

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: JUNE 1992

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
05/31/92	600253000	855791000	1124504000	1082410000	558905000	436822000	-	-	-	-	-	-	-	-	-	-	-	-
06/01/92	602151000	857797000	1126074000	1084539000	561106000	438734000	1898000	2006000	3904000	2711	1570000	2129000	3699000	2569	2201000	1912000	4113000	2856
06/02/92	604004000	859739000	1127596000	1086612000	563244000	440591000	1853000	1942000	3795000	2750	1522000	2073000	3595000	2605	2138000	1857000	3995000	2895
06/03/92	605917000	861745000	1129166000	1088758000	565450000	442507000	1913000	2006000	3919000	2722	1570000	2146000	3716000	2581	2206000	1916000	4122000	2863
06/04/92	607750000	863671000	1130678000	1090806000	567566000	444346000	1833000	1926000	3759000	2724	1512000	2048000	3560000	2580	2116000	1839000	3955000	2866
06/05/92	609681000	865704000	1132270000	1092965000	569794000	446282000	1931000	2033000	3964000	2753	1592000	2159000	3751000	2605	2228000	1936000	4164000	2892
06/06/92	611646000	867776000	1133892000	1095164000	572065000	448256000	1965000	2072000	4037000	2746	1622000	2199000	3821000	2599	2271000	1974000	4245000	2888
06/07/92	613600000	869840000	1135508000	1097349000	574320000	450219000	1954000	2064000	4018000	2733	1616000	2185000	3801000	2586	2255000	1963000	4218000	2869
06/08/92	615534000	871896000	1137123000	1099512000	576561000	452170000	1934000	2056000	3990000	2714	1615000	2163000	3778000	2570	2241000	1951000	4192000	2852
06/09/92	617370000	873821000	1138629000	1101564000	578676000	454012000	1836000	1925000	3761000	2725	1506000	2052000	3558000	2578	2115000	1842000	3957000	2867
06/10/92	619271000	875853000	1140224000	1103684000	580884000	455937000	1901000	2032000	3933000	2731	1595000	2120000	3715000	2580	2208000	1925000	4133000	2870
06/11/92	621065000	877741000	1141704000	1105692000	582950000	457732000	1794000	1888000	3682000	2727	1480000	2008000	3488000	2584	2066000	1795000	3861000	2860
06/12/92	623094000	879898000	1143392000	1107959000	585303000	459794000	2029000	2157000	4186000	2736	1688000	2267000	3955000	2585	2353000	2062000	4415000	2886
06/13/92	624889000	881785000	1144873000	1109958000	587369000	461599000	1795000	1887000	3682000	2854	1481000	1999000	3480000	2698	2066000	1805000	3871000	3001
06/14/92	626725000	883689000	1146409000	1111972000	589476000	463441000	1836000	1904000	3740000	2544	1536000	2014000	3550000	2415	2107000	1842000	3949000	2686
06/15/92	628719000	885718000	1148059000	1114128000	591729000	465415000	1994000	2029000	4023000	2682	1650000	2156000	3806000	2537	2253000	1974000	4227000	2818
06/16/92	630558000	887618000	1149558000	1116162000	593832000	467261000	1839000	1900000	3739000	2770	1499000	2034000	3533000	2617	2103000	1846000	3949000	2925
06/17/92	632677000	889809000	1151291000	1118503000	596255000	469390000	2119000	2191000	4310000	2763	1733000	2341000	4074000	2612	2423000	2129000	4552000	2918
06/18/92	634430000	891616000	1152712000	1120452000	598256000	471148000	1753000	1807000	3560000	2760	1421000	1949000	3370000	2612	2001000	1758000	3759000	2914
06/19/92	636777000	894023000	1154621000	1123041000	600928000	473501000	2347000	2407000	4754000	2780	1909000	2589000	4498000	2630	2672000	2353000	5025000	2939
06/20/92	638615000	895910000	1156109000	1125077000	603022000	475344000	1838000	1887000	3725000	2759	1488000	2036000	3524000	2610	2094000	1843000	3937000	2916
06/21/92	640702000	898061000	1157811000	1127380000	605405000	477441000	2087000	2151000	4238000	2770	1702000	2303000	4005000	2618	2383000	2097000	4480000	2928
06/22/92	642432000	899851000	1159221000	1129290000	607385000	479185000	1730000	1790000	3520000	2794	1410000	1910000	3320000	2635	1980000	1744000	3724000	2956
06/23/92	644475000	901951000	1160895000	1131558000	609715000	481240000	2043000	2100000	4143000	2708	1674000	2268000	3942000	2576	2330000	2055000	4385000	2866
06/24/92	646317000	903844000	1162375000	1133600000	611815000	483082000	1842000	1893000	3735000	2895	1480000	2042000	3522000	2730	2100000	1842000	3942000	3056
06/25/92	648258000	905866000	1163969000	1135753000	614048000	485044000	1941000	2022000	3963000	2752	1594000	2153000	3747000	2602	2233000	1962000	4195000	2913
06/26/92	650024000	907711000	1165424000	1137722000	616083000	486831000	1766000	1845000	3611000	2736	1455000	1969000	3424000	2594	2035000	1787000	3822000	2895
06/27/92	651630000	909415000	1166768000	1139514000	617960000	488483000	1606000	1704000	3310000	2758	1344000	1792000	3136000	2613	1877000	1652000	3529000	2941
06/28/92	653672000	911566000	1168468000	1141778000	620335000	490575000	2042000	2151000	4193000	2741	1700000	2264000	3964000	2591	2375000	2092000	4467000	2920
06/29/92	655481000	913466000	1169967000	1143798000	622439000	492427000	1809000	1900000	3709000	2747	1499000	2020000	3519000	2607	2104000	1852000	3956000	2930
06/30/92	657481000	915563000	1171616000	1146023000	624765000	494473000	2000000	2097000	4097000	2731	1649000	2225000	3874000	2583	2326000	2046000	4372000	2915
	57228000	59772000	47112000	63613000	65860000	57651000	57228000	59772000	117000000	2770	47112000	63613000	110725000	2621	65860000	57651000	123511000	2924

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: JULY 1992

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
06/30/92	235909400	83586200	83619200	237590000	172647300	427748100	339797900	240686800	188055300	291246100	332403500	73136600	18520300	133475700	101879500	224820600
07/01/92	236181900	83870600	83894600	237863100	172945900	428119500	340200300	240843400	188261000	291582200	332539500	73380600	18570000	133609200	101940600	224965500
07/02/92	236472000	84170300	84162300	238153400	173263200	428517900	340630800	241010600	188479300	291941700	332685200	73640900	18622100	133751000	102005700	225119400
07/03/92	236732500	84433900	84416500	238414500	173547200	428877500	341018000	241160200	188675000	292259500	332816300	73872800	18669000	133879500	102064700	225259000
07/04/92	237056700	84761200	84717800	238738900	173901800	429326400	341503900	241347700	188922100	292663100	332978300	74166400	18725100	134037000	102136300	225429600
07/05/92	237362000	85064000	85013300	239041000	174232100	429742200	341952500	241521400	189152600	293035800	333129500	74437300	18778700	134184900	102203500	225589800
07/06/92	237545200	85245400	85190000	239222300	174428300	429991400	342221300	241623700	189291200	293259000	333221600	74600000	18811300	134273300	102244400	225684700
07/07/92	237842100	85552000	85483000	239519200	174751700	430400000	342662300	241792700	189511700	293626500	333368600	74864600	18862800	134418800	102310600	225839000
07/08/92	238113900	85815600	85684300	239795200	175053200	430778100	343070300	241956100	189721500	293962300	333506200	75113300	18909900	134553500	102372200	225989200
07/09/92	238407200	86111700	85961100	240091400	175374900	431183200	343507300	242125800	189947400	294325500	333654600	75377700	18960300	134697800	102438100	226145100
07/10/92	238693700	86405700	86243300	240380100	175691500	431579100	343938100	242292200	190169600	294683000	333799900	75637100	19009200	134839300	102502700	226298400
07/11/92	238997200	86714700	86544500	240680100	176022200	431992000	344384300	242465200	190397400	295057800	333950300	75907000	19059700	134986600	102570000	226458100
07/12/92	239282800	87003900	86814700	240962500	176332900	432380300	344803400	242628200	190612700	295408100	334091200	76161100	19106900	135125000	102633200	226608100
07/13/92	239583700	87305800	87099500	241257100	176656300	432791900	345240700	242797900	190834800	295774000	334239300	76425900	19157300	135269000	102699000	226764300
07/14/92	239866900	87591600	87367600	241535500	176961900	433180600	345652700	242958000	191043400	296119400	334378700	76676200	19201300	135404700	102761000	226911600
07/15/92	240166900	87889200	87648400	241832600	177276100	433593200	346088600	243128700	191252000	296483900	334526200	76942200	19247100	135549200	102827300	227068600
07/16/92	240460400	88182100	87927700	242124300	177584600	433997900	346516300	243295800	191466500	296845100	334670400	77203000	19290800	135690800	102892100	227222200
07/17/92	240752200	88474300	88227500	242415400	177893200	434401200	346942400	243462000	191678700	297203100	334814100	77462700	19334000	135831900	102956600	227375600
07/18/92	241104200	88811200	88583800	242766900	178264700	434888500	347449800	243663400	191935600	297634500	334987100	77776700	19385700	136002800	103034700	227561100
07/19/92	241330100	89024900	88785100	242992700	178503500	435202200	347774300	243793300	192097500	297913700	335098400	77979400	19418800	136112900	103085300	227680600
07/20/92	241626400	89303200	89053000	243289500	178816100	435614000	348210000	243963800	192323700	298279700	335243800	78245000	19461900	136257500	103151300	227837200
07/21/92	241925200	89581800	89358100	243588800	179128900	436027900	348647700	244134900	192547200	298646100	335389400	78511700	19505400	136402900	103217500	227994800
07/22/92	242210300	89848400	89626400	243873500	179426200	436422700	349061900	244298400	192755500	298993700	335527900	78766600	19546500	136542100	103280700	228145000
07/23/92	242576600	90153400	89694400	244166700	179726300	436827700	349486400	244469000	192971300	299352800	335670500	79030000	19589200	136686200	103347500	228300000
07/24/92	242944400	90460900	89961700	244466800	180034300	437239100	349926300	244637800	193192100	299720000	335817600	79294200	19632700	136830900	103413200	228455500
07/25/92	243287200	90748200	90233800	244748400	180322300	437624600	350338000	244795200	193393800	300063600	335954500	79541400	19673100	136965600	103474300	228600300
07/26/92	243532200	91055300	90540500	245049100	180633100	438034200	350776700	244966200	193614900	300432200	336101900	79807900	19716400	137112100	103541500	228757800
07/27/92	243784100	91349800	90830800	245337400	180928900	438415900	351197300	245129700	193828300	300784700	336241200	80063000	19757700	137251800	103605600	228908300
07/28/92	244030000	91638100	91096500	245619200	181218400	438796900	351605200	245290200	194030700	301129700	336377000	80313100	19798100	137388100	103668300	229055100
07/29/92	244309200	91952800	91313800	245927700	181539500	439222800	352060500	245470300	194264200	301524000	336529500	80590900	19842900	137541600	103740900	229220500
07/30/92	244557800	92223700	91483100	246207800	181829000	439611900	352466400	245633500	194474900	301860200	336664400	80841700	19880800	137679300	103804200	229367600
07/31/92	244825900	92520200	91680200	246516700	182145800	440021700	352913000	245813700	194705000	302228300	336814900	81118600	19921800	137831300	103874200	229529800

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: JULY 1992

	VOLUME OF WATER PUMPED (GALLONS)																
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
07/01/92	272500	284400	275400	273100	298600	371400	402400	156600	205700	336100	136000	244000	49700	133500	61100	144900	3645400
07/02/92	290100	299700	267700	290300	317300	398400	430500	167200	218300	359500	145700	260300	52100	141800	65100	153900	3857900
07/03/92	260500	263600	254200	261100	284000	359600	387200	149600	195700	317800	131100	231900	46900	128500	59000	139600	3470300
07/04/92	324200	327300	301300	324400	354600	448900	485900	187500	247100	403600	162000	293600	56100	157500	71600	170600	4316200
07/05/92	305300	302800	295500	302100	330300	415800	448600	173700	230500	372700	151200	270900	53600	147900	67200	160200	4028300
07/06/92	183200	181400	176700	181300	196200	249200	268800	102300	138600	223200	92100	162700	32600	88400	40900	94900	2412500
07/07/92	296900	306600	293000	296900	323400	408600	441000	169000	220500	367500	147000	264600	51500	145500	66200	154300	3952500
07/08/92	271800	263600	201300	276000	301500	378100	408000	163400	209800	335800	137600	248700	47100	134700	61600	150200	3589200
07/09/92	293300	296100	276800	296200	321700	405100	437000	169700	225900	363200	148400	264400	50400	144300	65900	155900	3914300
07/10/92	286500	294000	282200	288700	316600	395900	430800	166400	222200	357500	145300	259400	48900	141500	64600	153300	3853800
07/11/92	303500	309000	301200	300000	330700	412900	446200	173000	227800	374800	150400	269900	50500	147300	67300	159700	4024200
07/12/92	285600	289200	270200	282400	310700	388300	419100	163000	215300	350300	140900	254100	47200	138400	63200	150000	3767900
07/13/92	300900	301900	284800	294600	323400	411600	437300	169700	222100	365900	148100	264800	50400	144000	65800	156200	3941500
07/14/92	283200	285800	268100	278400	305600	388700	412000	160100	208600	345400	139400	250300	44000	135700	62000	147300	3714600
07/15/92	300000	297600	280800	297100	314200	412600	435900	170700	208600	364500	147500	266000	45800	144500	66300	157000	3909100
07/16/92	293500	292900	279300	291700	308500	404700	427700	167100	214500	361200	144200	260800	43700	141600	64800	153600	3849800
07/17/92	291800	292200	299800	291100	308600	403300	426100	166200	212200	358000	143700	259700	43200	141100	64500	153400	3854900
07/18/92	352000	336900	356300	351500	371500	487300	507400	201400	256900	431400	173000	314000	51700	170900	78100	185500	4625800
07/19/92	225900	213700	201300	225800	238800	313700	324500	129900	161900	279200	111300	202700	33100	110100	50600	119500	2942000
07/20/92	296300	278300	267900	296800	312600	411800	435700	170500	226200	366000	145400	265600	43100	144600	66000	156600	3883400
07/21/92	298800	278600	305100	299300	312800	413900	437700	171100	223500	366400	145600	266700	43500	145400	66200	157600	3932200
07/22/92	285100	266600	268300	284700	297300	394800	414200	163500	208300	347600	138500	254900	41100	139200	63200	150200	3717500
07/23/92	366300	305000	68000	293200	300100	405000	424500	170600	215800	359100	142600	263400	42700	144100	66800	155000	3722200
07/24/92	367800	307500	267300	300100	308000	411400	439900	168800	220800	367200	147100	264200	43500	144700	65700	155500	3979500
07/25/92	342800	287300	272100	281600	288000	385500	411700	157400	201700	343600	136900	247200	40400	134700	61100	144800	3736800
07/26/92	245000	307100	306700	300700	310800	409600	438700	171000	221100	368600	147400	266500	43300	146500	67200	157500	3907700
07/27/92	251900	294500	290300	288300	295800	381700	420600	163500	213400	352500	139300	255100	41300	139700	64100	150500	3742500
07/28/92	245900	288300	265700	281800	289500	381000	407900	160500	202400	345000	135800	250100	40400	136300	62700	146800	3640100
07/29/92	279200	314700	217300	308500	321100	425900	455300	180100	233500	394300	152500	277800	44800	153500	72600	165400	3996500
07/30/92	248600	270900	169300	280100	289500	389100	405900	163200	210700	336200	134900	250800	37900	137700	63300	147100	3535200
07/31/92	268100	296500	197100	308900	316800	409800	446600	180200	230100	368100	150500	276900	41000	152000	70000	162200	3874800
TOTAL	8916500	8934000	8061000	8926700	9498500	12273600	13115100	5126900	6649700	10982200	4411400	7982000	1401500	4355600	1994700	4709200	117338600

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: JULY 1992

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
06/30/92	657481000	915563000	1171616000	1146023000	624765000	494473000	-	-	-	-	-	-	-	-	-	-	-	-
07/01/92	659287000	917466000	1173112000	1148039000	626869000	496326000	1806000	1903000	3709000	2747	1496000	2016000	3512000	2601	2104000	1853000	3957000	2931
07/02/92	661192000	919487000	1174692000	1150171000	629095000	498286000	1905000	2021000	3926000	2726	1580000	2132000	3712000	2578	2226000	1960000	4186000	2907
07/03/92	662932000	921326000	1176139000	1152123000	631130000	500077000	1740000	1839000	3579000	2774	1447000	1952000	3399000	2635	2035000	1791000	3826000	2966
07/04/92	665021000	923555000	1177894000	1154453000	633586000	502231000	2089000	2229000	4318000	2117	1755000	2330000	4085000	2002	2456000	2154000	4610000	2260
07/05/92	667012000	925664000	1179556000	1156671000	635918000	504276000	1991000	2109000	4100000	2628	1662000	2218000	3880000	2487	2332000	2045000	4377000	2806
07/06/92	668240000	926970000	1180598000	1158043000	637580000	505543000	1228000	1306000	2534000	2640	1042000	1372000	2414000	2515	1662000	1267000	2929000	3051
07/07/92	670153000	929049000	1182216000	1160144000	639638000	507536000	1913000	2079000	3992000	2716	1618000	2101000	3719000	2530	2058000	1993000	4051000	2756
07/08/92	671880000	930909000	1183679000	1162126000	641678000	509324000	1727000	1860000	3587000	2717	1463000	1982000	3445000	2610	2040000	1788000	3828000	2900
07/09/92	673812000	932966000	1185302000	1164280000	643950000	511314000	1932000	2057000	3989000	2714	1623000	2154000	3777000	2569	2272000	1990000	4262000	2899
07/10/92	675709000	934986000	1186892000	1166399000	646182000	513269000	1897000	2020000	3917000	2720	1590000	2119000	3709000	2576	2232000	1955000	4187000	2908
07/11/92	677694000	937094000	1188549000	1168620000	648513000	515311000	1985000	2108000	4093000	2729	1657000	2221000	3878000	2585	2331000	2042000	4373000	2915
07/12/92	679546000	939069000	1190100000	1170689000	650694000	517224000	1852000	1975000	3827000	2714	1551000	2069000	3620000	2567	2181000	1913000	4094000	2904
07/13/92	681489000	941131000	1191717000	1172861000	652978000	519226000	1943000	2062000	4005000	2724	1617000	2172000	3789000	2578	2284000	2002000	4286000	2916
07/14/92	683319000	943075000	1193244000	1174906000	655130000	521113000	1830000	1944000	3774000	2735	1527000	2045000	3572000	2588	2152000	1887000	4039000	2927
07/15/92	685235000	945139000	1194866000	1177052000	657398000	523103000	1916000	2064000	3980000	2707	1622000	2146000	3768000	2563	2268000	1990000	4258000	2897
07/16/92	687126000	947163000	1196461000	1179164000	659627000	525060000	1891000	2024000	3915000	2719	1595000	2112000	3707000	2574	2229000	1957000	4186000	2907
07/17/92	689030000	949187000	1198050000	1181291000	661863000	527025000	1904000	2024000	3928000	2728	1589000	2127000	3716000	2581	2236000	1965000	4201000	2917
07/18/92	691298000	951629000	1199970000	1183836000	664544000	529381000	2268000	2442000	4710000	2707	1920000	2545000	4465000	2566	2681000	2356000	5037000	2895
07/19/92	692724000	953192000	1201199000	1185437000	666247000	530877000	1426000	1563000	2989000	2693	1229000	1601000	2830000	2550	1703000	1496000	3199000	2882
07/20/92	694616000	955247000	1202823000	1187555000	668493000	532851000	1892000	2055000	3947000	2685	1624000	2118000	3742000	2546	2246000	1974000	4220000	2871
07/21/92	696547000	957323000	1204457000	1189715000	670771000	534853000	1931000	2076000	4007000	2726	1634000	2160000	3794000	2581	2278000	2002000	4280000	2912
07/22/92	698354000	959292000	1206013000	1191739000	672919000	536744000	1807000	1969000	3776000	2678	1556000	2024000	3580000	2539	2148000	1891000	4039000	2865
07/23/92	700115000	961312000	1207606000	1193730000	675071000	538636000	1761000	2020000	3781000	2626	1593000	1991000	3584000	2489	2152000	1892000	4044000	2808
07/24/92	702089000	963385000	1209231000	1195928000	677375000	540663000	1974000	2073000	4047000	2753	1625000	2198000	3823000	2601	2304000	2027000	4331000	2946
07/25/92	703949000	965317000	1210753000	1197999000	679531000	542561000	1860000	1932000	3792000	2748	1522000	2071000	3593000	2604	2156000	1898000	4054000	2938
07/26/92	705862000	967395000	1212389000	1200141000	681802000	544560000	1913000	2078000	3991000	2715	1636000	2142000	3778000	2570	2271000	1999000	4270000	2905
07/27/92	707693000	969378000	1213948000	1202194000	683974000	546470000	1831000	1983000	3814000	2705	1559000	2053000	3612000	2562	2172000	1910000	4082000	2895
07/28/92	709453000	971311000	1215474000	1204166000	685762000	548320000	1760000	1933000	3693000	2676	1526000	1972000	3498000	2535	1788000	1850000	3638000	2636
07/29/92	711474000	973338000	1217246000	1206230000	686877000	550358000	2021000	2027000	4048000	2546	1772000	2064000	3836000	2413	1115000	2038000	3153000	1983
07/30/92	713165000	975165000	1218785000	1208121000	687876000	552164000	1691000	1827000	3518000	2606	1539000	1891000	3430000	2541	999000	1806000	2805000	2078
07/31/92	714999000	977390000	1220481000	1210166000	688973000	554142000	1834000	2225000	4059000	2653	1696000	2045000	3741000	2445	1097000	1978000	3075000	2010
	57518000	61827000	48865000	64143000	64208000	59669000	57518000	61827000	119345000	2708	48865000	64143000	113008000	2564	64208000	59669000	123877000	2811

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: AUGUST 1992

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
07/31/92	244825900	92520200	91680200	246516700	182145800	440021700	352913000	245813700	194705000	302228300	336814900	81118600	19921800	137831300	103874200	229529800
08/01/92	245139300	92859700	91896600	246875000	182516600	440494400	353432500	246023800	194972500	302663700	336988700	81442000	19969700	138009800	103956300	229719600
08/02/92	245399400	93137600	92078300	247169900	182819900	440878400	353856200	246194100	195189100	303018600	337131200	81704000	20008000	138152200	104021600	229871800
08/03/92	245593800	93354200	92217600	247390700	183047900	441180300	354175200	246321800	195352000	303288900	337237100	81900600	20036700	138259200	104070600	229986200
08/04/92	245776800	93559100	92354500	247606300	183260500	441485300	354490900	246452300	195516500	303564000	337348200	82096000	20069600	138386200	104133200	230126200
08/05/92	245994800	93845000	92592200	247899300	183562700	441885400	354922600	246621800	195735700	303922100	337489300	82357300	20111600	138545400	104200000	230284700
08/06/92	246276100	94136000	92840700	248193400	183864700	442286100	355356500	246789700	195954300	304280500	337629900	82618300	20154300	138704300	104266200	230443000
08/07/92	246550200	94425200	93089000	248480300	184162400	442679400	355781500	246952900	196169400	304633100	337766100	82873200	20195500	138858100	104329900	230596100
08/08/92	246837800	94729000	93382500	248778900	184475200	443089100	356220200	247121200	196390100	304995600	337907800	83136000	20238100	139018100	104396000	230755800
08/09/92	247108900	95009500	93664300	249060500	184770500	443472600	356634000	247279500	196601400	305341000	338042600	83383900	20277800	139168500	104458000	230906000
08/10/92	247391500	95302400	93957000	249354000	185077700	443866000	357065700	247444900	196821000	305700900	338183500	83642600	20318800	139325000	104522400	231062200
08/11/92	247680100	95621600	94253500	249656200	185394200	444276600	357509700	247614300	197048100	306070800	338329100	83908100	20360300	139485300	104587800	231221900
08/12/92	247952200	95925200	94532600	249941800	185693900	444654800	357928200	247774700	197259900	306417500	338466300	84159300	20400000	139637600	104649900	231373600
08/13/92	248238500	96219700	94823200	250241600	186008900	445052900	358369700	247943700	197481900	306783400	338610300	84424200	20441300	139797900	104715400	231533100
08/14/92	248514200	96503000	95106600	250528500	186310800	445433500	358791100	248105600	197694200	307132500	338748700	84677200	20480500	139951200	104777900	231685700
08/15/92	248788300	96784200	95375500	250812700	186609500	445818200	359211000	248269000	197905500	307488200	338888200	84929600	20521300	140108700	104843900	231845400
08/16/92	249077700	97084300	95668400	251114000	186929100	446224300	359651400	248438800	198132100	307855400	339032800	85193400	20564900	140270000	104908900	232007200
08/17/92	249345800	97362900	95938600	251393900	187226800	446608700	360062000	248595900	198341600	308197100	339165700	85439600	20605600	140419800	104969200	232157500
08/18/92	249620200	97646600	96213700	251681200	187530900	447003200	360483500	248758100	198555100	308547500	339301200	85692400	20647500	140574100	105031400	232311800
08/19/92	249895000	97929900	96488600	251968900	187835100	447396900	360905800	248920600	198768300	308897600	339436100	85945900	20689300	140728500	105093600	232466000
08/20/92	250180700	98222500	96776600	252268500	188151200	447794700	361346000	249090100	198989500	309259900	339576800	86210100	20732500	140889400	105158400	232626700
08/21/92	250448900	98496200	97045900	252550400	188430100	448171800	361760400	249249900	199197800	309601600	339707900	86459200	20772700	141040900	105219400	232777900
08/22/92	250727400	98775600	97325500	252845700	188727400	448571400	362192800	249416000	199419400	309964300	339849500	86719600	20815600	141200100	105283200	232936900
08/23/92	250928600	98818500	97525600	252889600	188769700	448864100	362516200	249558600	199580700	310226900	339871300	86928100	20821800	141224200	105293400	232962500
08/24/92	251163900	98842500	97627000	252889600	188791300	449206600	362913100	249734800	199770400	310546400	339882500	87187500	20821800	141224200	105293400	232962500
08/25/92	251394600	99078200	97834200	253102100	188996800	449532900	363274800	249876500	199954800	310846700	340000700	87406900	20839600	141341200	105341300	233078100
08/26/92	251695800	99383900	98146900	253422400	189307900	449958200	363742000	250056000	200191900	311236200	340153000	87687500	20866300	141513300	105411700	233247400
08/27/92	251932700	99625100	98391300	253675200	189553100	450303100	364110000	250197500	200380000	311542400	340272800	87908700	20887300	141648900	105467200	233381000
08/28/92	252253800	99977200	98728500	254015300	189887900	450759100	364604400	250386700	200634900	311956400	340435600	88205700	20915600	141830300	105541100	233559700
08/29/92	252519800	100253800	98998200	254293700	190162200	451130100	365010000	250541600	200843300	312292400	340570500	88447700	20939200	141980400	105602300	233707800
08/30/92	252791700	100525300	99276900	254580700	190450300	451516400	365429700	250701400	201060800	312646200	340709000	88700000	20960800	142132200	105663800	233847100
08/31/92	253023800	100754900	99513300	254824700	190694900	451844000	365784900	250837200	201243600	312943900	340827400	88913600	20980200	142262300	105716300	233985100

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: AUGUST 1992

	VOLUME OF WATER PUMPED (GALLONS)																
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
08/01/92	313400	339500	216400	358300	370800	472700	519500	210100	267500	435400	173800	323400	47900	178500	82100	189800	4499100
08/02/92	260100	277900	181700	294900	303300	384000	423700	170300	216600	354900	142500	262000	38300	142400	65300	152200	3670100
08/03/92	194400	216600	139300	220800	228000	301900	319000	127700	162900	270300	105900	196600	28700	107000	49000	114400	2782500
08/04/92	183000	204900	136900	215600	212600	305000	315700	130500	164500	275100	111100	195400	32900	127000	62600	140000	2812800
08/05/92	218000	285900	237700	293000	302200	400100	431700	169500	219200	358100	141100	261300	42000	159200	66800	158500	3744300
08/06/92	281300	291000	248500	294100	302000	400700	433900	167900	218600	358400	140600	261000	42700	158900	66200	158300	3824100
08/07/92	274100	289200	248300	286900	297700	393300	425000	163200	215100	352600	136200	254900	41200	153800	63700	153100	3748300
08/08/92	287600	303800	293500	298600	312800	409700	438700	168300	220700	362500	141700	262800	42600	160000	66100	159700	3929100
08/09/92	271100	280500	281800	281600	295300	383500	413800	158300	211300	345400	134800	247900	39700	150400	62000	150200	3707600
08/10/92	282600	292900	292700	293500	307200	393400	431700	165400	219600	359900	140900	258700	41000	156500	64400	156200	3856600
08/11/92	288600	319200	296500	302200	316500	410600	444000	169400	227100	369900	145600	265500	41500	160300	65400	159700	3982000
08/12/92	272100	303600	279100	285600	299700	378200	418500	160400	211800	346700	137200	251200	39700	152300	62100	151700	3749900
08/13/92	286300	294500	290600	299800	315000	398100	441500	169000	222000	365900	144000	264900	41300	160300	65500	159500	3918200
08/14/92	275700	283300	283400	286900	301900	380600	421400	161900	212300	349100	138400	253000	39200	153300	62500	152600	3755500
08/15/92	274100	281200	268900	284200	298700	384700	419900	163400	211300	355700	139500	252400	40800	157500	66000	159700	3758000
08/16/92	289400	300100	292900	301300	319600	406100	440400	169800	226600	367200	144600	263800	43600	161300	65000	161800	3953500
08/17/92	268100	278600	270200	279900	297700	384400	410600	157100	209500	341700	132900	246200	40700	149800	60300	150300	3678000
08/18/92	274400	283700	275100	287300	304100	394500	421500	162200	213500	350400	135500	252800	41900	154300	62200	154300	3767700
08/19/92	274800	283300	274900	287700	304200	393700	422300	162500	213200	350100	134900	253500	41800	154400	62200	154200	3767700
08/20/92	285700	292600	288000	299600	316100	397800	440200	169500	221200	362300	140700	264200	43200	160900	64800	160700	3907500
08/21/92	268200	273700	269300	281900	278900	377100	414400	159800	208300	341700	131100	249100	40200	151500	61000	151200	3657400
08/22/92	278500	279400	279600	295300	297300	399600	432400	166100	221600	362700	141600	260400	42900	159200	63800	159000	3839400
08/23/92	201200	42900	200100	43900	42300	292700	323400	142600	161300	262600	21800	208500	6200	24100	10200	25600	2009400
08/24/92	235300	24000	101400	0	21600	342500	396900	176200	189700	319500	11200	259400	0	0	0	0	2077700
08/25/92	230700	235700	207200	212500	205500	326300	361700	141700	184400	300300	118200	219400	17800	117000	47900	115600	3041900
08/26/92	301200	305700	312700	320300	311100	425300	467200	179500	237100	389500	152300	280600	26700	172100	70400	169300	4121000
08/27/92	236900	241200	244400	252800	245200	344900	368000	141500	188100	306200	119800	221200	21000	135600	55500	133600	3255900
08/28/92	321100	352100	337200	340100	334800	456000	494400	189200	254900	414000	162800	297000	28300	181400	73900	178700	4415900
08/29/92	266000	276600	269700	278400	274300	371000	405600	154900	208400	336000	134900	242000	23600	150100	61200	148100	3600800
08/30/92	271900	271500	278700	287000	288100	386300	419700	159800	217500	353800	138500	252300	21600	151800	61500	139300	3699300
08/31/92	232100	229600	236400	244000	244600	327600	355200	135800	182800	297700	118400	213600	19400	130100	52500	138000	3157800
TOTAL	8197900	8234700	7833100	8308000	8549100	11822300	12871900	5023500	6538600	10715600	4012500	7795000	1058400	4431000	1842100	4455300	111689000

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: AUGUST 1992

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
07/31/92	714999000	977390000	1220481000	1210166000	688973000	554142000	-	-	-	-	-	-	-	-	-	-	-	-
08/01/92	717111000	979848000	1222454000	1212539000	689771000	556442000	2112000	2458000	4570000	2626	1973000	2373000	4346000	2498	798000	2300000	3098000	1780
08/02/92	718838000	981863000	1224052000	1214486000	689771000	558341000	1727000	2015000	3742000	2599	1598000	1947000	3545000	2462	0	1899000	1899000	1319
08/03/92	720148000	983364000	1225248000	1215954000	689771000	559763000	1310000	1501000	2811000	2603	1196000	1468000	2664000	2467	0	1422000	1422000	1317
08/04/92	722022000	984383000	1226785000	1217150000	689771000	561216000	1874000	1019000	2893000	1968	1537000	1196000	2733000	1859	0	1453000	1453000	988
08/05/92	723814000	986406000	1228376000	1219172000	689771000	563135000	1792000	2023000	3815000	2649	1591000	2022000	3613000	2509	0	1919000	1919000	1333
08/06/92	725675000	988433000	1229978000	1221253000	689771000	565098000	1861000	2027000	3888000	2700	1602000	2081000	3683000	2558	0	1963000	1963000	1363
08/07/92	727497000	990400000	1231533000	1223285000	689771000	567013000	1822000	1967000	3789000	2687	1555000	2032000	3587000	2544	0	1915000	1915000	1358
08/08/92	729451000	992464000	1233155000	1225462000	689771000	569041000	1954000	2064000	4018000	2733	1622000	2177000	3799000	2584	0	2028000	2028000	1380
08/09/92	731287000	994404000	1234677000	1227512000	689771000	570950000	1836000	1940000	3776000	2736	1522000	2050000	3572000	2588	0	1909000	1909000	1383
08/10/92	733190000	996421000	1236261000	1229637000	689771000	572930000	1903000	2017000	3920000	2722	1584000	2125000	3709000	2576	0	1980000	1980000	1375
08/11/92	735147000	998483000	1237882000	1231818000	691547000	574969000	1957000	2062000	4019000	2679	1621000	2181000	3802000	2535	1776000	2039000	3815000	2543
08/12/92	737002000	1000457000	1239437000	1233885000	693485000	576917000	1855000	1974000	3829000	2716	1555000	2067000	3622000	2569	1938000	1948000	3886000	2756
08/13/92	738920000	1002522000	1241066000	1236029000	695517000	578946000	1918000	2065000	3983000	2710	1629000	2144000	3773000	2567	2032000	2029000	4061000	2763
08/14/92	740766000	1004503000	1242621000	1238094000	697478000	580894000	1846000	1981000	3827000	2714	1555000	2065000	3620000	2567	1961000	1948000	3909000	2772
08/15/92	742705000	1006284000	1244256000	1239983000	699396000	582795000	1939000	1781000	3720000	2431	1635000	1889000	3524000	2303	1918000	1901000	3819000	2496
08/16/92	744759000	1008368000	1245956000	1242193000	701535000	584875000	2054000	2084000	4138000	2815	1700000	2210000	3910000	2660	2139000	2080000	4219000	2870
08/17/92	746574000	1010289000	1247456000	1244231000	703479000	586762000	1815000	1921000	3736000	2707	1500000	2038000	3538000	2564	1944000	1887000	3831000	2776
08/18/92	748425000	1012266000	1249004000	1246302000	705476000	588697000	1851000	1977000	3828000	2715	1548000	2071000	3619000	2567	1997000	1935000	3932000	2789
08/19/92	750268000	1014244000	1250555000	1248364000	707473000	590630000	1843000	1978000	3821000	2710	1551000	2062000	3613000	2562	1997000	1933000	3930000	2787
08/20/92	752180000	1016304000	1252173000	1250505000	709550000	592638000	1912000	2060000	3972000	2702	1618000	2141000	3759000	2557	2077000	2008000	4085000	2779
08/21/92	753963000	1018238000	1253692000	1252509000	711492000	594515000	1783000	1934000	3717000	2693	1519000	2004000	3523000	2553	1942000	1877000	3819000	2767
08/22/92	755875000	1020206000	1255273000	1254600000	713521000	596478000	1912000	1968000	3880000	2639	1581000	2091000	3672000	2498	2029000	1963000	3992000	2716
08/23/92	756699000	1021531000	1255470000	1256398000	714639000	597557000	824000	1325000	2149000	1492	197000	1798000	1995000	1385	1118000	1079000	2197000	1526
08/24/92	757487000	1022929000	1255470000	1258440000	715796000	598681000	788000	1398000	2186000	1401	0	2042000	2042000	1309	1157000	1124000	2281000	1462
08/25/92	758985000	1024549000	1256447000	1260397000	717427000	600252000	1498000	1620000	3118000	2598	977000	1957000	2934000	2445	1631000	1571000	3202000	2668
08/26/92	761000000	1026742000	1257902000	1262899000	719642000	602382000	2015000	2193000	4208000	2697	1455000	2502000	3957000	2537	2215000	2130000	4345000	2785
08/27/92	762601000	1028472000	1258327000	1264875000	721394000	604066000	1601000	1730000	3331000	2708	425000	1976000	2401000	1952	1752000	1684000	3436000	2793
08/28/92	764772000	1030792000	1258327000	1267517000	723757000	606341000	2171000	2320000	4491000	2722	0	2642000	2642000	1601	2363000	2275000	4638000	2811
08/29/92	766584000	1032724000	1259277000	1269728000	725725000	608241000	1812000	1932000	3744000	2713	950000	2211000	3161000	2291	1968000	1900000	3868000	2803
08/30/92	768386000	1034668000	1260398000	1271960000	727674000	610178000	1802000	1944000	3746000	2081	1121000	2232000	3353000	1863	1949000	1937000	3886000	2159
08/31/92	769920000	1036344000	1261365000	1273877000	729327000	611854000	1534000	1676000	3210000	2675	967000	1917000	2884000	2403	1653000	1676000	3329000	2774
	54921000	58954000	40884000	63711000	40354000	57712000	54921000	58954000	113875000	2662	40884000	63711000	104595000	2445	40354000	57712000	98066000	2292

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: SEPTEMBER 1992

	METER READING (GALLONS X 100)															
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
08/31/92	253023800	100754900	99513300	254824700	190694900	451844000	365784900	250837200	201243600	312943900	340827400	88913600	20980200	142262300	105716300	233985100
09/01/92	253301700	101031600	99799400	255118500	190989000	452239400	366213800	251001300	201460500	313300500	340969100	89171400	21003800	142419200	105779800	234139200
09/02/92	253563600	101289100	100070200	255394800	191265400	452610600	366616300	251155200	201664700	313636400	341102200	89413500	21026400	142566500	105839300	234284200
09/03/92	253840700	101561900	100353800	255688500	191558900	453004700	367044400	251318800	201881000	313992000	341242700	89671200	21050500	142722600	105902300	234437900
09/04/92	254148500	101883400	100667200	256013100	191883800	453433000	367515800	251499700	202119600	314387800	341398600	89955100	21077300	142895500	105971900	234608200
09/05/92	254432900	102181900	100954600	256311600	192185800	453834200	367951100	251666300	202344900	314754900	341542700	90217500	21101900	143054400	106035800	234764400
09/06/92	254714200	102472100	101240000	256605700	192483100	454229000	368379400	251830400	202563700	315114500	341684500	90475700	21126200	143210800	106098500	234918400
09/07/92	254995500	102762300	101525400	256899800	192780400	454623800	368807700	251994500	202782500	315474000	341826300	90734000	21150500	143367200	106161200	235072400
09/08/92	255252500	103025300	101787000	257169300	193052700	454985700	369200200	252144800	202985800	315804300	341954300	90971000	21172700	143510400	106218400	235213300
09/09/92	255533400	103312000	102070200	257464500	193350900	455382000	369630000	252309600	203201000	316165000	342094400	91230500	21197000	143667400	106281100	235367800
09/10/92	255799600	103581400	102352200	257744800	193634000	455757800	370037600	252465700	203403200	316508000	342228000	91476700	21220000	143816500	106340300	235514300
09/11/92	256091300	103875200	102647900	258051400	193945300	456174500	370482600	252636000	203628600	316887200	342375400	91745400	21245100	143979600	106404800	235674300
09/12/92	256296700	104084600	102852600	258270500	194166100	456463800	370806400	252756200	203788000	317146800	342477800	91934600	21262300	144094200	106450000	235786000
09/13/92	256620700	104412300	103189200	258614900	194516200	456920100	371302400	252945800	204041000	317562700	342640900	92233400	21290100	144275300	106521300	235965100
09/14/92	256863900	104657200	103437400	258873400	194779900	457263700	371675700	253088600	204236300	317877600	342764300	92458400	21311300	144411800	106574900	236099300
09/15/92	257148200	104940200	103731600	259175900	195088700	457665900	372113000	253256000	204452600	318245300	342907600	92722000	21336200	144571400	106637700	236256300
09/16/92	257384300	105087100	103885900	259332900	195248700	457874200	372339400	253342900	204568600	318434500	343029900	92858400	21361700	144739500	106717600	236427900
09/17/92	257673500	105385100	104191100	259639000	195563200	458288500	372780900	253511700	204797300	318807900	343173900	93124400	21386300	144900600	106782800	236587300
09/18/92	257934100	105653800	104459100	259914800	195843900	458657300	373179000	253664100	205004700	319144100	343305200	93364400	21408900	145046100	106841800	236731300
09/19/92	258211500	105939500	104740900	260209100	196141700	459049900	373603800	253827000	205219200	319500800	343445100	93620700	21433200	145201600	106904700	236885300
09/20/92	258497000	106232600	105036800	260509900	196446500	459452400	374039300	253993900	205440700	319868100	343588500	93883700	21458100	145360900	106968900	237042900
09/21/92	258758300	106501500	105302600	260784600	196725000	459822000	374439700	254147400	205644000	320204100	343719700	94125600	21480700	145506600	107027600	237187300
09/22/92	259046700	106797300	105597700	261087900	197031600	460230000	374881400	254317000	205871000	320575000	343863200	94392500	21505700	145668000	107092600	237347200
09/23/92	259309100	107065600	105865000	261364800	197311500	460603000	375285300	254471900	206072700	320915700	343993400	94636600	21528400	145814700	107151400	237492600
09/24/92	259587000	107342400	106150700	261658500	197606400	461002000	375712300	254637900	206291300	321279100	344133300	94894100	21551600	145969700	107211800	237646100
09/25/92	259878400	107631800	106452100	261964400	197913700	461417300	376155200	254806900	206511700	321651300	344279300	95161400	21575800	146131900	107274400	237807200
09/26/92	260127800	107881000	106701700	262227500	198181900	461773900	376535300	254951300	206708100	321972500	344405300	95391300	21595700	146271700	107328100	237945600
09/27/92	260390100	108142700	106966600	262504200	198464700	462148700	376934800	255104300	206918100	322312500	344531400	95632500	21617700	146418600	107384300	238090600
09/28/92	260686200	108436300	107274400	262817800	198786000	462574900	377388400	255277700	207148300	322696200	344686100	95906600	21642800	146584700	107447400	238254500
09/29/92	260936300	108684500	107528900	263083100	199057200	462935700	377773000	255426000	207338100	323021100	344812200	96138500	21664200	146725200	107500900	238393100
09/30/92	261243100	108987900	107841300	263406000	199387800	463375900	378240800	255604100	207570400	323416500	344966600	96421800	21688700	146896900	107566100	238562800

ALLIANT TECHSYSTEMS BGRS/TGRS EXTRACTION WELL WATER PUMPED, FOR THE MONTH OF: SEPTEMBER 1992

	VOLUME OF WATER PUMPED (GALLONS)																TOTAL
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	
09/01/92	277900	276700	286100	293800	294100	395400	428900	164100	216900	356600	141700	257800	23600	156900	63500	154100	3788100
09/02/92	261900	257500	270800	276300	276400	371200	402500	153900	204200	335900	133100	242100	22600	147300	59500	145000	3560200
09/03/92	277100	272800	283600	293700	293500	394100	428100	163600	216300	355600	140500	257700	24100	156100	63000	153700	3773500
09/04/92	307800	321500	313400	324600	324900	428300	471400	180900	238600	395800	155900	283900	26800	172900	69600	170300	4186600
09/05/92	284400	298500	287400	298500	302000	401200	435300	166600	225300	367100	144100	262400	24600	158900	63900	156200	3876400
09/06/92	281300	290200	285400	294100	297300	394800	428300	164100	218800	359600	141800	258200	24300	156400	62700	154000	3811300
09/07/92	281300	290200	285400	294100	297300	394800	428300	164100	218800	359500	141800	258300	24300	156400	62700	154000	3811300
09/08/92	257000	263000	261600	269500	272300	361900	392500	150300	203300	330300	128000	237000	22200	143200	57200	140900	3490200
09/09/92	280900	286700	283200	295200	298200	396300	429800	164800	215200	360700	140100	259500	24300	157000	62700	154500	3809100
09/10/92	266200	269400	282000	280300	283100	375800	407600	156100	202200	343000	133600	246200	23000	149100	59200	146500	3623300
09/11/92	291700	293800	295700	306600	311300	416700	445000	170300	225400	379200	147400	268700	25100	163100	64500	160000	3964500
09/12/92	205400	209400	204700	219100	220800	289300	323800	120200	159400	259600	102400	189200	17200	114600	45200	111700	2792000
09/13/92	324000	327700	336600	344400	350100	456300	496000	189600	253000	415900	163100	298800	27800	181100	71300	179100	4414800
09/14/92	243200	244900	248200	258500	263700	343600	373300	142800	195300	314900	123400	225000	21200	136500	53600	134200	3322300
09/15/92	284300	283000	294200	302500	308800	402200	437300	167400	216300	367700	143300	263600	24900	159600	62800	157000	3874900
09/16/92	236100	146900	154300	157000	160000	208300	226400	86900	116000	189200	122300	136400	25500	168100	79900	171600	2384900
09/17/92	289200	298000	305200	306100	314500	414300	441500	168800	228700	373400	144000	266000	24600	161100	65200	159400	3960000
09/18/92	260600	268700	268000	275800	280700	368800	398100	152400	207400	336200	131300	240000	22600	145500	59000	144000	3559100
09/19/92	277400	285700	281800	294300	297800	392600	424800	162900	214500	356700	139900	256300	24300	155500	62900	154000	3781400
09/20/92	285500	293100	295900	300800	304800	402500	435500	166900	221500	367300	143400	263000	24900	159300	64200	157600	3886200
09/21/92	261300	268900	265800	274700	278500	369600	400400	153500	203300	336000	131200	241900	22600	145700	58700	144400	3556500
09/22/92	288400	295800	295100	303300	306600	408000	441700	169600	227000	370900	143500	266900	25000	161400	65000	159900	3928100
09/23/92	262600	268300	267300	276900	279900	373000	403900	154900	201700	340700	130200	244100	22700	146700	58800	145400	3576900
09/24/92	277900	276800	285700	293700	294900	399000	427000	166000	218600	363400	139900	257500	23200	155000	60400	153500	3792500
09/25/92	291400	289400	301400	305900	307300	415300	442900	169000	220400	372200	146000	267300	24200	162200	62600	161100	3938600
09/26/92	249400	249200	249600	263100	268200	356600	380100	144400	196400	321200	126000	229900	19900	139800	53700	138400	3385900
09/27/92	262300	261700	264900	276700	282800	374800	399500	153000	210000	340000	126100	241200	22000	146900	56200	145000	3563100
09/28/92	296100	293600	307800	313600	321300	426200	453600	173400	230200	383700	154700	274100	25100	166100	63100	163900	4046500
09/29/92	250100	248200	254500	265300	271200	360800	384600	148300	189800	324900	126100	231900	21400	140500	53500	138600	3409700
09/30/92	306800	303400	312400	322900	330600	440200	467800	178100	232300	395400	154400	283300	24500	171700	65200	169700	4158700
TOTAL	8219300	8233000	8328000	8581300	8692900	11531900	12455900	4766900	6326800	10472600	4139200	7508200	708500	4634600	1849800	4577700	111026600

ALLIANT TECHSYSTEMS BGRS/TGRS TREATMENT CENTER WATER METER READING LOG, FOR THE MONTH OF: SEPTEMBER 1992

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
08/31/92	769920000	1036344000	1261365000	1273877000	729327000	611854000	-	-	-	-	-	-	-	-	-	-	-	-
09/01/92	771747000	1038364000	1262501000	1276187000	731312000	613863000	1827000	2020000	3847000	2672	1136000	2310000	3446000	2393	1985000	2009000	3994000	2774
09/02/92	773477000	1040262000	1263582000	1278363000	733186000	615761000	1730000	1898000	3628000	2687	1081000	2176000	3257000	2413	1874000	1898000	3772000	2794
09/03/92	775314000	1042280000	1264717000	1280671000	735178000	617775000	1837000	2018000	3855000	2677	1135000	2308000	3443000	2391	1992000	2014000	4006000	2782
09/04/92	777357000	1044519000	1265945000	1283245000	737391000	620014000	2043000	2239000	4282000	2693	1228000	2574000	3802000	2391	2213000	2239000	4452000	2800
09/05/92	779255000	1046577000	1267134000	1285600000	739434000	622090000	1898000	2058000	3956000	2691	1189000	2355000	3544000	2411	2043000	2076000	4119000	2802
09/06/92	781119000	1048605000	1268304000	1287919000	741451000	624138000	1864000	2028000	3892000	2703	1170000	2319000	3489000	2423	2017000	2048000	4065000	2823
09/07/92	782982000	1050633000	1269473000	1290239000	743467000	626186000	1863000	2028000	3891000	2702	1169000	2320000	3489000	2423	2016000	2048000	4064000	2822
09/08/92	784683000	1052490000	1270526000	1292371000	745314000	628061000	1701000	1857000	3558000	2695	1053000	2132000	3185000	2413	1847000	1875000	3722000	2820
09/09/92	786536000	1054524000	1271674000	1294710000	747337000	630112000	1853000	2034000	3887000	2699	1148000	2339000	3487000	2422	2023000	2051000	4074000	2829
09/10/92	788303000	1056455000	1272782000	1296924000	749263000	632062000	1767000	1931000	3698000	2680	1108000	2214000	3322000	2407	1926000	1950000	3876000	2809
09/11/92	790237000	1058567000	1273932000	1299357000	751378000	634198000	1934000	2112000	4046000	2697	1150000	2433000	3583000	2389	2115000	2136000	4251000	2834
09/12/92	791599000	1060042000	1274773000	1301058000	752859000	635694000	1362000	1475000	2837000	2627	841000	1701000	2542000	2354	1481000	1496000	2977000	2756
09/13/92	793764000	1062399000	1276095000	1303786000	755224000	638077000	2165000	2357000	4522000	2692	1322000	2728000	4050000	2411	2365000	2383000	4748000	2826
09/14/92	795387000	1064172000	1277083000	1305844000	757005000	639871000	1623000	1773000	3396000	2695	988000	2058000	3046000	2417	1781000	1794000	3575000	2837
09/15/92	797269000	1066241000	1278225000	1308248000	759079000	641955000	1882000	2069000	3951000	2688	1142000	2404000	3546000	2412	2074000	2084000	4158000	2829
09/16/92	798604000	1067313000	1279112000	1309492000	760305000	643217000	1335000	1072000	2407000	1543	887000	1244000	2131000	1366	1226000	1262000	2488000	1595
09/17/92	800551000	1069419000	1280330000	1311895000	762443000	645359000	1947000	2106000	4053000	2702	1218000	2403000	3621000	2414	2138000	2142000	4280000	2853
09/18/92	802293000	1071312000	1281436000	1314054000	764363000	647280000	1742000	1893000	3635000	2693	1106000	2159000	3265000	2419	1920000	1921000	3841000	2845
09/19/92	804133000	1073330000	1282582000	1316370000	766412000	649321000	1840000	2018000	3858000	2679	1146000	2316000	3462000	2404	2049000	2041000	4090000	2840
09/20/92	806030000	1075402000	1283775000	1318727000	768519000	651415000	1897000	2072000	3969000	2700	1193000	2357000	3550000	2415	2107000	2094000	4201000	2858
09/21/92	807759000	1077292000	1284848000	1320893000	770447000	653329000	1729000	1890000	3619000	2681	1073000	2166000	3239000	2399	1928000	1914000	3842000	2846
09/22/92	809677000	1079396000	1286042000	1323301000	772594000	655454000	1918000	2104000	4022000	2681	1194000	2408000	3602000	2401	2147000	2125000	4272000	2848
09/23/92	811400000	1081300000	1287108000	1325483000	774539000	657375000	1723000	1904000	3627000	2687	1066000	2182000	3248000	2406	1945000	1921000	3866000	2864
09/24/92	813236000	1083311000	1288499000	1327527000	776608000	659415000	1836000	2011000	3847000	2672	1391000	2044000	3435000	2385	2069000	2040000	4109000	2853
09/25/92	815164000	1085425000	1289971000	1329667000	778783000	661550000	1928000	2114000	4042000	2695	1472000	2140000	3612000	2408	2175000	2135000	4310000	2873
09/26/92	816833000	1087244000	1291243000	1331475000	780666000	663396000	1669000	1819000	3488000	2704	1272000	1808000	3080000	2388	1883000	1846000	3729000	2891
09/27/92	818583000	1089149000	1292568000	1333412000	782653000	665332000	1750000	1905000	3655000	2707	1325000	1937000	3262000	2416	1987000	1936000	3923000	2906
09/28/92	820553000	1091299000	1294062000	1335595000	784895000	667515000	1970000	2150000	4120000	2693	1494000	2183000	3677000	2403	2242000	2183000	4425000	2892
09/29/92	822196000	1093108000	1295325000	1337412000	786785000	669354000	1643000	1809000	3452000	2676	1263000	1817000	3080000	2388	1890000	1839000	3729000	2891
09/30/92	824232800	1095345000	1296879000	1339669000	789111000	671608000	2036000	2237000	4273000	2687	1554000	2257000	3811000	2397	2326000	2254000	4580000	2881
	54312000	59001000	35514000	65792000	59784000	59754000	54312000	59001000	113313000	2688	35514000	65792000	101306000	2403	59784000	59754000	119538000	2836

*** NOTE: WHEN TRACKING TOTAL SYSTEM FLOW VOLUMES USE METERS #1 AND #2. METERS #3 & #4 AND #5 & #6 ARE PROCESS CONTROL METERS ONLY AND SHOULD NOT BE USED FOR TRACKING FLOW VOLUMES. ***

Appendix H.2

1992 TGRS Inspection and Maintenance Activities

OCTOBER, 1991

NOTES:

(1) 10/06/91, FCC PERFORMING ELECTRICAL REPAIRS. FCC REQUESTING TREATMENT CENTER BE TURNED OFF FOR THE DAY. SYSTEM DOWN TIME: 8.0 HOURS.

(2) 10/10/91, DURING DAILY INSPECTION, B-1 FLASHING AT THE PLC PANEL IN 116. AFTER TROUBLESHOOTING, IT WAS DISCOVERED THAT EITHER THE PUMP OR MOTOR HAD SEPARATED FROM THE DROP PIPE. A SERVICE CALL WAS MADE TO BERGERSON-CASWELL INC. AND A ON-SITE SERVICE CALL WILL BE PERFORMED ON 10/11/91. ELECTRICAL SERVICE TO PUMP WAS TURNED OFF.

(3) 10/11/91, BERGERSON-CASWELL INC. ON-SITE AT 9:45 a.m. FOR SERVICEING OF B-1. THE PUMP HAD TO BE "FISHED" OUT BY ITS WIRING. THE SWEDGE NIPPLE CONNECTED TO THE PUMP WAS COMPLETELY CORRODED AND WAS THE CAUSE OF THE DECREASE OF WATER FLOW AND THE SEPARATION OF THE PUMP. TOTAL DOWN TIME: 29 HOURS.

(4) 10/23/91, FCC REPAIRING TCAAP ELECTRICAL SERVICE, POWER DOWN TO TGRS, DOWN TIME WAS 10.5 HOURS.

(5) 10/28/91, FCC REPAIRING TCAAP ELECTRICAL SERVICE, POWER OFF TO THE TGRS SYSTEM. THIS IS A CONTINUOUS WORK ORDER FROM 10/23 WORK PLAN. DOWN TIME 3.0 HOURS.

NOVEMBER, 1991

NOTES:

(1) 11/01 - 11/04 UNABLE TO PHYSICALLY PERFORM DAILY INSPECTION DUE TO SEVERE SNOW STORM. FLOW RATES AND METER READINGS HAVE BEEN ESTIMATED DURING THESE DAYS.

(2) 11/03/91, AFTER THE SNOW STORM, A VISUAL INSPECTION AT GATE 4 WAS PERFORMED TO CHECK IF ROADWAYS TO THE PUMPHOUSES WERE PLOWED. THEY WERE NOT PLOWED AT THIS TIME. HOWEVER, A VISUAL INSPECTION AT BUILDING 116 WAS PERFORMED TO FIND ANY INDICATING PROBLEMS. THERE WAS NONE.

(3) 11/05/91, FCC CONTACTED CRA OF POWER OUTAGE. A POWER SURGE ALL AT ONCE HAD BLOWN A TRANSFORMER. THE TREATMENT FACILITY WAS AFFECTED AND NEEDED TO BE RESTARTED AS SOON AS THE REPAIRS TO THE TRANSFORMER WERE COMPLETED. SYSTEM DOWN TIME: 4.5 HOURS.

(4) 11/07/91, WET WELL PUMP #1 STARTER TRIPPED ON OVERLOAD TO THE SYSTEM. THE GEARS TO THE RESET SWITCH WERE SLIGHTLY OUT OF ALIGNMENT AND NEEDED TO BE MANUALLY RESET. BERGERSON-CASWELL AND LAUGHLIN ELECTRIC WAS CONTACTED FOR SERVICING. THIS WAS A VERY UNUSUAL CIRCUMSTANCE AND UNABLE TO EXPLAIN. THE MOST LOGICAL ANSWER COULD OF BEEN DUE TO ANOTHER POWER SURGE WITHIN THE PLANTS FACILITY. BASED ON TOTAL GALLONS FOR THE DAY, THE SITUATION OCCURED APPROXIMATELY 3.5 HOURS AFTER NOV. 6th DAILY INSPECTION. 21 HOURS OF CYCLIN

(5) 11/19/91, FCC AND COLLINS ELECTRIC PERFORMING ELECTRICAL MODIFICATIONS. INSTALLATION OF A STATIC GROUND WIRE. SYSTEM DOWN TIME: 8.0 HOURS.

(6) 11/21/91, FCC AND COLLINS ELECTRIC PERFORMING ELECTRICAL MODIFICATIONS. INSTALLATION OF ELECTRICAL SWITCHES BY BUILDING 104. THIS WILL AFFECT THE BOUNDARY WELLS. SYSTEM DOWN TIME: 8.0 HOURS.

(7) 11/24/91, FCC AND COLLINS ELECTRIC PERFORMING ELECTRICAL MODIFICATIONS. INSTALLATION OF NEW POWER POLES AND LIGHTNING ARRESTORS WITHIN THE PLANTS FACILITIES. SYSTEM DOWN TIME: 9.5 HOURS.

(8) 11/30/91, UNABLE TO PHYSICALLY COLLECT DAILY METER READINGS AND INSPECTION DUE TO SEVERE SNOW STORM. A VISUAL INSPECTION WAS PERFORMED THROUGH THE WINDOW TO BUILDING 116 TO FIND ANY INDICATING PROBLEMS, THERE WAS NONE. FLOW RATES AND METER TOTALIZERS WERE ESTIMATED FROM NOVEMBER 29th ACTUAL DAILY INSPECTION.

DECEMBER, 1991

NOTES:

(1) 12/01/91, FLOW RATES AND METER READING TOTALIZERS HAVE BEEN ESTIMATED DUE TO NOV. 29th, SNOW STORM.

(2) 12/02/91, FLOW RATES AND METER READING TOTALIZERS HAVE BEEN ESTIMATED DUE TO NOV. 29th, SNOW STORM.

(3) 12/03/91, FCC AND COLLINS ELECTRIC PERFORMING ELECTRICAL MODIFICATIONS. FCC REQUESTING THE SOURCE CONTROL WELLS ONLY BE DOWN FOR THE DAY. DOWN TIME: 8.0 HOURS.

(4) 12/04/91, FCC CONTACTED CRA AND INFORMED US OF A POSSIBLE FAULTY ALTITUDE VALVE AT THE WATER TOWER. A SERVICE CALL WAS MADE TO BERGERSON-CASWELL INC. TO FURTHER TROUBLESHOOT, CLEAN OR REPAIR AS NECESSARY. A THOROUGH CLEANING OF THE PILOT AND ASSOCIATED PARTS WAS CONDUCTED.

(5) 12/05/91, FCC CONTACTED CRA AND INFORMED US THAT THE WATER TOWER WILL NOT FILL. A SERVICE CALL WAS MADE TO BERGERSON-CASWELL INC. TO RETURN TO THE ALTITUDE VALVE FOR A SECOND CLEANING. IT APPEARS THAT A SLUG OF RUST FLAKES ENTERED THE LINE. A BROKEN "Y" STRAINER WAS DISCOVERED. STRAINER BY-PASSED PENDING REPLACEMENT. REPAIRED ON 12/13.

(6) 12/07/91, FCC AND COLLINS ELECTRIC PERFORMING ELECTRICAL MODIFICATIONS. INSTALLATION OF STATIC GROUND WIRE FROM SUB-STATION "Y" WORKING TOWARDS BUILDINGS 102 AND 103. SYSTEM DOWN TIME: 10.0 HOURS.

(7) 12/10/91, SC-2 FLOW RATE DECREASING. PUMP, MOTOR AND RISER PIPE REMOVED FROM WELL FOR THOROUGH CLEANING. THE PUMP AND MOTOR WAS TAKEN TO B-C'S SHOP. A NEW PUMP AND MOTOR FROM INVENTORY WAS USED. HEAVY IRON BUILD WAS THE MAIN REASON FOR THE DECREASING FLOW RATE. DOWN TIME: 5.5 HOURS.

(8) 12/12/91, SC-4 FLOW RATE DECREASING. PUMP, MOTOR AND RISER PIPE REMOVED AND THOROUGHLY CLEANED. SC-2'S ORIGINAL PUMP AND MOTOR WAS USED FOR SC-4 AND SC-4'S PUMP AND MOTOR WENT TO B-C'S SHOP FOR TROUBLESHOOTING AND REBUILD AS NECESSARY. DOWN TIME: 5.5 HOURS.

(9) 12/14/91, FCC AND COLLINS ELECTRIC PERFORMING ELECTRICAL MODIFICATIONS. INSTALLATION OF ELECTRIC PULL SWITCHES TO NEW POWER POLES. SYSTEM DOWN TIME: 8.0 HOURS.

JANUARY, 1992

NOTES:

(1) 01/11/92, DURING DAILY INSPECTION, FCC EXPERIENCED A POWER OUTAGE. THIS OUTAGE HAD AFFECTED THE BGRS AND CAUSED THE TREATMENT CENTER TO SHUT DOWN. FCC ELECTRICIANS TROUBLESHOOTED A FAULTY TRANSFORMER AND REPAIRED WITHIN 4.5 HOURS.

(2) 01/14/92, PREVENTIVE MAINTENANCE AND MONTHLY INSPECTION TODAY.

(3) 01/18/92, B9 DOOR SET FROZEN, THAWED OUT.

(4) 01/19/92, WWP#1 DOWN, RESET CIRCUIT (AT MCC), THAW OUT FROZEN TOWER, DISASSEMBLED AND THAW OUT FROZEN BLOWER. DON WESTERMAN, FCC ASSISTED WITH STEAM HEATING FROZEN BLOWER. DOWN TIME 4.0 HRS.

FEBRUARY, 1992

NOTES:

(1) 02/05/92, FLOW METER FOR WET WELL #1 WAS DISCOVERED TO BE INOPERATIVE. THE FLOW METER WAS CHANGED WITH ONE FROM INVENTORY ON 02/06/92 AT 9:30 PM. TOTAL FLOW FOR 02/05/92 AND 02/06/92 IS ESTIMATED BASED ON THE PRESENT FLOW RATE.

(2) 02/10/92, LAUGHLIN ELECTRIC AND COMMONWEALTH INC. ON-SITE TO TROUBLESHOOT OIL LEAKAGE FROM A 50 kva TRANSFORMER ABOVE PUMPHOUSE B-5. THIS PROCEDURE WAS TO DETERMINE A COST ESTIMATE FOR REPAIRS. NO SYSTEM DOWN TIME.

(3) 02/28/92, PREVENTIVE MAINTENANCE AND MONTHLY INSPECTION PERFORMED. ROBERT MEYER OF BERGERSON-CASWELL INC. AND DAVE KING OF CRA PERFORMING THE INSPECTIONS.

(4) 02/28/92, DURING PREVENTIVE MAINTENANCE/MONTHLY INSPECTION, PUMPHOUSE B-6 PUMP AND MOTOR SEPARATED FROM THE RISER PIPE AND FELL TO BOTTOM OF WELL. SCHEDULE EMERGENCY PUMP PULL FOR SATURDAY.

(5) 02/29/92, BERGERSON-CASWELL INC. AND CRA PERSONNEL ON-SITE AT 8:30a.m. FOR PUMP PULLING AT B-6. REPAIR TIME 6.0 HOURS. TOTAL DOWN TIME OF PUMPHOUSE WAS 27.0 HOURS.

MARCH, 1992

NOTES:

(1) 03/01/92, BERGERSON-CASWELL INC. ON-SITE FOR THE REMOVAL OF PUMPHOUSE B-6'S PUMP AND MOTOR. THE NEW 30 h.p. PUMP UNABLE TO MAINTAIN ADEQUATE FLOW. A NEW MOTOR WITH THE ORIGINAL "REBUILT" PUMP WAS INSTALLED. THE NEW PUMP THAT WAS PULLED WILL BE INSPECTED INTERNALLY AT B-C'S SHOP. DN. TIME 4.0 HOURS.

(2) 03/19/92, LAUGHLIN ELECTRIC ON-SITE FOR THE INSTALLATION OF 5, 120 VOLT SURGE SUPPRESSORS. INSTALLATIONS PERFORMED AT PUMPHOUSES B-2 THROUGH B-6. DOWN TIME PER PUMPHOUSE WAS 1.0 HOUR.

(3) 03/30/92, PREVENTIVE MAINTENANCE AND MONTHLY INSPECTION TODAY.

APRIL, 1992

NOTES:

(1) 04/04/92, DUE TO DAY LIGHT SAVINGS TIME THE TOTAL FLOW DECREASED BECAUSE OF THE 1 HOUR TIME DIFFERENCE.

(2) 04/22/92, DURING DAILY INSPECTION, BLOWER #4 FOUND INOPERATIVE. A FUSE WITHIN THE STARTER AT THE MAIN PANEL HAD BLOWN. SERVICE CALL MADE TO BERGERSON-CASWELL INC. FOR REPAIRS. ESTIMATED DOWN TIME 21 HOURS SINCE LAST INSPECTION.

MAY, 1992

NOTES:

(1) 05/11/92, DURING DAILY INSPECTION, DISCOVERED BLOWER BELT FOR TOWER #2 BROKEN. REPLACED BELT WITH NEW BELT FROM INVENTORY. BLOWER RETURNED TO SERVICE AT 10:30 a.m.. ESTIMATED DOWN TIME OF BREAKAGE WAS BETWEEN 5:00 AND 6:00 a.m. THAT MORNING (5.5 TO 4.5 HOURS).

(2) 05/16/92, FCC EXPERIENCED A ELECTRICAL SERVICE BREAKDOWN WHICH AFFECTED THE SOURCE CONTROL WELLS ONLY. FCC REPAIRED SERVICE AND THE SOURCE CONTROL WELLS WERE BACK TO SERVICE. ESTIMATED DOWN TIME OCCURED BETWEEN 12:00 AND 12:30 p.m. AND LASTED FOR 15 MINUTES.

JUNE, 1992

NOTES:

(1) 06/01/92, THE SC-2 FLOW METER WAS FOUND TO BE INOPERATIVE. AFTER THE METER WAS PULLED AND CLEANED, IT OPERATED NORMALLY. THE FLOWRATE AND TOTAL GALLONS HAVE BEEN ESTIMATED TO THE PERIOD OF 5/31/92 THROUGH 6/1/92.

(2) 06/08/92, THE PUMP IN WELL SC-2 WAS NOT OPERATING WHEN CHECKED DURING THE DAILY INSPECTION. THE PUMP WAS RESTARTED BY ACTIVATING THE ON/OFF SWITCH AT THE PLC PANEL (BLDG. 116) AND OPERATED NORMALLY THEREAFTER.

(3) 06/09/92, PUMPHOUSE B-2'S PUMP AND MOTOR REMOVED FOR REPAIRS. WELL SCREEN CLEANED AND RISER PIPES JETTED. LOW LEVEL PROBE FROM TOP OF CASING TO THE CONTROL PANEL REPLACED. DOWN TIME: 6.0 HOURS.

(4) 06/26/92, THE TRANSFORMER ABOVE PUMPHOUSE B-5 WAS LEAKING OIL. THE TRANSFORMER HAD ALL NEW RUBBER GASKETS AND PLUGS REPLACED. TIME OF REPAIRS WAS 3.5 HOURS.

(5) 06/26/92, DEMISTERS PADS FOR THE TREATMENT TOWERS WERE REMOVED AND STEAMED CLEANED. HEAVY ALGEA GROWTH WAS PRESENT ON TOWERS 1 THROUGH 3. ONE SET OF DEMISTER MATERIAL WAS INSTALLED IN TOWER 1. THE SPARE SET HAS BEEN PUT INTO INVENTORY. DOWN TIME 4.0 HOURS.

JULY, 1992

NOTES:

(1) 07/03/92, FCC PERFORMING MAINTENANCE ON TCAAP ELECTRICAL SERVICE, SYSTEM DOWN 9.0 HRS.

(2) 07/03/92, SC-3 DOWNHOLE CHECK VALVE IS LEAKING, SUCKS AIR IN THROUGH AIR RELIEF VALVE WHEN PUMP IS SHUT DOWN.

(3) 07/10/92, B-3 DOWN FOR REPAIRS. O-RING FROM PITLESS ADAPTOR SEVERELY WORN AND CAUSING LEAKAGE AT THE PIPE INLET. BERGERSON-CASWELL PERFORMED THE REPAIRS. DOWN TIME 1.5 HRS.

(4) 07/23/92, B-3 INPUT/OUTPUT CARDS DIRTY. TRIPPED WELL OFF. REMOVED AND CLEANED CONNECTIONS AND RESTARTED PUMPHOUSE. ESTIMATED DOWN TIME 18.5 HOURS SINCE LAST PUMPHOUSE INSPECTION.

(5) 07/29/92, WET WELL PUMP #2 CLOSED WITHOUT COMMAND. THE VALVE WAS OPENED MANUALLY AND OPERATED NORMALLY AFTERWARD. THE PROBLEM CAUSED THE WELL FIELD TO CYCLE, BUT DID NOT CAUSE ANY SYSTEM DOWN TIME.

AUGUST, 1992

NOTES:

(1) 08/03/92, FLOW METER #5 IN TREATMENT CENTER INOPERATIVE. REMOVED METER AND SHIPPED BACK TO THE MANUFACTURER FOR FURTHER TROUBLESHOOTING. METER READINGS WILL REMAIN THE SAME UNTIL METER IS RETURNED AND REINSTALLED.

(2) 08/03/92, TCAAP POWER OUTAGE FROM 9:00 TO 10:00 P.M.. WELL FIELD CYCLED 58 TIMES AND W.W. PUMP #2 VALVE "CLOSED WITHOUT COMMAND". THIS WILL AFFECT THE TOTAL FLOWS AND GALLONS PER MINUTE. DOWN TIME 1.0 HOUR.

(3) 08/10/92, TRANSDUCER FOR METER #5 IN TREATMENT CENTER WAS REPLACED. SYSTEM HAD TO BE TURNED OFF FOR A HALF HOUR DURING THE REPAIRS.

(4) 08/15/92, E.C.V. #2 "CLOSED WITHOUT COMMAND". SOLENOID AND REGULATOR MALFUNCTIONED. REMOVED AND CLEANED AS NECESSARY. WELL FIELD CYCLED 28 TIMES WITHIN A 3.0 HOUR PERIOD. FLOW RATES AND TOTAL VOLUMES WILL BE AFFECTED DURING THE INCIDENT.

(5) 08/22/92, WET WELL PUMP MOTOR #3 HAD FAILED ONE HALF HOUR AFTER DAILY INSPECTION. SERVICE CALL MADE TO B-C INC. AT 4:30 P.M.. NICK SCHULTZ OF B-C ON-SITE AT 6:30 P.M. TO BALANCE THE SYSTEM BY MANUALLY TURN OFF PUMPHOUSES B-2,B-3,B-4,B-5,B-11 AND THE SC WELLS.

(6) 08/23/92, CANADIAN GOOSE FLEW IN BETWEEN POWER LINES (XY TIE LINE) AND BLOWN A FUSE WHICH AFFECTED THE BOUNDARY WELLS. BOUNDARY WELLS DOWN FOR 2.0 HOURS.

(7) 08/23/92, PUMPHOUSE B-3 HAD BLOWN A FUSE DUE TO THE CANADIAN GOOSE MAKING CONTACT WITH THE POWER LINES. THE 120V, 15 AMP FUSE WAS REPLACED ON 08/24 AFTER THE REPAIRS TO WET WELL MOTOR #3 IN TREATMENT CENTER. B-3 DOWN TIME: 17.0 HRS.

(8) 08/24/92, WET WELL MOTOR #3 REMOVED FOR REPAIRS. SPARE 75 h.P. MOTOR INSTALLED THROUGH B-C INC. SYSTEM PARTIALLY OPERATED AT A DECREASE OF 1,275 g.p.m. TO COMPENSATE FOR THE LOSS OF WET WELL PUMP #3. WELL FIELD CYCLED 134 TIMES THROUGH OUT THE WEEKEND. TOTAL DOWN TIME: 51.5 HOURS.

(9) 08/28/92, FLOW METER FOR WET WELL PUMP #3 INOPERATIVE. SERVICE CALL MADE TO B-C INC. TO TROUBLESHOOT AND REPAIR AS NEEDED. A SPARE 10' NEPTUNE COVER FROM INVENTORY WAS USED. PUMP WAS DOWN FOR A HALF HOUR DURING THE REPAIR.

(10) 08/29/92, BEN IMBERTSON (FCC) REQUESTING SYSTEM BE MANUALLY TURNED OFF FOR THE DAY DUE TO ELECTRICAL SERVICE REPAIRS. DAN NELSON (CRA) ON-SITE AT 8:30 a.m. TO TURN SYSTEM OFF. RETURNED ON-SITE AT 3:30 p.m. TO TURN SYSTEM BACK ON AND TO MONITOR PROPER START UP PROCEDURES. SYSTEM DOWN TIME: 7.0 HOURS.

SEPTEMBER, 1992

NOTES:

(1) 09/11/92, TREATMENT CENTER TURNED "OFF" DURING THE REMOVAL OF RENTAL 75 h.p. MOTOR AND THE INSTALLATION OF THE REBUILT 75 h.p. MOTOR FOR WET WELL #3. DOWN TIME: 3.0 HOURS.

(2) 09/15/92, SEVERE THUNDER AND LIGHTENING STORMS HAD PRODUCED POWER OUTAGES AT BUILDINGS 103, 502, AND SECTIONS OF FCC. THE BOUNDARY WELLS ONLY WERE AFFECTED. DOWN TIME: 5.0 HOURS.

(3) 09/25/92, FCC PERFORMING ELECTRICAL REPAIRS DUE TO 9/15th. SEVERE THUNDER AND LIGHTENING STORMS. CRA PERSONNEL ON-SITE TO MANUALLY TURN SYSTEM "OFF". DOWN TIME: 4.0 HOURS.

Appendix H.3

1992 TGRS Events

SUMMARY OF EXTRACTION WELL AND TREATMENT CENTER DOWN TIME

B1	B2	B3	B4	B5	B6
10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS
10/10/91 PUMP SEPARATED FROM WELL PIPE DOWN TIME: 29 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS
10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS
10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS
11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS
11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS	11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS	11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS	11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS	11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS
11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS
11/24/91 FCC & COLLINS ELCTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS
12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS

SUMMARY OF EXTRACTION WELL AND TREATMENT CENTER DOWN TIME

B1	B2	B3	B4	B5	B6
12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS
01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	03/19/91 LAUGHLIN ELECTRIC INSTALLED 120 V SURGE SUPPRESSORS DOWN TIME: 1 HOUR	03/19/91 LAUGHLIN ELECTRIC INSTALLED 120 V SURGE SUPPRESSORS DOWN TIME: 1 HOUR	03/19/91 LAUGHLIN ELECTRIC INSTALLED 120 V SURGE SUPPRESSORS DOWN TIME: 1 HOUR	03/19/91 LAUGHLIN ELECTRIC INSTALLED 120 V SURGE SUPPRESSORS DOWN TIME: 1 HOUR	02/28/92 PUMP AND MOTOR SEPARATED FROM WELL PIPE DOWN TIME: 27 HOURS
07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	06/09/92 PUMP AND MOTOR PULLED FOR REPAIRS DOWN TIME: 6 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	06/26/92 TRANSFORMER ABOVE PUMPHOUSE REPAIRED DOWN TIME: 3.5 HOURS	03/01/92 PUMP AND MOTOR REPLACED DOWN TIME: 4 HOURS
08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	07/10/92 PITLESS ADAPTOR O-RING REPLACED DOWN TIME: 1.5 HOURS	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	03/19/91 LAUGHLIN ELECTRIC INSTALLED 120 V SURGE SUPPRESSORS DOWN TIME: 1 HOUR
08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	07/23/92 I/O CARD CLEANED BECAUSE PUMP WAS OFF DOWN TIME:18.5 HOURS	08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS
08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR
09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	08/23/92 BLOWN FUSE IN PUMPHOUSE DOWN TIME:17 HOURS	09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS	08/29/92 FCC PERFORMING ELECRICAL REPAIRS DOWN TIME:7 HOURS	08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS
09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS	08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS	09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS
	09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS		09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS
		09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS			

SUMMARY OF EXTRACTION WELL AND TREATMENT CENTER DOWN TIME

B1	B2	B3	B4	B5	B6
		09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS			09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS

SUMMARY OF EXTRACTION WELL AND TREATMENT CENTER DOWN TIME

B7	B8	B9	B10	B11	B12
10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS
10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS
10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS
11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS
11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS
11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS	11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS	11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS	11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS	11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS	11/21/91 FCC ELECTRICAL WORK AT BUILDING 104 DOWN TIME:8 HOURS
11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELCTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS
12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS
12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS

SUMMARY OF EXTRACTION WELL AND TREATMENT CENTER DOWN TIME

B7	B8	B9	B10	B11	B12
01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS
07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS
08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR
08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS	08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS	08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS	08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS	08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS	08/23/92 GOOSE IN POWER LINES POWER DOWN DOWN TIME:2 HOURS
08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS
09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS	09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS	09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS	09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS	09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS	09/15/92 POWER OUTAGE AT BLDGS 502 AND 103 DOWN TIME:5 HOURS
09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS

SUMMARY OF EXTRACTION WELL AND TREATMENT CENTER DOWN TIME

SC1	SC2	SC3	SC4	SC5	TREATMENT CENTER
10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS	10/06/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 8 HOURS
10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS	10/23/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 10.5 HOURS
10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS	10/28/91 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME: 3 HOURS
11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS	11/05/91 FCC TRANSFORMER BLOWN. DOWN TIME: 4.5 HOURS
11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS	11/19/91 FCC & COLLINS ELECTR. INSTALLING STATIC GROUND WIRES DOWN TIME: 8 HOURS
11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS	11/24/91 FCC & COLLINS ELECTR. INSTALLING POLES & LIGHTNING ARRESTORS DOWN TIME: 9.5 HOURS
12/03/91 FCC & COLLINS ELECTR. MODIFYING ELECTRIC SYSTEMS DOWN TIME: 8 HOURS	12/03/91 FCC & COLLINS ELECTR. MODIFYING ELECTRIC SYSTEMS DOWN TIME: 8 HOURS	12/03/91 FCC & COLLINS ELECTR. MODIFYING ELECTRIC SYSTEMS DOWN TIME: 8 HOURS	12/03/91 FCC & COLLINS ELECTR. MODIFYING ELECTRIC SYSTEMS DOWN TIME: 8 HOURS	12/03/91 FCC & COLLINS ELECTR. MODIFYING ELECTRIC SYSTEMS DOWN TIME: 8 HOURS	12/03/91 FCC & COLLINS ELECTR. MODIFYING ELECTRIC SYSTEMS DOWN TIME: 8 HOURS
12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS	12/07/91 FCC & COLLINS ELECTR. PERFORMING ELECTRICAL MODIFICATIONS DOWN TIME: 10 HOURS
12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/10/91 PUMP & MOTOR REPLACED DOWN TIME: 5.5 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/12/91 PUMP & MOTOR REPLACED DOWN TIME: 5.5 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS

SUMMARY OF EXTRACTION WELL AND TREATMENT CENTER DOWN TIME

SC1	SC2	SC3	SC4	SC5	TREATMENT CENTER
01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	12/14/91 FCC & COLLINS ELECTR. PULL SWITCHES INSTALLED DOWN TIME: 8 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS
07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	01/11/92 FCC EXPERIENCED A POWER FAILURE DOWN TIME: 4.5 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	01/19/92 TOWER FROZEN THAWED OUT BY STEAM HEATING DOWN TIME: 4 HOURS
08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	06/08/92 PUMP WAS RESTARTED DURING DAILY INSPECT. DOWN TIME: 22.5	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	06/26/92 DEMISTER PADS IN TOWER 1 REPLACED DOWN TIME: 4 HOURS
08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	07/03/92 FCC PERFORMING ELECTRICAL MAINTENANCE DOWN TIME: 9 HOURS
09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR	09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS	09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS	08/03/92 TCAAP POWER OUTAGE DOWN TIME: 1 HOUR
	08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS		09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS		08/10/92 TRANSDUCER IN METER #5 REPLACED DOWN TIME: .5 HOURS
	09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS				08/24/92 SHUT DOWN FOR REPAIRS OF WET WELL #3 MOTOR DOWN TIME:51.5 HOURS
					08/29/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:7 HOURS
					09/11/92 MOTOR FOR WET WELL #3 REPLACED DOWN TIME:3 HOURS

SUMMARY OF EXTRACTION WELL AND TREATMENT CENTER DOWN TIME

SC1	SC2	SC3	SC4	SC5	TREATMENT CENTER
					09/25/92 FCC PERFORMING ELECTRICAL REPAIRS DOWN TIME:4 HOURS