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Supplemental Data Package for the Low-Level Waste Disposal Development and Demonstration Program Data Collection Period: April 1988 – September 1989

L. F. Truett
R. H. Ketelle

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ORNL/TM-11416

Energy Division

SUPPLEMENTAL DATA PACKAGE FOR THE LOW-LEVEL WASTE DISPOSAL DEVELOPMENT AND DEMONSTRATION PROGRAM DATA COLLECTION PERIOD: APRIL 1988 - SEPTEMBER 1989

L. F. Truett
R. H. Ketelle

Date of Preparation: December 1989

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ABSTRACT

This data package is the final report of data that were collected between April 1988 and September 1989 at each of four sites: Solid Waste Storage Area 7, West Bear Creek Valley, West Chestnut Ridge, and East Chestnut Ridge. This report contains water table elevation data, precipitation data, surface water discharge data, and results of water quality analyses. Specific dates for each data type collected are given in the appropriate sections. The sections are organized by site. This report will support an Environmental Impact Statement, the purpose of which is to evaluate the effects of future disposal of low-level waste at these four sites on the Oak Ridge Reservation.

1. INTRODUCTION

The Low-Level Waste Disposal Development and Demonstration (LLWDDD) Program of the U.S. Department of Energy (DOE) Oak Ridge Operations (ORO) encompasses a variety of technical research and technology development activities focused on developing environmentally acceptable low-level waste disposal facilities at Oak Ridge, Tennessee. As part of the LLWDDD Program, four candidate sites are being studied to obtain baseline environmental data. These sites include Solid Waste Storage Area (SWSA) 7, West Bear Creek Valley, West Chestnut Ridge, and East Chestnut Ridge. The East Chestnut Ridge site is in the initial stages of data collection, and only partial data are available for inclusion in this report. Locations of these four sites within the Oak Ridge Reservation are shown on Fig. 1.1. For each chapter in this report, the figures and tables are grouped at the end of the chapter.

1.1 ORGANIZATION OF THE REPORT

This report contains water table elevation data, precipitation data, surface water discharge data, and results of water quality analyses. Data collected for each site are presented in the appropriate section; water elevation data for the Bear Creek Valley Model Validation site are included as a subsection in the chapter on West Bear Creek Valley.

Because data were supplied by several different groups, the dates of the data collection periods or analyses are not always consistent. Data collection periods for the data included in this document are given in Table 1.1.

A comprehensive report, published in September 1988 (Walker and Saylor, 1988), included data on geology, soils, and ecology for each of the sites. Fourth quarter FY88 water quality data were not available for publication in Walker and Saylor. Appendix B of this report contains final water quality summary data for FY88 samples.

1.2 DATA MANAGEMENT PLAN, FY89

Data collection was performed by several investigators (Table 1.2). Data provided to L. F. Truett, Oak Ridge National Laboratory (ORNL) Energy Division, from the various data sources were incorporated in a dBASE III PLUS data base system.

Water elevation data were provided by Automated Sciences Group (ASG) in formatted dBASE tables. Hand-written field data sheets documenting field physicochemical parameters were provided for entry in the data management system. Laboratory analytical data were retained in the Environmental Monitoring and Compliance VAX computer database, and ASCII data files were provided via electronic file transfer. Precipitation data and surface water discharge data were provided via ASCII files on floppy diskettes to be incorporated into the LLWDDD data base.

1.3 LLWDDD DATA COLLECTION SITES, FY89

The wells and flumes sampled for water elevations and/or chemical analysis are listed in Table 1.3. The data collection stations for precipitation measurements are listed in Table 1.4, and the surface water discharge sites are listed in Table 1.5. Maps showing data collection and sample site locations for SWSA 7, West Bear Creek Valley, and West Chestnut Ridge were published in Walker and Saylor (1988). A map showing data collection and sample site locations for the East Chestnut Ridge site is included in this report in a pocket inside the back cover (Plate 1).

1.4 LLWDDD SAMPLING PLAN, FY89

Continued baseline site monitoring of the LLWDDD sites requires sampling and analysis of surface water and groundwater. This sampling plan outlines the scope of the water sampling and analytical activities at four sites: SWSA 7, West Bear Creek Valley, West Chestnut Ridge, and East Chestnut Ridge.

Grab samples of surface water for chemical analysis were collected at the flumes identified in Table 1.3. Groundwater samples were collected from selected wells following appropriate well purging.

Samples were collected and analyzed on a quarterly frequency. The FY89 sampling results are included as tables within the body of this report. The first quarterly sampling for FY89 was performed in late November and early December 1988, the second during March 1989, the third during May and June, and the final during August and September 1989.

Sixteen surface water discharge stations were sampled: five at Bear Creek, four at SWSA 7, five at West Chestnut Ridge, and two at East Chestnut Ridge. Sampling of the two sites on East Chestnut Ridge began the last quarter of FY89.

Thirty-two groundwater sites were sampled, eight sites each at SWSA 7, Bear Creek Valley, West Chestnut Ridge, and East Chestnut Ridge. Sampling of the eight wells at East Chestnut Ridge began the last quarter of FY89.

1.4.1 Analytical Parameters

Field measurements made and recorded on each sample at the time of collection included pH, temperature, dissolved oxygen, conductivity, and turbidity. All samples were analyzed for dissolved metals by ICAP, anions by ion chromatography, alkalinity by titration, total organic carbon and total organic halogens, and radiological parameters including gross alpha, gross beta, tritium, and gamma scan and total uranium.

1.4.2 Quality Assurance

Quality assurance measures implemented in this sampling program included:

- o routine calibration of field instruments using methods recommended by the manufacturer,
- o preparation and submittal to the laboratory of one field blank to accompany each set of surface water samples and one field blank to accompany each set of groundwater samples submitted for analysis,
- o collection and submittal to the laboratory of one duplicate surface water sample and one duplicate groundwater sample each quarter from randomly selected sample sites, and
- o preparation and submittal to the laboratory of one spiked surface water sample and one spiked groundwater sample from randomly selected sample sites each quarter.

Additionally, analytical progress was tracked to ensure that analyses were performed and reported in a timely fashion. Results of analyses performed for quality assurance in the data collection programs are provided in Appendix A.

1.4.3 Sample Treatment/Chain of Custody

Samples were chemically preserved and transported in accordance with Environmental Protection Agency (EPA) guidelines. If required, samples were filtered prior to preservation. Groundwater samples from chronically turbid wells were sampled via in-line filter packs.

Chain of custody records were maintained for all samples from time of acquisition through completion of analyses.

REFERENCES

Walker, B. A. and R. E. Saylor. Data Package for the Low-Level Waste Disposal Development and Demonstration Program Environmental Impact Statement. ORNL-TM-10930 (2 vols), Oak Ridge National Laboratory, Oak Ridge, Tennessee, September 1988.

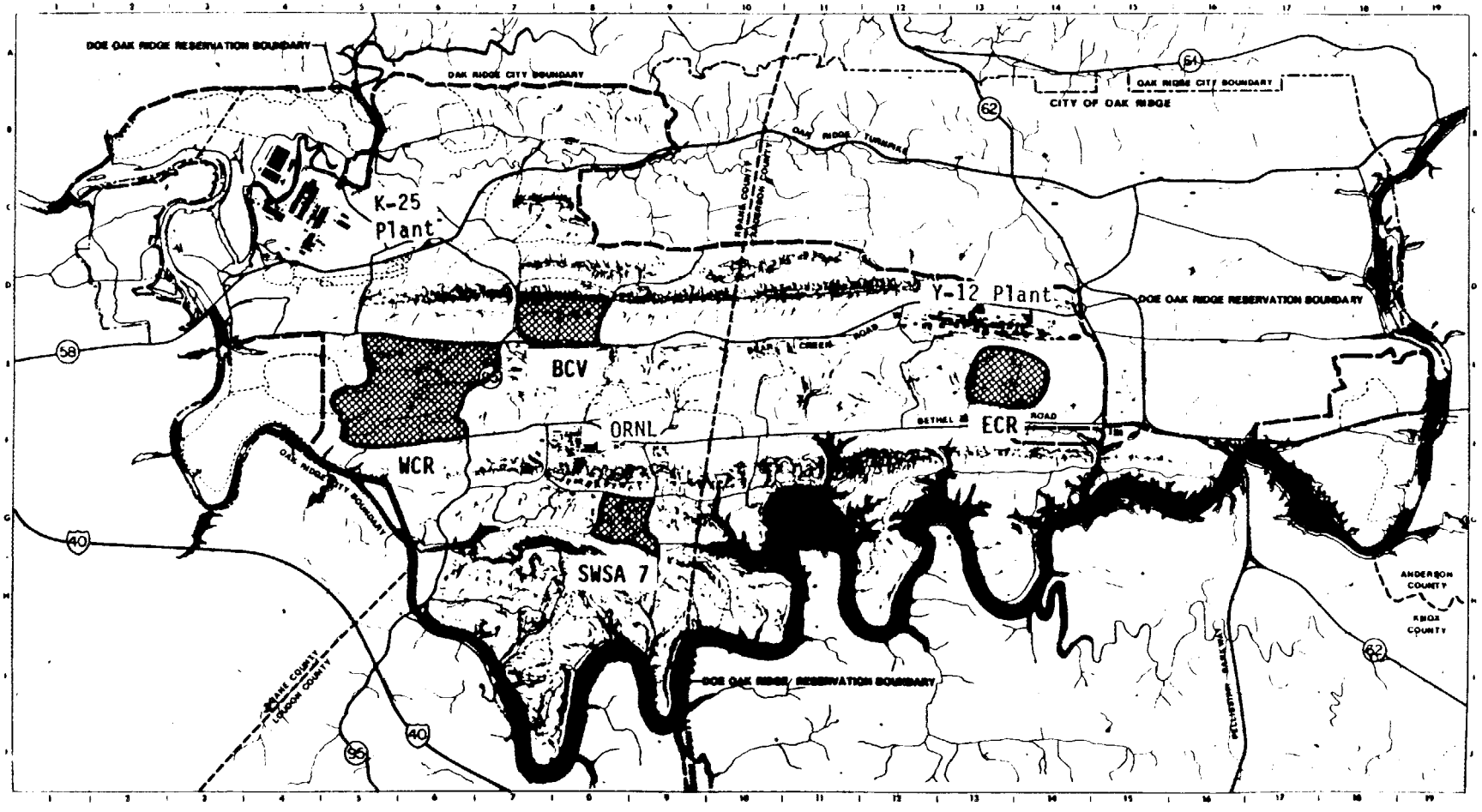


Fig. 1.1. Four areas on the Oak Ridge reservation proposed for low-level waste disposal: Solid Waste Storage Area 7 (SWSA 7), Bear Creek Valley (BCV), West Chestnut Ridge (WCR), and East Chestnut Ridge (ECR)

Table 1.1. Dates for data made available for this data package

Type of data	Dates provided
Water elevations, SWSA 7, Bear Creek, West Chestnut Ridge	May 1988 - September 1989
Water elevations, East Chestnut Ridge	May - September 1989
Precipitation data, SWSA 7, Bear Creek, West Chestnut Ridge	January 1988 - August 1989
Surface water discharge data, SWSA 7, Bear Creek	January 1988 - September 1989
Surface water discharge data, West Chestnut Ridge	April 1988 - September 1989
Surface water discharge data, East Chestnut Ridge	May - September 1989
Water quality chemical analysis and field data, SWSA 7, Bear Creek, and West Chestnut Ridge[a]	FY89
Water quality chemical analysis and field data, East Chestnut Ridge	Quarter 4, FY89

[a]Additional data for FY88 are included in Appendices A and B.

Table 1.2. Data collection responsibilities: LLWDDD program site characteristics

Data type	Responsible organization
Project oversight	ORNL Energy Division
Groundwater elevation (all sites)	Automated Sciences Group (ASG)
Water quality	
Sampling	ORNL Environmental and Health Protection Division
Analysis	ORNL Analytical Chemistry Division
Precipitation data	ORNL Environmental Sciences Division
Surface water discharge data	
SWSA 7	U.S. Geological Survey
Bear Creek	U.S. Geological Survey
West Chestnut Ridge	ORNL Environmental Sciences Division
East Chestnut Ridge	U.S. Geological Survey

Table 1.3. LLWDDD data collection program:
wells and flumes data file entries
(flumes appear at the end of each site's listing)

Well or flume ID	Site designation	Elevation measuring point
gw471	BC Model Validation	865.18
gw473	BC Model Validation	868.93
gw474	BC Model Validation	870.03
gw475a	BC Model Validation	870.20
gw475b	BC Model Validation	870.70
gw475c	BC Model Validation	870.83
gw476a	BC Model Validation	871.86
gw476b	BC Model Validation	872.72
gw476c	BC Model Validation	873.45
gw477a	BC Model Validation	870.13
gw477b	BC Model Validation	870.75
gw477c	BC Model Validation	871.39
gw478a	BC Model Validation	865.20
gw478b	BC Model Validation	865.40
gw478c	BC Model Validation	865.55
gw479	BC Model Validation	873.04
gw480a	BC Model Validation	871.28
gw480b	BC Model Validation	871.93
gw480c	BC Model Validation	871.84
gw481a	BC Model Validation	871.13
gw481b	BC Model Validation	870.50
gw481c	BC Model Validation	870.87
gw482a	BC Model Validation	871.18
gw482b	BC Model Validation	871.46
gw482c	BC Model Validation	871.96
gw483	BC Model Validation	874.28
gw484	BC Model Validation	871.55
gw485	BC Model Validation	864.30
gw486	BC Model Validation	866.32
gw487	BC Model Validation	865.25
gw488	BC Model Validation	866.81
gw489	BC Model Validation	867.27
gw490	BC Model Validation	863.83
gw491	BC Model Validation	864.69
gw492	BC Model Validation	862.85
gw493	BC Model Validation	863.99
gw494	BC Model Validation	863.75
gw495	BC Model Validation	855.08
gw496	BC Model Validation	854.68
gw497	BC Model Validation	854.57
gw498	BC Model Validation	854.48
gw499	BC Model Validation	854.85
gw499a	BC Model Validation	854.69
gw499aa	BC Model Validation	854.24

Table 1.3 (continued)

Well or flume ID	Site designation	Elevation measuring point
gw499ab	BC Model Validation	853.78
gw499ac	BC Model Validation	843.88
gw499ad	BC Model Validation	844.89
gw499ae	BC Model Validation	844.15
gw499af	BC Model Validation	843.85
gw499b	BC Model Validation	855.50
gw499c	BC Model Validation	855.98
gw499d	BC Model Validation	855.93
gw499e	BC Model Validation	855.47
gw499f	BC Model Validation	853.44
gw499g	BC Model Validation	859.76
gw499h	BC Model Validation	859.77
gw499i	BC Model Validation	859.75
gw499j	BC Model Validation	859.60
gw499k	BC Model Validation	862.32
gw499l	BC Model Validation	862.26
gw499m	BC Model Validation	862.35
gw499n	BC Model Validation	862.27
gw499o	BC Model Validation	862.63
gw499p	BC Model Validation	860.87
gw499q	BC Model Validation	857.86
gw499r	BC Model Validation	859.55
gw499s	BC Model Validation	873.73
gw499t	BC Model Validation	879.62
gw499u	BC Model Validation	868.26
gw499v	BC Model Validation	871.14
gw499w	BC Model Validation	853.62
gw499x	BC Model Validation	873.86
gw499y	BC Model Validation	863.55
gw499z	BC Model Validation	868.24
gw136	Bear Creek	856.33
gw400	Bear Creek	844.59
gw401	Bear Creek	837.64
gw402	Bear Creek	811.40
gw405	Bear Creek	815.51
gw406	Bear Creek	815.94
gw407	Bear Creek	834.22
gw408	Bear Creek	834.50
gw409	Bear Creek	877.74
gw410	Bear Creek	877.75
gw411	Bear Creek	864.25
gw412	Bear Creek	864.05
gw413	Bear Creek	893.15
gw414	Bear Creek	893.53
gw415	Bear Creek	896.59
gw416	Bear Creek	896.66
gw417	Bear Creek	869.16
gw418	Bear Creek	868.69

Table 1.3 (continued)

Well or flume ID	Site designation	Elevation measuring point
gw419	Bear Creek	836.29
gw420	Bear Creek	837.11
gw421	Bear Creek	809.77
gw422	Bear Creek	809.09
gw423	Bear Creek	816.39
gw424	Bear Creek	816.28
gw425	Bear Creek	842.98
gw426	Bear Creek	843.22
gw427	Bear Creek	817.79
gw428	Bear Creek	817.84
gw429	Bear Creek	837.16
gw430	Bear Creek	836.87
gw431	Bear Creek	864.86
gw432	Bear Creek	864.43
gw433	Bear Creek	870.76
gw434	Bear Creek	871.43
gw435	Bear Creek	904.25
gw436	Bear Creek	904.03
gw437	Bear Creek	892.99
gw438	Bear Creek	893.25
gw439	Bear Creek	870.05
gw440	Bear Creek	870.13
gw441	Bear Creek	838.09
gw442	Bear Creek	839.29
gw443	Bear Creek	829.37
gw445	Bear Creek	846.53
gw447	Bear Creek	874.25
gw448	Bear Creek	873.86
gw449	Bear Creek	935.82
gw450	Bear Creek	935.47
gw451	Bear Creek	931.46
gw452	Bear Creek	874.79
gw460	Bear Creek	842.15
gw461	Bear Creek	842.55
gw462	Bear Creek	843.32
gw467	Bear Creek	818.97
gw469	Bear Creek	835.32
gw470	Bear Creek	811.81
gw472	Bear Creek	859.25
llhaz13	Bear Creek	918.61
llhaz14	Bear Creek	934.95
llhaz15	Bear Creek	879.09
fl-272	Bear Creek (weir)	0.00
fl-273	Bear Creek (weir)	0.00
fl-672	Bear Creek (weir)	0.00
fl-673	Bear Creek (weir)	0.00
fl-677	Bear Creek (weir)	0.00
gw1130	East Chestnut Ridge	949.89

Table 1.3 (continued)

Well or flume ID	Site designation	Elevation measuring point
gw1131	East Chestnut Ridge	972.31
gw1132	East Chestnut Ridge	986.85
gw1133	East Chestnut Ridge	1062.34
gw1134	East Chestnut Ridge	1095.20
gw551	East Chestnut Ridge	994.20
gw552	East Chestnut Ridge	972.26
gw553	East Chestnut Ridge	1049.09
gw554	East Chestnut Ridge	911.29
gw555	East Chestnut Ridge	937.43
gw556	East Chestnut Ridge	986.46
gw557	East Chestnut Ridge	1081.16
gw558	East Chestnut Ridge	983.97
gw559	East Chestnut Ridge	1102.79
gw560	East Chestnut Ridge	938.92
gw561	East Chestnut Ridge	1033.35
gw562	East Chestnut Ridge	934.49
gw563	East Chestnut Ridge	909.93
gw564	East Chestnut Ridge	937.77
gw565	East Chestnut Ridge	985.29
gw566	East Chestnut Ridge	1047.97
gw567	East Chestnut Ridge	971.07
gw569	East Chestnut Ridge	1047.57
gw570	East Chestnut Ridge	1051.46
gw571	East Chestnut Ridge	1063.11
gw572	East Chestnut Ridge	1076.80
gw573d	East Chestnut Ridge	985.07
gw573s	East Chestnut Ridge	982.57
gw576	East Chestnut Ridge	938.93
gw580	East Chestnut Ridge	1036.16
fl-102	East Chestnut Ridge (weir)	0.00
fl-103	East Chestnut Ridge (weir)	0.00
100	SWSA-7	864.60
101	SWSA-7	886.13
102	SWSA-7	887.94
103	SWSA-7	868.07
1113	SWSA-7	847.95
1114	SWSA-7	822.70
1115	SWSA-7	824.17
1117	SWSA-7	831.86
1118	SWSA-7	843.89
1119	SWSA-7	844.42
1120	SWSA-7	843.44
1121	SWSA-7	834.66
1122	SWSA-7	835.28
1123	SWSA-7	861.92
1124	SWSA-7	862.18
1125	SWSA-7	854.64
1126	SWSA-7	854.59

Table 1.3 (continued)

Well or flume ID	Site designation	Elevation measuring point
1127	SWSA-7	863.10
1128	SWSA-7	864.08
1129	SWSA-7	865.37
7-1	SWSA-7	926.39
7-10	SWSA-7	899.73
7-11	SWSA-7	882.61
7-12	SWSA-7	896.54
7-13	SWSA-7	800.05
7-14	SWSA-7	900.11
7-15	SWSA-7	903.87
7-16	SWSA-7	911.56
7-17	SWSA-7	905.89
7-18	SWSA-7	900.73
7-2	SWSA-7	900.89
7-3	SWSA-7	904.78
7-4	SWSA-7	909.91
7-5	SWSA-7	867.80
7-6	SWSA-7	845.80
7-7	SWSA-7	810.15
7-8	SWSA-7	798.80
7-9	SWSA-7	845.36
fl-cent	SWSA-7 (weir)	0.00
fl-east	SWSA-7 (weir)	0.00
fl-usgs	SWSA-7 (weir)	0.00
fl-west	SWSA-7 (weir)	0.00
10a	West Chestnut Ridge	945.48
10b	West Chestnut Ridge	939.78
11a	West Chestnut Ridge	1058.11
11b	West Chestnut Ridge	1058.67
12a	West Chestnut Ridge	988.67
13a	West Chestnut Ridge	991.35
13b	West Chestnut Ridge	991.59
14a	West Chestnut Ridge	998.16
14b	West Chestnut Ridge	995.66
15a	West Chestnut Ridge	951.77
15b	West Chestnut Ridge	951.22
16a	West Chestnut Ridge	1007.66
16b	West Chestnut Ridge	1007.83
18a	West Chestnut Ridge	818.45
18b	West Chestnut Ridge	819.54
19a	West Chestnut Ridge	1054.95
19b	West Chestnut Ridge	1053.88
1a	West Chestnut Ridge	857.07
1b	West Chestnut Ridge	859.37
20a	West Chestnut Ridge	909.90
20b	West Chestnut Ridge	913.08
2a	West Chestnut Ridge	784.21
2b	West Chestnut Ridge	786.79

Table 1.3 (continued)

Well or flume ID	Site designation	Elevation measuring point
3a	West Chestnut Ridge	892.01
3b	West Chestnut Ridge	891.42
4a	West Chestnut Ridge	818.80
4b	West Chestnut Ridge	815.93
5a	West Chestnut Ridge	926.96
5b	West Chestnut Ridge	928.84
6a	West Chestnut Ridge	836.64
6b	West Chestnut Ridge	835.98
7a	West Chestnut Ridge	964.97
7b	West Chestnut Ridge	964.29
8a	West Chestnut Ridge	968.06
8b	West Chestnut Ridge	967.46
9a	West Chestnut Ridge	1060.89
9b	West Chestnut Ridge	1061.23
cl-1a	West Chestnut Ridge	1059.88
cl-1b	West Chestnut Ridge	1059.77
cl-1c	West Chestnut Ridge	1059.81
cl-1d	West Chestnut Ridge	1059.89
cl-2a	West Chestnut Ridge	1049.99
cl-2b	West Chestnut Ridge	1049.83
cl-2c	West Chestnut Ridge	1050.02
cl-2d	West Chestnut Ridge	1049.97
cl-3a	West Chestnut Ridge	1020.58
cl-3b	West Chestnut Ridge	1020.78
cl-3c	West Chestnut Ridge	1020.81
cl-3d	West Chestnut Ridge	1020.44
cl-4a	West Chestnut Ridge	1001.57
cl-4b	West Chestnut Ridge	1001.32
cl-4c	West Chestnut Ridge	1001.52
cl-4d	West Chestnut Ridge	1001.53
cl-5a	West Chestnut Ridge	983.51
cl-5b	West Chestnut Ridge	983.20
cl-5c	West Chestnut Ridge	983.36
cl-5d	West Chestnut Ridge	983.49
pw-6	West Chestnut Ridge	838.22
wcr-2	West Chestnut Ridge	1022.51
wcr-5	West Chestnut Ridge	845.04
fl-1	West Chestnut Ridge (weir)	0.00
fl-3	West Chestnut Ridge (weir)	0.00
fl-4	West Chestnut Ridge (weir)	0.00
fl-7	West Chestnut Ridge (weir)	0.00
fl-8	West Chestnut Ridge (weir)	0.00

Table 1.4. Precipitation data collection stations

Station ID	Site: location description
bur	Bear Creek: burial ground
sw7	SWSA 7: Center 7 Creek watershed
ish	West Chestnut Ridge: Ish Creek

Table 1.5. Surface water discharge stations

Alias or ID	USGS site ID	Site: location description
EAST	03537050	SWSA 7 (GS16): Melton Branch Trib near Oak Ridge
USGS	03537100	SWSA 7 (GS2): Upper Melton Branch near Melton Hill
CENT	03537200	SWSA 7 (GS17): Melton Branch Trib near Oak Ridge
WEST	03537300	SWSA 7 (GS18): Melton Branch Trib near Oak Ridge
GS10	035382672	Bear Creek: Trib at Bear Creek Rd near Wheat
GS9	035382673	Bear Creek: Near Wheat
GS11	035382677	Bear Creek: Trib near Wheat
GS7	03538270	Bear Creek: At State Hwy 95
GS12	03538272	Bear Creek: Trib at State Hwy 95 near Wheat
GS8	03538273	Bear Creek: At Pine Ridge near Wheat
cwdf1		West Chestnut Ridge: Central Waste Disposal Fac.
cwdf3		West Chestnut Ridge: Central Waste Disposal Fac.
cwdf4		West Chestnut Ridge: Central Waste Disposal Fac.
cwdf7		West Chestnut Ridge: Central Waste Disposal Fac.
cwdf8		West Chestnut Ridge: Central Waste Disposal Fac.
GS19	03535102	East Chestnut Ridge: Scarboro Creek--upstream
GS20	03535103	East Chestnut Ridge: Scarboro Creek--downstream

2. SOLID WASTE STORAGE AREA 7

The LLWDDD SWSA 7 site is located south of the ORNL main facilities (Fig. 1.1). The site consists of about 200 acres of gently sloping to steep land. The wells and surface water flumes included in the data collection for the SWSA 7 site are listed in Table 1.3. The sites for measuring precipitation and surface water discharge volumes are given in Tables 1.4 and 1.5.

2.1 GROUNDWATER

2.1.1 Water Table Elevations

Because the data package published at the end of FY88 did not include water-elevation data for May-September, these data are provided in Table 2.1. Statistical data, including maximum, minimum, and average values and the observed fluctuation range, are included in Table 2.2. Graphic displays of 1988 data for selected wells are presented in Fig. 2.1.

The depth to water for the SWSA 7 wells (see Table 1.3) has been measured on 15 dates in FY89. Elevations of water in the wells on each of these dates are presented in Tables 2.3 and 2.4. The maximum, minimum, and average water elevations and the fluctuation range for each well for FY89 are presented in Table 2.5. Graphic displays of 1989 data for selected wells are presented in Fig. 2.3.

2.1.2 Groundwater Quality

Groundwater from selected wells at SWSA 7 is sampled and analyzed for water quality parameters once per quarter (see Sect. 1.4). This report contains field sampling data

and chemical analysis data obtained during all four quarters of FY89. Field parameters obtained during the sampling process are given in Table 2.6. Data from the chemical analysis of the samples are given in Table 2.7.

2.2 SURFACE WATER

2.2.1 Precipitation

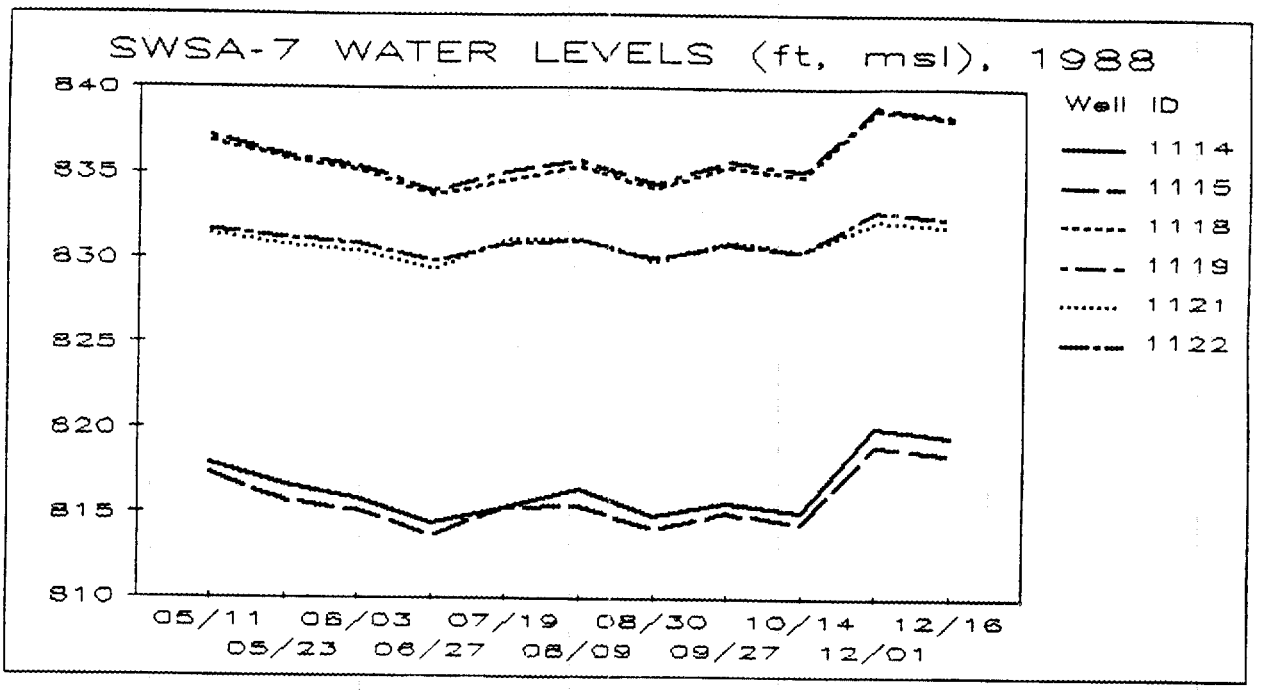
Precipitation data for the rain gauge in the Center 7 Creek watershed for calendar year 1988 are presented in Table 2.8 and Fig. 2.2. Precipitation data for January-August of calendar year 1989 are shown in Table 2.9 and Fig. 2.4.

2.2.2 Surface Water Discharge

Surface water discharge data for four collection points on the SWSA 7 site for calendar year 1988 are included in Table 2.10; Fig. 2.2 shows the discharge at the SW7 collection station. Data for the same four collection points during January-September of calendar year 1989 are shown in Table 2.11. The 1989 surface water discharge values for the SW7 station are shown in Fig. 2.4.

2.2.3 Surface Water Quality

As with the groundwater quality data collection effort, samples are collected once per quarter. The field data collected during the fourth quarter of FY88 and all four quarters of FY89 are given in Table 2.12. The chemical parameters for the same time period are reported in Table 2.13.



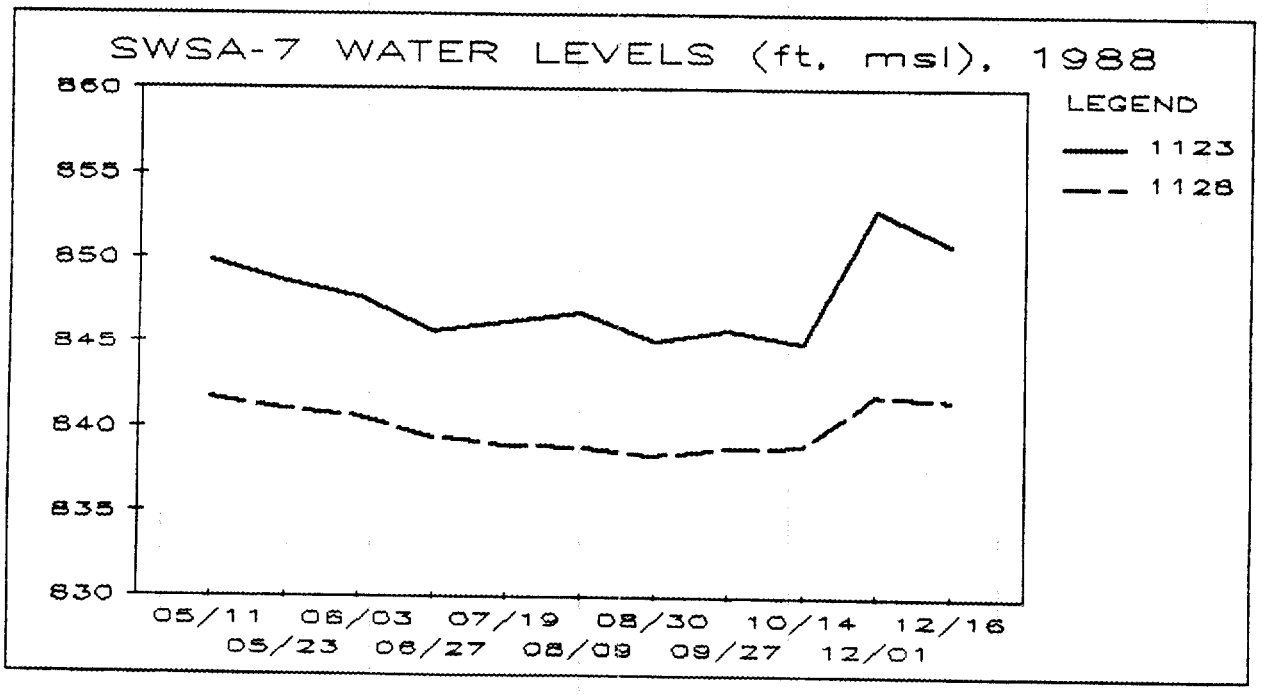
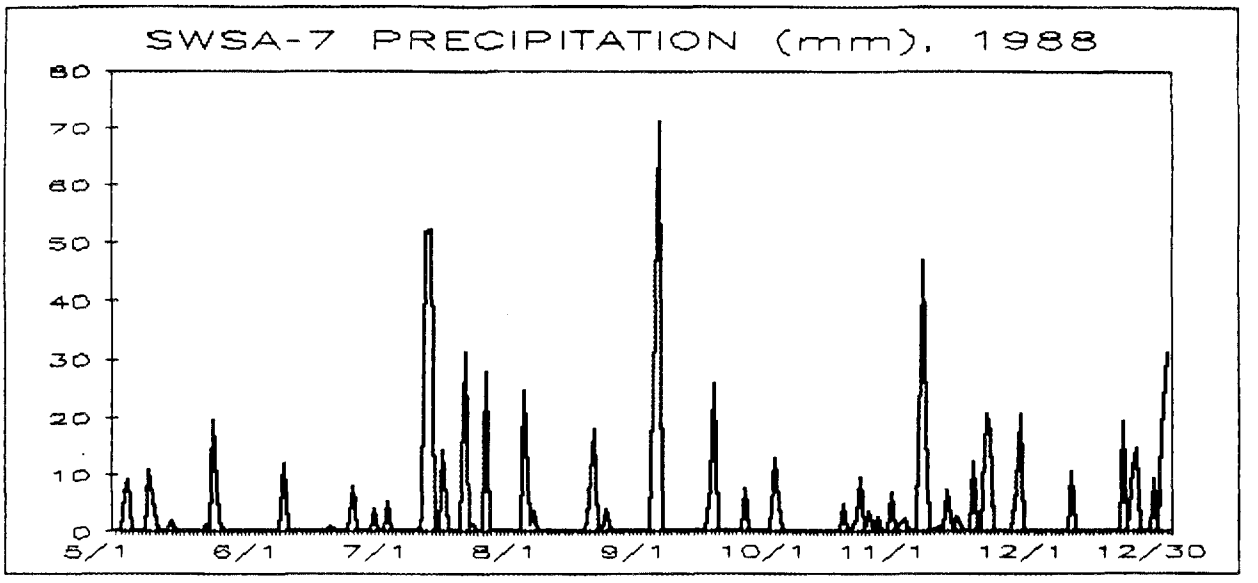


Fig. 2.1. Water elevations (feet above sea level) in selected wells for the SWSA 7 site, 1988 calendar year.



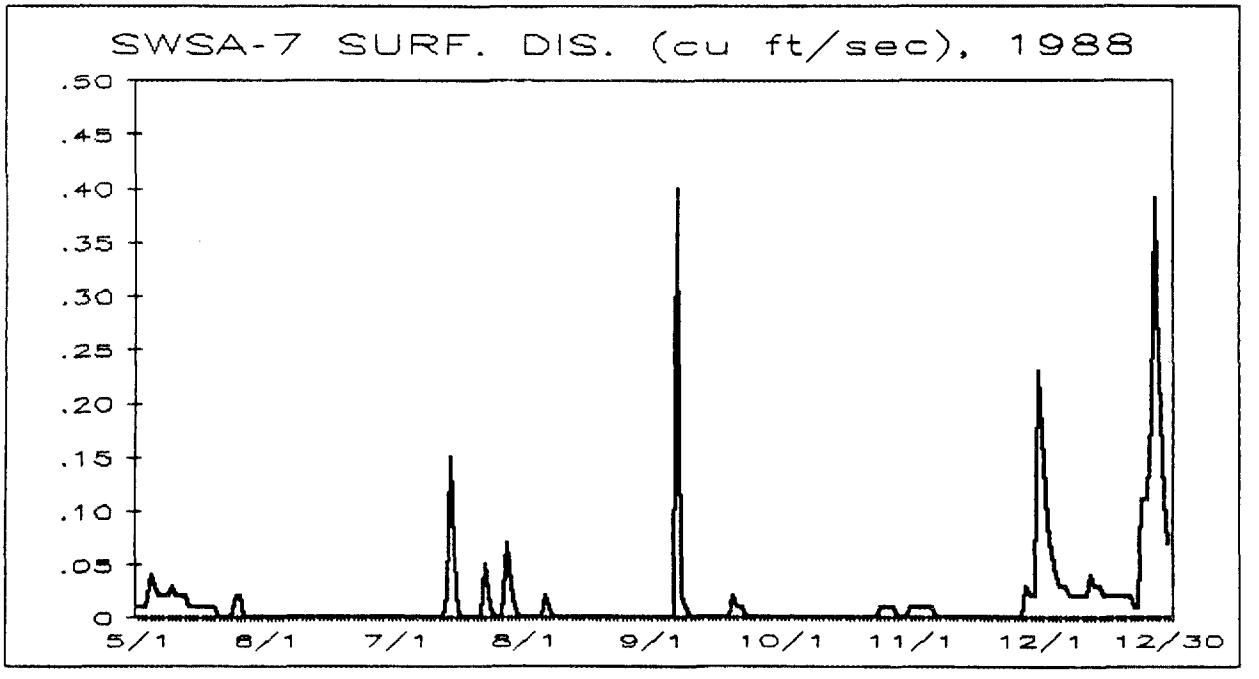
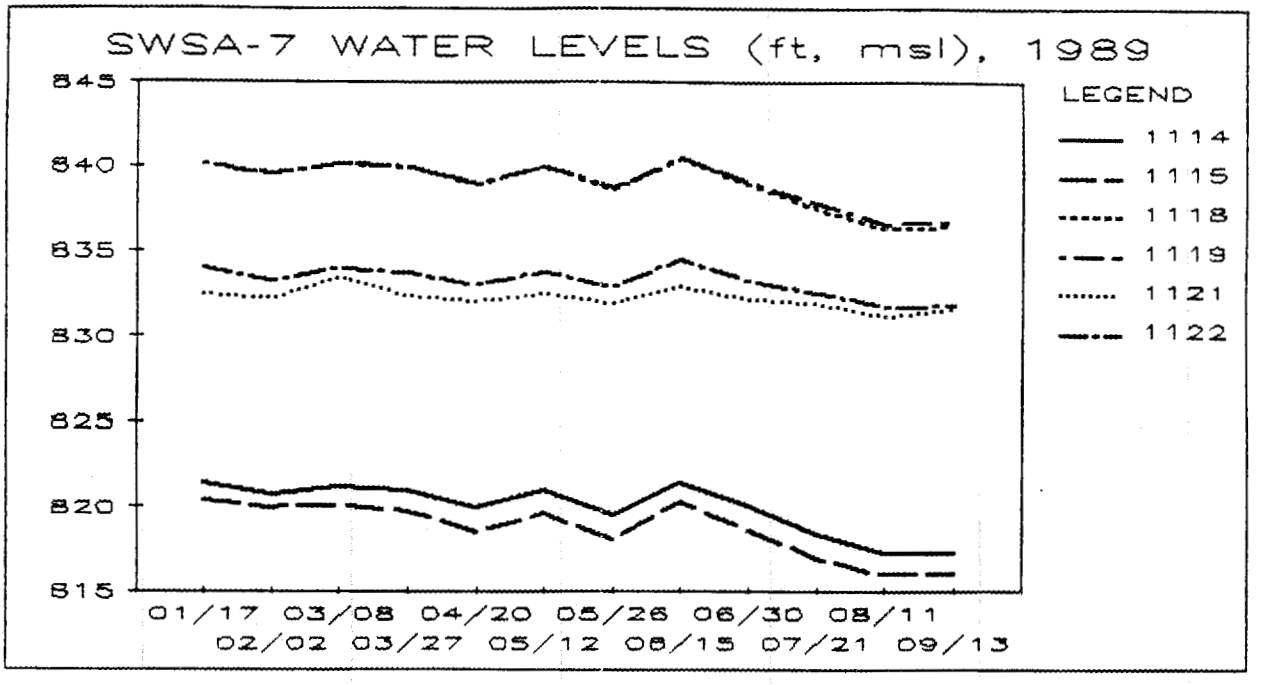


Fig. 2.2. A comparison of precipitation (mm) at the SW7 collection station and surface water discharge (cu ft/sec) at the CENT discharge station for the SWSA 7 site, 1988 calendar year.



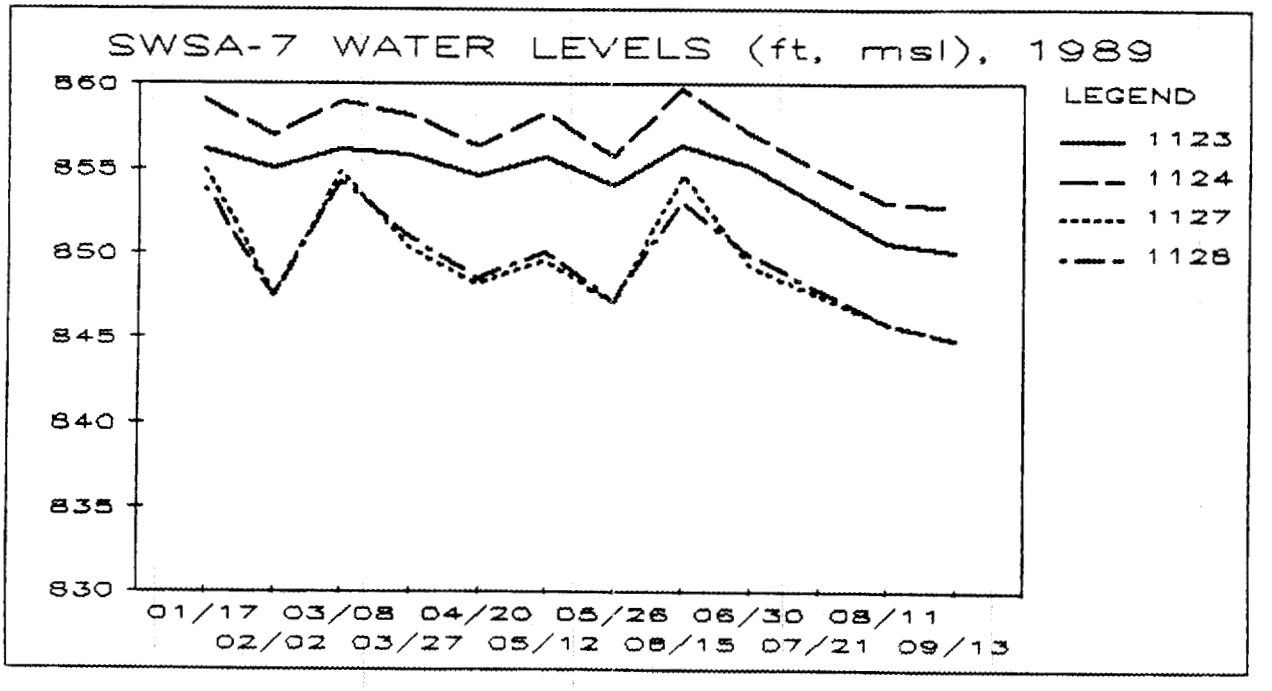
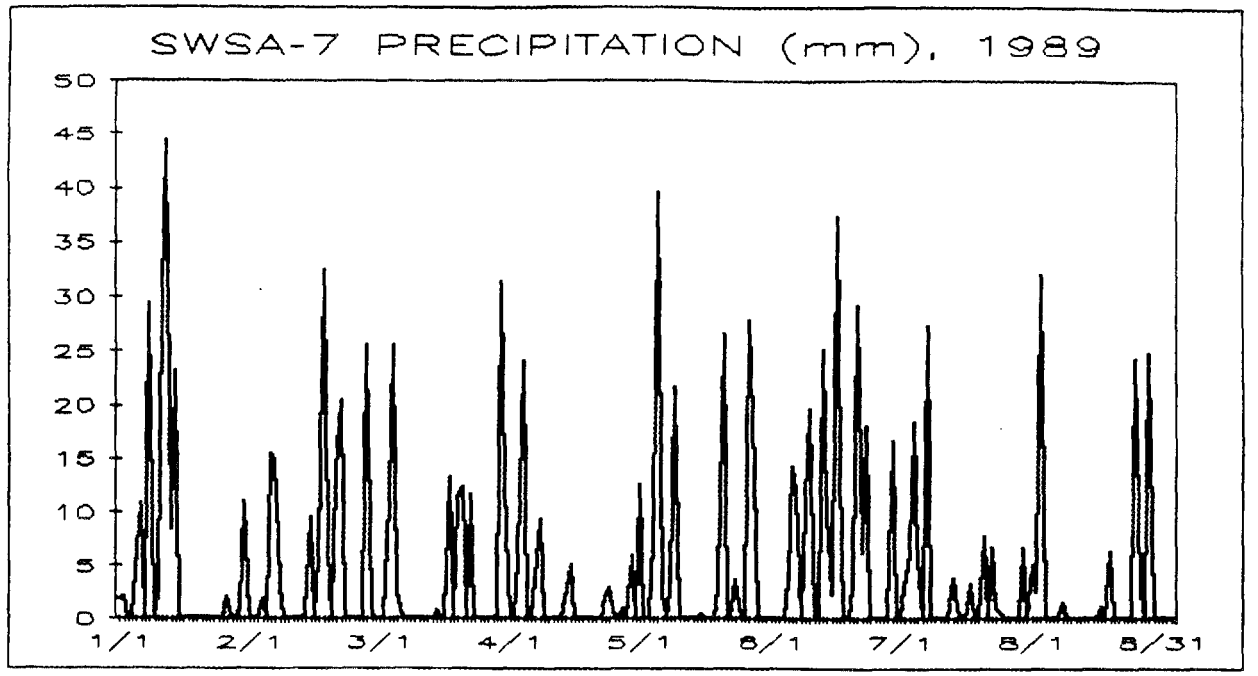


Fig. 2.3. Water elevations (feet above sea level) in selected wells for the SWSA 7 site, 1989 calendar year.



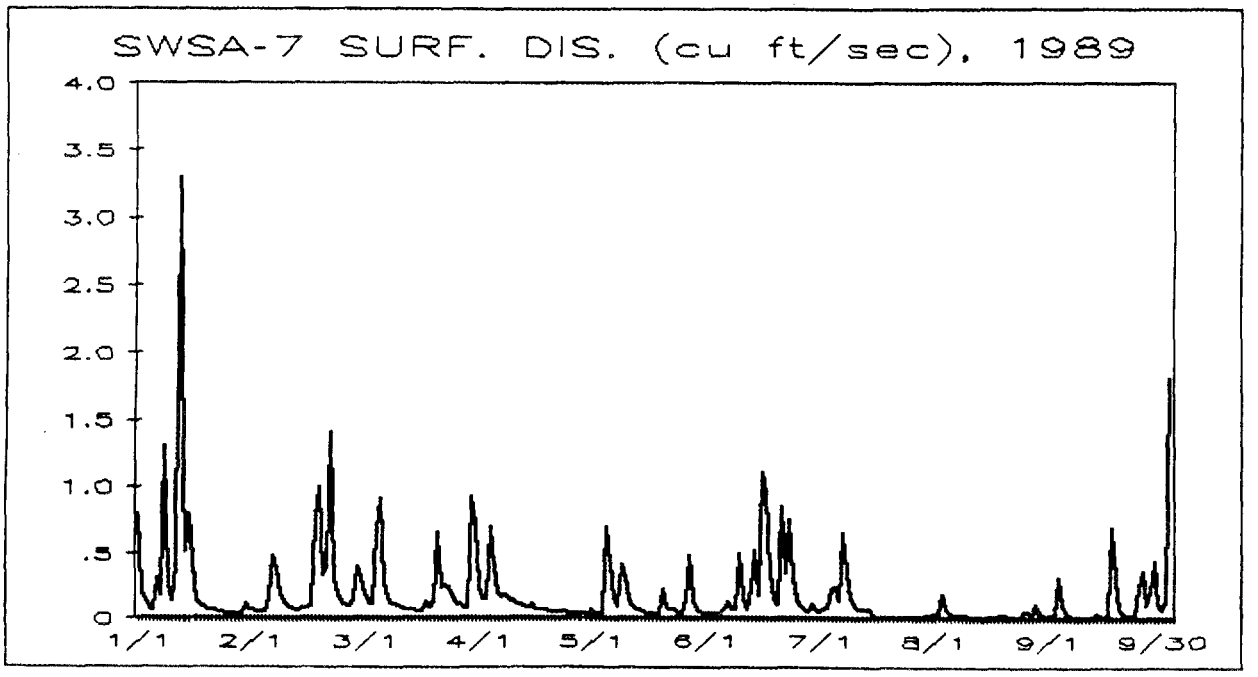


Fig. 2.4. A comparison of precipitation (mm) at the SW7 collection station and surface water discharge (cu ft/sec) at the CENT discharge station for the SWSA 7 site, 1989 calendar year.

Table 2.1. Water elevation in wells for SWSA 7 site
May - September 1988*
(feet above sea level)

Well ID	May 11 1988	May 23 1988	Jun 3 1988	Jun 27 1988	Jul 19 1988	Aug 9 1988	Aug 30 1988	Sep 27 1988
1113	842.24	841.83	841.60	840.92	841.76	841.78	841.07	841.50
1114	817.82	816.59	815.83	814.33	815.32	816.34	814.82	815.57
1115	817.25	815.68	815.11	813.65	815.23	815.43	814.07	815.00
1117	826.18	825.22	824.67	823.37	824.64	824.97	823.64	824.58
1118	836.80	835.77	835.05	833.59	834.45	835.27	833.99	835.30
1119	837.09	835.95	835.33	833.84	834.93	835.61	834.31	835.59
1120	835.78	834.93	0.00	0.00	0.00	835.08	0.00	0.00
1121	831.34	830.66	830.31	829.24	830.99	831.05	829.76	830.94
1122	831.63	831.11	830.76	829.73	830.73	830.93	829.96	830.75
1123	849.78	848.53	847.67	845.57	846.21	846.73	845.03	845.78
1124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1125	842.06	841.38	841.03	839.88	840.01	839.93	839.12	839.61
1126	840.33	839.79	839.40	838.34	839.27	838.15	837.46	837.92
1127	843.65	842.89	842.49	0.00	0.00	0.00	0.00	0.00
1128	841.70	841.04	840.56	839.37	838.91	838.75	838.29	838.74
1129	840.78	840.28	840.05	839.12	839.28	839.35	839.32	840.56

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 2.2. Statistical water-elevation data by well ID
for SWSA 7 site, May - September 1988
(feet mean sea level)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
1113	842.24	840.92	1.32	841.59
1114	816.59	814.33	2.26	815.83
1115	815.68	813.65	2.03	815.18
1117	825.22	823.37	1.85	824.66
1118	835.77	833.59	2.18	835.03
1119	835.95	833.84	2.11	835.33
1120	835.08	834.93	0.15	835.26
1121	831.05	829.24	1.81	830.54
1122	831.11	829.73	1.38	830.70
1123	848.53	845.03	3.50	846.91
1124	0.00	0.00	0.00	0.00
1125	841.38	839.12	2.26	840.38
1126	839.79	837.46	2.33	838.83
1127	842.89	842.49	0.40	843.01
1128	841.04	838.29	2.75	839.67
1129	840.56	839.12	1.44	839.84

*Comments: If the water elevation is listed as zero (0.00), then no data were collected during any sample collections.

Table 2.3. Water elevation in wells for SWSA-7 site, FY89*
(quarters 1 and 2)
(feet above sea level)

Well ID	Oct 14 1988	Dec 1 1988	Dec 16 1988	Jan 17 1989	Feb 2 1989	Mar 8 1989	Mar 27 1989
100	0.00	845.75	844.34	849.14	845.63	847.36	846.22
101	0.00	849.29	847.64	852.34	850.15	852.20	851.33
102	0.00	851.64	851.05	856.60	854.03	856.15	854.87
103	0.00	844.14	842.35	845.95	843.02	845.12	844.34
1113	841.18	843.30	842.39	845.49	843.82	845.76	844.98
1114	815.02	820.00	819.40	821.36	820.66	821.21	820.99
1115	814.38	818.91	818.42	820.37	819.96	820.09	819.72
1117	823.97	828.28	827.37	829.29	828.03	829.08	828.51
1118	834.75	838.70	838.11	840.05	839.46	840.08	839.88
1119	835.02	838.84	838.26	840.06	839.46	840.08	839.85
1120	0.00	837.64	831.35	839.37	838.29	839.58	839.09
1121	830.33	832.11	831.78	832.40	832.15	833.40	832.27
1122	830.30	832.69	832.21	833.96	833.16	833.93	833.61
1123	844.96	852.80	850.81	856.04	854.99	856.10	855.76
1124	0.00	855.23	852.09	858.98	856.90	858.91	858.13
1125	839.16	842.61	841.60	850.12	845.62	849.91	847.44
1126	837.73	840.91	840.19	848.98	843.99	848.92	846.20
1127	0.00	844.44	843.01	854.88	847.44	854.75	850.20
1128	838.81	841.86	841.61	853.77	847.37	854.18	850.88
1129	840.53	842.59	842.53	847.58	845.72	849.16	848.06
7-1	0.00	864.19	864.80	869.73	871.47	875.87	875.89
7-10	0.00	823.19	823.62	826.86	828.70	832.13	832.41
7-11	0.00	825.60	825.88	830.72	831.00	833.90	833.46
7-12	0.00	850.60	865.08	867.56	868.62	831.57	870.99
7-13	0.00	795.95	795.60	796.07	795.65	796.36	796.06
7-14	0.00	854.37	854.57	860.08	859.48	862.66	862.45
7-15	0.00	861.52	861.33	862.58	863.93	866.37	867.38
7-16	0.00	865.05	863.75	865.71	867.44	864.74	871.29
7-17	0.00	858.10	858.81	869.19	866.31	869.79	868.33
7-18	0.00	853.16	853.14	864.81	861.49	865.49	864.35
7-2	0.00	867.00	867.10	869.94	869.51	870.83	870.85
7-3	0.00	845.63	845.72	854.55	849.21	853.89	851.63
7-4	0.00	841.94	861.91	870.41	867.64	831.20	868.16
7-5	0.00	831.26	831.78	833.64	833.89	823.82	835.99
7-6	0.00	816.46	816.61	824.52	821.18	828.09	825.59
7-7	0.00	805.22	804.99	806.04	805.43	805.43	805.79
7-8	0.00	795.31	793.96	797.51	796.23	797.37	796.83
7-9	0.00	814.96	814.97	817.15	816.71	818.62	819.65

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 2.4. Water elevation in wells
for SWSA 7 site, FY89* (quarters 3 and 4)
(feet above sea level)

Well ID	Apr 20 1989	May 12 1989	May 26 1989	Jun 15 1989	Jun 30 1989	Jul 21 1989	Aug 11 1989	Sep 13 1989
100	845.50	845.67	845.01	847.55	839.53	845.33	844.03	843.50
101	850.84	850.04	849.47	850.85	852.54	850.86	848.44	847.11
102	854.72	853.05	852.63	854.16	856.51	854.76	852.01	850.49
103	842.62	844.04	842.41	845.93	850.09	842.53	841.06	840.93
1113	843.83	844.97	843.44	846.72	844.32	843.45	842.59	841.55
1114	819.94	820.99	819.52	821.44	820.04	818.38	817.20	817.20
1115	818.50	819.53	817.97	820.22	818.62	816.91	815.93	816.01
1117	827.48	828.60	827.23	829.56	827.63	826.68	825.56	825.57
1118	838.80	839.89	838.49	840.38	838.83	837.39	836.20	836.33
1119	838.88	839.88	838.62	840.42	838.95	837.67	836.51	836.63
1120	837.90	839.50	838.04	840.58	838.56	837.24	835.84	835.74
1121	831.98	832.40	831.85	832.82	832.14	831.78	831.05	831.52
1122	832.95	833.70	832.82	834.46	833.16	832.45	831.63	831.72
1123	854.46	855.62	853.96	856.26	855.10	852.79	850.57	849.97
1124	856.26	858.20	855.67	859.63	857.03	854.86	852.92	852.68
1125	845.83	847.19	844.97	849.89	846.56	844.92	843.41	842.86
1126	844.51	845.83	843.62	848.28	845.31	843.85	842.43	841.89
1127	848.15	849.50	847.04	854.57	849.17	847.45	845.83	844.79
1128	848.47	849.95	847.13	852.96	849.81	847.80	845.80	844.79
1129	847.27	847.34	846.08	848.47	848.27	846.81	845.24	844.37
7-1	876.84	875.09	875.07	874.69	877.25	876.22	874.12	871.64
7-10	833.51	832.17	831.70	831.80	833.14	832.21	830.86	829.25
7-11	833.85	832.40	831.84	832.09	834.27	832.45	830.40	828.65
7-12	872.31	872.03	872.09	871.83	873.31	873.63	872.50	870.77
7-13	795.69	796.02	795.53	796.76	795.75	795.36	794.92	795.26
7-14	862.20	862.06	861.20	861.52	857.28	861.40	860.19	859.12
7-15	868.94	869.05	868.27	869.18	870.09	870.47	869.61	868.46
7-16	872.51	872.45	872.49	872.26	873.39	873.46	872.62	871.26
7-17	867.38	867.36	865.90	867.46	868.41	866.88	865.25	864.00
7-18	862.77	863.75	861.33	863.08	863.75	861.90	859.49	857.40
7-2	871.16	870.99	870.59	871.29	871.43	871.28	870.02	868.89
7-3	849.96	850.61	849.43	849.72	851.52	849.54	848.39	852.40
7-4	867.60	867.67	866.80	868.60	868.23	867.52	866.20	864.38
7-5	836.47	836.18	835.88	836.03	837.13	837.03	826.28	835.53
7-6	825.50	825.05	823.18	839.70	825.69	824.24	822.39	820.77
7-7	805.51	805.87	805.26	806.72	805.47	805.25	804.83	804.95
7-8	795.19	796.77	794.61	797.06	795.07	793.52	791.95	791.82
7-9	821.88	822.69	822.52	822.91	824.03	823.96	822.71	811.08

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 2.5. Statistical water-elevation data
by well ID for SWSA 7 Site
October 1988 - September 1989*
(feet mean sea level)

Well ID	Maximum	Minimum	Fluctuation (feet)**	Average
100	849.14	839.53	9.61	845.33
101	852.54	847.11	5.43	850.22
102	856.51	850.49	6.02	853.76
103	850.09	840.93	9.16	843.90
1113	846.72	841.18	5.54	843.85
1114	821.44	815.02	6.42	819.56
1115	820.22	814.38	5.84	818.37
1117	829.56	823.97	5.59	827.52
1118	840.38	834.75	5.63	838.49
1119	840.42	835.02	5.40	838.61
1120	840.58	831.35	9.23	837.77
1121	833.40	830.33	3.07	832.00
1122	834.46	830.30	4.16	832.85
1123	856.26	844.96	11.30	853.35
1124	859.63	852.09	7.54	856.25
1125	849.91	839.16	10.75	845.47
1126	848.92	837.73	11.19	844.18
1127	854.75	843.01	11.74	848.66
1128	854.18	838.81	15.37	847.68
1129	849.16	840.53	8.63	846.00
7-1	877.25	864.19	13.06	873.06
7-10	833.51	823.19	10.32	830.11
7-11	834.27	825.60	8.67	831.18
7-12	873.63	831.57	42.06	866.64
7-13	796.76	794.92	1.84	795.78
7-14	862.66	854.37	8.29	859.90
7-15	870.47	861.33	9.14	866.94
7-16	873.46	863.75	9.71	869.89
7-17	869.79	858.10	11.69	865.94
7-18	865.49	853.14	12.35	861.14
7-2	871.43	867.00	4.43	870.06
7-3	853.89	845.63	8.26	850.16
7-4	868.60	831.20	37.40	862.73
7-5	837.13	823.82	13.31	833.64
7-6	839.70	816.46	23.24	824.21
7-7	806.72	804.83	1.89	805.48
7-8	797.37	791.82	5.55	795.23
7-9	824.03	811.08	12.95	819.56

*Compiled from data collected on 15 different dates during this period.

**The extreme fluctuations observed for Wells 7-12 and 7-4 may be due to measurements being obtained while wells were incompletely recovered from purging for water sampling.

Table 2.6. Groundwater quality field data: SWSA 7 selected sampling sites, FY89, quarters 1-4

Well ID	Date	Cond.	D.O.	pH	Temp.	Turb.
1117	03-17-89	0.42	3.50	6.90	9.80	51.00
1117	06-07-89	0.38	0.20	7.10	14.50	47.00
1117	08-29-89	0.59	4.10	7.20	13.90	18.00
1117	12-02-88	0.58	2.00	7.00	13.50	18.00
1126	03-17-89	0.15	4.00	8.00	12.50	55.00
1126	06-06-89	0.22	2.10	7.50	15.10	20.00
1126	08-29-89	0.29	4.60	7.40	14.20	18.00
1126	12-08-88	0.27	2.00	7.30	14.20	17.00
7-12	03-09-89	2.05	4.20	6.30	15.70	151.00
7-12	06-02-89	2.67	4.00	6.80	16.30	16.00
7-12	08-29-89	2.75	2.50	7.00	15.50	217.00
7-12	12-02-88	2.43	4.20	7.00	14.20	19.00
7-13	03-10-89	0.19	4.50	7.80	10.20	46.00
7-13	06-02-89	0.24	3.20	7.50	14.30	95.00
7-13	08-29-89	0.35	4.50	8.10	15.60	10.00
7-13	12-02-88	0.32	8.70	8.00	11.90	18.00
7-16	03-09-89	0.78	4.30	6.80	14.50	239.00
7-16	06-02-89	1.01	4.20	7.10	17.00	18.00
7-16	08-29-89	1.14	4.50	7.50	15.50	2.00
7-16	12-02-88	0.98	4.30	7.80	13.10	15.00
7-4	03-09-89	0.45	4.20	7.10	15.10	39.00
7-4	06-01-89	0.45	1.70	7.00	16.90	1.00
7-4	08-29-89	0.51	7.00	7.80	18.10	17.00
7-4	12-05-88	0.47	6.00	7.40	13.20	15.00
7-5	03-10-89	0.28	4.60	6.90	13.90	44.00
7-5	06-01-89	0.39	3.60	7.60	16.90	18.00
7-5	08-29-89	0.44	2.50	7.80	17.30	35.00
7-5	12-05-88	0.37	13.00	7.50	13.10	16.00
7-7	03-10-89	0.34	3.50	8.10	11.40	37.00
7-7	06-01-89	0.48	5.20	8.00	15.70	19.00
7-7	08-29-89	0.52	5.70	8.60	18.10	36.00
7-7	12-02-88	0.42	7.60	8.20	12.70	2.00

*Cond. = conductivity in ms/cm; D.O. = dissolved oxygen; Temp. = temperature in degress C; Turb. = turbidity in Jtu.

Table 2.7. Chemical analysis of groundwater samples from SWSA 7 site, FY89

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
1117	12/08/88	AG	<	0.00500	MG/L	0.0000
1117	03/17/89	AG	<	0.00500	MG/L	0.0000
1117	06/07/89	AG		0.00620	MG/L	0.0000
1117	08/29/89	AG	<	0.00500	MG/L	0.0000
1117	12/08/88	AL		0.41000	MG/L	0.0000
1117	03/17/89	AL		0.40000	MG/L	0.0000
1117	06/07/89	AL	<	2.00000	MG/L	0.0000
1117	08/29/89	AL		0.23000	MG/L	0.0000
1117	12/08/88	ALKALINITY		285.00000	MG CACO3/L	0.0000
1117	03/17/89	ALKALINITY		135.00000	MG CACO3/L	0.0000
1117	06/07/89	ALKALINITY		22.60000	MG CACO3/L	0.0000
1117	08/29/89	ALKALINITY		286.30000	MG CACO3/L	0.0000
1117	12/08/88	AS	<	0.01000	UG/ML	0.0000
1117	03/17/89	AS	<	0.01000	UG/ML	0.0000
1117	06/07/89	AS	<	0.01000	UG/ML	0.0000
1117	08/29/89	AS		0.09000	MG/L	0.0000
1117	12/08/88	B	<	0.08000	MG/L	0.0000
1117	03/17/89	B	<	0.08000	MG/L	0.0000
1117	06/07/89	B	<	0.08000	MG/L	0.0000
1117	08/29/89	B	<	0.08000	MG/L	0.0000
1117	12/08/88	BA		0.07100	MG/L	0.0000
1117	03/17/89	BA		0.10000	MG/L	0.0000
1117	06/07/89	BA		0.09700	MG/L	0.0000
1117	08/29/89	BA		0.06000	MG/L	0.0000
1117	12/08/88	BE		0.00150	MG/L	0.0000
1117	03/17/89	BE	<	0.00030	MG/L	0.0000
1117	06/07/89	BE		0.03000	MG/L	0.0000
1117	08/29/89	BE	<	0.00050	MG/L	0.0000
1117	12/08/88	CA		100.00000	MG/L	0.0000
1117	03/17/89	CA		37.00000	MG/L	0.0000
1117	06/07/89	CA		97.00000	MG/L	0.0000
1117	08/29/89	CA		89.00000	MG/L	0.0000
1117	12/08/88	CD	<	0.00200	MG/L	0.0000
1117	03/17/89	CD	<	0.00200	MG/L	0.0000
1117	06/07/89	CD		0.01000	MG/L	0.0000
1117	08/29/89	CD	<	0.00200	MG/L	0.0000
1117	12/08/88	CHLORIDE		1.00000	MG/L	0.0000
1117	03/17/89	CHLORIDE		1.20000	MG/L	0.0000
1117	06/07/89	CHLORIDE		1.00000	MG/L	0.0000
1117	08/29/89	CHLORIDE		1.10000	MG/L	0.0000
1117	12/08/88	CO	<	0.00300	MG/L	0.0000
1117	03/17/89	CO	<	0.00300	MG/L	0.0000
1117	06/07/89	CO	<	0.00300	MG/L	0.0000
1117	08/29/89	CO	<	0.00300	MG/L	0.0000
1117	12/08/88	CR	<	0.00500	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
1117	03/17/89	CR		0.02000	MG/L	0.0000
1117	06/07/89	CR		0.02500	MG/L	0.0000
1117	08/29/89	CR		0.01600	MG/L	0.0000
1117	12/08/88	CU	<	0.01000	MG/L	0.0000
1117	03/17/89	CU	<	0.01000	MG/L	0.0000
1117	06/07/89	CU	<	0.01000	MG/L	0.0000
1117	08/29/89	CU	<	0.00800	MG/L	0.0000
1117	12/08/88	FE		0.43000	MG/L	0.0000
1117	03/17/89	FE		0.08000	MG/L	0.0000
1117	06/07/89	FE		0.39000	MG/L	0.0000
1117	08/29/89	FE		0.40000	MG/L	0.0000
1117	12/08/88	FLUORIDE	<	1.00000	MG/L	0.0000
1117	03/17/89	FLUORIDE	<	1.00000	MG/L	0.0000
1117	06/07/89	FLUORIDE	<	1.00000	MG/L	0.0000
1117	08/29/89	FLUORIDE	<	1.00000	MG/L	0.0000
1117	12/08/88	G-ALPHA		0.00000	BQ/L	0.0000
1117	03/17/89	G-ALPHA		0.06700	BQ/L	0.0620
1117	06/07/89	G-ALPHA		0.01500	BQ/L	0.0450
1117	08/29/89	G-ALPHA		0.52000	BQ/L	0.9600
1117	12/08/88	G-BETA		0.28000	BQ/L	0.1000
1117	03/17/89	G-BETA		0.32000	BQ/L	0.1500
1117	06/07/89	G-BETA		0.28000	BQ/L	0.1600
1117	08/29/89	G-BETA		0.20000	BQ/L	2.2000
1117	12/08/88	GA	<	0.30000	MG/L	0.0000
1117	03/17/89	GA	<	0.30000	MG/L	0.0000
1117	12/08/88	HG	<	0.00010	UG/ML	0.0000
1117	03/17/89	HG	<	0.00010	UG/ML	0.0000
1117	06/07/89	HG	<	0.00010	UG/ML	0.0000
1117	08/29/89	HG	<	0.00010	UG/ML	0.0000
1117	12/08/88	LI	<	0.20000	MG/L	0.0000
1117	03/17/89	LI	<	0.20000	MG/L	0.0000
1117	06/07/89	LI	<	15.00000	MG/L	0.0000
1117	08/29/89	LI	<	15.00000	MG/L	0.0000
1117	12/08/88	MG		16.00000	MG/L	0.0000
1117	03/17/89	MG		14.00000	MG/L	0.0000
1117	06/07/89	MG		12.00000	MG/L	0.0000
1117	08/29/89	MG		12.00000	MG/L	0.0000
1117	12/08/88	MN		0.03600	MG/L	0.0000
1117	03/17/89	MN		0.04600	MG/L	0.0000
1117	06/07/89	MN		0.04200	MG/L	0.0000
1117	08/29/89	MN		0.02900	MG/L	0.0000
1117	12/08/88	MO	<	0.04000	MG/L	0.0000
1117	03/17/89	MO	<	0.04000	MG/L	0.0000
1117	06/07/89	MO	<	0.04000	MG/L	0.0000
1117	08/29/89	MO	<	0.04000	MG/L	0.0000
1117	12/08/88	NA		14.00000	MG/L	0.0000
1117	06/07/89	NA		14.00000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
1117	08/29/89	NA		9.00000	MG/L	0.0000
1117	12/08/88	NI	<	0.00500	MG/L	0.0000
1117	03/17/89	NI		0.01800	MG/L	0.0000
1117	06/07/89	NI	<	0.00600	MG/L	0.0000
1117	08/29/89	NI	<	0.00600	MG/L	0.0000
1117	12/08/88	NITRATE	<	5.00000	MG/L	0.0000
1117	03/17/89	NITRATE	<	5.00000	MG/L	0.0000
1117	06/07/89	NITRATE	<	5.00000	MG/L	0.0000
1117	08/29/89	NITRATE	<	5.00000	MG/L	0.0000
1117	12/08/88	P	<	0.30000	MG/L	0.0000
1117	03/17/89	P	<	0.30000	MG/L	0.0000
1117	06/07/89	P	<	0.30000	MG/L	0.0000
1117	08/29/89	P	<	0.30000	MG/L	0.0000
1117	12/08/88	PB	<	0.05000	MG/L	0.0000
1117	03/17/89	PB	<	0.05000	MG/L	0.0000
1117	06/07/89	PB	<	0.03000	MG/L	0.0000
1117	08/29/89	PB	<	0.03000	MG/L	0.0000
1117	12/08/88	PHOSPHATE	<	5.00000	MG/L	0.0000
1117	03/17/89	PHOSPHATE	<	5.00000	MG/L	0.0000
1117	06/07/89	PHOSPHATE	<	5.00000	MG/L	0.0000
1117	08/29/89	PHOSPHATE	<	5.00000	MG/L	0.0000
1117	12/08/88	SB	<	0.03000	MG/L	0.0000
1117	03/17/89	SB	<	0.03000	MG/L	0.0000
1117	06/07/89	SB	<	0.04000	MG/L	0.0000
1117	08/29/89	SB	<	0.04000	MG/L	0.0000
1117	12/08/88	SE	<	0.00500	UG/ML	0.0000
1117	03/17/89	SE	<	0.00500	UG/ML	0.0000
1117	06/07/89	SE	<	0.00500	UG/ML	0.0000
1117	08/29/89	SE	<	0.08000	MG/L	0.0000
1117	12/08/88	SI		12.00000	MG/L	0.0000
1117	03/17/89	SI		10.00000	MG/L	0.0000
1117	06/07/89	SI		10.00000	MG/L	0.0000
1117	08/29/89	SI		9.30000	MG/L	0.0000
1117	12/08/88	SN	<	0.05000	MG/L	0.0000
1117	03/17/89	SN	<	0.05000	MG/L	0.0000
1117	06/07/89	SN	<	0.05000	MG/L	0.0000
1117	08/29/89	SN	<	0.05000	MG/L	0.0000
1117	12/08/88	SR		0.72000	MG/L	0.0000
1117	03/17/89	SR		0.75000	MG/L	0.0000
1117	06/07/89	SR		0.79000	MG/L	0.0000
1117	08/29/89	SR		0.74000	MG/L	0.0000
1117	12/08/88	SULFATE		44.00000	MG/L	0.0000
1117	03/17/89	SULFATE		43.00000	MG/L	0.0000
1117	06/07/89	SULFATE		39.00000	MG/L	0.0000
1117	08/29/89	SULFATE		35.00000	MG/L	0.0000
1117	12/08/88	TI	<	0.02000	MG/L	0.0000
1117	03/17/89	TI	<	0.02000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
1117	06/07/89	TI	<	0.02000	MG/L	0.0000
1117	08/29/89	TI	<	0.02000	MG/L	0.0000
1117	12/08/88	TOC		0.70000	UG/ML	0.0000
1117	03/17/89	TOC		0.70000	UG/ML	0.0000
1117	06/07/89	TOC	<	0.50000	UG/ML	0.0000
1117	08/29/89	TOC		1.60000	UG/ML	0.0000
1117	12/08/88	TOTAL URANIUM		0.00100	MG/L	0.0000
1117	03/17/89	TOTAL URANIUM		0.00300	MG/L	0.0000
1117	06/07/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
1117	08/29/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
1117	12/08/88	TOX		17.00000	UG/L	0.0000
1117	03/17/89	TOX	<	5.00000	UG/L	0.0000
1117	06/07/89	TOX	<	5.00000	UG/L	0.0000
1117	08/29/89	TOX	<	5.00000	UG/L	0.0000
1117	12/08/88	TRITIUM		440.00000	BQ/L	60.0000
1117	03/17/89	TRITIUM		19.00000	BQ/L	33.0000
1117	06/07/89	TRITIUM		16.00000	BQ/L	30.0000
1117	08/29/89	TRITIUM		-150.00000	BQ/L	40.0000
1117	12/08/88	V		0.01000	MG/L	0.0000
1117	03/17/89	V	<	0.00400	MG/L	0.0000
1117	06/07/89	V	<	0.00400	MG/L	0.0000
1117	08/29/89	V	<	0.00300	MG/L	0.0000
1117	12/08/88	ZN	<	0.00800	MG/L	0.0000
1117	03/17/89	ZN	<	0.00800	MG/L	0.0000
1117	06/07/89	ZN		0.01500	MG/L	0.0000
1117	08/29/89	ZN		0.00610	MG/L	0.0000
1117	12/08/88	ZR	<	0.02000	MG/L	0.0000
1117	03/17/89	ZR	<	0.02000	MG/L	0.0000
1117	06/07/89	ZR	<	0.02000	MG/L	0.0000
1117	08/29/89	ZR	<	0.02000	MG/L	0.0000
1126	12/08/88	AG	<	0.00500	MG/L	0.0000
1126	03/17/89	AG	<	0.00500	MG/L	0.0000
1126	06/06/89	AG	<	0.00500	MG/L	0.0000
1126	08/29/89	AG	<	0.00500	MG/L	0.0000
1126	12/08/88	AL		0.20000	MG/L	0.0000
1126	03/17/89	AL		0.15000	MG/L	0.0000
1126	06/06/89	AL	<	2.00000	MG/L	0.0000
1126	08/29/89	AL	<	0.05000	MG/L	0.0000
1126	12/08/88	ALKALINITY		110.00000	MG CACO3/L	0.0000
1126	03/17/89	ALKALINITY		98.75000	MG CACO3/L	0.0000
1126	06/06/89	ALKALINITY		118.80000	MG CACO3/L	0.0000
1126	08/29/89	ALKALINITY		121.30000	MG CACO3/L	0.0000
1126	12/08/88	AS	<	0.01000	UG/ML	0.0000
1126	03/17/89	AS	<	0.01000	UG/ML	0.0000
1126	06/06/89	AS	<	0.01000	UG/ML	0.0000
1126	08/29/89	AS	<	0.05000	MG/L	0.0000
1126	12/08/88	B	<	0.08000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
1126	03/17/89	B	<	0.08000	MG/L	0.0000
1126	06/06/89	B	<	0.08000	MG/L	0.0000
1126	08/29/89	B	<	0.08000	MG/L	0.0000
1126	12/08/88	BA		0.12000	MG/L	0.0000
1126	03/17/89	BA		0.08700	MG/L	0.0000
1126	06/06/89	BA		0.16000	MG/L	0.0000
1126	08/29/89	BA		0.16000	MG/L	0.0000
1126	12/08/88	BE	<	0.00030	MG/L	0.0000
1126	03/17/89	BE	<	0.00030	MG/L	0.0000
1126	06/06/89	BE		0.03000	MG/L	0.0000
1126	08/29/89	BE	<	0.00050	MG/L	0.0000
1126	12/08/88	CA		40.00000	MG/L	0.0000
1126	03/17/89	CA		15.00000	MG/L	0.0000
1126	06/06/89	CA		39.00000	MG/L	0.0000
1126	08/29/89	CA		41.00000	MG/L	0.0000
1126	12/08/88	CD	<	0.00200	MG/L	0.0000
1126	03/17/89	CD	<	0.00200	MG/L	0.0000
1126	06/06/89	CD		0.01000	MG/L	0.0000
1126	08/29/89	CD	<	0.00200	MG/L	0.0000
1126	12/08/88	CHLORIDE		1.00000	MG/L	0.0000
1126	03/17/89	CHLORIDE		1.10000	MG/L	0.0000
1126	06/06/89	CHLORIDE		1.00000	MG/L	0.0000
1126	08/29/89	CHLORIDE		1.00000	MG/L	0.0000
1126	12/08/88	CO	<	0.00300	MG/L	0.0000
1126	03/17/89	CO		0.00310	MG/L	0.0000
1126	06/06/89	CO	<	0.00300	MG/L	0.0000
1126	08/29/89	CO	<	0.00300	MG/L	0.0000
1126	12/08/88	CR	<	0.00500	MG/L	0.0000
1126	03/17/89	CR		0.01300	MG/L	0.0000
1126	06/06/89	CR		0.01800	MG/L	0.0000
1126	08/29/89	CR		0.00730	MG/L	0.0000
1126	12/08/88	CU	<	0.01000	MG/L	0.0000
1126	03/17/89	CU	<	0.01000	MG/L	0.0000
1126	06/06/89	CU	<	0.01000	MG/L	0.0000
1126	08/29/89	CU	<	0.00800	MG/L	0.0000
1126	12/08/88	FE		0.02000	MG/L	0.0000
1126	03/17/89	FE	<	0.01000	MG/L	0.0000
1126	06/06/89	FE		0.14000	MG/L	0.0000
1126	08/29/89	FE	<	0.01000	MG/L	0.0000
1126	12/08/88	FLUORIDE	<	1.00000	MG/L	0.0000
1126	03/17/89	FLUORIDE	<	1.00000	MG/L	0.0000
1126	06/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
1126	08/29/89	FLUORIDE	<	1.00000	MG/L	0.0000
1126	12/08/88	G-ALPHA		0.05000	BQ/L	0.0500
1126	03/17/89	G-ALPHA		0.11000	BQ/L	0.0800
1126	06/06/89	G-ALPHA		0.08400	BQ/L	0.0710
1126	08/29/89	G-ALPHA		0.25000	BQ/L	0.7800

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
1126	12/08/88	G-BETA		0.02000	BQ/L	0.0300
1126	03/17/89	G-BETA		0.22000	BQ/L	0.1400
1126	06/06/89	G-BETA		0.18000	BQ/L	0.1400
1126	08/29/89	G-BETA		0.40000	BQ/L	2.1000
1126	12/08/88	GA	<	0.30000	MG/L	0.0000
1126	03/17/89	GA	<	0.30000	MG/L	0.0000
1126	12/08/88	HG	<	0.00010	UG/ML	0.0000
1126	03/17/89	HG	<	0.00010	UG/ML	0.0000
1126	06/06/89	HG	<	0.00010	UG/ML	0.0000
1126	08/29/89	HG	<	0.00010	UG/ML	0.0000
1126	12/08/88	LI	<	0.20000	MG/L	0.0000
1126	03/17/89	LI	<	0.20000	MG/L	0.0000
1126	06/06/89	LI	<	15.00000	MG/L	0.0000
1126	08/29/89	LI	<	15.00000	MG/L	0.0000
1126	12/08/88	MG		3.00000	MG/L	0.0000
1126	03/17/89	MG		3.80000	MG/L	0.0000
1126	06/06/89	MG		3.70000	MG/L	0.0000
1126	08/29/89	MG		3.90000	MG/L	0.0000
1126	12/08/88	MN	<	0.00200	MG/L	0.0000
1126	03/17/89	MN	<	0.00200	MG/L	0.0000
1126	06/06/89	MN		0.01100	MG/L	0.0000
1126	08/29/89	MN	<	0.00200	MG/L	0.0000
1126	12/08/88	MO	<	0.04000	MG/L	0.0000
1126	03/17/89	MO	<	0.04000	MG/L	0.0000
1126	06/06/89	MO	<	0.04000	MG/L	0.0000
1126	08/29/89	MO	<	0.04000	MG/L	0.0000
1126	12/08/88	NA		3.80000	MG/L	0.0000
1126	06/06/89	NA	<	2.00000	MG/L	0.0000
1126	08/29/89	NA	<	2.00000	MG/L	0.0000
1126	12/08/88	NI	<	0.00500	MG/L	0.0000
1126	03/17/89	NI		0.01700	MG/L	0.0000
1126	06/06/89	NI	<	0.00600	MG/L	0.0000
1126	08/29/89	NI	<	0.00600	MG/L	0.0000
1126	12/08/88	NITRATE	<	5.00000	MG/L	0.0000
1126	03/17/89	NITRATE	<	5.00000	MG/L	0.0000
1126	06/06/89	NITRATE	<	5.00000	MG/L	0.0000
1126	08/29/89	NITRATE	<	5.00000	MG/L	0.0000
1126	12/08/88	P	<	0.30000	MG/L	0.0000
1126	03/17/89	P	<	0.30000	MG/L	0.0000
1126	06/06/89	P	<	0.30000	MG/L	0.0000
1126	08/29/89	P	<	0.30000	MG/L	0.0000
1126	12/08/88	PB	<	0.05000	MG/L	0.0000
1126	03/17/89	PB	<	0.05000	MG/L	0.0000
1126	06/06/89	PB	<	0.03000	MG/L	0.0000
1126	08/29/89	PB	<	0.03000	MG/L	0.0000
1126	12/08/88	PHOSPHATE	<	5.00000	MG/L	0.0000
1126	03/17/89	PHOSPHATE	<	5.00000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
1126	06/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
1126	08/29/89	PHOSPHATE	<	5.00000	MG/L	0.0000
1126	12/08/88	SB	<	0.03000	MG/L	0.0000
1126	03/17/89	SB	<	0.03000	MG/L	0.0000
1126	06/06/89	SB	<	0.04000	MG/L	0.0000
1126	08/29/89	SB	<	0.04000	MG/L	0.0000
1126	12/08/88	SE	<	0.00500	UG/ML	0.0000
1126	03/17/89	SE	<	0.00500	UG/ML	0.0000
1126	06/06/89	SE	<	0.00500	UG/ML	0.0000
1126	08/29/89	SE	<	0.08000	MG/L	0.0000
1126	12/08/88	SI		7.80000	MG/L	0.0000
1126	03/17/89	SI		7.10000	MG/L	0.0000
1126	06/06/89	SI		6.70000	MG/L	0.0000
1126	08/29/89	SI		6.70000	MG/L	0.0000
1126	12/08/88	SN	<	0.05000	MG/L	0.0000
1126	03/17/89	SN	<	0.05000	MG/L	0.0000
1126	06/06/89	SN	<	0.05000	MG/L	0.0000
1126	08/29/89	SN	<	0.05000	MG/L	0.0000
1126	12/08/88	SR		0.06400	MG/L	0.0000
1126	03/17/89	SR		0.08600	MG/L	0.0000
1126	06/06/89	SR		0.06900	MG/L	0.0000
1126	08/29/89	SR		0.08300	MG/L	0.0000
1126	12/08/88	SULFATE	<	5.00000	MG/L	0.0000
1126	03/17/89	SULFATE	<	5.00000	MG/L	0.0000
1126	06/06/89	SULFATE	<	5.00000	MG/L	0.0000
1126	08/29/89	SULFATE		6.10000	MG/L	0.0000
1126	12/08/88	TI	<	0.02000	MG/L	0.0000
1126	03/17/89	TI	<	0.02000	MG/L	0.0000
1126	06/06/89	TI	<	0.02000	MG/L	0.0000
1126	08/29/89	TI	<	0.02000	MG/L	0.0000
1126	12/08/88	TOC	<	0.50000	UG/ML	0.0000
1126	03/17/89	TOC	<	0.50000	UG/ML	0.0000
1126	06/06/89	TOC		0.80000	UG/ML	0.0000
1126	08/29/89	TOC		0.90000	UG/ML	0.0000
1126	12/08/88	TOTAL URANIUM		0.00100	MG/L	0.0000
1126	03/17/89	TOTAL URANIUM		0.00400	MG/L	0.0000
1126	06/06/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
1126	08/29/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
1126	12/08/88	TOX	<	5.00000	UG/L	0.0000
1126	03/17/89	TOX	<	5.00000	UG/L	0.0000
1126	06/06/89	TOX	<	5.00000	UG/L	0.0000
1126	08/29/89	TOX	<	5.00000	UG/L	0.0000
1126	12/08/88	TRITIUM		160.00000	BQ/L	50.0000
1126	03/17/89	TRITIUM		-12.00000	BQ/L	31.0000
1126	06/06/89	TRITIUM		35.00000	BQ/L	31.0000
1126	08/29/89	TRITIUM		-100.00000	BQ/L	40.0000
1126	12/08/88	V	<	0.00400	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
1126	03/17/89	V	<	0.00400	MG/L	0.0000
1126	06/06/89	V	<	0.00400	MG/L	0.0000
1126	08/29/89	V	<	0.00300	MG/L	0.0000
1126	12/08/88	ZN	<	0.00800	MG/L	0.0000
1126	03/17/89	ZN	<	0.00800	MG/L	0.0000
1126	06/06/89	ZN		0.00810	MG/L	0.0000
1126	08/29/89	ZN	<	0.00500	MG/L	0.0000
1126	12/08/88	ZR	<	0.02000	MG/L	0.0000
1126	03/17/89	ZR	<	0.02000	MG/L	0.0000
1126	06/06/89	ZR	<	0.02000	MG/L	0.0000
1126	08/29/89	ZR	<	0.02000	MG/L	0.0000
7-12	12/02/88	AG	<	0.00500	MG/L	0.0000
7-12	03/09/89	AG	<	0.00600	MG/L	0.0000
7-12	06/02/89	AG		0.00670	MG/L	0.0000
7-12	08/29/89	AG		0.00840	MG/L	0.0000
7-12	12/02/88	AL		0.78000	MG/L	0.0000
7-12	03/09/89	AL	<	0.02000	MG/L	0.0000
7-12	06/02/89	AL		0.68000	MG/L	0.0000
7-12	08/29/89	AL		0.97000	MG/L	0.0000
7-12	12/02/88	ALKALINITY		387.50000	MG CACO3/L	0.0000
7-12	03/09/89	ALKALINITY		390.00000	MG CACO3/L	0.0000
7-12	06/02/89	ALKALINITY		412.50000	MG CACO3/L	0.0000
7-12	08/29/89	ALKALINITY		387.50000	MG CACO3/L	0.0000
7-12	12/02/88	AS	<	0.01000	UG/ML	0.0000
7-12	03/09/89	AS	<	0.01000	UG/ML	0.0000
7-12	06/02/89	AS	<	0.01000	UG/ML	0.0000
7-12	08/29/89	AS		0.26000	MG/L	0.0000
7-12	12/02/88	B		0.09400	MG/L	0.0000
7-12	03/09/89	B		0.11000	MG/L	0.0000
7-12	06/02/89	B	<	0.08000	MG/L	0.0000
7-12	08/29/89	B	<	0.08000	MG/L	0.0000
7-12	12/02/88	BA		0.01500	MG/L	0.0000
7-12	03/09/89	BA	<	0.00100	MG/L	0.0000
7-12	06/02/89	BA		0.03000	MG/L	0.0000
7-12	08/29/89	BA		0.00510	MG/L	0.0000
7-12	12/02/88	BE		0.00360	MG/L	0.0000
7-12	03/09/89	BE	<	0.00030	MG/L	0.0000
7-12	06/02/89	BE	<	0.00040	MG/L	0.0000
7-12	08/29/89	BE		0.00060	MG/L	0.0000
7-12	12/02/88	CA		370.00000	MG/L	0.0000
7-12	03/09/89	CA		196.00000	MG/L	0.0000
7-12	06/02/89	CA		410.00000	MG/L	0.0000
7-12	08/29/89	CA		470.00000	MG/L	0.0000
7-12	12/02/88	CD		0.00850	MG/L	0.0000
7-12	03/09/89	CD	<	0.00300	MG/L	0.0000
7-12	06/02/89	CD	<	0.00200	MG/L	0.0000
7-12	08/29/89	CD	<	0.00200	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-12	12/02/88	CHLORIDE		14.00000	MG/L	0.0000
7-12	03/09/89	CHLORIDE		13.00000	MG/L	0.0000
7-12	06/02/89	CHLORIDE		14.00000	MG/L	0.0000
7-12	08/29/89	CHLORIDE		13.00000	MG/L	0.0000
7-12	12/02/88	CO	<	0.00300	MG/L	0.0000
7-12	03/09/89	CO	<	0.00500	MG/L	0.0000
7-12	06/02/89	CO		0.00420	MG/L	0.0000
7-12	08/29/89	CO		0.00380	MG/L	0.0000
7-12	12/02/88	CR	<	0.00500	MG/L	0.0000
7-12	03/09/89	CR	<	0.01000	MG/L	0.0000
7-12	06/02/89	CR		0.00760	MG/L	0.0000
7-12	08/29/89	CR		0.03200	MG/L	0.0000
7-12	12/02/88	CU		0.01000	MG/L	0.0000
7-12	03/09/89	CU	<	0.00400	MG/L	0.0000
7-12	06/02/89	CU	<	0.01000	MG/L	0.0000
7-12	08/29/89	CU	<	0.00800	MG/L	0.0000
7-12	12/02/88	FE		0.06000	MG/L	0.0000
7-12	03/09/89	FE		0.02500	MG/L	0.0000
7-12	06/02/89	FE	<	0.01000	MG/L	0.0000
7-12	08/29/89	FE		0.29000	MG/L	0.0000
7-12	12/02/88	FLUORIDE		1.50000	MG/L	0.0000
7-12	03/09/89	FLUORIDE		1.80000	MG/L	0.0000
7-12	06/02/89	FLUORIDE		1.90000	MG/L	0.0000
7-12	08/29/89	FLUORIDE		2.30000	MG/L	0.0000
7-12	12/02/88	G-ALPHA		0.00000	BQ/L	0.2500
7-12	03/09/89	G-ALPHA		0.17000	BQ/L	0.2000
7-12	06/02/89	G-ALPHA		0.00000	BQ/L	0.3100
7-12	08/29/89	G-ALPHA		0.90000	BQ/L	1.2000
7-12	12/02/88	G-BETA		0.65000	BQ/L	0.5800
7-12	03/09/89	G-BETA		4.00000	BQ/L	0.6000
7-12	06/02/89	G-BETA		0.10000	BQ/L	1.3000
7-12	08/29/89	G-BETA		1.30000	BQ/L	2.4000
7-12	12/02/88	GA	<	0.30000	MG/L	0.0000
7-12	12/02/88	HG	<	0.00010	UG/ML	0.0000
7-12	03/09/89	HG	<	0.00010	UG/ML	0.0000
7-12	06/02/89	HG	<	0.00010	UG/ML	0.0000
7-12	08/29/89	HG	<	0.00010	UG/ML	0.0000
7-12	12/02/88	LI	<	0.20000	MG/L	0.0000
7-12	03/09/89	LI		0.13000	MG/L	0.0000
7-12	06/02/89	LI	<	0.01500	MG/L	0.0000
7-12	08/29/89	LI	<	15.00000	MG/L	0.0000
7-12	12/02/88	MG		140.00000	MG/L	0.0000
7-12	03/09/89	MG		118.00000	MG/L	0.0000
7-12	06/02/89	MG		170.00000	MG/L	0.0000
7-12	08/29/89	MG		160.00000	MG/L	0.0000
7-12	12/02/88	MN		0.06700	MG/L	0.0000
7-12	03/09/89	MN		0.12000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-12	06/02/89	MN		0.28000	MG/L	0.0000
7-12	08/29/89	MN		0.78000	MG/L	0.0000
7-12	12/02/88	MO	<	0.04000	MG/L	0.0000
7-12	03/09/89	MO	<	0.01000	MG/L	0.0000
7-12	06/02/89	MO	<	0.04000	MG/L	0.0000
7-12	08/29/89	MO	<	0.04000	MG/L	0.0000
7-12	12/02/88	NA		54.00000	MG/L	0.0000
7-12	03/09/89	NA		55.10000	MG/L	0.0000
7-12	06/02/89	NA		62.00000	MG/L	0.0000
7-12	08/29/89	NA		55.00000	MG/L	0.0000
7-12	12/02/88	NI		0.00520	MG/L	0.0000
7-12	03/09/89	NI	<	0.01000	MG/L	0.0000
7-12	06/02/89	NI	<	0.00600	MG/L	0.0000
7-12	08/29/89	NI	<	0.00600	MG/L	0.0000
7-12	12/02/88	NITRATE	<	5.00000	MG/L	0.0000
7-12	03/09/89	NITRATE	<	5.00000	MG/L	0.0000
7-12	06/02/89	NITRATE	<	5.00000	MG/L	0.0000
7-12	08/29/89	NITRATE	<	5.00000	MG/L	0.0000
7-12	12/02/88	P	<	0.30000	MG/L	0.0000
7-12	03/09/89	P	<	0.20000	MG/L	0.0000
7-12	06/02/89	P	<	0.30000	MG/L	0.0000
7-12	08/29/89	P	<	0.30000	MG/L	0.0000
7-12	12/02/88	PB	<	0.05000	MG/L	0.0000
7-12	03/09/89	PB	<	0.05000	MG/L	0.0000
7-12	06/02/89	PB	<	0.03000	MG/L	0.0000
7-12	08/29/89	PB		0.04600	MG/L	0.0000
7-12	12/02/88	PHOSPHATE	<	5.00000	MG/L	0.0000
7-12	03/09/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-12	06/02/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-12	08/29/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-12	12/02/88	SB	<	0.03000	MG/L	0.0000
7-12	03/09/89	SB	<	0.03000	MG/L	0.0000
7-12	06/02/89	SB	<	0.04000	MG/L	0.0000
7-12	08/29/89	SB	<	0.04000	MG/L	0.0000
7-12	12/02/88	SE	<	0.00500	UG/ML	0.0000
7-12	03/09/89	SE	<	0.00500	UG/ML	0.0000
7-12	06/02/89	SE	<	0.00500	UG/ML	0.0000
7-12	08/29/89	SE	<	0.08000	MG/L	0.0000
7-12	12/02/88	SI		12.00000	MG/L	0.0000
7-12	03/09/89	SI		13.00000	MG/L	0.0000
7-12	06/02/89	SI		12.00000	MG/L	0.0000
7-12	08/29/89	SI		11.00000	MG/L	0.0000
7-12	12/02/88	SN	<	0.05000	MG/L	0.0000
7-12	06/02/89	SN	<	0.05000	MG/L	0.0000
7-12	08/29/89	SN	<	0.05000	MG/L	0.0000
7-12	12/02/88	SR		3.20000	MG/L	0.0000
7-12	03/09/89	SR		2.50000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-12	06/02/89	SR		3.60000	MG/L	0.0000
7-12	08/29/89	SR		3.60000	MG/L	0.0000
7-12	12/02/88	SULFATE		1300.00000	MG/L	0.0000
7-12	03/09/89	SULFATE		1400.00000	MG/L	0.0000
7-12	06/02/89	SULFATE		1300.00000	MG/L	0.0000
7-12	08/29/89	SULFATE		1800.00000	MG/L	0.0000
7-12	12/02/88	TI		0.02900	MG/L	0.0000
7-12	03/09/89	TI	<	0.00300	MG/L	0.0000
7-12	06/02/89	TI	<	0.02000	MG/L	0.0000
7-12	08/29/89	TI	<	0.02000	MG/L	0.0000
7-12	12/02/88	TOC		1.10000	UG/ML	0.0000
7-12	03/09/89	TOC		1.00000	UG/ML	0.0000
7-12	06/02/89	TOC		1.50000	UG/ML	0.0000
7-12	08/29/89	TOC		2.60000	UG/ML	0.0000
7-12	12/02/88	TOTAL URANIUM	<	0.00100	MG/L	0.0000
7-12	03/09/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
7-12	06/02/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
7-12	08/29/89	TOTAL URANIUM		0.00100	MG/L	0.0000
7-12	12/02/88	TOX	<	5.00000	UG/L	0.0000
7-12	03/09/89	TOX	<	5.00000	UG/L	0.0000
7-12	06/02/89	TOX		5.30000	UG/L	0.0000
7-12	08/29/89	TOX	<	5.00000	UG/L	0.0000
7-12	12/02/88	TRITIUM		-18.00000	BQ/L	44.0000
7-12	03/09/89	TRITIUM		-6.00000	BQ/L	30.0000
7-12	06/02/89	TRITIUM		19.00000	BQ/L	30.0000
7-12	08/29/89	TRITIUM		-140.00000	BQ/L	40.0000
7-12	12/02/88	V	<	0.00400	MG/L	0.0000
7-12	03/09/89	V	<	0.00400	MG/L	0.0000
7-12	06/02/89	V	<	0.00400	MG/L	0.0000
7-12	08/29/89	V		0.01200	MG/L	0.0000
7-12	12/02/88	ZN		0.08400	MG/L	0.0000
7-12	03/09/89	ZN		0.04700	MG/L	0.0000
7-12	06/02/89	ZN	<	0.00800	MG/L	0.0000
7-12	08/29/89	ZN		0.00760	MG/L	0.0000
7-12	12/02/88	ZR	<	0.02000	MG/L	0.0000
7-12	03/09/89	ZR	<	0.00500	MG/L	0.0000
7-12	06/02/89	ZR	<	0.02000	MG/L	0.0000
7-12	08/29/89	ZR	<	0.02000	MG/L	0.0000
7-13	12/02/88	AG	<	0.00500	MG/L	0.0000
7-13	03/10/89	AG	<	0.00600	MG/L	0.0000
7-13	06/02/89	AG	<	0.00500	MG/L	0.0000
7-13	08/29/89	AG	<	0.00500	MG/L	0.0000
7-13	12/02/88	AL		0.19000	MG/L	0.0000
7-13	03/10/89	AL	<	0.02000	MG/L	0.0000
7-13	06/02/89	AL	<	0.05000	MG/L	0.0000
7-13	08/29/89	AL	<	0.05000	MG/L	0.0000
7-13	12/02/88	ALKALINITY		142.50000	MG CACO3/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-13	03/10/89	ALKALINITY		145.00000	MG CACO3/L	0.0000
7-13	06/02/89	ALKALINITY		145.00000	MG CACO3/L	0.0000
7-13	08/29/89	ALKALINITY		146.90000	MG CACO3/L	0.0000
7-13	12/02/88	AS	<	0.01000	UG/ML	0.0000
7-13	03/10/89	AS	<	0.01000	UG/ML	0.0000
7-13	06/02/89	AS	<	0.01000	UG/ML	0.0000
7-13	08/29/89	AS	<	0.05000	MG/L	0.0000
7-13	12/02/88	B		0.09700	MG/L	0.0000
7-13	03/10/89	B		0.07700	MG/L	0.0000
7-13	06/02/89	B	<	0.08000	MG/L	0.0000
7-13	08/29/89	B	<	0.08000	MG/L	0.0000
7-13	12/02/88	BA		0.19000	MG/L	0.0000
7-13	03/10/89	BA		0.19000	MG/L	0.0000
7-13	06/02/89	BA		0.21000	MG/L	0.0000
7-13	08/29/89	BA		0.20000	MG/L	0.0000
7-13	12/02/88	BE	<	0.00030	MG/L	0.0000
7-13	03/10/89	BE	<	0.00030	MG/L	0.0000
7-13	06/02/89	BE	<	0.00040	MG/L	0.0000
7-13	08/29/89	BE	<	0.00050	MG/L	0.0000
7-13	12/02/88	CA		29.00000	MG/L	0.0000
7-13	03/10/89	CA		25.00000	MG/L	0.0000
7-13	06/02/89	CA		29.00000	MG/L	0.0000
7-13	08/29/89	CA		30.00000	MG/L	0.0000
7-13	12/02/88	CD		0.00570	MG/L	0.0000
7-13	03/10/89	CD	<	0.00300	MG/L	0.0000
7-13	06/02/89	CD	<	0.00200	MG/L	0.0000
7-13	08/29/89	CD	<	0.00200	MG/L	0.0000
7-13	12/02/88	CHLORIDE		1.00000	MG/L	0.0000
7-13	03/10/89	CHLORIDE		1.00000	MG/L	0.0000
7-13	06/02/89	CHLORIDE		1.00000	MG/L	0.0000
7-13	08/29/89	CHLORIDE		1.00000	MG/L	0.0000
7-13	12/02/88	CO	<	0.00300	MG/L	0.0000
7-13	03/10/89	CO	<	0.00500	MG/L	0.0000
7-13	06/02/89	CO		0.00370	MG/L	0.0000
7-13	08/29/89	CO	<	0.00300	MG/L	0.0000
7-13	12/02/88	CR	<	0.00500	MG/L	0.0000
7-13	03/10/89	CR	<	0.01000	MG/L	0.0000
7-13	06/02/89	CR		0.00610	MG/L	0.0000
7-13	08/29/89	CR		0.01300	MG/L	0.0000
7-13	12/02/88	CU	<	0.01000	MG/L	0.0000
7-13	03/10/89	CU	<	0.00400	MG/L	0.0000
7-13	06/02/89	CU	<	0.01000	MG/L	0.0000
7-13	08/29/89	CU	<	0.00800	MG/L	0.0000
7-13	12/02/88	FE		0.51000	MG/L	0.0000
7-13	03/10/89	FE		0.30000	MG/L	0.0000
7-13	06/02/89	FE	<	0.01000	MG/L	0.0000
7-13	08/29/89	FE		0.05900	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-13	12/02/88	FLUORIDE	<	1.00000	MG/L	0.0000
7-13	03/10/89	FLUORIDE	<	1.00000	MG/L	0.0000
7-13	06/02/89	FLUORIDE	<	1.00000	MG/L	0.0000
7-13	08/29/89	FLUORIDE	<	1.00000	MG/L	0.0000
7-13	12/02/88	G-ALPHA		0.03000	BQ/L	0.0500
7-13	03/10/89	G-ALPHA		0.04500	BQ/L	0.0530
7-13	06/02/89	G-ALPHA		-0.01000	BQ/L	0.3300
7-13	08/29/89	G-ALPHA		0.80000	BQ/L	1.1000
7-13	12/02/88	G-BETA		0.14000	BQ/L	0.0700
7-13	03/10/89	G-BETA		0.08000	BQ/L	0.1100
7-13	06/02/89	G-BETA		-0.20000	BQ/L	1.2000
7-13	08/29/89	G-BETA		0.80000	BQ/L	2.1000
7-13	12/02/88	GA	<	0.30000	MG/L	0.0000
7-13	12/02/88	HG	<	0.00010	UG/ML	0.0000
7-13	03/10/89	HG	<	0.00010	UG/ML	0.0000
7-13	06/02/89	HG	<	0.00010	UG/ML	0.0000
7-13	08/29/89	HG	<	0.00010	UG/ML	0.0000
7-13	12/02/88	LI	<	0.20000	MG/L	0.0000
7-13	03/10/89	LI		0.01000	MG/L	0.0000
7-13	06/02/89	LI	<	15.00000	MG/L	0.0000
7-13	08/29/89	LI	<	15.00000	MG/L	0.0000
7-13	12/02/88	MG		10.00000	MG/L	0.0000
7-13	03/10/89	MG		10.10000	MG/L	0.0000
7-13	06/02/89	MG		11.00000	MG/L	0.0000
7-13	08/29/89	MG		10.00000	MG/L	0.0000
7-13	12/02/88	MN		0.01000	MG/L	0.0000
7-13	03/10/89	MN		0.00600	MG/L	0.0000
7-13	06/02/89	MN		0.08900	MG/L	0.0000
7-13	08/29/89	MN		0.05900	MG/L	0.0000
7-13	12/02/88	MO	<	0.04000	MG/L	0.0000
7-13	03/10/89	MO	<	0.01000	MG/L	0.0000
7-13	06/02/89	MO	<	0.04000	MG/L	0.0000
7-13	08/29/89	MO	<	0.04000	MG/L	0.0000
7-13	12/02/88	NA		16.00000	MG/L	0.0000
7-13	03/10/89	NA		14.30000	MG/L	0.0000
7-13	06/02/89	NA		15.00000	MG/L	0.0000
7-13	08/29/89	NA		13.00000	MG/L	0.0000
7-13	12/02/88	NI		0.00920	MG/L	0.0000
7-13	03/10/89	NI	<	0.01000	MG/L	0.0000
7-13	06/02/89	NI	<	0.00600	MG/L	0.0000
7-13	08/29/89	NI	<	0.00600	MG/L	0.0000
7-13	12/02/88	NITRATE	<	5.00000	MG/L	0.0000
7-13	03/10/89	NITRATE	<	5.00000	MG/L	0.0000
7-13	06/02/89	NITRATE	<	5.00000	MG/L	0.0000
7-13	08/29/89	NITRATE	<	5.00000	MG/L	0.0000
7-13	12/02/88	P	<	0.30000	MG/L	0.0000
7-13	03/10/89	P	<	0.20000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-13	06/02/89	P	<	0.30000	MG/L	0.0000
7-13	08/29/89	P	<	0.30000	MG/L	0.0000
7-13	12/02/88	PB	<	0.05000	MG/L	0.0000
7-13	03/10/89	PB	<	0.05000	MG/L	0.0000
7-13	06/02/89	PB	<	0.03000	MG/L	0.0000
7-13	08/29/89	PB		0.03500	MG/L	0.0000
7-13	12/02/88	PHOSPHATE	<	5.00000	MG/L	0.0000
7-13	03/10/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-13	06/02/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-13	08/29/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-13	12/02/88	SB	<	0.03000	MG/L	0.0000
7-13	03/10/89	SB	<	0.03000	MG/L	0.0000
7-13	06/02/89	SB	<	0.04000	MG/L	0.0000
7-13	08/29/89	SB	<	0.04000	MG/L	0.0000
7-13	12/02/88	SE	<	0.00500	UG/ML	0.0000
7-13	03/10/89	SE	<	0.00500	UG/ML	0.0000
7-13	06/02/89	SE	<	0.00500	UG/ML	0.0000
7-13	08/29/89	SE	<	0.08000	MG/L	0.0000
7-13	12/02/88	SI		8.00000	MG/L	0.0000
7-13	03/10/89	SI		8.40000	MG/L	0.0000
7-13	06/02/89	SI		7.90000	MG/L	0.0000
7-13	08/29/89	SI		7.90000	MG/L	0.0000
7-13	12/02/88	SN	<	0.05000	MG/L	0.0000
7-13	06/02/89	SN	<	0.05000	MG/L	0.0000
7-13	08/29/89	SN	<	0.05000	MG/L	0.0000
7-13	12/02/88	SR		0.71000	MG/L	0.0000
7-13	03/10/89	SR		0.61000	MG/L	0.0000
7-13	06/02/89	SR		0.69000	MG/L	0.0000
7-13	08/29/89	SR		0.58000	MG/L	0.0000
7-13	12/02/88	SULFATE		11.00000	MG/L	0.0000
7-13	03/10/89	SULFATE		7.70000	MG/L	0.0000
7-13	06/02/89	SULFATE		9.60000	MG/L	0.0000
7-13	08/29/89	SULFATE		9.30000	MG/L	0.0000
7-13	12/02/88	TI		0.02200	MG/L	0.0000
7-13	03/10/89	TI	<	0.00300	MG/L	0.0000
7-13	06/02/89	TI	<	0.02000	MG/L	0.0000
7-13	08/29/89	TI	<	0.02000	MG/L	0.0000
7-13	12/02/88	TOC		0.50000	UG/ML	0.0000
7-13	03/10/89	TOC	<	0.50000	UG/ML	0.0000
7-13	06/02/89	TOC		0.60000	UG/ML	0.0000
7-13	08/29/89	TOC		1.20000	UG/ML	0.0000
7-13	12/02/88	TOTAL URANIUM		0.00100	MG/L	0.0000
7-13	03/10/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
7-13	06/02/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
7-13	08/29/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
7-13	12/02/88	TOX	<	5.00000	UG/L	0.0000
7-13	03/10/89	TOX	<	5.00000	UG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-13	06/02/89	TOX		13.90000	UG/L	0.0000
7-13	08/29/89	TOX	<	5.00000	UG/L	0.0000
7-13	12/02/88	TRITIUM		23.00000	BQ/L	44.0000
7-13	03/10/89	TRITIUM		2.00000	BQ/L	32.0000
7-13	06/02/89	TRITIUM		9.00000	BQ/L	30.0000
7-13	08/29/89	TRITIUM		-150.00000	BQ/L	40.0000
7-13	12/02/88	V		0.00850	MG/L	0.0000
7-13	03/10/89	V	<	0.00400	MG/L	0.0000
7-13	06/02/89	V	<	0.00400	MG/L	0.0000
7-13	08/29/89	V	<	0.00300	MG/L	0.0000
7-13	12/02/88	ZN		0.06800	MG/L	0.0000
7-13	03/10/89	ZN		0.01900	MG/L	0.0000
7-13	06/02/89	ZN	<	0.00800	MG/L	0.0000
7-13	08/29/89	ZN		0.00680	MG/L	0.0000
7-13	12/02/88	ZR	<	0.02000	MG/L	0.0000
7-13	03/10/89	ZR	<	0.00500	MG/L	0.0000
7-13	06/02/89	ZR	<	0.02000	MG/L	0.0000
7-13	08/29/89	ZR	<	0.02000	MG/L	0.0000
7-16	12/02/88	AG	<	0.00500	MG/L	0.0000
7-16	03/09/89	AG	<	0.00600	MG/L	0.0000
7-16	06/02/89	AG		0.00730	MG/L	0.0000
7-16	08/29/89	AG		0.00660	MG/L	0.0000
7-16	12/02/88	AL		0.45000	MG/L	0.0000
7-16	03/09/89	AL	<	0.02000	MG/L	0.0000
7-16	06/02/89	AL		0.23000	MG/L	0.0000
7-16	08/29/89	AL		0.50000	MG/L	0.0000
7-16	12/02/88	ALKALINITY		315.00000	MG CACO3/L	0.0000
7-16	03/09/89	ALKALINITY	<	1.00000	MG CACO3/L	0.0000
7-16	06/02/89	ALKALINITY		272.50000	MG CACO3/L	0.0000
7-16	08/29/89	ALKALINITY		310.60000	MG CACO3/L	0.0000
7-16	12/02/88	AS	<	0.01000	UG/ML	0.0000
7-16	03/09/89	AS	<	0.01000	UG/ML	0.0000
7-16	06/02/89	AS	<	0.01000	UG/ML	0.0000
7-16	08/29/89	AS		0.13000	MG/L	0.0000
7-16	12/02/88	B		0.09000	MG/L	0.0000
7-16	03/09/89	B		0.06600	MG/L	0.0000
7-16	06/02/89	B	<	0.08000	MG/L	0.0000
7-16	08/29/89	B	<	0.08000	MG/L	0.0000
7-16	12/02/88	BA		0.02700	MG/L	0.0000
7-16	03/09/89	BA		0.01400	MG/L	0.0000
7-16	06/02/89	BA		0.04600	MG/L	0.0000
7-16	08/29/89	BA		0.03800	MG/L	0.0000
7-16	12/02/88	BE		0.00130	MG/L	0.0000
7-16	03/09/89	BE	<	0.00030	MG/L	0.0000
7-16	06/02/89	BE	<	0.00040	MG/L	0.0000
7-16	08/29/89	BE	<	0.00050	MG/L	0.0000
7-16	12/02/88	CA		110.00000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-16	03/09/89	CA		87.40000	MG/L	0.0000
7-16	06/02/89	CA		120.00000	MG/L	0.0000
7-16	08/29/89	CA		130.00000	MG/L	0.0000
7-16	12/02/88	CD		0.00200	MG/L	0.0000
7-16	03/09/89	CD	<	0.00300	MG/L	0.0000
7-16	06/02/89	CD	<	0.00200	MG/L	0.0000
7-16	08/29/89	CD	<	0.00200	MG/L	0.0000
7-16	12/02/88	CHLORIDE		2.30000	MG/L	0.0000
7-16	03/09/89	CHLORIDE		2.10000	MG/L	0.0000
7-16	06/02/89	CHLORIDE		2.50000	MG/L	0.0000
7-16	08/29/89	CHLORIDE		3.40000	MG/L	0.0000
7-16	12/02/88	CO	<	0.00300	MG/L	0.0000
7-16	03/09/89	CO	<	0.00500	MG/L	0.0000
7-16	06/02/89	CO		0.00360	MG/L	0.0000
7-16	08/29/89	CO	<	0.00300	MG/L	0.0000
7-16	12/02/88	CR	<	0.00500	MG/L	0.0000
7-16	03/09/89	CR	<	0.01000	MG/L	0.0000
7-16	06/02/89	CR		0.00950	MG/L	0.0000
7-16	08/29/89	CR		0.03200	MG/L	0.0000
7-16	12/02/88	CU	<	0.01000	MG/L	0.0000
7-16	03/09/89	CU	<	0.00400	MG/L	0.0000
7-16	06/02/89	CU	<	0.01000	MG/L	0.0000
7-16	08/29/89	CU	<	0.00800	MG/L	0.0000
7-16	12/02/88	FE		0.18000	MG/L	0.0000
7-16	03/09/89	FE	<	0.00400	MG/L	0.0000
7-16	06/02/89	FE	<	0.01000	MG/L	0.0000
7-16	08/29/89	FE		0.10000	MG/L	0.0000
7-16	12/02/88	FLUORIDE	<	1.00000	MG/L	0.0000
7-16	03/09/89	FLUORIDE		1.00000	MG/L	0.0000
7-16	06/02/89	FLUORIDE		1.00000	MG/L	0.0000
7-16	08/29/89	FLUORIDE	<	1.00000	MG/L	0.0000
7-16	12/02/88	G-ALPHA		0.03000	BQ/L	0.0700
7-16	03/09/89	G-ALPHA		0.11000	BQ/L	0.0800
7-16	06/02/89	G-ALPHA		0.28000	BQ/L	0.4000
7-16	08/29/89	G-ALPHA		1.40000	BQ/L	1.5000
7-16	12/02/88	G-BETA		0.23000	BQ/L	0.0900
7-16	03/09/89	G-BETA		0.27000	BQ/L	0.1400
7-16	06/02/89	G-BETA		0.50000	BQ/L	1.2000
7-16	08/29/89	G-BETA		-1.20000	BQ/L	2.0000
7-16	12/02/88	GA	<	0.30000	MG/L	0.0000
7-16	12/02/88	HG	<	0.00010	UG/ML	0.0000
7-16	03/09/89	HG	<	0.00010	UG/ML	0.0000
7-16	06/02/89	HG	<	0.00010	UG/ML	0.0000
7-16	06/02/89	HG	<	0.00010	UG/ML	0.0000
7-16	08/29/89	HG	<	0.00010	UG/ML	0.0000
7-16	12/02/88	LI	<	0.20000	MG/L	0.0000
7-16	03/09/89	LI		0.07200	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-16	06/02/89	LI	<	15.00000	MG/L	0.0000
7-16	08/29/89	LI	<	15.00000	MG/L	0.0000
7-16	12/02/88	MG		47.00000	MG/L	0.0000
7-16	03/09/89	MG		44.30000	MG/L	0.0000
7-16	06/02/89	MG		50.00000	MG/L	0.0000
7-16	08/29/89	MG		53.00000	MG/L	0.0000
7-16	12/02/88	MN		0.13000	MG/L	0.0000
7-16	03/09/89	MN		0.11000	MG/L	0.0000
7-16	06/02/89	MN		0.54000	MG/L	0.0000
7-16	08/29/89	MN		0.39000	MG/L	0.0000
7-16	12/02/88	MO	<	0.04000	MG/L	0.0000
7-16	03/09/89	MO	<	0.01000	MG/L	0.0000
7-16	06/02/89	MO	<	0.04000	MG/L	0.0000
7-16	08/29/89	MO	<	0.04000	MG/L	0.0000
7-16	12/02/88	NA		23.00000	MG/L	0.0000
7-16	03/09/89	NA		23.50000	MG/L	0.0000
7-16	06/02/89	NA		26.00000	MG/L	0.0000
7-16	08/29/89	NA		26.00000	MG/L	0.0000
7-16	12/02/88	NI		0.01000	MG/L	0.0000
7-16	03/09/89	NI	<	0.01000	MG/L	0.0000
7-16	06/02/89	NI	<	0.00600	MG/L	0.0000
7-16	08/29/89	NI	<	0.00600	MG/L	0.0000
7-16	12/02/88	NITRATE	<	5.00000	MG/L	0.0000
7-16	03/09/89	NITRATE		770.00000	MG/L	0.0000
7-16	06/02/89	NITRATE	<	5.00000	MG/L	0.0000
7-16	08/29/89	NITRATE	<	5.00000	MG/L	0.0000
7-16	12/02/88	P	<	0.30000	MG/L	0.0000
7-16	03/09/89	P	<	0.20000	MG/L	0.0000
7-16	06/02/89	P	<	0.30000	MG/L	0.0000
7-16	08/29/89	P	<	0.30000	MG/L	0.0000
7-16	12/02/88	PB	<	0.05000	MG/L	0.0000
7-16	03/09/89	PB	<	0.05000	MG/L	0.0000
7-16	06/02/89	PB	<	0.03000	MG/L	0.0000
7-16	08/29/89	PB	<	0.03000	MG/L	0.0000
7-16	12/02/88	PHOSPHATE	<	5.00000	MG/L	0.0000
7-16	03/09/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-16	06/02/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-16	08/29/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-16	12/02/88	SB	<	0.03000	MG/L	0.0000
7-16	03/09/89	SB	<	0.03000	MG/L	0.0000
7-16	06/02/89	SB	<	0.04000	MG/L	0.0000
7-16	08/29/89	SB	<	0.04000	MG/L	0.0000
7-16	12/02/88	SE	<	0.06000	MG/L	0.0000
7-16	12/02/88	SE	<	0.00500	UG/ML	0.0000
7-16	03/09/89	SE	<	0.00500	UG/ML	0.0000
7-16	06/02/89	SE	<	0.00500	UG/ML	0.0000
7-16	08/29/89	SE	<	0.08000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-16	12/02/88	SI		9.00000	MG/L	0.0000
7-16	03/09/89	SI		10.00000	MG/L	0.0000
7-16	06/02/89	SI		9.10000	MG/L	0.0000
7-16	08/29/89	SI		8.70000	MG/L	0.0000
7-16	12/02/88	SN	<	0.05000	MG/L	0.0000
7-16	06/02/89	SN	<	0.05000	MG/L	0.0000
7-16	08/29/89	SN	<	0.05000	MG/L	0.0000
7-16	12/02/88	SR		0.42000	MG/L	0.0000
7-16	03/09/89	SR		0.33000	MG/L	0.0000
7-16	06/02/89	SR		0.43000	MG/L	0.0000
7-16	08/29/89	SR		0.45000	MG/L	0.0000
7-16	12/02/88	SULFATE		260.00000	MG/L	0.0000
7-16	03/09/89	SULFATE		270.00000	MG/L	0.0000
7-16	06/02/89	SULFATE		270.00000	MG/L	0.0000
7-16	08/29/89	SULFATE		360.00000	MG/L	0.0000
7-16	12/02/88	TI		0.02400	MG/L	0.0000
7-16	03/09/89	TI	<	0.00300	MG/L	0.0000
7-16	06/02/89	TI	<	0.02000	MG/L	0.0000
7-16	08/29/89	TI	<	0.02000	MG/L	0.0000
7-16	12/02/88	TOC		1.00000	UG/ML	0.0000
7-16	03/09/89	TOC		0.80000	UG/ML	0.0000
7-16	06/02/89	TOC		1.10000	UG/ML	0.0000
7-16	08/29/89	TOC		1.90000	UG/ML	0.0000
7-16	12/02/88	TOTAL URANIUM		0.00100	MG/L	0.0000
7-16	03/09/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
7-16	06/02/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
7-16	08/29/89	TOTAL URANIUM		0.00090	MG/L	0.0000
7-16	12/02/88	TOX	<	5.00000	UG/L	0.0000
7-16	03/09/89	TOX	<	5.00000	UG/L	0.0000
7-16	06/02/89	TOX	<	5.00000	UG/L	0.0000
7-16	08/29/89	TOX	<	5.00000	UG/L	0.0000
7-16	12/02/88	TRITIUM		6.00000	BQ/L	45.0000
7-16	03/09/89	TRITIUM		8.00000	BQ/L	32.0000
7-16	06/02/89	TRITIUM		23.00000	BQ/L	30.0000
7-16	08/29/89	TRITIUM		140.00000	BQ/L	40.0000
7-16	12/02/88	V		0.01200	MG/L	0.0000
7-16	03/09/89	V	<	0.00400	MG/L	0.0000
7-16	06/02/89	V	<	0.00400	MG/L	0.0000
7-16	08/29/89	V		0.00450	MG/L	0.0000
7-16	12/02/88	ZN		0.09300	MG/L	0.0000
7-16	03/09/89	ZN		0.04800	MG/L	0.0000
7-16	06/02/89	ZN	<	0.00800	MG/L	0.0000
7-16	08/29/89	ZN		0.01500	MG/L	0.0000
7-16	12/02/88	ZR	<	0.02000	MG/L	0.0000
7-16	03/09/89	ZR	<	0.00500	MG/L	0.0000
7-16	06/02/89	ZR	<	0.02000	MG/L	0.0000
7-16	08/29/89	ZR	<	0.02000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-4	12/05/88	AG	<	0.00500	MG/L	0.0000
7-4	03/09/89	AG	<	0.00600	MG/L	0.0000
7-4	06/02/89	AG	<	0.00500	MG/L	0.0000
7-4	08/29/89	AG	<	0.00500	MG/L	0.0000
7-4	12/05/88	AL		0.38000	MG/L	0.0000
7-4	03/09/89	AL	<	0.02000	MG/L	0.0000
7-4	06/02/89	AL		0.12000	MG/L	0.0000
7-4	08/29/89	AL		0.23000	MG/L	0.0000
7-4	12/05/88	ALKALINITY		257.50000	MG CACO3/L	0.0000
7-4	03/09/89	ALKALINITY		247.50000	MG CACO3/L	0.0000
7-4	06/02/89	ALKALINITY		217.50000	MG CACO3/L	0.0000
7-4	08/29/89	ALKALINITY		237.50000	MG CACO3/L	0.0000
7-4	12/05/88	AS	<	0.01000	UG/ML	0.0000
7-4	03/09/89	AS		0.08800	MG/L	0.0000
7-4	03/09/89	AS	<	0.01000	UG/ML	0.0000
7-4	06/01/89	AS	<	0.01000	UG/ML	0.0000
7-4	06/02/89	AS	<	0.05000	MG/L	0.0000
7-4	08/29/89	AS		0.08900	MG/L	0.0000
7-4	12/05/88	B	<	0.08000	MG/L	0.0000
7-4	03/09/89	B		0.01500	MG/L	0.0000
7-4	06/02/89	B	<	0.08000	MG/L	0.0000
7-4	08/29/89	B	<	0.08000	MG/L	0.0000
7-4	12/05/88	BA		0.10000	MG/L	0.0000
7-4	03/09/89	BA		0.09500	MG/L	0.0000
7-4	06/02/89	BA		0.11000	MG/L	0.0000
7-4	08/29/89	BA		0.10000	MG/L	0.0000
7-4	12/05/88	BE	<	0.00030	MG/L	0.0000
7-4	03/09/89	BE	<	0.00030	MG/L	0.0000
7-4	06/02/89	BE	<	0.00040	MG/L	0.0000
7-4	08/29/89	BE	<	0.00050	MG/L	0.0000
7-4	12/05/88	CA		89.00000	MG/L	0.0000
7-4	03/09/89	CA		67.20000	MG/L	0.0000
7-4	06/02/89	CA		80.00000	MG/L	0.0000
7-4	08/29/89	CA		87.00000	MG/L	0.0000
7-4	12/05/88	CD	<	0.00200	MG/L	0.0000
7-4	03/09/89	CD	<	0.00300	MG/L	0.0000
7-4	06/02/89	CD	<	0.00200	MG/L	0.0000
7-4	08/29/89	CD	<	0.00200	MG/L	0.0000
7-4	12/05/88	CHLORIDE		2.00000	MG/L	0.0000
7-4	03/09/89	CHLORIDE		2.70000	MG/L	0.0000
7-4	06/02/89	CHLORIDE		2.10000	MG/L	0.0000
7-4	08/29/89	CHLORIDE		2.20000	MG/L	0.0000
7-4	12/05/88	CO	<	0.00300	MG/L	0.0000
7-4	03/09/89	CO	<	0.00500	MG/L	0.0000
7-4	06/02/89	CO	<	0.00300	MG/L	0.0000
7-4	08/29/89	CO	<	0.00300	MG/L	0.0000
7-4	12/05/88	CR	<	0.00500	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-4	03/09/89	CR	<	0.01000	MG/L	0.0000
7-4	06/02/89	CR		0.00610	MG/L	0.0000
7-4	08/29/89	CR		0.01200	MG/L	0.0000
7-4	12/05/88	CU		0.01000	MG/L	0.0000
7-4	03/09/89	CU	<	0.00400	MG/L	0.0000
7-4	06/02/89	CU	<	0.01000	MG/L	0.0000
7-4	08/29/89	CU	<	0.00800	MG/L	0.0000
7-4	12/05/88	FE		0.03800	MG/L	0.0000
7-4	03/09/89	FE		0.03600	MG/L	0.0000
7-4	06/02/89	FE	<	0.01000	MG/L	0.0000
7-4	08/29/89	FE	<	0.01000	MG/L	0.0000
7-4	12/05/88	FLUORIDE	<	1.00000	MG/L	0.0000
7-4	03/09/89	FLUORIDE	<	1.00000	MG/L	0.0000
7-4	06/02/89	FLUORIDE	<	1.00000	MG/L	0.0000
7-4	08/29/89	FLUORIDE	<	1.00000	MG/L	0.0000
7-4	12/05/88	G-ALPHA		0.07000	BQ/L	0.2600
7-4	03/09/89	G-ALPHA		0.07400	BQ/L	0.0680
7-4	06/01/89	G-ALPHA		0.05000	BQ/L	0.0590
7-4	08/29/89	G-ALPHA		0.60000	BQ/L	1.0000
7-4	12/05/88	G-BETA		0.14000	BQ/L	0.4900
7-4	03/09/89	G-BETA		0.18000	BQ/L	0.1800
7-4	06/01/89	G-BETA		0.63000	BQ/L	0.1800
7-4	08/29/89	G-BETA		1.20000	BQ/L	2.7000
7-4	12/05/88	GA	<	0.30000	MG/L	0.0000
7-4	12/05/88	HG	<	0.00010	UG/ML	0.0000
7-4	03/09/89	HG	<	0.00010	UG/ML	0.0000
7-4	06/01/89	HG	<	0.00010	UG/ML	0.0000
7-4	08/29/89	HG	<	0.00010	UG/ML	0.0000
7-4	12/05/88	LI	<	0.20000	MG/L	0.0000
7-4	03/09/89	LI		0.00800	MG/L	0.0000
7-4	06/02/89	LI	<	15.00000	MG/L	0.0000
7-4	08/29/89	LI	<	15.00000	MG/L	0.0000
7-4	12/05/88	MG		10.00000	MG/L	0.0000
7-4	03/09/89	MG		8.00000	MG/L	0.0000
7-4	06/02/89	MG		8.50000	MG/L	0.0000
7-4	08/29/89	MG		8.30000	MG/L	0.0000
7-4	12/05/88	MN		0.00380	MG/L	0.0000
7-4	03/09/89	MN		0.00700	MG/L	0.0000
7-4	06/02/89	MN	<	0.00300	MG/L	0.0000
7-4	08/29/89	MN	<	0.00200	MG/L	0.0000
7-4	12/05/88	MO	<	0.04000	MG/L	0.0000
7-4	03/09/89	MO	<	0.01000	MG/L	0.0000
7-4	06/02/89	MO	<	0.04000	MG/L	0.0000
7-4	08/29/89	MO	<	0.04000	MG/L	0.0000
7-4	12/05/88	NA		4.40000	MG/L	0.0000
7-4	03/09/89	NA		3.60000	MG/L	0.0000
7-4	06/02/89	NA	<	2.00000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-4	08/29/89	NA	<	2.00000	MG/L	0.0000
7-4	12/05/88	NI		0.00800	MG/L	0.0000
7-4	03/09/89	NI	<	0.01000	MG/L	0.0000
7-4	06/02/89	NI	<	0.00600	MG/L	0.0000
7-4	08/29/89	NI	<	0.00600	MG/L	0.0000
7-4	12/05/88	NITRATE	<	5.00000	MG/L	0.0000
7-4	03/09/89	NITRATE	<	5.00000	MG/L	0.0000
7-4	06/02/89	NITRATE	<	5.00000	MG/L	0.0000
7-4	08/29/89	NITRATE	<	5.00000	MG/L	0.0000
7-4	12/05/88	P	<	0.30000	MG/L	0.0000
7-4	03/09/89	P	<	0.20000	MG/L	0.0000
7-4	06/02/89	P	<	0.30000	MG/L	0.0000
7-4	08/29/89	P	<	0.30000	MG/L	0.0000
7-4	12/05/88	PB	<	0.05000	MG/L	0.0000
7-4	03/09/89	PB	<	0.05000	MG/L	0.0000
7-4	06/02/89	PB	<	0.03000	MG/L	0.0000
7-4	08/29/89	PB	<	0.03000	MG/L	0.0000
7-4	12/05/88	PHOSPHATE	<	5.00000	MG/L	0.0000
7-4	03/09/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-4	06/02/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-4	08/29/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-4	12/05/88	SB	<	0.03000	MG/L	0.0000
7-4	03/09/89	SB	<	0.03000	MG/L	0.0000
7-4	06/02/89	SB	<	0.04000	MG/L	0.0000
7-4	08/29/89	SB	<	0.04000	MG/L	0.0000
7-4	12/05/88	SE	<	0.00500	UG/ML	0.0000
7-4	03/09/89	SE	<	0.00500	UG/ML	0.0000
7-4	06/01/89	SE	<	0.00500	UG/ML	0.0000
7-4	06/02/89	SE	<	0.08000	MG/L	0.0000
7-4	08/29/89	SE	<	0.08000	MG/L	0.0000
7-4	12/05/88	SI		5.20000	MG/L	0.0000
7-4	03/09/89	SI		5.40000	MG/L	0.0000
7-4	06/02/89	SI		5.40000	MG/L	0.0000
7-4	08/29/89	SI		5.70000	MG/L	0.0000
7-4	12/05/88	SN	<	0.05000	MG/L	0.0000
7-4	06/02/89	SN	<	0.05000	MG/L	0.0000
7-4	08/29/89	SN	<	0.05000	MG/L	0.0000
7-4	12/05/88	SR		0.14000	MG/L	0.0000
7-4	03/09/89	SR		0.08400	MG/L	0.0000
7-4	06/02/89	SR		0.11000	MG/L	0.0000
7-4	08/29/89	SR		0.12000	MG/L	0.0000
7-4	12/05/88	SULFATE		15.00000	MG/L	0.0000
7-4	03/09/89	SULFATE		12.00000	MG/L	0.0000
7-4	06/02/89	SULFATE		9.20000	MG/L	0.0000
7-4	08/29/89	SULFATE		9.90000	MG/L	0.0000
7-4	12/05/88	TI		0.02200	MG/L	0.0000
7-4	03/09/89	TI	<	0.00300	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-4	06/02/89	TI	<	0.02000	MG/L	0.0000
7-4	08/29/89	TI	<	0.02000	MG/L	0.0000
7-4	12/05/88	TOC		1.10000	UG/ML	0.0000
7-4	03/09/89	TOC		0.60000	UG/ML	0.0000
7-4	06/01/89	TOC		1.50000	UG/ML	0.0000
7-4	08/29/89	TOC		2.00000	UG/ML	0.0000
7-4	12/05/88	TOTAL URANIUM		0.00100	MG/L	0.0000
7-4	03/09/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
7-4	06/02/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
7-4	08/29/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
7-4	12/05/88	TOX	<	5.00000	UG/L	0.0000
7-4	03/09/89	TOX	<	5.00000	UG/L	0.0000
7-4	06/02/89	TOX	<	5.00000	UG/L	0.0000
7-4	08/29/89	TOX		5.00000	UG/L	0.0000
7-4	12/05/88	TRITIUM		25.00000	BQ/L	50.0000
7-4	03/09/89	TRITIUM		23.00000	BQ/L	33.0000
7-4	06/01/89	TRITIUM		51.00000	BQ/L	31.0000
7-4	08/29/89	TRITIUM		-120.00000	BQ/L	40.0000
7-4	12/05/88	V		0.00720	MG/L	0.0000
7-4	03/09/89	V	<	0.00400	MG/L	0.0000
7-4	06/02/89	V	<	0.00400	MG/L	0.0000
7-4	08/29/89	V	<	0.00300	MG/L	0.0000
7-4	12/05/88	ZN		0.01100	MG/L	0.0000
7-4	03/09/89	ZN		0.02000	MG/L	0.0000
7-4	06/02/89	ZN	<	0.00800	MG/L	0.0000
7-4	08/29/89	ZN		0.01700	MG/L	0.0000
7-4	12/05/88	ZR	<	0.02000	MG/L	0.0000
7-4	03/09/89	ZR	<	0.00500	MG/L	0.0000
7-4	06/02/89	ZR	<	0.02000	MG/L	0.0000
7-4	08/29/89	ZR	<	0.02000	MG/L	0.0000
7-5	12/05/88	AG	<	0.00500	MG/L	0.0000
7-5	03/10/89	AG	<	0.00600	MG/L	0.0000
7-5	06/02/89	AG	<	0.00500	MG/L	0.0000
7-5	08/29/89	AG	<	0.00500	MG/L	0.0000
7-5	12/05/88	AL		0.28000	MG/L	0.0000
7-5	03/10/89	AL	<	0.02000	MG/L	0.0000
7-5	06/02/89	AL	<	0.05000	MG/L	0.0000
7-5	08/29/89	AL		0.12000	MG/L	0.0000
7-5	12/05/88	ALKALINITY		202.50000	MG CACO3/L	0.0000
7-5	06/02/89	ALKALINITY		178.10000	MG CACO3/L	0.0000
7-5	08/29/89	ALKALINITY		196.50000	MG CACO3/L	0.0000
7-5	12/05/88	AS	<	0.01000	UG/ML	0.0000
7-5	03/10/89	AS	<	0.01000	UG/ML	0.0000
7-5	06/01/89	AS	<	0.01000	UG/ML	0.0000
7-5	08/29/89	AS		0.06200	MG/L	0.0000
7-5	12/05/88	B	<	0.08000	MG/L	0.0000
7-5	03/10/89	B		0.00900	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-5	06/02/89	B	<	0.08000	MG/L	0.0000
7-5	08/29/89	B	<	0.08000	MG/L	0.0000
7-5	12/05/88	BA		0.10000	MG/L	0.0000
7-5	03/10/89	BA		0.10000	MG/L	0.0000
7-5	06/02/89	BA		0.14000	MG/L	0.0000
7-5	08/29/89	BA		0.11000	MG/L	0.0000
7-5	12/05/88	BE	<	0.00030	MG/L	0.0000
7-5	03/10/89	BE	<	0.00030	MG/L	0.0000
7-5	06/02/89	BE	<	0.00040	MG/L	0.0000
7-5	08/29/89	BE	<	0.00050	MG/L	0.0000
7-5	12/05/88	CA		56.00000	MG/L	0.0000
7-5	03/10/89	CA		51.70000	MG/L	0.0000
7-5	06/02/89	CA		68.00000	MG/L	0.0000
7-5	08/29/89	CA		63.00000	MG/L	0.0000
7-5	12/05/88	CD	<	0.00200	MG/L	0.0000
7-5	03/10/89	CD	<	0.00300	MG/L	0.0000
7-5	06/02/89	CD	<	0.00200	MG/L	0.0000
7-5	08/29/89	CD	<	0.00200	MG/L	0.0000
7-5	12/05/88	CHLORIDE		1.00000	MG/L	0.0000
7-5	03/10/89	CHLORIDE		1.00000	MG/L	0.0000
7-5	06/02/89	CHLORIDE		1.00000	MG/L	0.0000
7-5	08/29/89	CHLORIDE		1.00000	MG/L	0.0000
7-5	12/05/88	CO	<	0.00300	MG/L	0.0000
7-5	03/10/89	CO	<	0.00500	MG/L	0.0000
7-5	06/02/89	CO		0.00440	MG/L	0.0000
7-5	08/29/89	CO	<	0.00300	MG/L	0.0000
7-5	12/05/88	CR		0.00990	MG/L	0.0000
7-5	03/10/89	CR	<	0.01000	MG/L	0.0000
7-5	06/02/89	CR		0.00580	MG/L	0.0000
7-5	08/29/89	CR		0.01000	MG/L	0.0000
7-5	12/05/88	CU		0.01000	MG/L	0.0000
7-5	03/10/89	CU	<	0.00400	MG/L	0.0000
7-5	06/02/89	CU	<	0.01000	MG/L	0.0000
7-5	08/29/89	CU	<	0.00800	MG/L	0.0000
7-5	12/05/88	FE		0.06400	MG/L	0.0000
7-5	03/10/89	FE		0.01200	MG/L	0.0000
7-5	06/02/89	FE	<	0.01000	MG/L	0.0000
7-5	08/29/89	FE	<	0.01000	MG/L	0.0000
7-5	12/05/88	FLUORIDE	<	1.00000	MG/L	0.0000
7-5	03/10/89	FLUORIDE	<	1.00000	MG/L	0.0000
7-5	06/02/89	FLUORIDE	<	1.00000	MG/L	0.0000
7-5	08/29/89	FLUORIDE	<	1.00000	MG/L	0.0000
7-5	12/05/88	G-ALPHA		0.24000	BQ/L	0.4500
7-5	03/10/89	G-ALPHA		0.04900	BQ/L	0.0580
7-5	06/01/89	G-ALPHA		0.00000	BQ/L	0.0430
7-5	08/29/89	G-ALPHA		0.22000	BQ/L	0.7300
7-5	12/05/88	G-BETA		0.09000	BQ/L	0.3800

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-5	03/10/89	G-BETA		0.12000	BQ/L	0.1200
7-5	06/01/89	G-BETA		0.15000	BQ/L	0.1400
7-5	08/29/89	G-BETA		0.30000	BQ/L	1.8000
7-5	12/05/88	GA	<	0.30000	MG/L	0.0000
7-5	12/05/88	HG	<	0.00010	UG/ML	0.0000
7-5	03/10/89	HG	<	0.00010	UG/ML	0.0000
7-5	06/01/89	HG	<	0.00010	UG/ML	0.0000
7-5	08/29/89	HG	<	0.00010	UG/ML	0.0000
7-5	12/05/88	LI	<	0.20000	MG/L	0.0000
7-5	03/10/89	LI		0.01000	MG/L	0.0000
7-5	06/02/89	LI	<	15.00000	MG/L	0.0000
7-5	08/29/89	LI	<	15.00000	MG/L	0.0000
7-5	12/05/88	MG		7.50000	MG/L	0.0000
7-5	03/10/89	MG		6.30000	MG/L	0.0000
7-5	06/02/89	MG		11.00000	MG/L	0.0000
7-5	08/29/89	MG		7.30000	MG/L	0.0000
7-5	12/05/88	MN		0.00760	MG/L	0.0000
7-5	03/10/89	MN		0.00800	MG/L	0.0000
7-5	06/02/89	MN		0.01600	MG/L	0.0000
7-5	08/29/89	MN		0.01200	MG/L	0.0000
7-5	12/05/88	MO	<	0.04000	MG/L	0.0000
7-5	03/10/89	MO	<	0.01000	MG/L	0.0000
7-5	06/02/89	MO	<	0.04000	MG/L	0.0000
7-5	08/29/89	MO	<	0.04000	MG/L	0.0000
7-5	12/05/88	NA		4.70000	MG/L	0.0000
7-5	03/10/89	NA		4.50000	MG/L	0.0000
7-5	06/02/89	NA		4.10000	MG/L	0.0000
7-5	08/29/89	NA	<	2.00000	MG/L	0.0000
7-5	12/05/88	NI		0.00670	MG/L	0.0000
7-5	03/10/89	NI	<	0.01000	MG/L	0.0000
7-5	06/02/89	NI	<	0.00600	MG/L	0.0000
7-5	08/29/89	NI	<	0.00600	MG/L	0.0000
7-5	12/05/88	NITRATE	<	5.00000	MG/L	0.0000
7-5	03/10/89	NITRATE	<	5.00000	MG/L	0.0000
7-5	06/02/89	NITRATE	<	5.00000	MG/L	0.0000
7-5	08/29/89	NITRATE	<	5.00000	MG/L	0.0000
7-5	12/05/88	P	<	0.30000	MG/L	0.0000
7-5	03/10/89	P	<	0.20000	MG/L	0.0000
7-5	06/02/89	P	<	0.30000	MG/L	0.0000
7-5	08/29/89	P	<	0.30000	MG/L	0.0000
7-5	12/05/88	PB	<	0.05000	MG/L	0.0000
7-5	03/10/89	PB	<	0.05000	MG/L	0.0000
7-5	06/02/89	PB	<	0.03000	MG/L	0.0000
7-5	08/29/89	PB	<	0.03000	MG/L	0.0000
7-5	12/05/88	PHOSPHATE	<	5.00000	MG/L	0.0000
7-5	03/10/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-5	06/02/89	PHOSPHATE	<	5.00000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-5	08/29/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-5	12/05/88	SB	<	0.03000	MG/L	0.0000
7-5	03/10/89	SB	<	0.03000	MG/L	0.0000
7-5	06/02/89	SB	<	0.04000	MG/L	0.0000
7-5	08/29/89	SB	<	0.04000	MG/L	0.0000
7-5	12/05/88	SE	<	0.00500	UG/ML	0.0000
7-5	03/10/89	SE	<	0.00500	UG/ML	0.0000
7-5	06/01/89	SE	<	0.00500	UG/ML	0.0000
7-5	06/02/89	SE	<	0.08000	MG/L	0.0000
7-5	08/29/89	SE	<	0.08000	MG/L	0.0000
7-5	12/05/88	SI		8.20000	MG/L	0.0000
7-5	03/10/89	SI		8.40000	MG/L	0.0000
7-5	06/02/89	SI		7.80000	MG/L	0.0000
7-5	08/29/89	SI		7.30000	MG/L	0.0000
7-5	12/05/88	SN	<	0.05000	MG/L	0.0000
7-5	06/02/89	SN	<	0.05000	MG/L	0.0000
7-5	08/29/89	SN	<	0.05000	MG/L	0.0000
7-5	12/05/88	SR		0.13000	MG/L	0.0000
7-5	03/10/89	SR		0.07600	MG/L	0.0000
7-5	06/02/89	SR		0.17000	MG/L	0.0000
7-5	08/29/89	SR		0.11000	MG/L	0.0000
7-5	12/05/88	SULFATE		13.00000	MG/L	0.0000
7-5	03/10/89	SULFATE		10.00000	MG/L	0.0000
7-5	06/02/89	SULFATE		16.00000	MG/L	0.0000
7-5	08/29/89	SULFATE		12.00000	MG/L	0.0000
7-5	12/05/88	TI	<	0.02000	MG/L	0.0000
7-5	03/10/89	TI	<	0.00300	MG/L	0.0000
7-5	06/02/89	TI	<	0.02000	MG/L	0.0000
7-5	08/29/89	TI	<	0.02000	MG/L	0.0000
7-5	12/05/88	TOC		0.90000	UG/ML	0.0000
7-5	03/10/89	TOC	<	0.50000	UG/ML	0.0000
7-5	06/01/89	TOC		0.70000	UG/ML	0.0000
7-5	06/01/89	TOC		0.70000	UG/ML	0.0000
7-5	08/29/89	TOC		1.10000	UG/ML	0.0000
7-5	12/05/88	TOTAL URANIUM		0.00100	MG/L	0.0000
7-5	03/10/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
7-5	06/02/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
7-5	08/29/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
7-5	12/05/88	TOX	<	5.00000	UG/L	0.0000
7-5	03/10/89	TOX	<	5.00000	UG/L	0.0000
7-5	06/02/89	TOX	<	5.00000	UG/L	0.0000
7-5	08/29/89	TOX	<	5.00000	UG/L	0.0000
7-5	12/05/88	TRITIUM		-1.00000	BQ/L	50.0000
7-5	03/10/89	TRITIUM		15.00000	BQ/L	32.0000
7-5	06/01/89	TRITIUM		6.00000	BQ/L	29.0000
7-5	08/29/89	TRITIUM		-120.00000	BQ/L	40.0000
7-5	12/05/88	V		0.00550	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-5	03/10/89	V	<	0.00400	MG/L	0.0000
7-5	06/02/89	V	<	0.00400	MG/L	0.0000
7-5	08/29/89	V	<	0.00300	MG/L	0.0000
7-5	12/05/88	ZN		0.01300	MG/L	0.0000
7-5	03/10/89	ZN		0.01700	MG/L	0.0000
7-5	06/02/89	ZN	<	0.00800	MG/L	0.0000
7-5	08/29/89	ZN		0.00540	MG/L	0.0000
7-5	12/05/88	ZR	<	0.02000	MG/L	0.0000
7-5	03/10/89	ZR	<	0.00500	MG/L	0.0000
7-5	06/02/89	ZR	<	0.02000	MG/L	0.0000
7-5	08/29/89	ZR	<	0.02000	MG/L	0.0000
7-7	12/02/88	AG	<	0.00500	MG/L	0.0000
7-7	03/10/89	AG	<	0.00600	MG/L	0.0000
7-7	06/02/89	AG	<	0.00500	MG/L	0.0000
7-7	08/29/89	AG	<	0.00500	MG/L	0.0000
7-7	12/02/88	AL		0.09200	MG/L	0.0000
7-7	03/10/89	AL		0.02300	MG/L	0.0000
7-7	06/02/89	AL	<	0.05000	MG/L	0.0000
7-7	08/29/89	AL	<	0.05000	MG/L	0.0000
7-7	12/02/88	ALKALINITY		235.00000	MG CACO3/L	0.0000
7-7	03/10/89	ALKALINITY		232.50000	MG CACO3/L	0.0000
7-7	06/02/89	ALKALINITY		222.50000	MG CACO3/L	0.0000
7-7	08/29/89	ALKALINITY		231.30000	MG CACO3/L	0.0000
7-7	12/02/88	AS	<	0.01000	UG/ML	0.0000
7-7	03/10/89	AS	<	0.01000	UG/ML	0.0000
7-7	06/01/89	AS	<	0.01000	UG/ML	0.0000
7-7	08/29/89	AS	<	0.05000	MG/L	0.0000
7-7	12/02/88	B		0.42000	MG/L	0.0000
7-7	03/10/89	B		0.42000	MG/L	0.0000
7-7	06/02/89	B		0.44000	MG/L	0.0000
7-7	08/29/89	B		0.34000	MG/L	0.0000
7-7	12/02/88	BA		0.20000	MG/L	0.0000
7-7	03/10/89	BA		0.18000	MG/L	0.0000
7-7	06/02/89	BA		0.19000	MG/L	0.0000
7-7	08/29/89	BA		0.28000	MG/L	0.0000
7-7	12/02/88	BE	<	0.00030	MG/L	0.0000
7-7	03/10/89	BE	<	0.00030	MG/L	0.0000
7-7	06/02/89	BE	<	0.00040	MG/L	0.0000
7-7	08/29/89	BE	<	0.00050	MG/L	0.0000
7-7	12/02/88	CA		7.60000	MG/L	0.0000
7-7	03/10/89	CA		6.80000	MG/L	0.0000
7-7	06/02/89	CA		7.30000	MG/L	0.0000
7-7	08/29/89	CA		8.60000	MG/L	0.0000
7-7	12/02/88	CD		0.00400	MG/L	0.0000
7-7	03/10/89	CD	<	0.00300	MG/L	0.0000
7-7	06/02/89	CD	<	0.00200	MG/L	0.0000
7-7	08/29/89	CD	<	0.00200	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-7	12/02/88	CHLORIDE		6.70000	MG/L	0.0000
7-7	03/10/89	CHLORIDE		8.70000	MG/L	0.0000
7-7	06/02/89	CHLORIDE		11.00000	MG/L	0.0000
7-7	08/29/89	CHLORIDE		7.80000	MG/L	0.0000
7-7	12/02/88	CO	<	0.00300	MG/L	0.0000
7-7	03/10/89	CO	<	0.00500	MG/L	0.0000
7-7	06/02/89	CO	<	0.00300	MG/L	0.0000
7-7	08/29/89	CO	<	0.00300	MG/L	0.0000
7-7	12/02/88	CR		0.01800	MG/L	0.0000
7-7	03/10/89	CR	<	0.01000	MG/L	0.0000
7-7	06/02/89	CR		0.00450	MG/L	0.0000
7-7	08/29/89	CR		0.01000	MG/L	0.0000
7-7	12/02/88	CU	<	0.01000	MG/L	0.0000
7-7	03/10/89	CU	<	0.00400	MG/L	0.0000
7-7	06/02/89	CU	<	0.01000	MG/L	0.0000
7-7	08/29/89	CU	<	0.00800	MG/L	0.0000
7-7	12/02/88	FE		0.14000	MG/L	0.0000
7-7	03/10/89	FE		0.11000	MG/L	0.0000
7-7	06/02/89	FE	<	0.01000	MG/L	0.0000
7-7	08/29/89	FE		0.01400	MG/L	0.0000
7-7	12/02/88	FLUORIDE		1.00000	MG/L	0.0000
7-7	03/10/89	FLUORIDE		1.00000	MG/L	0.0000
7-7	06/02/89	FLUORIDE		1.40000	MG/L	0.0000
7-7	08/29/89	FLUORIDE		1.00000	MG/L	0.0000
7-7	12/02/88	G-ALPHA		0.00000	BQ/L	0.0000
7-7	03/10/89	G-ALPHA		0.03600	BQ/L	0.0520
7-7	06/01/89	G-ALPHA		0.04400	BQ/L	0.0520
7-7	08/29/89	G-ALPHA		0.70000	BQ/L	1.1000
7-7	12/02/88	G-BETA		0.40000	BQ/L	0.1200
7-7	03/10/89	G-BETA		0.19000	BQ/L	0.1300
7-7	06/01/89	G-BETA		0.06000	BQ/L	0.1200
7-7	08/29/89	G-BETA		1.10000	BQ/L	2.0000
7-7	12/02/88	GA	<	0.30000	MG/L	0.0000
7-7	12/02/88	HG	<	0.00010	UG/ML	0.0000
7-7	03/10/89	HG	<	0.00010	UG/ML	0.0000
7-7	06/01/89	HG	<	0.00010	UG/ML	0.0000
7-7	08/29/89	HG	<	0.00010	UG/ML	0.0000
7-7	12/02/88	LI	<	0.20000	MG/L	0.0000
7-7	03/10/89	LI		0.04500	MG/L	0.0000
7-7	06/02/89	LI	<	15.00000	MG/L	0.0000
7-7	08/29/89	LI	<	15.00000	MG/L	0.0000
7-7	12/02/88	MG		8.40000	MG/L	0.0000
7-7	03/10/89	MG		8.00000	MG/L	0.0000
7-7	06/02/89	MG		8.40000	MG/L	0.0000
7-7	08/29/89	MG		10.00000	MG/L	0.0000
7-7	12/02/88	MN		0.00410	MG/L	0.0000
7-7	03/10/89	MN	<	0.00100	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-7	06/02/89	MN	<	0.00300	MG/L	0.0000
7-7	08/29/89	MN	<	0.00200	MG/L	0.0000
7-7	12/02/88	MO	<	0.04000	MG/L	0.0000
7-7	03/10/89	MO	<	0.01000	MG/L	0.0000
7-7	06/02/89	MO	<	0.04000	MG/L	0.0000
7-7	08/29/89	MO	<	0.04000	MG/L	0.0000
7-7	12/02/88	NA		92.00000	MG/L	0.0000
7-7	03/10/89	NA		84.40000	MG/L	0.0000
7-7	06/02/89	NA		110.00000	MG/L	0.0000
7-7	08/29/89	NA		92.00000	MG/L	0.0000
7-7	12/02/88	NI		0.01300	MG/L	0.0000
7-7	03/10/89	NI	<	0.01000	MG/L	0.0000
7-7	06/02/89	NI	<	0.00600	MG/L	0.0000
7-7	08/29/89	NI	<	0.00600	MG/L	0.0000
7-7	12/02/88	NITRATE	<	5.00000	MG/L	0.0000
7-7	03/10/89	NITRATE	<	5.00000	MG/L	0.0000
7-7	06/02/89	NITRATE	<	5.00000	MG/L	0.0000
7-7	08/29/89	NITRATE	<	5.00000	MG/L	0.0000
7-7	12/02/88	P	<	0.30000	MG/L	0.0000
7-7	03/10/89	P	<	0.20000	MG/L	0.0000
7-7	06/02/89	P	<	0.30000	MG/L	0.0000
7-7	08/29/89	P	<	0.30000	MG/L	0.0000
7-7	12/02/88	PB	<	0.05000	MG/L	0.0000
7-7	03/10/89	PB	<	0.05000	MG/L	0.0000
7-7	06/02/89	PB	<	0.03000	MG/L	0.0000
7-7	08/29/89	PB		0.05700	MG/L	0.0000
7-7	12/02/88	PHOSPHATE	<	5.00000	MG/L	0.0000
7-7	03/10/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-7	06/02/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-7	08/29/89	PHOSPHATE	<	5.00000	MG/L	0.0000
7-7	12/02/88	SB	<	0.03000	MG/L	0.0000
7-7	03/10/89	SB	<	0.03000	MG/L	0.0000
7-7	06/02/89	SB	<	0.04000	MG/L	0.0000
7-7	08/29/89	SB	<	0.04000	MG/L	0.0000
7-7	12/02/88	SE	<	0.00500	UG/ML	0.0000
7-7	03/10/89	SE	<	0.00500	UG/ML	0.0000
7-7	06/01/89	SE	<	0.00500	UG/ML	0.0000
7-7	08/29/89	SE	<	0.08000	MG/L	0.0000
7-7	12/02/88	SI		6.30000	MG/L	0.0000
7-7	03/10/89	SI		6.80000	MG/L	0.0000
7-7	06/02/89	SI		6.00000	MG/L	0.0000
7-7	08/29/89	SI		6.20000	MG/L	0.0000
7-7	12/02/88	SN	<	0.05000	MG/L	0.0000
7-7	06/02/89	SN	<	0.05000	MG/L	0.0000
7-7	08/29/89	SN	<	0.05000	MG/L	0.0000
7-7	12/02/88	SR		0.63000	MG/L	0.0000
7-7	03/10/89	SR		0.55000	MG/L	0.0000

Table 2.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
7-7	06/02/89	SR		0.58000	MG/L	0.0000
7-7	08/29/89	SR		0.71000	MG/L	0.0000
7-7	12/02/88	SULFATE		13.00000	MG/L	0.0000
7-7	03/10/89	SULFATE		11.00000	MG/L	0.0000
7-7	06/02/89	SULFATE		13.00000	MG/L	0.0000
7-7	08/29/89	SULFATE		14.00000	MG/L	0.0000
7-7	12/02/88	TI		0.02000	MG/L	0.0000
7-7	03/10/89	TI	<	0.00300	MG/L	0.0000
7-7	06/02/89	TI	<	0.02000	MG/L	0.0000
7-7	08/29/89	TI	<	0.02000	MG/L	0.0000
7-7	12/02/88	TOC		0.60000	UG/ML	0.0000
7-7	03/10/89	TOC	<	0.50000	UG/ML	0.0000
7-7	06/01/89	TOC		0.70000	UG/ML	0.0000
7-7	08/29/89	TOC		1.20000	UG/ML	0.0000
7-7	12/02/88	TOTAL URANIUM		0.00100	MG/L	0.0000
7-7	03/10/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
7-7	06/02/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
7-7	08/29/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
7-7	12/02/88	TOX	<	5.00000	UG/L	0.0000
7-7	03/10/89	TOX	<	5.00000	UG/L	0.0000
7-7	06/02/89	TOX	<	5.00000	UG/L	0.0000
7-7	08/29/89	TOX	<	5.00000	UG/L	0.0000
7-7	12/02/88	TRITIUM		11.00000	BQ/L	44.0000
7-7	03/10/89	TRITIUM		-10.00000	BQ/L	31.0000
7-7	06/01/89	TRITIUM		6.00000	BQ/L	29.0000
7-7	08/29/89	TRITIUM		-150.00000	BQ/L	40.0000
7-7	12/02/88	V		0.00630	MG/L	0.0000
7-7	03/10/89	V	<	0.00400	MG/L	0.0000
7-7	06/02/89	V	<	0.00400	MG/L	0.0000
7-7	08/29/89	V	<	0.00300	MG/L	0.0000
7-7	12/02/88	ZN		0.03600	MG/L	0.0000
7-7	03/10/89	ZN		0.00900	MG/L	0.0000
7-7	06/02/89	ZN	<	0.00800	MG/L	0.0000
7-7	08/29/89	ZN		0.00880	MG/L	0.0000
7-7	12/02/88	ZR	<	0.02000	MG/L	0.0000
7-7	03/10/89	ZR	<	0.00500	MG/L	0.0000
7-7	06/02/89	ZR	<	0.02000	MG/L	0.0000
7-7	08/29/89	ZR	<	0.02000	MG/L	0.0000

*Explanation of data qualifiers (QL): "U" indicates compound was analyzed for but not detected. "J" indicates that the quantitative value is estimated. "B" appears for a compound that was detected in both the sample and its associated blank. "E" indicates that the reported concentration of the compound exceeded the calibration range of the instrument.

**The uncertainty value was determined only for the radiological parameters and is a measure of decay counting statistics for the analyses.

Table 2.8

PRECIPITATION SUMMARY, JANUARY -- DECEMBER 1988
CENTER 7 CREEK WATERSHED: SITE ID = SW7
Precipitation in mm

DAY	JAN88	FEB88	MAR88	APR88	MAY88	JUN88	JUL88	AUG88	SEP88	OCT88	NOV88	DEC88
1	12.45	0.00	0.00	7.89	0.00	0.00	0.00	0.00	0.00	12.85	0.00	0.00
2	0.00	12.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.82	0.00	0.00
3	8.13	14.23	1.02	5.08	6.87	0.00	5.20	0.00	23.38	0.00	0.00	0.00
4	0.00	13.96	7.11	0.00	9.00	0.00	0.00	24.13	70.88	0.00	46.71	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	18.71	0.00
6	0.00	0.00	0.00	17.77	0.00	0.00	0.00	3.31	0.00	0.00	0.58	0.00
7	17.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00
9	0.00	0.00	3.56	0.00	10.54	11.81	0.00	0.00	0.00	0.00	0.00	10.42
10	0.00	0.00	53.86	0.00	3.30	0.00	0.00	0.00	0.00	0.00	6.98	0.51
11	0.00	4.32	0.00	1.79	0.00	0.00	2.31	0.13	0.00	0.00	0.00	0.00
12	0.89	0.00	13.84	4.70	0.00	0.00	51.66	0.00	0.00	0.00	2.42	0.00
13	1.27	0.00	0.00	0.00	0.00	0.00	52.06	0.00	0.00	0.00	1.14	0.00
14	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	16.37	0.00	5.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	13.96	0.00	7.62	0.00	12.19	0.00
17	17.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.53	4.82	0.00	0.00
18	0.00	0.00	2.80	18.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	76.97	5.07	0.00	4.96	0.00	0.00	0.00	5.34	0.00	0.00	20.46	0.00
20	0.00	0.00	0.00	0.00	0.00	0.76	0.00	17.78	0.00	2.41	17.14	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	30.72	0.00	0.00	9.40	0.00	18.92
22	0.00	0.00	0.00	0.00	1.01	0.00	0.77	0.00	0.00	0.00	0.00	0.00
23	0.00	4.96	0.00	3.17	0.00	0.00	1.00	3.68	0.00	3.55	0.00	10.93
24	0.73	0.00	0.00	0.89	19.32	0.00	0.00	0.00	7.36	0.00	0.00	14.23
25	0.91	0.00	1.52	0.00	1.53	7.62	0.00	0.00	0.00	2.29	0.00	0.00
26	0.00	0.00	2.54	0.00	0.00	0.00	27.43	0.00	0.00	0.00	7.49	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.32	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.86	0.00	9.14
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	.	0.51	0.00	0.00	3.80	0.00	0.00	0.00	1.02	0.00	17.28
31	0.63	.	0.52	.	0.00	.	0.00	0.00	.	2.04	.	31.00
	======	======	======	======	======	======	======	======	======	======	======	======
TOTAL (mm)	138.86	71.49	87.28	69.74	53.35	23.99	185.11	55.64	134.77	50.06	154.90	112.43
TOTAL (in)	5.47	2.81	3.44	2.75	2.10	0.94	7.29	2.19	5.31	1.97	6.10	4.43

1988 TOTAL (mm): 1137.62
1988 TOTAL (in): 44.79

Table 2.9. Precipitation summary, January - August 1989
Center 7 Creek Watershed: Site ID = SW7
Precipitation (daily totals), measured in mm

Date	Rainfall	Date	Rainfall	Date	Rainfall
01/01/89	1.7700	01/02/89	2.0400	01/03/89	0.0000
01/04/89	0.0000	01/05/89	4.5700	01/06/89	10.6800
01/07/89	0.0000	01/08/89	29.2200	01/09/89	0.0000
01/10/89	2.4100	01/11/89	29.7000	01/12/89	44.3100
01/13/89	8.3800	01/14/89	23.1100	01/15/89	0.0000
01/16/89	0.0000	01/17/89	0.0000	01/18/89	0.0000
01/19/89	0.0000	01/20/89	0.0000	01/21/89	0.0000
01/22/89	0.0000	01/23/89	0.0000	01/24/89	0.0000
01/25/89	0.0000	01/26/89	2.0300	01/27/89	0.0000
01/28/89	0.0000	01/29/89	1.0200	01/30/89	10.9100
01/31/89	0.0000	02/01/89	0.0000	02/02/89	0.0000
02/03/89	1.7800	02/04/89	0.0000	02/05/89	15.3700
02/06/89	14.8600	02/07/89	3.0400	02/08/89	0.0000
02/09/89	0.0000	02/10/89	0.0000	02/11/89	0.0000
02/12/89	0.0000	02/13/89	0.5000	02/14/89	9.3900
02/15/89	0.0000	02/16/89	5.8600	02/17/89	32.3900
02/18/89	6.4800	02/19/89	0.0000	02/20/89	13.7300
02/21/89	20.3200	02/22/89	0.0000	02/23/89	0.0000
02/24/89	0.0000	02/25/89	0.0000	02/26/89	0.0000
02/27/89	25.3900	02/28/89	0.3800	03/01/89	0.0000
03/02/89	0.0000	03/03/89	0.0000	03/04/89	11.0400
03/05/89	25.4100	03/06/89	2.5400	03/07/89	0.0000
03/08/89	0.0000	03/09/89	0.0000	03/10/89	0.0000
03/11/89	0.0000	03/12/89	0.0000	03/13/89	0.0000
03/14/89	0.0000	03/15/89	0.7600	03/16/89	0.0000
03/17/89	0.0000	03/18/89	13.2100	03/19/89	0.0000
03/20/89	11.4300	03/21/89	12.3300	03/22/89	0.0000
03/23/89	11.5600	03/24/89	0.0000	03/25/89	0.0000
03/26/89	0.0000	03/27/89	0.0000	03/28/89	0.0000
03/29/89	0.2600	03/30/89	31.2400	03/31/89	12.4400
04/01/89	0.0000	04/02/89	0.1300	04/03/89	5.8300
04/04/89	23.9800	04/05/89	0.0000	04/06/89	0.0000
04/07/89	3.8100	04/08/89	9.2900	04/09/89	0.0000
04/10/89	0.0000	04/11/89	0.0000	04/12/89	0.0000
04/13/89	0.0000	04/14/89	1.7800	04/15/89	5.0900
04/16/89	0.0000	04/17/89	0.0000	04/18/89	0.0000
04/19/89	0.0000	04/20/89	0.0000	04/21/89	0.0000
04/22/89	0.0000	04/23/89	2.2900	04/24/89	2.9200
04/25/89	0.0000	04/26/89	0.0000	04/27/89	1.0200
04/28/89	0.0000	04/29/89	5.9700	04/30/89	0.0000
05/01/89	12.4500	05/02/89	0.0000	05/03/89	0.0000
05/04/89	7.4900	05/05/89	39.4900	05/06/89	2.4100
05/07/89	0.0000	05/08/89	2.5400	05/09/89	21.4700
05/10/89	0.0000	05/11/89	0.0000	05/12/89	0.0000

Table 2.9 (continued)

Date	Rainfall	Date	Rainfall	Date	Rainfall
05/13/89	0.0000	05/14/89	0.0000	05/15/89	0.3800
05/16/89	0.0000	05/17/89	0.0000	05/18/89	0.0000
05/19/89	2.8000	05/20/89	26.4100	05/21/89	0.0000
05/22/89	1.0200	05/23/89	3.5500	05/24/89	0.0000
05/25/89	0.0000	05/26/89	27.6900	05/27/89	13.4600
05/28/89	0.0000	05/29/89	0.0000	05/30/89	0.0000
05/31/89	0.0000	06/01/89	0.0000	06/02/89	0.0000
06/03/89	0.0000	06/04/89	3.8100	06/05/89	14.2200
06/06/89	11.9500	06/07/89	0.0000	06/08/89	10.9200
06/09/89	19.5600	06/10/89	0.0000	06/11/89	0.0000
06/12/89	25.0100	06/13/89	10.0400	06/14/89	2.4100
06/15/89	37.2000	06/16/89	13.8400	06/17/89	0.0000
06/18/89	0.0000	06/19/89	3.1700	06/20/89	29.2000
06/21/89	6.3500	06/22/89	18.0300	06/23/89	0.0000
06/24/89	0.0000	06/25/89	0.0000	06/26/89	0.0000
06/27/89	0.0000	06/28/89	16.6400	06/29/89	0.0000
06/30/89	0.0000	07/01/89	3.1800	07/02/89	6.2300
07/03/89	18.2900	07/04/89	5.7100	07/05/89	0.0000
07/06/89	27.1700	07/07/89	0.0000	07/08/89	0.0000
07/09/89	0.0000	07/10/89	0.0000	07/11/89	0.0000
07/12/89	3.8100	07/13/89	1.0100	07/14/89	0.0000
07/15/89	0.0000	07/16/89	3.3000	07/17/89	0.0000
07/18/89	0.0000	07/19/89	7.6200	07/20/89	0.0000
07/21/89	6.6100	07/22/89	1.0100	07/23/89	0.5100
07/24/89	0.0000	07/25/89	0.0000	07/26/89	0.0000
07/27/89	0.0000	07/28/89	6.6000	07/29/89	0.0000
07/30/89	5.0900	07/31/89	2.5400	08/01/89	31.9900
08/02/89	0.0000	08/03/89	0.0000	08/04/89	0.0000
08/05/89	0.0000	08/06/89	1.5300	08/07/89	0.0000
08/08/89	0.0000	08/09/89	0.0000	08/10/89	0.0000
08/11/89	0.0000	08/12/89	0.0000	08/13/89	0.0000
08/14/89	0.0000	08/15/89	1.1500	08/16/89	0.0000
08/17/89	6.3500	08/18/89	0.0000	08/19/89	0.0000
08/20/89	0.0000	08/21/89	0.0000	08/22/89	0.0000
08/23/89	24.2600	08/24/89	2.5400	08/25/89	0.0000
08/26/89	24.7700	08/27/89	0.0000	08/28/89	0.0000
08/29/89	0.0000	08/30/89	0.1300	08/31/89	0.0000

Table 2.10. Surface water discharge summary
Average daily flows in cfs
SWSA 7 site, January-December 1988
(four collection points)*

Date	East	Cent	West	USGS
01/01/88	0.1700	0.1000	0.1300	0.3300
01/02/88	0.1200	0.0700	0.0700	0.2200
01/03/88	0.0600	0.0500	0.0300	0.1100
01/04/88	0.1400	0.0800	0.0900	0.2200
01/05/88	0.0700	0.0400	0.0300	0.1100
01/06/88	0.0600	0.0400	0.0100	0.0700
01/07/88	0.0600	0.0400	0.0100	0.0700
01/08/88	0.0600	0.0400	0.0100	0.0600
01/09/88	0.0600	0.0400	0.0100	0.0600
01/10/88	0.0600	0.0400	0.0100	0.0500
01/11/88	0.0600	0.0400	0.0100	0.0500
01/12/88	0.0600	0.0300	0.0100	0.0500
01/13/88	0.0600	0.0300	0.0200	0.0500
01/14/88	0.0600	0.0300	0.0200	0.0500
01/15/88	0.0600	0.0300	0.0200	0.0500
01/16/88	0.0600	0.0200	0.0100	0.0500
01/17/88	0.0600	0.0700	0.1000	0.0800
01/18/88	0.9600	0.3700	0.5300	1.3000
01/19/88	4.8000	2.0000	3.8000	16.0000
01/20/88	6.1000	2.1000	4.1000	17.0000
01/21/88	0.5700	0.1800	0.3500	1.3000
01/22/88	0.2600	0.0900	0.1500	0.5700
01/23/88	0.1500	0.0600	0.0900	0.3200
01/24/88	0.1000	0.0500	0.0600	0.2200
01/25/88	0.0900	0.0400	0.0500	0.1800
01/26/88	0.0800	0.0300	0.0300	0.1100
01/27/88	0.0800	0.0300	0.0200	0.1000
01/28/88	0.0700	0.0200	0.0200	0.0900
01/29/88	0.0600	0.0200	0.0200	0.0700
01/30/88	0.0500	0.0200	0.0200	0.0700
01/31/88	0.0500	0.0200	0.0200	0.0700
02/01/88	0.0500	0.0200	0.0200	0.0700
02/02/88	0.1200	0.0500	0.1000	0.2000
02/03/88	0.2800	0.0800	0.1900	0.4800
02/04/88	2.9000	0.8700	1.8000	4.8000
02/05/88	0.6200	0.2100	0.4700	1.4000
02/06/88	0.3000	0.0900	0.1800	0.6200
02/07/88	0.2400	0.0700	0.1100	0.4100
02/08/88	0.1400	0.0500	0.0900	0.2800
02/09/88	0.1100	0.0400	0.0600	0.2100
02/10/88	0.0900	0.0400	0.0500	0.1700
02/11/88	0.0800	0.0300	0.0500	0.1400
02/12/88	0.0900	0.0400	0.0500	0.1500

Table 2.10 (continued)

Date	East	Cent	West	USGS
02/13/88	0.0800	0.0300	0.0300	0.1000
02/14/88	0.0600	0.0300	0.0300	0.1000
02/15/88	0.3400	0.1000	0.2300	0.6200
02/16/88	0.2900	0.0900	0.1900	0.5200
02/17/88	0.2000	0.0700	0.1400	0.3300
02/18/88	0.1500	0.0600	0.1100	0.2600
02/19/88	0.1800	0.0700	0.1400	0.3100
02/20/88	0.1700	0.0600	0.1100	0.2800
02/21/88	0.1200	0.0500	0.0700	0.1900
02/22/88	0.1000	0.0400	0.0700	0.1700
02/23/88	0.1200	0.0400	0.0800	0.2000
02/24/88	0.1200	0.0400	0.0700	0.1800
02/25/88	0.1000	0.0300	0.0500	0.1400
02/26/88	0.0900	0.0300	0.0500	0.1300
02/27/88	0.0900	0.0300	0.0500	0.1300
02/28/88	0.0700	0.0300	0.0400	0.1100
02/29/88	0.0700	0.0200	0.0400	0.1000
03/01/88	0.0600	0.0200	0.0300	0.1000
03/02/88	0.0500	0.0200	0.0300	0.1000
03/03/88	0.0600	0.0200	0.0400	0.1000
03/04/88	0.1000	0.0400	0.0600	0.1700
03/05/88	0.0900	0.0300	0.0400	0.1200
03/06/88	0.0700	0.0200	0.0300	0.1000
03/07/88	0.0600	0.0200	0.0300	0.0800
03/08/88	0.0600	0.0200	0.0200	0.0700
03/09/88	0.0800	0.0300	0.0400	0.0900
03/10/88	7.2000	2.3000	4.3000	14.0000
03/11/88	0.9700	0.2800	0.6600	2.1000
03/12/88	0.7800	0.2100	0.5400	1.6000
03/13/88	1.1000	0.3100	0.7200	2.1000
03/14/88	0.4900	0.1600	0.3800	1.2000
03/15/88	0.2900	0.1000	0.2000	0.7000
03/16/88	0.2100	0.0700	0.1400	0.4600
03/17/88	0.1600	0.0500	0.1000	0.3500
03/18/88	0.1500	0.0500	0.1000	0.3200
03/19/88	0.1500	0.0500	0.0900	0.2900
03/20/88	0.1100	0.0400	0.0800	0.2300
03/21/88	0.1000	0.0300	0.0700	0.1900
03/22/88	0.0900	0.0300	0.0400	0.1700
03/23/88	0.0800	0.0300	0.0400	0.1300
03/24/88	0.0700	0.0300	0.0400	0.1300
03/25/88	0.0800	0.0300	0.0400	0.1300
03/26/88	0.0800	0.0300	0.0500	0.1300
03/27/88	0.0700	0.0300	0.0400	0.1100
03/28/88	0.0600	0.0200	0.0300	0.1000

Table 2.10 (continued)

Date	East	Cent	West	USGS
03/29/88	0.0500	0.0200	0.0300	0.1000
03/30/88	0.0500	0.0200	0.0300	0.1000
03/31/88	0.0500	0.0200	0.0300	0.0900
04/01/88	0.0700	0.0300	0.0600	0.1200
04/02/88	0.1100	0.0300	0.0600	0.1600
04/03/88	0.1000	0.0300	0.0600	0.1600
04/04/88	0.1200	0.0300	0.0700	0.1800
04/05/88	0.0900	0.0300	0.0500	0.1200
04/06/88	0.5700	0.1500	0.3800	0.8400
04/07/88	0.4100	0.1500	0.3300	0.6200
04/08/88	0.2400	0.0900	0.2000	0.3500
04/09/88	0.1700	0.0600	0.1400	0.2400
04/10/88	0.1300	0.0500	0.1100	0.1900
04/11/88	0.1100	0.0400	0.1000	0.1700
04/12/88	0.1400	0.0500	0.1600	0.2100
04/13/88	0.1200	0.0400	0.0800	0.1600
04/14/88	0.0900	0.0300	0.0500	0.1300
04/15/88	0.1000	0.0400	0.0600	0.1400
04/16/88	0.1100	0.0400	0.0600	0.1500
04/17/88	0.0900	0.0300	0.0500	0.1200
04/18/88	0.6200	0.1400	0.3300	0.9900
04/19/88	0.6800	0.1900	0.4100	1.2000
04/20/88	0.3800	0.1300	0.2700	0.7100
04/21/88	0.2400	0.0900	0.1700	0.4500
04/22/88	0.1600	0.0600	0.1200	0.3100
04/23/88	0.1500	0.0500	0.1100	0.2800
04/24/88	0.1200	0.0400	0.0600	0.2100
04/25/88	0.0800	0.0300	0.0400	0.1600
04/26/88	0.0700	0.0200	0.0300	0.1300
04/27/88	0.0600	0.0200	0.0200	0.1100
04/28/88	0.0400	0.0100	0.0200	0.1000
04/29/88	0.0400	0.0100	0.0100	0.0900
04/30/88	0.0300	0.0100	0.0100	0.0700
05/01/88	0.0300	0.0100	0.0100	0.0700
05/02/88	0.0300	0.0100	0.0100	0.0600
05/03/88	0.0300	0.0100	0.0100	0.0700
05/04/88	0.0800	0.0400	0.0600	0.1400
05/05/88	0.0600	0.0300	0.0200	0.0800
05/06/88	0.0400	0.0200	0.0100	0.0600
05/07/88	0.0300	0.0200	0.0000	0.0500
05/08/88	0.0300	0.0200	0.0000	0.0400
05/09/88	0.0500	0.0300	0.0200	0.0900
05/10/88	0.0400	0.0200	0.0100	0.0700
05/11/88	0.0400	0.0200	0.0100	0.0600
05/12/88	0.0300	0.0200	0.0100	0.0400

Table 2.10 (continued)

Date	East	Cent	West	USGS
05/13/88	0.0200	0.0100	0.0000	0.0300
05/14/88	0.0100	0.0100	0.0000	0.0300
05/15/88	0.0100	0.0100	0.0000	0.0400
05/16/88	0.0100	0.0100	0.0000	0.0300
05/17/88	0.0100	0.0100	0.0000	0.0100
05/18/88	0.0100	0.0100	0.0000	0.0100
05/19/88	0.0100	0.0100	0.0000	0.0100
05/20/88	0.0000	0.0000	0.0000	0.0100
05/21/88	0.0000	0.0000	0.0000	0.0100
05/22/88	0.0000	0.0000	0.0000	0.0000
05/23/88	0.0000	0.0000	0.0000	0.0000
05/24/88	0.0100	0.0200	0.0000	0.0200
05/25/88	0.0100	0.0200	0.0000	0.1100
05/26/88	0.0000	0.0000	0.0000	0.0700
05/27/88	0.0000	0.0000	0.0000	0.0600
05/28/88	0.0000	0.0000	0.0000	0.0500
05/29/88	0.0000	0.0000	0.0000	0.0400
05/30/88	0.0000	0.0000	0.0000	0.0100
05/31/88	0.0000	0.0000	0.0000	0.0100
06/01/88	0.0000	0.0000	0.0000	0.0000
06/02/88	0.0000	0.0000	0.0000	0.0000
06/03/88	0.0000	0.0000	0.0000	0.0000
06/04/88	0.0000	0.0000	0.0000	0.0000
06/05/88	0.0000	0.0000	0.0000	0.0000
06/06/88	0.0000	0.0000	0.0000	0.0000
06/07/88	0.0000	0.0000	0.0000	0.0000
06/08/88	0.0000	0.0000	0.0000	0.0000
06/09/88	0.0000	0.0000	0.0000	0.0000
06/10/88	0.0000	0.0000	0.0000	0.0000
06/11/88	0.0000	0.0000	0.0000	0.0000
06/12/88	0.0000	0.0000	0.0000	0.0000
06/13/88	0.0000	0.0000	0.0000	0.0000
06/14/88	0.0000	0.0000	0.0000	0.0000
06/15/88	0.0000	0.0000	0.0000	0.0000
06/16/88	0.0000	0.0000	0.0000	0.0000
06/17/88	0.0000	0.0000	0.0000	0.0000
06/18/88	0.0000	0.0000	0.0000	0.0000
06/19/88	0.0000	0.0000	0.0000	0.0000
06/20/88	0.0000	0.0000	0.0000	0.0000
06/21/88	0.0000	0.0000	0.0000	0.0000
06/22/88	0.0000	0.0000	0.0000	0.0000
06/23/88	0.0000	0.0000	0.0000	0.0000
06/24/88	0.0000	0.0000	0.0000	0.0000
06/25/88	0.0000	0.0000	0.0000	0.0000
06/26/88	0.0000	0.0000	0.0000	0.0000

Table 2.10 (continued)

Date	East	Cent	West	USGS
06/27/88	0.0000	0.0000	0.0000	0.0000
06/28/88	0.0000	0.0000	0.0000	0.0000
06/29/88	0.0000	0.0000	0.0000	0.0000
06/30/88	0.0000	0.0000	0.0000	0.0000
07/01/88	0.0000	0.0000	0.0000	0.0000
07/02/88	0.0000	0.0000	0.0000	0.0000
07/03/88	0.0000	0.0000	0.0000	0.0000
07/04/88	0.0000	0.0000	0.0000	0.0000
07/05/88	0.0000	0.0000	0.0000	0.0000
07/06/88	0.0000	0.0000	0.0000	0.0000
07/07/88	0.0000	0.0000	0.0000	0.0000
07/08/88	0.0000	0.0000	0.0000	0.0000
07/09/88	0.0000	0.0000	0.0000	0.0000
07/10/88	0.0000	0.0000	0.0000	0.0000
07/11/88	0.0000	0.0000	0.0000	0.0000
07/12/88	0.0000	0.0200	0.0200	0.0000
07/13/88	0.2000	0.1500	0.1800	0.3400
07/14/88	0.0400	0.0200	0.0100	0.0500
07/15/88	0.0100	0.0000	0.0000	0.0000
07/16/88	0.0000	0.0000	0.0000	0.0000
07/17/88	0.0100	0.0000	0.0000	0.0000
07/18/88	0.0000	0.0000	0.0000	0.0000
07/19/88	0.0000	0.0000	0.0000	0.0000
07/20/88	0.0000	0.0000	0.0000	0.0000
07/21/88	0.0600	0.0500	0.0400	0.0500
07/22/88	0.0400	0.0100	0.0000	0.0300
07/23/88	0.0100	0.0000	0.0000	0.0100
07/24/88	0.0100	0.0000	0.0000	0.0000
07/25/88	0.0000	0.0000	0.0000	0.0000
07/26/88	0.0800	0.0700	0.0800	0.1000
07/27/88	0.0900	0.0300	0.0200	0.1000
07/28/88	0.0100	0.0100	0.0000	0.0400
07/29/88	0.0100	0.0000	0.0000	0.0200
07/30/88	0.0000	0.0000	0.0000	0.0100
07/31/88	0.0000	0.0000	0.0000	0.0000
08/01/88	0.0000	0.0000	0.0000	0.0000
08/02/88	0.0000	0.0000	0.0000	0.0000
08/03/88	0.0000	0.0000	0.0000	0.0000
08/04/88	0.0000	0.0200	0.0200	0.0000
08/05/88	0.0100	0.0100	0.0000	0.0100
08/06/88	0.0000	0.0000	0.0000	0.0000
08/07/88	0.0000	0.0000	0.0000	0.0000
08/08/88	0.0000	0.0000	0.0000	0.0000
08/09/88	0.0000	0.0000	0.0000	0.0000
08/10/88	0.0000	0.0000	0.0000	0.0000

Table 2.10 (continued)

Date	East	Cent	West	USGS
08/11/88	0.0000	0.0000	0.0000	0.0000
08/12/88	0.0000	0.0000	0.0000	0.0000
08/13/88	0.0000	0.0000	0.0000	0.0000
08/14/88	0.0000	0.0000	0.0000	0.0000
08/15/88	0.0000	0.0000	0.0000	0.0000
08/16/88	0.0000	0.0000	0.0000	0.0000
08/17/88	0.0000	0.0000	0.0000	0.0000
08/18/88	0.0000	0.0000	0.0000	0.0000
08/19/88	0.0000	0.0000	0.0000	0.0000
08/20/88	0.0000	0.0000	0.0000	0.0000
08/21/88	0.0000	0.0000	0.0000	0.0000
08/22/88	0.0000	0.0000	0.0000	0.0000
08/23/88	0.0000	0.0000	0.0000	0.0000
08/24/88	0.0000	0.0000	0.0000	0.0000
08/25/88	0.0000	0.0000	0.0000	0.0000
08/26/88	0.0000	0.0000	0.0000	0.0000
08/27/88	0.0000	0.0000	0.0000	0.0000
08/28/88	0.0000	0.0000	0.0000	0.0000
08/29/88	0.0000	0.0000	0.0000	0.0000
08/30/88	0.0000	0.0000	0.0000	0.0000
08/31/88	0.0000	0.0000	0.0000	0.0000
09/01/88	0.0000	0.0000	0.0000	0.0000
09/02/88	0.0000	0.0000	0.0000	0.0000
09/03/88	0.0000	0.0000	0.0000	0.0000
09/04/88	0.9000	0.4000	0.5100	0.9500
09/05/88	0.0700	0.0200	0.0100	0.0300
09/06/88	0.0100	0.0100	0.0000	0.0000
09/07/88	0.0000	0.0000	0.0000	0.0000
09/08/88	0.0000	0.0000	0.0000	0.0000
09/09/88	0.0000	0.0000	0.0000	0.0000
09/10/88	0.0000	0.0000	0.0000	0.0000
09/11/88	0.0000	0.0000	0.0000	0.0000
09/12/88	0.0000	0.0000	0.0000	0.0000
09/13/88	0.0000	0.0000	0.0000	0.0000
09/14/88	0.0000	0.0000	0.0000	0.0000
09/15/88	0.0000	0.0000	0.0000	0.0000
09/16/88	0.0000	0.0000	0.0000	0.0000
09/17/88	0.0200	0.0200	0.0200	0.0100
09/18/88	0.0200	0.0100	0.0000	0.0100
09/19/88	0.0100	0.0100	0.0000	0.0100
09/20/88	0.0000	0.0000	0.0000	0.0000
09/21/88	0.0000	0.0000	0.0000	0.0000
09/22/88	0.0000	0.0000	0.0000	0.0000
09/23/88	0.0000	0.0000	0.0000	0.0000
09/24/88	0.0000	0.0000	0.0000	0.0000

Table 2.10 (continued)

Date	East	Cent	West	USGS
09/25/88	0.0000	0.0000	0.0000	0.0000
09/26/88	0.0000	0.0000	0.0000	0.0000
09/27/88	0.0000	0.0000	0.0000	0.0000
09/28/88	0.0000	0.0000	0.0000	0.0000
09/29/88	0.0000	0.0000	0.0000	0.0000
09/30/88	0.0000	0.0000	0.0000	0.0000
10/01/88	0.0000	0.0000	0.0000	0.0000
10/02/88	0.0000	0.0000	0.0000	0.0000
10/03/88	0.0000	0.0000	0.0000	0.0000
10/04/88	0.0000	0.0000	0.0000	0.0000
10/05/88	0.0000	0.0000	0.0000	0.0000
10/06/88	0.0000	0.0000	0.0000	0.0000
10/07/88	0.0000	0.0000	0.0000	0.0000
10/08/88	0.0000	0.0000	0.0000	0.0000
10/09/88	0.0000	0.0000	0.0000	0.0000
10/10/88	0.0000	0.0000	0.0000	0.0000
10/11/88	0.0000	0.0000	0.0000	0.0000
10/12/88	0.0000	0.0000	0.0000	0.0000
10/13/88	0.0000	0.0000	0.0000	0.0000
10/14/88	0.0000	0.0000	0.0000	0.0000
10/15/88	0.0000	0.0000	0.0000	0.0000
10/16/88	0.0000	0.0000	0.0000	0.0000
10/17/88	0.0000	0.0000	0.0000	0.0000
10/18/88	0.0000	0.0000	0.0000	0.0000
10/19/88	0.0000	0.0000	0.0000	0.0000
10/20/88	0.0000	0.0000	0.0000	0.0000
10/21/88	0.0000	0.0100	0.0000	0.0000
10/22/88	0.0000	0.0100	0.0000	0.0000
10/23/88	0.0000	0.0100	0.0000	0.0000
10/24/88	0.0000	0.0100	0.0000	0.0000
10/25/88	0.0000	0.0000	0.0000	0.0000
10/26/88	0.0000	0.0000	0.0000	0.0000
10/27/88	0.0000	0.0000	0.0000	0.0000
10/28/88	0.0000	0.0100	0.0000	0.0000
10/29/88	0.0000	0.0100	0.0000	0.0000
10/30/88	0.0000	0.0100	0.0000	0.0000
10/31/88	0.0000	0.0100	0.0000	0.0000
11/01/88	0.0000	0.0100	0.0000	0.0000
11/02/88	0.0000	0.0100	0.0000	0.0000
11/03/88	0.0000	0.0000	0.0000	0.0000
11/04/88	0.1100	0.0000	0.1200	0.0300
11/05/88	1.0000	0.0000	0.7100	1.5000
11/06/88	0.2100	0.0000	0.2700	0.3800
11/07/88	0.0800	0.0000	0.0700	0.1100
11/08/88	0.0500	0.0000	0.0100	0.0600

Table 2.10 (continued)

Date	East	Cent	West	USGS
11/09/88	0.0300	0.0000	0.0100	0.0500
11/10/88	0.0300	0.0000	0.0200	0.0500
11/11/88	0.0500	0.0000	0.0100	0.0700
11/12/88	0.0300	0.0000	0.0100	0.0500
11/13/88	0.0300	0.0000	0.0100	0.0500
11/14/88	0.0300	0.0000	0.0100	0.0400
11/15/88	0.0000	0.0000	0.0100	0.0300
11/16/88	0.0000	0.0000	0.0200	0.0500
11/17/88	0.0000	0.0000	0.0600	0.2600
11/18/88	0.0000	0.0000	0.0200	0.1000
11/19/88	0.0000	0.0000	0.2100	0.7100
11/20/88	0.0000	0.0000	0.8800	2.9000
11/21/88	0.0000	0.0000	0.1900	0.7200
11/22/88	0.0000	0.0000	0.0700	0.2900
11/23/88	0.0000	0.0000	0.0400	0.1700
11/24/88	0.0700	0.0300	0.0300	0.1100
11/25/88	0.0500	0.0200	0.0200	0.0900
11/26/88	0.0600	0.0200	0.0000	0.0700
11/27/88	0.8200	0.2300	0.0000	1.2000
11/28/88	0.5700	0.1700	0.0000	1.0000
11/29/88	0.2400	0.0900	0.0000	0.4200
11/30/88	0.1600	0.0600	0.0000	0.2600
12/01/88	0.1000	0.0400	0.0000	0.1600
12/02/88	0.0800	0.0300	0.0000	0.1100
12/03/88	0.0600	0.0300	0.0000	0.1000
12/04/88	0.0500	0.0200	0.0000	0.0800
12/05/88	0.0500	0.0200	0.0000	0.0700
12/06/88	0.0400	0.0200	0.0000	0.0600
12/07/88	0.0400	0.0200	0.0000	0.0600
12/08/88	0.0300	0.0200	0.0000	0.0500
12/09/88	0.0700	0.0400	0.0000	0.1000
12/10/88	0.0900	0.0300	0.0000	0.1200
12/11/88	0.0700	0.0300	0.0000	0.0800
12/12/88	0.0600	0.0200	0.0000	0.0700
12/13/88	0.0500	0.0200	0.0000	0.0700
12/14/88	0.0500	0.0200	0.0000	0.0600
12/15/88	0.0400	0.0200	0.0000	0.0600
12/16/88	0.0400	0.0200	0.0000	0.0500
12/17/88	0.0300	0.0200	0.0000	0.0500
12/18/88	0.0300	0.0200	0.0000	0.0400
12/19/88	0.0300	0.0100	0.0000	0.0400
12/20/88	0.0300	0.0100	0.0000	0.0400
12/21/88	0.4100	0.1100	0.0000	0.6000
12/22/88	0.3600	0.1100	0.0000	0.6100
12/23/88	0.7100	0.1900	0.0000	1.1000

Table 2.10 (continued)

Date	East	Cent	West	USGS
12/24/88	1.4000	0.3900	0.0000	2.0000
12/25/88	0.7700	0.2300	0.0000	1.4000
12/26/88	0.3200	0.1100	0.0000	0.6400
12/27/88	0.2100	0.0700	0.0000	0.3800
12/28/88	0.3600	0.1000	0.0000	0.5800
12/29/88	0.2600	0.0800	0.1300	0.4400
12/30/88	0.6900	0.1900	0.3100	0.9700
12/31/88	4.4000	1.2000	2.8000	7.6000

Comments: A value of "0.0000" indicates that either no flow was recorded on this date or an actual value is missing for this date.

*For additional identification of the four collection points, see Table 1.5.

Table 2.11. Surface water discharge summary
Average daily flows in cfs
SWSA 7 site, January-September 1989
(four collection points)*

Date	East	Cent	West	USGS
01/01/89	2.6000	0.7800	2.6000	4.4000
01/02/89	0.6500	0.2000	0.7400	1.4000
01/03/89	0.4300	0.1300	0.4600	0.9900
01/04/89	0.2500	0.0800	0.2700	0.5700
01/05/89	0.1900	0.0700	0.2400	0.4000
01/06/89	1.2000	0.3000	0.9100	1.9000
01/07/89	0.5500	0.1800	0.5600	1.1000
01/08/89	4.2000	1.3000	2.8000	7.5000
01/09/89	0.8100	0.2600	0.5500	1.8000
01/10/89	0.4600	0.1400	0.2500	1.1000
01/11/89	1.5000	0.4100	0.7300	2.8000
01/12/89	9.9000	3.3000	6.0000	21.0000
01/13/89	3.4000	1.1000	2.0000	7.2000
01/14/89	1.8000	0.5200	0.9300	3.4000
01/15/89	2.5000	0.7900	1.5000	4.8000
01/16/89	0.7700	0.2500	0.4200	1.9000
01/17/89	0.4400	0.1400	0.2500	1.2000
01/18/89	0.3000	0.1100	0.1700	0.8900
01/19/89	0.2300	0.0900	0.1200	0.6400
01/20/89	0.1800	0.0700	0.0900	0.4900
01/21/89	0.1500	0.0600	0.0700	0.3800
01/22/89	0.1300	0.0600	0.0600	0.3200
01/23/89	0.1200	0.0500	0.0500	0.2800
01/24/89	0.1100	0.0500	0.0500	0.2600
01/25/89	0.1000	0.0400	0.0400	0.2200
01/26/89	0.0900	0.0400	0.0400	0.2200
01/27/89	0.0900	0.0400	0.0400	0.1900
01/28/89	0.0800	0.0400	0.0300	0.1700
01/29/89	0.0700	0.0400	0.0300	0.1700
01/30/89	0.3300	0.1000	0.1500	0.6200
01/31/89	0.2100	0.0600	0.0900	0.3800
02/01/89	0.1600	0.0600	0.0700	0.3000
02/02/89	0.1300	0.0500	0.0600	0.2600
02/03/89	0.1200	0.0500	0.0600	0.2200
02/04/89	0.1100	0.0500	0.0500	0.2100
02/05/89	0.6300	0.1600	0.2700	1.1000
02/06/89	1.6000	0.4700	0.8100	2.5000
02/07/89	1.2000	0.3800	0.6400	2.1000
02/08/89	0.5400	0.1800	0.3100	1.3000
02/09/89	0.3200	0.1200	0.2000	0.8300
02/10/89	0.2500	0.0900	0.1400	0.6400
02/11/89	0.2100	0.0800	0.1100	0.5200
02/12/89	0.1700	0.0700	0.0900	0.4200
02/13/89	0.1600	0.0600	0.0800	0.3800

Table 2.11 (continued)

Date	East	Cent	West	USGS
02/14/89	0.2200	0.0800	0.1200	0.4900
02/15/89	0.3000	0.0800	0.1500	0.6200
02/16/89	0.2700	0.0900	0.1400	0.5300
02/17/89	2.6000	0.7400	1.3000	4.2000
02/18/89	3.0000	0.9800	1.8000	5.4000
02/19/89	1.0000	0.3300	0.6100	2.3000
02/20/89	1.4000	0.4000	0.6900	2.8000
02/21/89	4.5000	1.4000	2.5000	8.7000
02/22/89	0.9400	0.3100	0.5400	2.4000
02/23/89	0.4800	0.1700	0.2700	1.5000
02/24/89	0.3100	0.1200	0.1800	1.0000
02/25/89	0.2500	0.1000	0.1400	0.7900
02/26/89	0.2200	0.0900	0.1200	0.6700
02/27/89	0.5800	0.1500	0.2400	1.2000
02/28/89	1.4000	0.3900	0.0000	2.5000
03/01/89	0.9100	0.3100	0.0000	1.8000
03/02/89	0.5000	0.1700	0.0000	1.3000
03/03/89	0.3400	0.1200	0.0000	0.9900
03/04/89	0.3000	0.1100	0.1600	0.8400
03/05/89	2.5000	0.6700	1.1000	4.2000
03/06/89	3.0000	0.9000	1.7000	5.8000
03/07/89	0.7800	0.2600	0.4300	2.0000
03/08/89	0.4300	0.1500	0.2500	1.4000
03/09/89	0.3000	0.1100	0.1800	1.0000
03/10/89	0.2400	0.1000	0.1300	0.8100
03/11/89	0.2100	0.0900	0.1100	0.6700
03/12/89	0.1800	0.0800	0.0900	0.5800
03/13/89	0.1600	0.0700	0.0800	0.4900
03/14/89	0.1400	0.0700	0.0700	0.4400
03/15/89	0.1300	0.0600	0.0600	0.3800
03/16/89	0.1200	0.0500	0.0500	0.3300
03/17/89	0.1000	0.0500	0.0400	0.3100
03/18/89	0.3900	0.1200	0.1600	0.8600
03/19/89	0.2500	0.0800	0.1000	0.6100
03/20/89	0.3700	0.1200	0.1700	0.8700
03/21/89	2.2000	0.6500	1.2000	3.7000
03/22/89	0.6700	0.2300	0.3800	1.6000
03/23/89	0.9100	0.2500	0.3900	1.9000
03/24/89	0.7100	0.2300	0.3600	1.7000
03/25/89	0.4400	0.1600	0.2600	1.3000
03/26/89	0.3100	0.1200	0.1900	1.0000
03/27/89	0.2400	0.1000	0.1400	0.7900
03/28/89	0.2000	0.0800	0.1100	0.6200
03/29/89	0.1800	0.0800	0.0900	0.4600
03/30/89	3.2000	0.9200	1.7000	5.4000
03/31/89	2.3000	0.7000	1.3000	4.1000

Table 2.11 (continued)

Date	East	Cent	West	USGS
04/01/89	0.7200	0.2400	0.4200	1.8000
04/02/89	0.4100	0.1500	0.2500	1.2000
04/03/89	0.4300	0.1500	0.2400	1.2000
04/04/89	2.5000	0.6900	1.2000	4.3000
04/05/89	1.2000	0.3900	0.7200	2.4000
04/06/89	0.5400	0.1900	0.3100	1.5000
04/07/89	0.4600	0.1600	0.2500	1.3000
04/08/89	0.6100	0.1800	0.2800	1.4000
04/09/89	0.4600	0.1500	0.2500	1.1000
04/10/89	0.3200	0.1300	0.2000	0.8400
04/11/89	0.2500	0.1100	0.1500	0.6600
04/12/89	0.2100	0.1000	0.1200	0.5600
04/13/89	0.1800	0.0900	0.0900	0.4900
04/14/89	0.1700	0.0800	0.0800	0.4400
04/15/89	0.2700	0.1000	0.1200	0.8300
04/16/89	0.1700	0.0700	0.0900	0.5500
04/17/89	0.1400	0.0700	0.1000	0.4400
04/18/89	0.1200	0.0600	0.1000	0.4100
04/19/89	0.1100	0.0600	0.0900	0.3500
04/20/89	0.1000	0.0500	0.0600	0.3000
04/21/89	0.0800	0.0500	0.0300	0.2700
04/22/89	0.0800	0.0500	0.0200	0.2500
04/23/89	0.0900	0.0500	0.0300	0.2700
04/24/89	0.0900	0.0500	0.0300	0.2600
04/25/89	0.0700	0.0400	0.0200	0.1700
04/26/89	0.0600	0.0400	0.0100	0.0900
04/27/89	0.0500	0.0300	0.0100	0.0800
04/28/89	0.0400	0.0300	0.0100	0.0700
04/29/89	0.0600	0.0400	0.0200	0.0900
04/30/89	0.0500	0.0300	0.0100	0.0700
05/01/89	0.1500	0.0700	0.0700	0.2300
05/02/89	0.0900	0.0400	0.0300	0.1200
05/03/89	0.0500	0.0300	0.0100	0.0600
05/04/89	0.0600	0.0400	0.0200	0.0800
05/05/89	2.5000	0.6900	1.1000	4.0000
05/06/89	1.4000	0.4200	0.7700	2.3000
05/07/89	0.4300	0.1500	0.2500	0.9200
05/08/89	0.2200	0.0900	0.1300	0.4700
05/09/89	1.5000	0.4100	0.7600	2.4000
05/10/89	0.9900	0.3100	0.5600	1.7000
05/11/89	0.3700	0.1400	0.2300	0.8800
05/12/89	0.2200	0.0900	0.1300	0.5000
05/13/89	0.1400	0.0700	0.0700	0.3300
05/14/89	0.1100	0.0600	0.0500	0.2500
05/15/89	0.0900	0.0500	0.0400	0.2200
05/16/89	0.0700	0.0400	0.0200	0.1600

Table 2.11 (continued)

Date	East	Cent	West	USGS
05/17/89	0.0500	0.0400	0.0100	0.1100
05/18/89	0.0400	0.0400	0.0100	0.1100
05/19/89	0.0500	0.0400	0.0200	0.1300
05/20/89	0.8800	0.2200	0.3400	1.4000
05/21/89	0.2300	0.0800	0.1000	0.4200
05/22/89	0.1100	0.0600	0.0500	0.2300
05/23/89	0.1300	0.0600	0.0500	0.2400
05/24/89	0.0700	0.0400	0.0200	0.1200
05/25/89	0.0400	0.0300	0.0100	0.0800
05/26/89	0.4000	0.1300	0.1900	0.5400
05/27/89	1.8000	0.4700	0.8600	2.9000
05/28/89	0.3500	0.1300	0.2000	0.7800
05/29/89	0.0000	0.0700	0.0800	0.3200
05/30/89	0.0000	0.0500	0.0400	0.1700
05/31/89	0.0000	0.0300	0.0200	0.1000
06/01/89	0.0000	0.0300	0.0100	0.0800
06/02/89	0.0000	0.0300	0.0100	0.0600
06/03/89	0.0000	0.0300	0.0100	0.0500
06/04/89	0.0000	0.0300	0.0100	0.0500
06/05/89	0.0000	0.0700	0.0700	0.1700
06/06/89	0.0000	0.1200	0.1900	0.8400
06/07/89	0.2300	0.0700	0.0900	0.4300
06/08/89	0.1400	0.0700	0.0700	0.2300
06/09/89	2.2000	0.4900	1.2000	3.1000
06/10/89	0.4900	0.1500	0.3200	0.9400
06/11/89	0.1700	0.0700	0.1100	0.3400
06/12/89	0.7600	0.2400	0.3200	1.3000
06/13/89	1.9000	0.5200	1.0000	3.1000
06/14/89	0.5100	0.1700	0.3200	1.2000
06/15/89	3.9000	1.1000	2.2000	6.7000
06/16/89	3.1000	0.9400	1.8000	5.5000
06/17/89	1.1000	0.3500	0.6500	2.3000
06/18/89	0.3800	0.1500	0.2300	1.2000
06/19/89	0.2800	0.1100	0.1600	0.8800
06/20/89	2.9000	0.8500	1.6000	5.0000
06/21/89	1.0000	0.3400	0.6200	2.0000
06/22/89	2.1000	0.7400	1.7000	3.3000
06/23/89	0.8100	0.3000	0.5700	1.6000
06/24/89	0.3400	0.1400	0.2200	0.9100
06/25/89	0.1700	0.0900	0.1100	0.5000
06/26/89	0.1000	0.0700	0.0600	0.3000
06/27/89	0.0700	0.0500	0.0300	0.2000
06/28/89	0.3000	0.1000	0.1600	0.5200
06/29/89	0.1800	0.0700	0.0900	0.3600
06/30/89	0.0800	0.0500	0.0300	0.1800
07/01/89	0.0800	0.0600	0.0400	0.1800

Table 2.1' (continued)

Date	East	Cent	West	USGS
07/02/89	0.1500	0.0800	0.0700	0.2900
07/03/89	0.9200	0.2200	0.4600	1.4000
07/04/89	0.9000	0.2400	0.5200	1.5000
07/05/89	0.3600	0.1300	0.2800	0.6800
07/06/89	2.3000	0.6400	1.2000	3.5000
07/07/89	1.2000	0.3500	0.7200	1.9000
07/08/89	0.4300	0.1500	0.2900	0.9500
07/09/89	0.2000	0.0900	0.1400	0.4700
07/10/89	0.1100	0.0700	0.0700	0.2800
07/11/89	0.0700	0.0600	0.0400	0.1900
07/12/89	0.0700	0.0600	0.0500	0.1800
07/13/89	0.0900	0.0600	0.0400	0.1900
07/14/89	0.0500	0.0000	0.0200	0.1200
07/15/89	0.0300	0.0000	0.0100	0.0800
07/16/89	0.0400	0.0000	0.0200	0.0900
07/17/89	0.0400	0.0000	0.0200	0.0700
07/18/89	0.0200	0.0000	0.0000	0.0500
07/19/89	0.0400	0.0000	0.0300	0.1000
07/20/89	0.0400	0.0000	0.0100	0.0700
07/21/89	0.0500	0.0000	0.0200	0.0900
07/22/89	0.0500	0.0000	0.0100	0.0700
07/23/89	0.0300	0.0000	0.0100	0.0500
07/24/89	0.0200	0.0000	0.0000	0.0400
07/25/89	0.0100	0.0000	0.0000	0.0200
07/26/89	0.0100	0.0000	0.0000	0.0100
07/27/89	0.0100	0.0000	0.0000	0.0100
07/28/89	0.0100	0.0200	0.0000	0.0000
07/29/89	0.0100	0.0200	0.0000	0.0100
07/30/89	0.0100	0.0300	0.0000	0.0100
07/31/89	0.0100	0.0300	0.0000	0.0100
08/01/89	0.4300	0.1700	0.1800	0.6000
08/02/89	0.1900	0.0700	0.0700	0.2700
08/03/89	0.0500	0.0300	0.0100	0.0500
08/04/89	0.0300	0.0200	0.0100	0.0200
08/05/89	0.0100	0.0200	0.0000	0.0100
08/06/89	0.0100	0.0200	0.0000	0.0000
08/07/89	0.0100	0.0200	0.0000	0.0000
08/08/89	0.0100	0.0100	0.0000	0.0000
08/09/89	0.0100	0.0100	0.0000	0.0000
08/10/89	0.0100	0.0100	0.0000	0.0000
08/11/89	0.0000	0.0100	0.0000	0.0000
08/12/89	0.0000	0.0100	0.0000	0.0000
08/13/89	0.0000	0.0100	0.0000	0.0000
08/14/89	0.0000	0.0100	0.0000	0.0000
08/15/89	0.0000	0.0100	0.0000	0.0000
08/16/89	0.0000	0.0100	0.0000	0.0000

Table 2.11 (continued)

Date	East	Cent	West	USGS
08/17/89	0.0100	0.0200	0.0000	0.0000
08/18/89	0.0100	0.0200	0.0000	0.0000
08/19/89	0.0100	0.0100	0.0000	0.0000
08/20/89	0.0000	0.0100	0.0000	0.0000
08/21/89	0.0000	0.0100	0.0000	0.0000
08/22/89	0.0000	0.0100	0.0000	0.0000
08/23/89	0.0200	0.0500	0.0100	0.0000
08/24/89	0.0300	0.0500	0.0200	0.0000
08/25/89	0.0100	0.0200	0.0000	0.0000
08/26/89	0.2400	0.1000	0.1100	0.3200
08/27/89	0.0700	0.0400	0.0200	0.0600
08/28/89	0.0200	0.0200	0.0000	0.0100
08/29/89	0.0100	0.0100	0.0000	0.0000
08/30/89	0.0100	0.0200	0.0000	0.0000
08/31/89	0.0100	0.0100	0.0000	0.0000
09/01/89	1.2000	0.3000	0.4300	1.7000
09/02/89	0.3500	0.1000	0.1400	0.5500
09/03/89	0.0700	0.0300	0.0300	0.0700
09/04/89	0.0300	0.0200	0.0100	0.0200
09/05/89	0.0200	0.0100	0.0000	0.0100
09/06/89	0.0100	0.0100	0.0000	0.0000
09/07/89	0.0100	0.0100	0.0000	0.0000
09/08/89	0.0100	0.0100	0.0000	0.0000
09/09/89	0.0000	0.0100	0.0000	0.0000
09/10/89	0.0000	0.0100	0.0000	0.0000
09/11/89	0.0000	0.0300	0.0100	0.0100
09/12/89	0.0000	0.0200	0.0100	0.0000
09/13/89	0.0000	0.0100	0.0000	0.0000
09/14/89	0.0000	0.0400	0.0200	0.0200
09/15/89	0.0000	0.6800	1.3000	3.7000
09/16/89	0.0000	0.2900	0.5900	1.8000
09/17/89	0.0000	0.0700	0.0800	0.2600
09/18/89	0.0000	0.0300	0.0300	0.0800
09/19/89	0.0000	0.0200	0.0100	0.0400
09/20/89	0.0000	0.0200	0.0100	0.0200
09/21/89	0.0000	0.0200	0.0000	0.0100
09/22/89	0.0000	0.2500	0.4600	1.5000
09/23/89	1.4000	0.3600	0.7300	2.1000
09/24/89	0.3500	0.1100	0.2100	0.5800
09/25/89	0.7400	0.2000	0.3400	0.9600
09/26/89	1.7000	0.4300	0.9000	2.8000
09/27/89	0.3100	0.1100	0.2200	0.5800
09/28/89	0.1600	0.0600	0.1400	0.2400
09/29/89	0.4700	0.1300	0.3000	0.7500
09/30/89	6.3000	1.8000	3.8000	11.0000

Comments: A value of "0.0000" indicates that either no flow was recorded on this date or an actual value is missing for this date.

*For additional identification of the four collection points, see Table 1.5.

Table 2.12. Surface water quality field data: SWSA 7 selected sampling sites, FY89, quarters 1-4

Well ID	Date	Cond.	D.O.	pH	Temp.	Turb.
fl-cent	03-06-89	0.07	5.00	6.60	9.70	54.00
fl-cent	05-23-89	0.17	4.60	7.10	16.30	46.00
fl-cent	08-28-89	1.30	12.50	7.10	19.50	19.00
fl-cent	11-28-88	0.27	8.20	6.50	8.50	5.00
fl-east	03-06-89	0.05	5.20	6.60	10.20	51.00
fl-east	05-23-89	0.13	4.80	6.80	17.60	81.00
fl-east	08-28-89	1.70	11.90	7.40	20.40	11.00
fl-east	11-28-88	0.29	9.30	6.70	8.60	16.00
fl-usgs	03-06-89	0.10	5.50	7.10	9.20	55.00
fl-usgs	05-23-89	0.20	4.90	7.20	16.20	46.00
fl-usgs	08-28-89	1.50	11.60	7.60	20.30	28.00
fl-usgs	11-29-88	0.18	12.00	7.20	6.10	13.00
fl-west	03-06-89	0.07	8.30	6.70	10.10	61.00
fl-west	05-23-89	0.12	4.70	7.20	16.60	17.00
fl-west	08-28-89	1.70	11.00	6.80	20.60	11.00
fl-west	11-28-88	0.17	2.60	7.40	5.90	13.00

*Cond. = conductivity in ms/cm; D.O. = dissolved oxygen; Temp. = temperature in degress C; Turb. = turbidity in Jtu.

Table 2.13. Chemical analysis of surface water samples
SWSA 7 site, FY89

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-cent	11/28/88	AG	<	0.00500	MG/L	0.0000
fl-cent	03/06/89	AG	<	0.00500	MG/L	0.0000
fl-cent	05/23/89	AG	<	0.00500	MG/L	0.0000
fl-cent	11/28/88	AL		0.16000	MG/L	0.0000
fl-cent	03/06/89	AL		0.15000	MG/L	0.0000
fl-cent	05/23/89	AL		0.24000	MG/L	0.0000
fl-cent	11/28/88	ALKALINITY		57.50000	MG CACO3/L	0.0000
fl-cent	03/06/89	ALKALINITY		29.00000	MG CACO3/L	0.0000
fl-cent	05/23/89	ALKALINITY		106.30000	MG CACO3/L	0.0000
fl-cent	11/28/88	AS	<	0.01000	UG/ML	0.0000
fl-cent	03/06/89	AS	<	0.01000	UG/ML	0.0000
fl-cent	05/23/89	AS	<	0.01000	UG/ML	0.0000
fl-cent	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-cent	11/28/88	B	<	0.08000	MG/L	0.0000
fl-cent	03/06/89	B	<	0.08000	MG/L	0.0000
fl-cent	05/23/89	B	<	0.08000	MG/L	0.0000
fl-cent	11/28/88	BA		0.04300	MG/L	0.0000
fl-cent	03/06/89	BA		0.02700	MG/L	0.0000
fl-cent	05/23/89	BA		0.08700	MG/L	0.0000
fl-cent	11/28/88	BE		0.00060	MG/L	0.0000
fl-cent	03/06/89	BE	<	0.00030	MG/L	0.0000
fl-cent	05/23/89	BE	<	0.00040	MG/L	0.0000
fl-cent	11/28/88	CA		28.00000	MG/L	0.0000
fl-cent	03/06/89	CA		12.00000	MG/L	0.0000
fl-cent	05/23/89	CA		36.00000	MG/L	0.0000
fl-cent	11/28/88	CD	<	0.00200	MG/L	0.0000
fl-cent	03/06/89	CD	<	0.00200	MG/L	0.0000
fl-cent	05/23/89	CD	<	0.00200	MG/L	0.0000
fl-cent	11/28/88	CHLORIDE		2.20000	MG/L	0.0000
fl-cent	03/06/89	CHLORIDE		1.20000	MG/L	0.0000
fl-cent	05/23/89	CHLORIDE		1.60000	MG/L	0.0000
fl-cent	11/28/88	CO	<	0.00300	MG/L	0.0000
fl-cent	03/06/89	CO	<	0.00300	MG/L	0.0000
fl-cent	05/23/89	CO		0.00410	MG/L	0.0000
fl-cent	11/28/88	CR	<	0.00500	MG/L	0.0000
fl-cent	03/06/89	CR	<	0.00500	MG/L	0.0000
fl-cent	05/23/89	CR	<	0.00300	MG/L	0.0000
fl-cent	11/28/88	CU	<	0.01000	MG/L	0.0000
fl-cent	03/06/89	CU	<	0.01000	MG/L	0.0000
fl-cent	05/23/89	CU	<	0.01000	MG/L	0.0000
fl-cent	11/28/88	FE		0.03700	MG/L	0.0000
fl-cent	03/06/89	FE		0.05000	MG/L	0.0000
fl-cent	05/23/89	FE		0.07700	MG/L	0.0000
fl-cent	11/28/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-cent	03/06/89	FLUORIDE	<	1.00000	MG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-cent	05/23/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-cent	11/28/88	G-ALPHA		0.03000	BQ/L	0.0500
fl-cent	03/06/89	G-ALPHA		0.05000	BQ/L	0.1000
fl-cent	05/23/89	G-ALPHA		0.10000	BQ/L	0.6900
fl-cent	08/28/89	G-ALPHA		0.90000	BQ/L	1.2000
fl-cent	11/28/88	G-BETA		0.00000	BQ/L	0.0400
fl-cent	03/06/89	G-BETA		0.91000	BQ/L	0.3900
fl-cent	05/23/89	G-BETA		-0.90000	BQ/L	1.9000
fl-cent	08/28/89	G-BETA		-0.50000	BQ/L	2.4000
fl-cent	11/28/88	GA	<	0.30000	MG/L	0.0000
fl-cent	05/23/89	GA	<	0.30000	MG/L	0.0000
fl-cent	11/28/88	HG	<	0.00010	UG/ML	0.0000
fl-cent	03/06/89	HG	<	0.00010	UG/ML	0.0000
fl-cent	05/23/89	HG	<	0.00010	UG/ML	0.0000
fl-cent	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-cent	11/28/88	LI	<	0.20000	MG/L	0.0000
fl-cent	03/06/89	LI	<	0.20000	MG/L	0.0000
fl-cent	11/28/88	MG		4.40000	MG/L	0.0000
fl-cent	03/06/89	MG		2.60000	MG/L	0.0000
fl-cent	05/23/89	MG		5.10000	MG/L	0.0000
fl-cent	11/28/88	MN		0.02700	MG/L	0.0000
fl-cent	03/06/89	MN	<	0.00200	MG/L	0.0000
fl-cent	05/23/89	MN		0.10000	MG/L	0.0000
fl-cent	11/28/88	MO	<	0.04000	MG/L	0.0000
fl-cent	03/06/89	MO	<	0.04000	MG/L	0.0000
fl-cent	05/23/89	MO	<	0.04000	MG/L	0.0000
fl-cent	11/28/88	NA		3.10000	MG/L	0.0000
fl-cent	03/06/89	NA		1.40000	MG/L	0.0000
fl-cent	05/23/89	NA	<	2.00000	MG/L	0.0000
fl-cent	11/28/88	NI	<	0.00500	MG/L	0.0000
fl-cent	03/06/89	NI	<	0.00500	MG/L	0.0000
fl-cent	05/23/89	NI	<	0.00600	MG/L	0.0000
fl-cent	11/28/88	NITRATE	<	5.00000	MG/L	0.0000
fl-cent	03/06/89	NITRATE	<	5.00000	MG/L	0.0000
fl-cent	05/23/89	NITRATE	<	5.00000	MG/L	0.0000
fl-cent	11/28/88	P	<	0.30000	MG/L	0.0000
fl-cent	03/06/89	P	<	0.30000	MG/L	0.0000
fl-cent	05/23/89	P	<	0.30000	MG/L	0.0000
fl-cent	11/28/88	PB	<	0.05000	MG/L	0.0000
fl-cent	03/06/89	PB	<	0.05000	MG/L	0.0000
fl-cent	05/23/89	PB	<	0.03000	MG/L	0.0000
fl-cent	11/28/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-cent	03/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-cent	05/23/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-cent	11/28/88	SB	<	0.03000	MG/L	0.0000
fl-cent	03/06/89	SB	<	0.03000	MG/L	0.0000
fl-cent	05/23/89	SB	<	0.04000	MG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-cent	11/28/88	SE	<	0.00500	UG/ML	0.0000
fl-cent	03/06/89	SE	<	0.00500	UG/ML	0.0000
fl-cent	05/23/89	SE	<	0.00500	UG/ML	0.0000
fl-cent	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-cent	11/28/88	SI		3.60000	MG/L	0.0000
fl-cent	03/06/89	SI		3.90000	MG/L	0.0000
fl-cent	05/23/89	SI		4.40000	MG/L	0.0000
fl-cent	11/28/88	SN	<	0.05000	MG/L	0.0000
fl-cent	03/06/89	SN	<	0.05000	MG/L	0.0000
fl-cent	05/23/89	SN	<	0.05000	MG/L	0.0000
fl-cent	11/28/88	SR		0.06500	MG/L	0.0000
fl-cent	05/23/89	SR		0.07200	MG/L	0.0000
fl-cent	11/28/88	SULFATE		41.00000	MG/L	0.0000
fl-cent	03/06/89	SULFATE		15.00000	MG/L	0.0000
fl-cent	05/23/89	SULFATE		18.00000	MG/L	0.0000
fl-cent	11/28/88	TI	<	0.02000	MG/L	0.0000
fl-cent	03/06/89	TI		0.02700	MG/L	0.0000
fl-cent	05/23/89	TI	<	0.02000	MG/L	0.0000
fl-cent	11/28/88	TOC		2.40000	UG/ML	0.0000
fl-cent	03/06/89	TOC		1.20000	UG/ML	0.0000
fl-cent	05/23/89	TOC		1.90000	UG/ML	0.0000
fl-cent	08/28/89	TOC		3.00000	UG/ML	0.0000
fl-cent	11/28/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-cent	03/06/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
fl-cent	05/23/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
fl-cent	11/28/88	TOX		7.30000	UG/L	0.0000
fl-cent	03/06/89	TOX		9.00000	UG/L	0.0000
fl-cent	05/23/89	TOX		5.00000	UG/L	0.0000
fl-cent	11/28/88	TRITIUM		38.00000	BQ/L	45.0000
fl-cent	03/06/89	TRITIUM		32.00000	BQ/L	32.0000
fl-cent	05/23/89	TRITIUM		37.00000	BQ/L	32.0000
fl-cent	08/28/89	TRITIUM		-86.00000	BQ/L	37.0000
fl-cent	11/28/88	V		0.00470	MG/L	0.0000
fl-cent	03/06/89	V		0.01300	MG/L	0.0000
fl-cent	05/23/89	V	<	0.00400	MG/L	0.0000
fl-cent	11/28/88	ZN		0.01200	MG/L	0.0000
fl-cent	03/06/89	ZN		0.01000	MG/L	0.0000
fl-cent	05/23/89	ZN		0.02100	MG/L	0.0000
fl-cent	11/28/88	ZR	<	0.02000	MG/L	0.0000
fl-cent	03/06/89	ZR	<	0.02000	MG/L	0.0000
fl-cent	05/23/89	ZR	<	0.02000	MG/L	0.0000
fl-east	11/28/88	AG	<	0.00500	MG/L	0.0000
fl-east	03/06/89	AG	<	0.00500	MG/L	0.0000
fl-east	05/23/89	AG	<	0.00500	MG/L	0.0000
fl-east	11/28/88	AL		0.14000	MG/L	0.0000
fl-east	03/06/89	AL		0.20000	MG/L	0.0000
fl-east	05/23/89	AL		0.21000	MG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-east	11/28/88	ALKALINITY		55.00000	MG CACO3/L	0.0000
fl-east	03/06/89	ALKALINITY		29.00000	MG CACO3/L	0.0000
fl-east	05/23/89	ALKALINITY		87.00000	MG CACO3/L	0.0000
fl-east	11/28/88	AS	<	0.01000	UG/ML	0.0000
fl-east	03/06/89	AS	<	0.01000	UG/ML	0.0000
fl-east	05/23/89	AS	<	0.01000	UG/ML	0.0000
fl-east	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-east	11/28/88	B	<	0.08000	MG/L	0.0000
fl-east	03/06/89	B	<	0.08000	MG/L	0.0000
fl-east	05/23/89	B	<	0.08000	MG/L	0.0000
fl-east	11/28/88	BA		0.03200	MG/L	0.0000
fl-east	03/06/89	BA		0.03100	MG/L	0.0000
fl-east	05/23/89	BA		0.04300	MG/L	0.0000
fl-east	11/28/88	BE		0.00040	MG/L	0.0000
fl-east	03/06/89	BE	<	0.00030	MG/L	0.0000
fl-east	05/23/89	BE	<	0.00040	MG/L	0.0000
fl-east	11/28/88	CA		25.00000	MG/L	0.0000
fl-east	03/06/89	CA		13.00000	MG/L	0.0000
fl-east	05/23/89	CA		27.00000	MG/L	0.0000
fl-east	11/28/88	CD	<	0.00200	MG/L	0.0000
fl-east	03/06/89	CD	<	0.00200	MG/L	0.0000
fl-east	05/23/89	CD	<	0.00200	MG/L	0.0000
fl-east	11/28/88	CHLORIDE		4.50000	MG/L	0.0000
fl-east	03/06/89	CHLORIDE		3.90000	MG/L	0.0000
fl-east	05/23/89	CHLORIDE		3.10000	MG/L	0.0000
fl-east	11/28/88	CO	<	0.00300	MG/L	0.0000
fl-east	03/06/89	CO	<	0.00300	MG/L	0.0000
fl-east	05/23/89	CO		0.00460	MG/L	0.0000
fl-east	11/28/88	CR	<	0.00500	MG/L	0.0000
fl-east	03/06/89	CR	<	0.00500	MG/L	0.0000
fl-east	05/23/89	CR		0.00350	MG/L	0.0000
fl-east	11/28/88	CU	<	0.01000	MG/L	0.0000
fl-east	03/06/89	CU	<	0.01000	MG/L	0.0000
fl-east	05/23/89	CU	<	0.01000	MG/L	0.0000
fl-east	11/28/88	FE		0.05500	MG/L	0.0000
fl-east	03/06/89	FE		0.07900	MG/L	0.0000
fl-east	05/23/89	FE		0.09100	MG/L	0.0000
fl-east	11/28/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-east	03/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-east	05/23/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-east	11/28/88	G-ALPHA		0.00000	BQ/L	0.0200
fl-east	03/06/89	G-ALPHA		0.02000	BQ/L	0.0700
fl-east	05/23/89	G-ALPHA		0.14000	BQ/L	0.3800
fl-east	08/28/89	G-ALPHA		1.20000	BQ/L	1.4000
fl-east	11/28/88	G-BETA		0.09000	BQ/L	0.0600
fl-east	03/06/89	G-BETA		0.30000	BQ/L	0.2500
fl-east	05/23/89	G-BETA		1.60000	BQ/L	2.8000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-east	08/28/89	G-BETA		1.20000	BQ/L	2.4000
fl-east	11/28/88	GA	<	0.30000	MG/L	0.0000
fl-east	05/23/89	GA	<	0.30000	MG/L	0.0000
fl-east	11/28/88	HG	<	0.00010	UG/ML	0.0000
fl-east	03/06/89	HG	<	0.00010	UG/ML	0.0000
fl-east	05/23/89	HG	<	0.00010	UG/ML	0.0000
fl-east	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-east	11/28/88	LI	<	0.20000	MG/L	0.0000
fl-east	03/06/89	LI	<	0.20000	MG/L	0.0000
fl-east	11/28/88	MG		3.50000	MG/L	0.0000
fl-east	03/06/89	MG		2.30000	MG/L	0.0000
fl-east	05/23/89	MG		4.20000	MG/L	0.0000
fl-east	11/28/88	MN		0.00510	MG/L	0.0000
fl-east	03/06/89	MN	<	0.00200	MG/L	0.0000
fl-east	05/23/89	MN		0.05100	MG/L	0.0000
fl-east	11/28/88	MO	<	0.04000	MG/L	0.0000
fl-east	03/06/89	MO	<	0.04000	MG/L	0.0000
fl-east	05/23/89	MO	<	0.04000	MG/L	0.0000
fl-east	11/28/88	NA		4.10000	MG/L	0.0000
fl-east	03/06/89	NA		1.80000	MG/L	0.0000
fl-east	05/23/89	NA	<	2.00000	MG/L	0.0000
fl-east	11/28/88	NI	<	0.00500	MG/L	0.0000
fl-east	03/06/89	NI	<	0.00500	MG/L	0.0000
fl-east	05/23/89	NI	<	0.00600	MG/L	0.0000
fl-east	11/28/88	NITRATE	<	5.00000	MG/L	0.0000
fl-east	03/06/89	NITRATE	<	5.00000	MG/L	0.0000
fl-east	05/23/89	NITRATE	<	5.00000	MG/L	0.0000
fl-east	11/28/88	P	<	0.30000	MG/L	0.0000
fl-east	03/06/89	P	<	0.30000	MG/L	0.0000
fl-east	05/23/89	P	<	0.30000	MG/L	0.0000
fl-east	11/28/88	PB	<	0.05000	MG/L	0.0000
fl-east	03/06/89	PB	<	0.05000	MG/L	0.0000
fl-east	05/23/89	PB	<	0.03000	MG/L	0.0000
fl-east	11/28/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-east	03/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-east	05/23/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-east	11/28/88	SB	<	0.03000	MG/L	0.0000
fl-east	03/06/89	SB	<	0.03000	MG/L	0.0000
fl-east	05/23/89	SB	<	0.04000	MG/L	0.0000
fl-east	11/28/88	SE	<	0.00500	UG/ML	0.0000
fl-east	03/06/89	SE	<	0.00500	UG/ML	0.0000
fl-east	05/23/89	SE	<	0.00500	UG/ML	0.0000
fl-east	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-east	11/28/88	SI		2.90000	MG/L	0.0000
fl-east	03/06/89	SI		3.20000	MG/L	0.0000
fl-east	05/23/89	SI		2.80000	MG/L	0.0000
fl-east	11/28/88	SN	<	0.05000	MG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-east	03/06/89	SN	<	0.05000	MG/L	0.0000
fl-east	05/23/89	SN	<	0.05000	MG/L	0.0000
fl-east	11/28/88	SR		0.05800	MG/L	0.0000
fl-east	05/23/89	SR		0.05800	MG/L	0.0000
fl-east	11/28/88	SULFATE		25.00000	MG/L	0.0000
fl-east	03/06/89	SULFATE		14.00000	MG/L	0.0000
fl-east	05/23/89	SULFATE		15.00000	MG/L	0.0000
fl-east	11/28/88	TI	<	0.02000	MG/L	0.0000
fl-east	03/06/89	TI		0.03000	MG/L	0.0000
fl-east	05/23/89	TI	<	0.02000	MG/L	0.0000
fl-east	11/28/88	TOC		2.90000	UG/ML	0.0000
fl-east	03/06/89	TOC		1.90000	UG/ML	0.0000
fl-east	05/23/89	TOC		2.30000	UG/ML	0.0000
fl-east	08/28/89	TOC		3.90000	UG/ML	0.0000
fl-east	11/28/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-east	03/06/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
fl-east	05/23/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
fl-east	11/28/88	TOX	<	5.00000	UG/L	0.0000
fl-east	03/06/89	TOX		37.00000	UG/L	0.0000
fl-east	05/23/89	TOX		5.00000	UG/L	0.0000
fl-east	11/28/88	TRITIUM		53.00000	BQ/L	45.0000
fl-east	03/06/89	TRITIUM		7.00000	BQ/L	31.0000
fl-east	05/23/89	TRITIUM		28.00000	BQ/L	31.0000
fl-east	08/28/89	TRITIUM		-99.00000	BQ/L	37.0000
fl-east	11/28/88	V	<	0.00400	MG/L	0.0000
fl-east	03/06/89	V		0.01300	MG/L	0.0000
fl-east	05/23/89	V	<	0.00400	MG/L	0.0000
fl-east	11/28/88	ZN		0.02800	MG/L	0.0000
fl-east	03/06/89	ZN		0.01600	MG/L	0.0000
fl-east	05/23/89	ZN		0.02400	MG/L	0.0000
fl-east	11/28/88	ZR	<	0.02000	MG/L	0.0000
fl-east	03/06/89	ZR	<	0.02000	MG/L	0.0000
fl-east	05/23/89	ZR	<	0.02000	MG/L	0.0000
fl-usgs	11/29/88	1,1,1-trichloroeth	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	1,1,1-trichloroeth	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	1,1,1-trichloroeth	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	1,1,1-trichloroeth	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	1,1,2,2-tetrachlor	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	1,1,2,2-tetrachlor	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	1,1,2,2-tetrachlor	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	1,1,2,2-tetrachlor	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	1,1,2-trichloroeth	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	1,1,2-trichloroeth	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	1,1,2-trichloroeth	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	1,1,2-trichloroeth	U	5.00000	UG/L	0.0000
fl-usgs	03/06/89	1,1-dichloroethane	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	1,1-dichloroethane	U	5.00000	UG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-usgs	08/28/89	1,1-dichloroethane	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	1,1-dichloroethene	U	5.00000	ug/L	0.0000
fl-usgs	05/23/89	1,1-dichloroethene	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	1,1-dichloroethene	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	1,2-dichloroethane	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	1,2-dichloroethane	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	1,2-dichloroethane	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	1,2-dichloroethane	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	1,2-dichloroethene	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	1,2-dichloroethene	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	1,2-dichloroethene	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	1,2-dichloroethene	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	1,2-dichloropropan	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	1,2-dichloropropan	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	1,2-dichloropropan	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	1,2-dichloropropan	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	2-butanone	U	10.00000	ug/L	0.0000
fl-usgs	03/06/89	2-butanone	U	10.00000	UG/L	0.0000
fl-usgs	05/23/89	2-butanone	U	10.00000	UG/L	0.0000
fl-usgs	08/28/89	2-butanone	U	10.00000	UG/L	0.0000
fl-usgs	11/29/88	2-hexanone	U	10.00000	ug/L	0.0000
fl-usgs	03/06/89	2-hexanone	U	10.00000	UG/L	0.0000
fl-usgs	05/23/89	2-hexanone	U	10.00000	UG/L	0.0000
fl-usgs	08/28/89	2-hexanone	U	10.00000	UG/L	0.0000
fl-usgs	11/29/88	4-methyl-2-pentano	U	10.00000	ug/L	0.0000
fl-usgs	03/06/89	4-methyl-2-pentano	U	10.00000	UG/L	0.0000
fl-usgs	05/23/89	4-methyl-2-pentano	U	10.00000	UG/L	0.0000
fl-usgs	08/28/89	4-methyl-2-pentano	U	10.00000	UG/L	0.0000
fl-usgs	11/29/88	AG	<	0.00500	MG/L	0.0000
fl-usgs	03/06/89	AG	<	0.00500	MG/L	0.0000
fl-usgs	05/23/89	AG	<	0.00500	MG/L	0.0000
fl-usgs	11/29/88	AL		0.20000	MG/L	0.0000
fl-usgs	03/06/89	AL		0.34000	MG/L	0.0000
fl-usgs	05/23/89	AL		0.31000	MG/L	0.0000
fl-usgs	11/29/88	ALKALINITY		92.50000	MG CACO3/L	0.0000
fl-usgs	03/06/89	ALKALINITY		68.00000	MG CACO3/L	0.0000
fl-usgs	05/23/89	ALKALINITY		131.30000	MG CACO3/L	0.0000
fl-usgs	11/29/88	AS	<	0.01000	UG/ML	0.0000
fl-usgs	03/06/89	AS	<	0.01000	UG/ML	0.0000
fl-usgs	05/23/89	AS	<	0.01000	UG/ML	0.0000
fl-usgs	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-usgs	11/29/88	B	<	0.08000	MG/L	0.0000
fl-usgs	03/06/89	B	<	0.08000	MG/L	0.0000
fl-usgs	05/23/89	B	<	0.08000	MG/L	0.0000
fl-usgs	11/29/88	BA		0.04200	MG/L	0.0000
fl-usgs	03/06/89	BA		0.02900	MG/L	0.0000
fl-usgs	05/23/89	BA		0.05400	MG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-usgs	11/29/88	BE		0.00140	MG/L	0.0000
fl-usgs	03/06/89	BE	<	0.00030	MG/L	0.0000
fl-usgs	05/23/89	BE	<	0.00040	MG/L	0.0000
fl-usgs	11/29/88	CA		36.00000	MG/L	0.0000
fl-usgs	03/06/89	CA		26.00000	MG/L	0.0000
fl-usgs	05/23/89	CA		47.00000	MG/L	0.0000
fl-usgs	11/29/88	CD	<	0.00200	MG/L	0.0000
fl-usgs	03/06/89	CD	<	0.00200	MG/L	0.0000
fl-usgs	05/23/89	CD	<	0.00200	MG/L	0.0000
fl-usgs	11/29/88	CHLORIDE		4.10000	MG/L	0.0000
fl-usgs	03/06/89	CHLORIDE		2.80000	MG/L	0.0000
fl-usgs	05/23/89	CHLORIDE		2.80000	MG/L	0.0000
fl-usgs	11/29/88	CO	<	0.00300	MG/L	0.0000
fl-usgs	03/06/89	CO	<	0.00300	MG/L	0.0000
fl-usgs	05/23/89	CO		0.00420	MG/L	0.0000
fl-usgs	11/29/88	CR	<	0.00500	MG/L	0.0000
fl-usgs	03/06/89	CR	<	0.00500	MG/L	0.0000
fl-usgs	05/23/89	CR		0.00320	MG/L	0.0000
fl-usgs	11/29/88	CU	<	0.01000	MG/L	0.0000
fl-usgs	03/06/89	CU	<	0.01000	MG/L	0.0000
fl-usgs	05/23/89	CU	<	0.01000	MG/L	0.0000
fl-usgs	11/29/88	FE		0.01800	MG/L	0.0000
fl-usgs	03/06/89	FE		0.16000	MG/L	0.0000
fl-usgs	05/23/89	FE		0.06600	MG/L	0.0000
fl-usgs	11/29/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-usgs	03/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-usgs	05/23/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-usgs	11/29/88	G-ALPHA		0.00000	BQ/L	0.0200
fl-usgs	03/06/89	G-ALPHA		-0.01000	BQ/L	0.0700
fl-usgs	05/23/89	G-ALPHA		0.03000	BQ/L	0.6700
fl-usgs	08/28/89	G-ALPHA		-0.28000	BQ/L	0.0900
fl-usgs	11/29/88	G-BETA		0.00000	BQ/L	0.0100
fl-usgs	03/06/89	G-BETA		0.01000	BQ/L	0.1800
fl-usgs	05/23/89	G-BETA		-0.10000	BQ/L	2.7000
fl-usgs	08/28/89	G-BETA		-1.10000	BQ/L	1.7000
fl-usgs	11/29/88	GA	<	0.30000	MG/L	0.0000
fl-usgs	05/23/89	GA	<	0.30000	MG/L	0.0000
fl-usgs	11/29/88	HG	<	0.00010	UG/ML	0.0000
fl-usgs	03/06/89	HG	<	0.00010	UG/ML	0.0000
fl-usgs	05/23/89	HG	<	0.00010	UG/ML	0.0000
fl-usgs	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-usgs	11/29/88	LI	<	0.20000	MG/L	0.0000
fl-usgs	03/06/89	LI	<	0.20000	MG/L	0.0000
fl-usgs	11/29/88	MG		3.70000	MG/L	0.0000
fl-usgs	03/06/89	MG		3.00000	MG/L	0.0000
fl-usgs	05/23/89	MG		4.80000	MG/L	0.0000
fl-usgs	11/29/88	MN		0.01000	MG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-usgs	03/06/89	MN	<	0.00200	MG/L	0.0000
fl-usgs	05/23/89	MN		0.04800	MG/L	0.0000
fl-usgs	11/29/88	MO	<	0.04000	MG/L	0.0000
fl-usgs	03/06/89	MO	<	0.04000	MG/L	0.0000
fl-usgs	05/23/89	MO	<	0.04000	MG/L	0.0000
fl-usgs	11/29/88	NA		3.40000	MG/L	0.0000
fl-usgs	03/06/89	NA		1.60000	MG/L	0.0000
fl-usgs	05/23/89	NA	<	2.00000	MG/L	0.0000
fl-usgs	11/29/88	NI	<	0.00500	MG/L	0.0000
fl-usgs	03/06/89	NI	<	0.00500	MG/L	0.0000
fl-usgs	05/23/89	NI	<	0.00600	MG/L	0.0000
fl-usgs	11/29/88	NITRATE	<	5.00000	MG/L	0.0000
fl-usgs	03/06/89	NITRATE	<	5.00000	MG/L	0.0000
fl-usgs	05/23/89	NITRATE	<	5.00000	MG/L	0.0000
fl-usgs	11/29/88	P	<	0.30000	MG/L	0.0000
fl-usgs	03/06/89	P	<	0.30000	MG/L	0.0000
fl-usgs	05/23/89	P	<	0.30000	MG/L	0.0000
fl-usgs	11/29/88	PB	<	0.05000	MG/L	0.0000
fl-usgs	03/06/89	PB	<	0.05000	MG/L	0.0000
fl-usgs	05/23/89	PB	<	0.03000	MG/L	0.0000
fl-usgs	11/29/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-usgs	03/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-usgs	05/23/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-usgs	11/29/88	SB	<	0.03000	MG/L	0.0000
fl-usgs	03/06/89	SB	<	0.03000	MG/L	0.0000
fl-usgs	05/23/89	SB	<	0.04000	MG/L	0.0000
fl-usgs	11/29/88	SE	<	0.00500	UG/ML	0.0000
fl-usgs	03/06/89	SE	<	0.00500	UG/ML	0.0000
fl-usgs	05/23/89	SE	<	0.00500	UG/ML	0.0000
fl-usgs	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-usgs	11/29/88	SI		2.90000	MG/L	0.0000
fl-usgs	03/06/89	SI		3.60000	MG/L	0.0000
fl-usgs	05/23/89	SI		3.40000	MG/L	0.0000
fl-usgs	11/29/88	SN	<	0.05000	MG/L	0.0000
fl-usgs	03/06/89	SN	<	0.05000	MG/L	0.0000
fl-usgs	05/23/89	SN	<	0.05000	MG/L	0.0000
fl-usgs	11/29/88	SR		0.07200	MG/L	0.0000
fl-usgs	05/23/89	SR		0.08400	MG/L	0.0000
fl-usgs	11/29/88	SULFATE		23.00000	MG/L	0.0000
fl-usgs	03/06/89	SULFATE		12.00000	MG/L	0.0000
fl-usgs	05/23/89	SULFATE		13.00000	MG/L	0.0000
fl-usgs	11/29/88	TI	<	0.02000	MG/L	0.0000
fl-usgs	03/06/89	TI		0.03200	MG/L	0.0000
fl-usgs	05/23/89	TI	<	0.02000	MG/L	0.0000
fl-usgs	11/29/88	TOC		2.10000	UG/ML	0.0000
fl-usgs	03/06/89	TOC		1.40000	UG/ML	0.0000
fl-usgs	05/23/89	TOC		2.20000	UG/ML	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-usgs	08/28/89	TOC		3.10000	UG/ML	0.0000
fl-usgs	11/29/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-usgs	03/06/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
fl-usgs	05/23/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
fl-usgs	11/29/88	TOX	<	5.00000	UG/L	0.0000
fl-usgs	03/06/89	TOX		10.00000	UG/L	0.0000
fl-usgs	05/23/89	TOX		6.00000	UG/L	0.0000
fl-usgs	11/29/88	TRITIUM		81.00000	BQ/L	46.0000
fl-usgs	03/06/89	TRITIUM		14.00000	BQ/L	32.0000
fl-usgs	05/23/89	TRITIUM		45.00000	BQ/L	32.0000
fl-usgs	08/28/89	TRITIUM		28.00000	BQ/L	29.0000
fl-usgs	11/29/88	V		0.00410	MG/L	0.0000
fl-usgs	03/06/89	V		0.01300	MG/L	0.0000
fl-usgs	05/23/89	V	<	0.00400	MG/L	0.0000
fl-usgs	11/29/88	ZN		0.02600	MG/L	0.0000
fl-usgs	03/06/89	ZN		0.01500	MG/L	0.0000
fl-usgs	05/23/89	ZN		0.03200	MG/L	0.0000
fl-usgs	11/29/88	ZR	<	0.02000	MG/L	0.0000
fl-usgs	03/06/89	ZR	<	0.02000	MG/L	0.0000
fl-usgs	05/23/89	ZR	<	0.02000	MG/L	0.0000
fl-usgs	11/29/88	acetone	U	10.00000	ug/L	0.0000
fl-usgs	03/06/89	acetone	JB	2.00000	UG/L	0.0000
fl-usgs	05/23/89	acetone	U	10.00000	UG/L	0.0000
fl-usgs	08/28/89	acetone	JB	8.00000	UG/L	0.0000
fl-usgs	11/29/88	benzene	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	benzene	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	benzene	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	benzene	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	bromodichlorometha	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	bromodichlorometha	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	bromodichlorometha	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	bromodichlorometha	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	bromoform	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	bromoform	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	bromoform	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	bromoform	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	bromomethane	U	10.00000	ug/L	0.0000
fl-usgs	03/06/89	bromomethane	U	10.00000	UG/L	0.0000
fl-usgs	05/23/89	bromomethane	U	10.00000	UG/L	0.0000
fl-usgs	08/28/89	bromomethane	U	10.00000	UG/L	0.0000
fl-usgs	11/29/88	carbon disulfide	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	carbon disulfide	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	carbon disulfide	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	carbon disulfide	JB	2.00000	UG/L	0.0000
fl-usgs	11/29/88	carbon tetrachlori	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	carbon tetrachlori	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	carbon tetrachlori	U	5.00000	UG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-usgs	08/28/89	carbon tetrachlori	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	chlorobenzene	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	chlorobenzene	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	chlorobenzene	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	chlorobenzene	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	chloroethane	U	10.00000	ug/L	0.0000
fl-usgs	03/06/89	chloroethane	U	10.00000	UG/L	0.0000
fl-usgs	05/23/89	chloroethane	U	10.00000	UG/L	0.0000
fl-usgs	08/28/89	chloroethane	U	10.00000	UG/L	0.0000
fl-usgs	11/29/88	chloroform	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	chloroform	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	chloroform	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	chloroform	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	chloromethane	U	10.00000	ug/L	0.0000
fl-usgs	03/06/89	chloromethane	U	10.00000	UG/L	0.0000
fl-usgs	05/23/89	chloromethane	U	10.00000	UG/L	0.0000
fl-usgs	08/28/89	chloromethane	U	10.00000	UG/L	0.0000
fl-usgs	11/29/88	cis-1,3-dichloropr	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	cis-1,3-dichloropr	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	cis-1,3-dichloropr	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	cis-1,3-dichloropr	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	dibromochlorometha	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	dibromochlorometha	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	dibromochlorometha	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	dibromochlorometha	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	ethylbenzene	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	ethylbenzene	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	ethylbenzene	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	ethylbenzene	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	methylene chloride	JB	1.00000	ug/L	0.0000
fl-usgs	03/06/89	methylene chloride	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	methylene chloride	JB	1.00000	UG/L	0.0000
fl-usgs	08/28/89	methylene chloride	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	styrene	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	styrene	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	styrene	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	styrene	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	tetrachloroethene	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	tetrachloroethene	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	tetrachloroethene	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	tetrachloroethene	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	toluene	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	toluene	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	toluene	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	toluene	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	trans-1,3-dichloro	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	trans-1,3-dichloro	U	5.00000	UG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-usgs	05/23/89	trans-1,3-dichloro	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	trans-1,3-dichloro	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	trichloroethene	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	trichloroethene	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	trichloroethene	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	trichloroethene	U	5.00000	UG/L	0.0000
fl-usgs	11/29/88	vinyl acetate	U	10.00000	ug/L	0.0000
fl-usgs	03/06/89	vinyl acetate	U	10.00000	UG/L	0.0000
fl-usgs	05/23/89	vinyl acetate	U	10.00000	UG/L	0.0000
fl-usgs	08/28/89	vinyl acetate	U	10.00000	UG/L	0.0000
fl-usgs	11/29/88	vinyl chloride	U	10.00000	ug/L	0.0000
fl-usgs	03/06/89	vinyl chloride	U	10.00000	UG/L	0.0000
fl-usgs	05/23/89	vinyl chloride	U	10.00000	UG/L	0.0000
fl-usgs	08/28/89	vinyl chloride	U	10.00000	UG/L	0.0000
fl-usgs	11/29/88	xylene (total)	U	5.00000	ug/L	0.0000
fl-usgs	03/06/89	xylene (total)	U	5.00000	UG/L	0.0000
fl-usgs	05/23/89	xylene (total)	U	5.00000	UG/L	0.0000
fl-usgs	08/28/89	xylene (total)	U	5.00000	UG/L	0.0000
fl-west	11/29/88	AG	<	0.00500	MG/L	0.0000
fl-west	03/06/89	AG	<	0.00500	MG/L	0.0000
fl-west	05/23/89	AG	<	0.00500	MG/L	0.0000
fl-west	11/29/88	AL		0.09900	MG/L	0.0000
fl-west	03/06/89	AL		0.19000	MG/L	0.0000
fl-west	05/23/89	AL		0.12000	MG/L	0.0000
fl-west	11/29/88	ALKALINITY		41.25000	MG CACO3/L	0.0000
fl-west	03/06/89	ALKALINITY		20.00000	MG CACO3/L	0.0000
fl-west	05/23/89	ALKALINITY		65.00000	MG CACO3/L	0.0000
fl-west	11/29/88	AS	<	0.01000	UG/ML	0.0000
fl-west	03/06/89	AS	<	0.01000	UG/ML	0.0000
fl-west	05/23/89	AS	<	0.01000	UG/ML	0.0000
fl-west	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-west	11/29/88	B	<	0.08000	MG/L	0.0000
fl-west	03/06/89	B	<	0.08000	MG/L	0.0000
fl-west	05/23/89	B	<	0.08000	MG/L	0.0000
fl-west	11/29/88	BA		0.04500	MG/L	0.0000
fl-west	03/06/89	BA		0.03100	MG/L	0.0000
fl-west	05/23/89	BA		0.05800	MG/L	0.0000
fl-west	11/29/88	BE		0.00040	MG/L	0.0000
fl-west	03/06/89	BE	<	0.00030	MG/L	0.0000
fl-west	05/23/89	BE	<	0.00040	MG/L	0.0000
fl-west	11/29/88	CA		19.00000	MG/L	0.0000
fl-west	03/06/89	CA		8.90000	MG/L	0.0000
fl-west	05/23/89	CA		20.00000	MG/L	0.0000
fl-west	11/29/88	CD		0.00600	MG/L	0.0000
fl-west	03/06/89	CD	<	0.00200	MG/L	0.0000
fl-west	05/23/89	CD	<	0.00200	MG/L	0.0000
fl-west	11/29/88	CHLORIDE		4.70000	MG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-west	03/06/89	CHLORIDE		2.20000	MG/L	0.0000
fl-west	05/23/89	CHLORIDE		2.60000	MG/L	0.0000
fl-west	11/29/88	CO	<	0.00300	MG/L	0.0000
fl-west	03/06/89	CO	<	0.00300	MG/L	0.0000
fl-west	05/23/89	CO		0.00420	MG/L	0.0000
fl-west	11/29/88	CR	<	0.00500	MG/L	0.0000
fl-west	03/06/89	CR	<	0.00500	MG/L	0.0000
fl-west	05/23/89	CR		0.00380	MG/L	0.0000
fl-west	11/29/88	CU	<	0.01000	MG/L	0.0000
fl-west	03/06/89	CU	<	0.01000	MG/L	0.0000
fl-west	05/23/89	CU	<	0.01000	MG/L	0.0000
fl-west	11/29/88	FE		0.02000	MG/L	0.0000
fl-west	03/06/89	FE		0.15000	MG/L	0.0000
fl-west	05/23/89	FE		0.12000	MG/L	0.0000
fl-west	11/29/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-west	03/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-west	05/23/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-west	11/29/88	G-ALPHA		0.02000	BQ/L	0.0400
fl-west	03/06/89	G-ALPHA		-0.01000	BQ/L	0.0100
fl-west	05/23/89	G-ALPHA		0.27000	BQ/L	0.6800
fl-west	08/28/89	G-ALPHA		0.60000	BQ/L	1.0000
fl-west	11/29/88	G-BETA		0.09000	BQ/L	0.0600
fl-west	03/06/89	G-BETA		0.20000	BQ/L	0.3100
fl-west	05/23/89	G-BETA		-0.70000	BQ/L	1.7000
fl-west	08/28/89	G-BETA		0.60000	BQ/L	1.9000
fl-west	11/29/88	GA	<	0.30000	MG/L	0.0000
fl-west	05/23/89	GA	<	0.30000	MG/L	0.0000
fl-west	11/29/88	HG	<	0.00010	UG/ML	0.0000
fl-west	03/06/89	HG	<	0.00010	UG/ML	0.0000
fl-west	05/23/89	HG	<	0.00010	UG/ML	0.0000
fl-west	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-west	11/29/88	LI	<	0.20000	MG/L	0.0000
fl-west	03/06/89	LI	<	0.20000	MG/L	0.0000
fl-west	11/29/88	MG		4.90000	MG/L	0.0000
fl-west	03/06/89	MG		2.90000	MG/L	0.0000
fl-west	05/23/89	MG		5.70000	MG/L	0.0000
fl-west	11/29/88	MN		0.00370	MG/L	0.0000
fl-west	03/06/89	MN	<	0.00200	MG/L	0.0000
fl-west	05/23/89	MN		0.07400	MG/L	0.0000
fl-west	11/29/88	MO	<	0.04000	MG/L	0.0000
fl-west	03/06/89	MO	<	0.04000	MG/L	0.0000
fl-west	05/23/89	MO	<	0.04000	MG/L	0.0000
fl-west	11/29/88	NA		3.90000	MG/L	0.0000
fl-west	03/06/89	NA		1.50000	MG/L	0.0000
fl-west	05/23/89	NA	<	2.00000	MG/L	0.0000
fl-west	11/29/88	NI	<	0.00500	MG/L	0.0000
fl-west	03/06/89	NI	<	0.00500	MG/L	0.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-west	05/23/89	NI	<	0.00600	MG/L	0.0000
fl-west	11/29/88	NITRATE	<	5.00000	MG/L	0.0000
fl-west	03/06/89	NITRATE	<	5.00000	MG/L	0.0000
fl-west	05/23/89	NITRATE	<	5.00000	MG/L	0.0000
fl-west	11/29/88	P	<	0.30000	MG/L	0.0000
fl-west	03/06/89	P	<	0.30000	MG/L	0.0000
fl-west	05/23/89	P	<	0.30000	MG/L	0.0000
fl-west	11/29/88	PB	<	0.05000	MG/L	0.0000
fl-west	03/06/89	PB	<	0.05000	MG/L	0.0000
fl-west	05/23/89	PB	<	0.03000	MG/L	0.0000
fl-west	11/29/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-west	03/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-west	05/23/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-west	11/29/88	SB	<	0.03000	MG/L	0.0000
fl-west	03/06/89	SB	<	0.03000	MG/L	0.0000
fl-west	05/23/89	SB	<	0.04000	MG/L	0.0000
fl-west	11/29/88	SE	<	0.00500	UG/ML	0.0000
fl-west	03/06/89	SE	<	0.00500	UG/ML	0.0000
fl-west	05/23/89	SE	<	0.00500	UG/ML	0.0000
fl-west	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-west	11/29/88	SI		2.80000	MG/L	0.0000
fl-west	03/06/89	SI		3.70000	MG/L	0.0000
fl-west	05/23/89	SI		3.10000	MG/L	0.0000
fl-west	11/29/88	SN	<	0.05000	MG/L	0.0000
fl-west	03/06/89	SN	<	0.05000	MG/L	0.0000
fl-west	05/23/89	SN	<	0.05000	MG/L	0.0000
fl-west	11/29/88	SR		0.06100	MG/L	0.0000
fl-west	05/23/89	SR		0.05800	MG/L	0.0000
fl-west	11/29/88	SULFATE		37.00000	MG/L	0.0000
fl-west	03/06/89	SULFATE		16.00000	MG/L	0.0000
fl-west	05/23/89	SULFATE		21.00000	MG/L	0.0000
fl-west	11/29/88	TI	<	0.02000	MG/L	0.0000
fl-west	03/06/89	TI		0.02800	MG/L	0.0000
fl-west	05/23/89	TI	<	0.02000	MG/L	0.0000
fl-west	11/29/88	TOC		2.40000	UG/ML	0.0000
fl-west	03/06/89	TOC		1.20000	UG/ML	0.0000
fl-west	05/23/89	TOC		2.40000	UG/ML	0.0000
fl-west	08/28/89	TOC		4.20000	UG/ML	0.0000
fl-west	11/29/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-west	03/06/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
fl-west	05/23/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
fl-west	11/29/88	TOX	<	5.00000	UG/L	0.0000
fl-west	03/06/89	TOX		7.00000	UG/L	0.0000
fl-west	05/23/89	TOX	<	5.00000	UG/L	0.0000
fl-west	11/29/88	TRITIUM		68.00000	BQ/L	45.0000
fl-west	03/06/89	TRITIUM		9.00000	BQ/L	31.0000
fl-west	05/23/89	TRITIUM		28.00000	BQ/L	32.0000

Table 2.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-west	08/28/89	TRITIUM		-110.00000	BQ/L	40.0000
fl-west	11/29/88	V		0.00410	MG/L	0.0000
fl-west	03/06/89	V		0.01300	MG/L	0.0000
fl-west	05/23/89	V	<	0.00400	MG/L	0.0000
fl-west	11/29/88	ZN		0.00850	MG/L	0.0000
fl-west	03/06/89	ZN		0.01200	MG/L	0.0000
fl-west	05/23/89	ZN		0.02500	MG/L	0.0000
fl-west	11/29/88	ZR	<	0.02000	MG/L	0.0000
fl-west	03/06/89	ZR	<	0.02000	MG/L	0.0000
fl-west	05/23/89	ZR	<	0.02000	MG/L	0.0000

*Explanation of data qualifiers (QL): "U" indicates compound was analyzed for but not detected. "J" indicates that the quantitative value is estimated. "B" appears for a compound that was detected in both the sample and its associated blank. "E" indicates that the reported concentration of the compound exceeded the calibration range of the instrument.

**The uncertainty value was determined only for the radiological parameters and is a measure of decay counting statistics for the analyses.

3. WEST BEAR CREEK VALLEY

The LLWDDD West Bear Creek Valley site is located about 5 miles west of the Y-12 Plant and 1 mile north of ORNL adjacent to Tennessee Highway 95 (Fig. 1.1). The site consists of about 300 acres of relatively flat to gently sloping land. The wells and surface water flumes included in the data collection for the Bear Creek site are listed in Table 1.3. The sites for measuring precipitation and surface water discharge volumes are given in Tables 1.4 and 1.5.

3.1 GROUNDWATER

3.1.1 Water Table Elevations

Because the data package published at the end of FY88 did not include water-elevation data for May-September, these data are provided in Table 3.1. Statistical data on the water elevations for this time period are given in Table 3.2. Graphic displays of 1988 data for selected wells are presented in Fig. 3.1.

The depth to water for the Bear Creek wells (see Table 1.3) has been measured on 15 dates in FY89. Elevations of water in the wells on each of these dates are presented in Tables 3.3 and 3.4. The maximum, minimum, and average water elevations and the fluctuation range for each well for FY89 are presented in Table 3.5. Graphic displays of 1989 data for selected wells are presented in Fig. 3.3.

3.1.2 Groundwater Quality

Groundwater from selected wells at the West Bear Creek Valley site is sampled and analyzed for water quality once per quarter (see Sect. 1.4). This report contains field sampling data and chemical analysis data obtained during all four quarters of FY89. Field parameters obtained during the sampling process are given in Table 3.6. Data from the chemical analysis of the samples are given in Table 3.7.

3.2 SURFACE WATER

3.2.1 Precipitation

Precipitation data for calendar year 1988 and for January-August of 1989 for the Bear Creek Burial Ground data collection site are provided in Tables 3.8 and 3.9, respectively. The graphic representation of the 1988 and 1989 precipitation data is presented in Figs. 3.2 and 3.4, respectively.

3.2.2 Surface Water Discharge

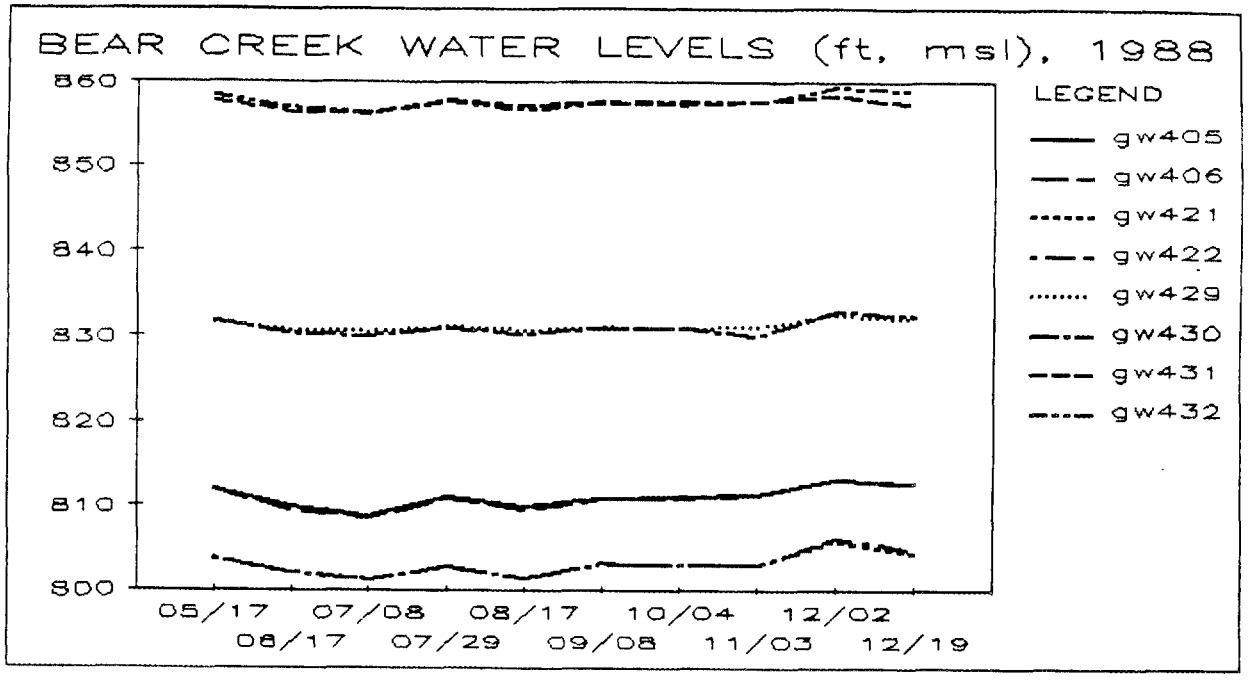
Surface water discharge data for six collection points during calendar year 1988 are provided in Table 3.10; Fig. 3.2 shows the discharge at the BUR collection station. Data for January-September of calendar year 1989 are shown in Table 3.11 and Fig. 3.4.

3.2.3 Surface Water Quality

As with the groundwater quality data collection effort, samples are collected once per quarter. The field data collected during the fourth quarter of FY88 and all four quarters of FY89 are given in Table 3.12. The chemical parameters are reported in Table 3.13.

3.3 BEAR CREEK VALLEY MODEL VALIDATION SITE

Water elevation data from thirteen measurement dates for wells at the Bear Creek Model Validation site are given in Tables 3.14 through 3.16.



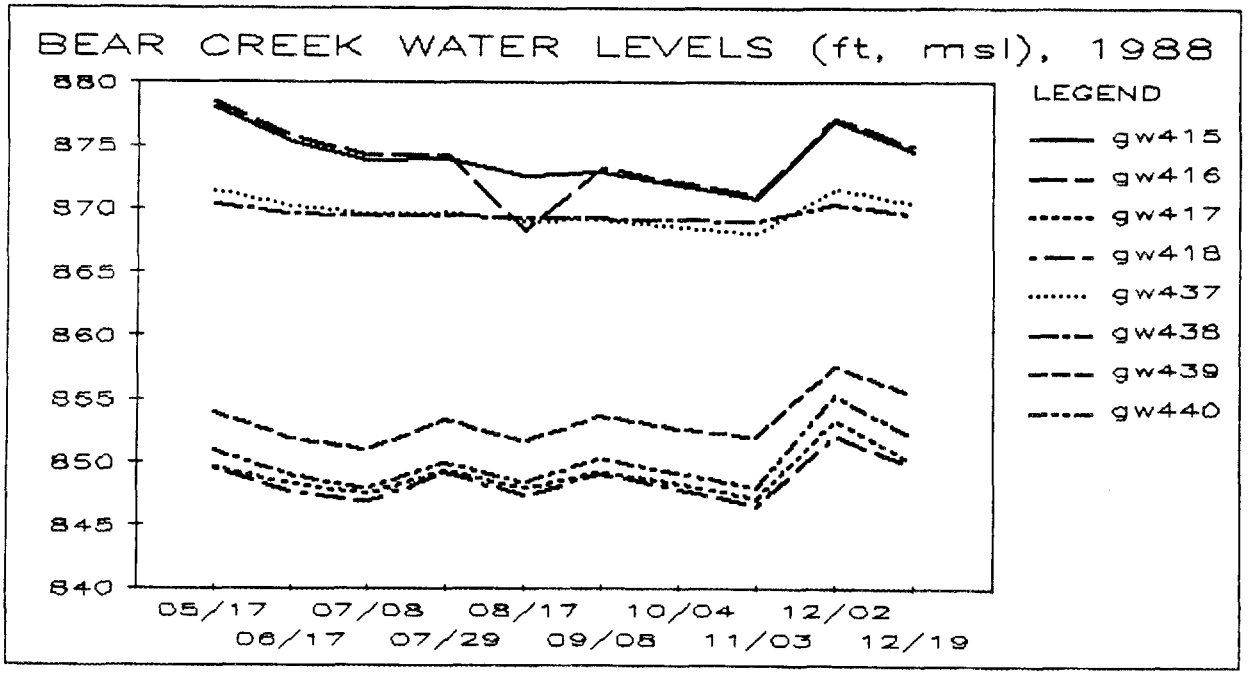
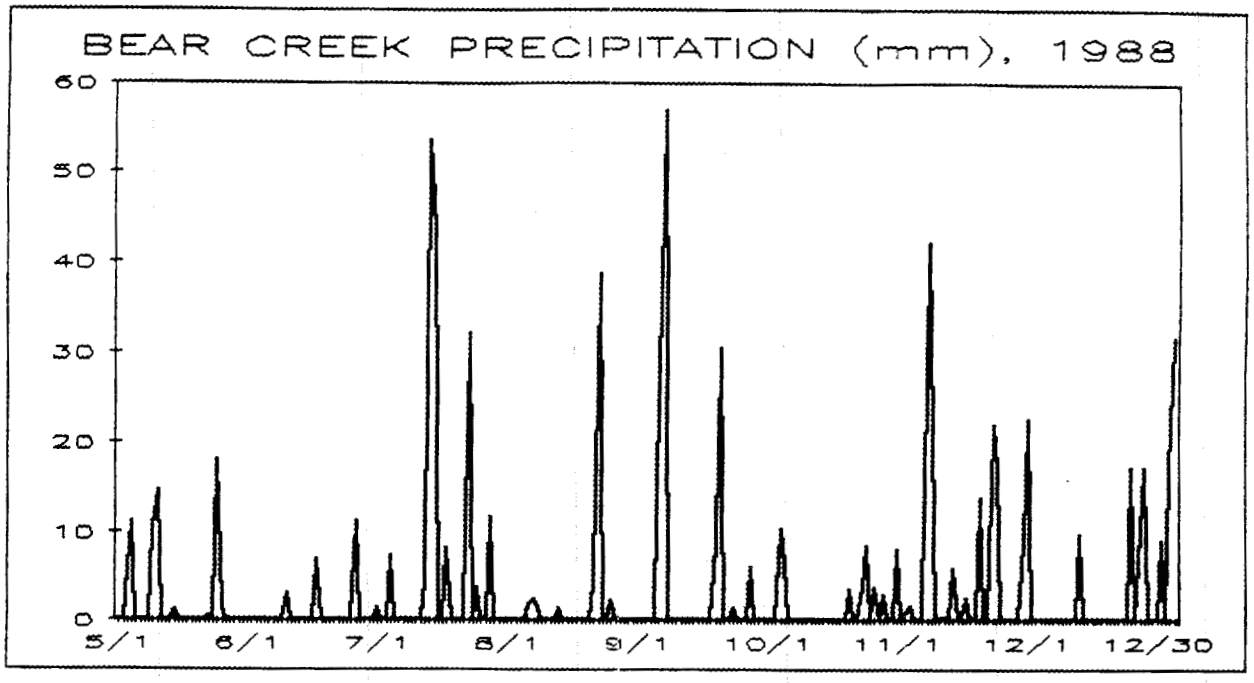


Fig. 3.1. Water elevations (feet above sea level) in selected wells for the Bear Creek site, 1988 calendar year.



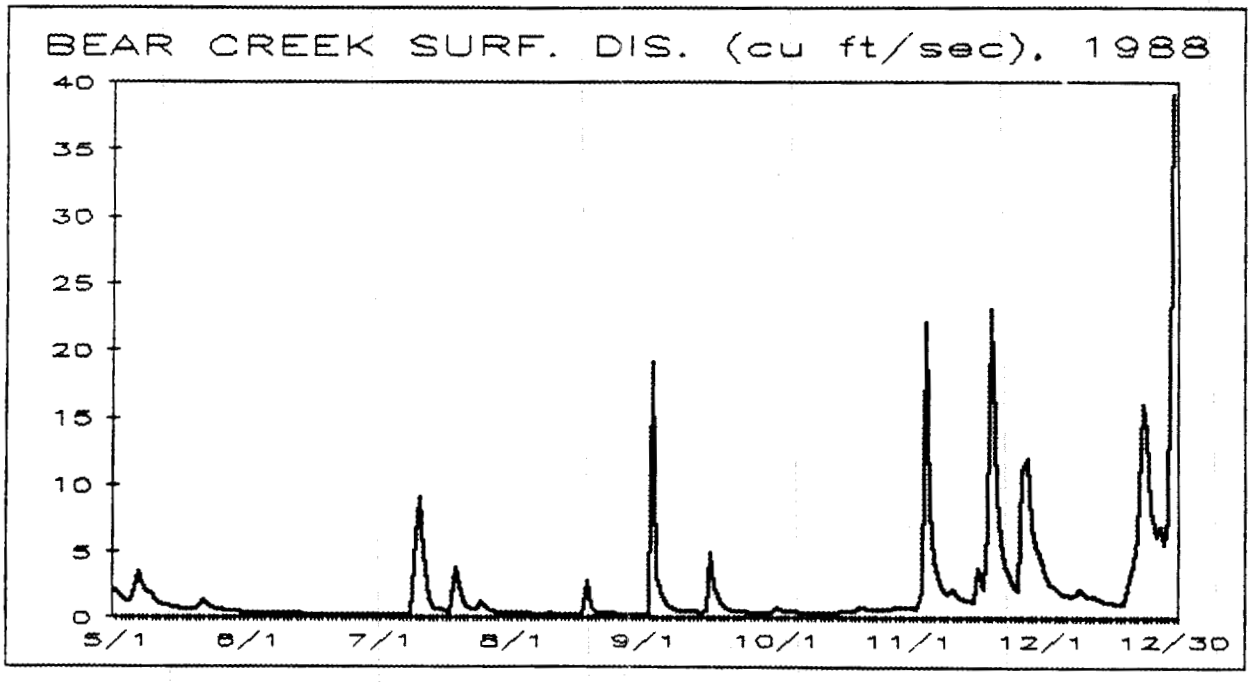
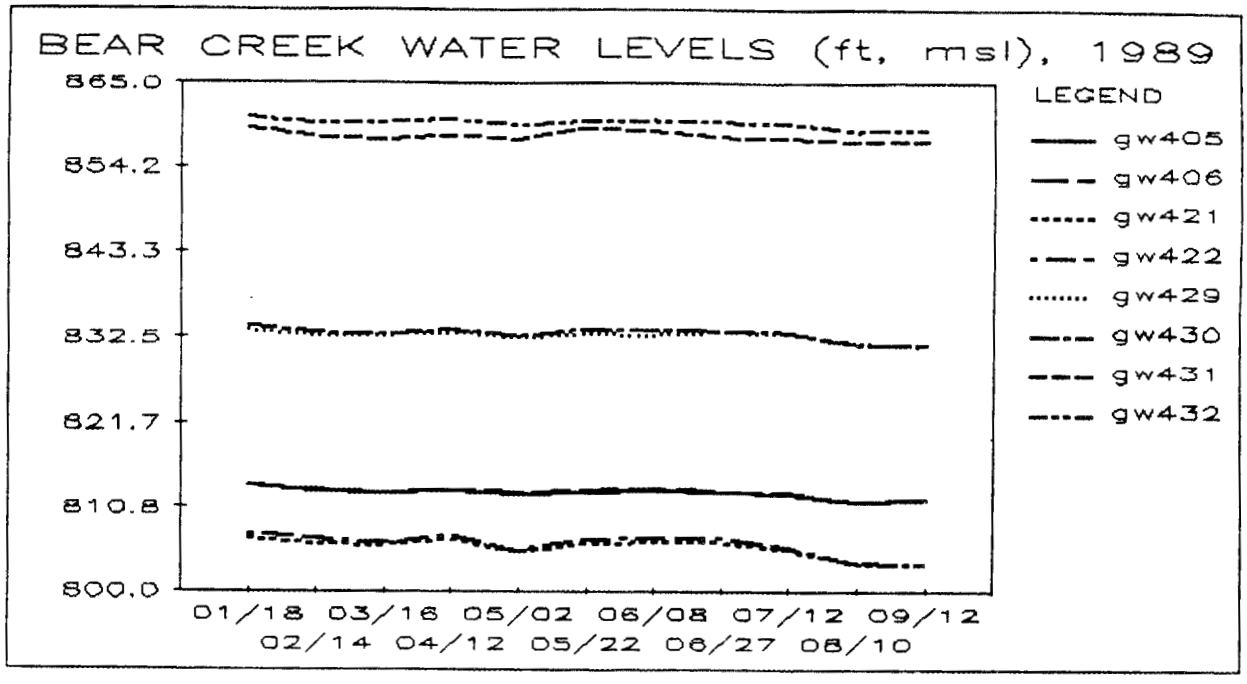


Fig. 3.2. A comparison of precipitation (mm) at the BUR collection station and average surface water discharge (cu ft/sec) at the GS7 discharge station for the Bear Creek site, 1988 calendar year.



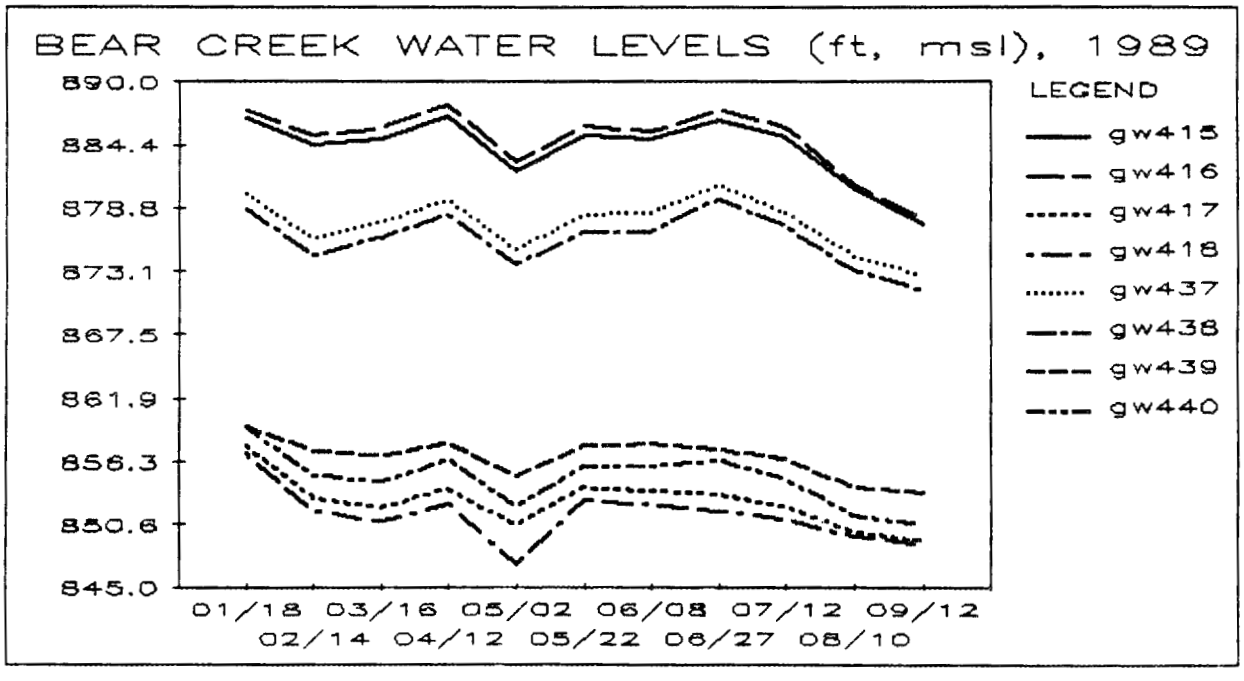
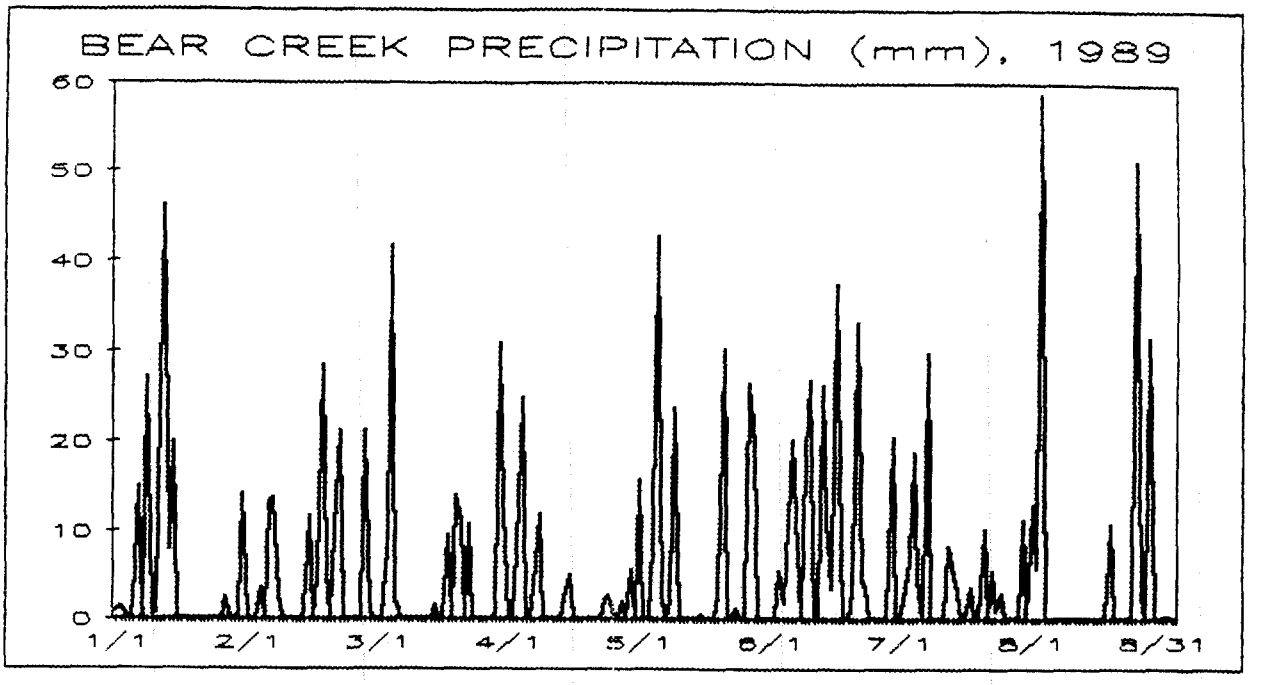


Fig. 3.3. Water elevations (feet above sea level) in selected wells for the Bear Creek site, 1989 calendar year.



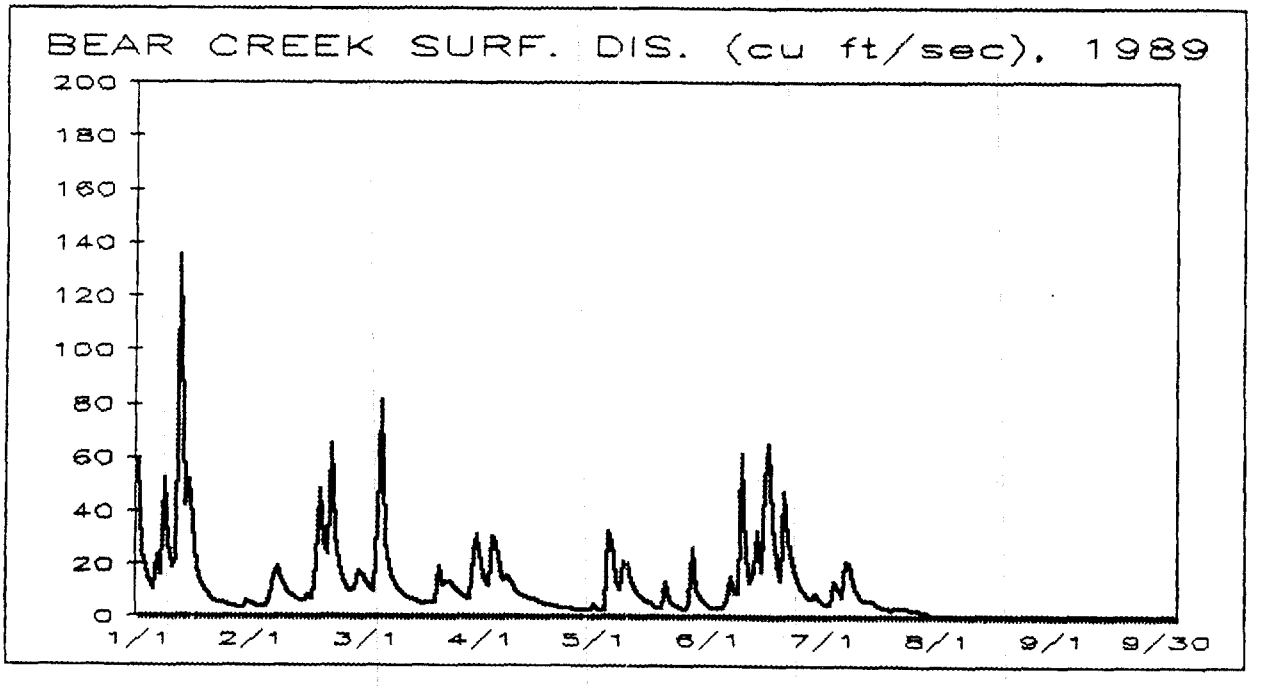


Fig. 3.4. A comparison of precipitation (mm) at the BUR collection station station and average daily surface water discharge (cu ft/sec) at the GS7 discharge station for the Bear Creek site, 1989 calendar year.

Table 3.1. Water elevation in wells for Bear Creek site
May - September 1988*
(feet above sea level)

Well ID	May 17 1988	Jun 17 1988	Jul 8 1988	Jul 29 1988	Aug 17 1988	Sep 8 1988
gw401	0.00	0.00	0.00	0.00	0.00	0.00
gw402	801.23	809.25	811.35	811.35	811.35	811.35
gw405	811.79	809.74	808.76	810.92	809.78	810.85
gw406	811.79	809.44	808.46	810.76	809.44	810.65
gw407	827.50	826.65	826.09	827.42	826.66	827.43
gw408	827.58	827.27	826.98	827.22	827.18	827.23
gw409	851.31	850.00	849.13	849.89	848.87	849.29
gw410	0.00	0.00	0.00	0.00	0.00	0.00
gw411	859.54	857.74	857.31	859.11	857.84	859.25
gw412	859.68	858.23	857.52	859.09	857.98	859.09
gw413	878.69	878.50	879.39	878.52	878.42	878.53
gw414	871.83	870.43	869.46	869.98	869.04	869.34
gw415	877.94	875.18	873.67	873.88	872.45	872.86
gw416	878.45	875.65	874.11	874.17	868.19	873.12
gw417	849.59	848.21	847.42	849.26	847.84	849.23
gw418	849.50	847.63	846.80	849.08	847.26	849.04
gw419	830.40	828.35	827.33	827.49	826.73	826.87
gw420	829.67	827.42	826.32	826.69	825.76	826.06
gw421	803.56	802.01	801.15	802.66	801.26	802.99
gw422	803.75	801.93	801.16	802.65	801.26	803.02
gw423	805.67	804.01	803.19	804.20	803.38	804.64
gw424	0.00	0.00	0.00	0.00	0.00	0.00
gw425	808.83	808.27	807.95	808.26	807.91	808.30
gw426	0.00	0.00	0.00	0.00	0.00	0.00
gw427	807.20	805.70	804.65	806.55	804.74	806.62
gw428	807.19	805.68	804.63	806.53	804.72	806.59
gw429	831.54	830.61	830.42	831.02	830.56	830.88
gw430	831.63	830.27	829.86	830.88	830.10	830.87
gw431	857.63	856.31	856.08	857.72	857.06	857.54
gw432	858.29	856.81	856.16	857.53	856.57	857.43
gw433	864.39	862.67	862.12	863.45	862.45	863.89
gw434	866.26	865.01	864.34	865.66	864.62	866.08
gw435	894.27	0.00	0.00	0.00	0.00	0.00
gw436	887.85	887.05	886.50	887.09	886.38	886.98
gw437	871.33	870.17	869.52	869.60	868.98	869.04
gw438	870.33	869.49	869.41	869.32	869.25	869.15
gw439	853.93	851.86	850.94	853.27	851.59	853.60
gw440	850.91	848.93	847.83	849.95	848.30	850.26
gw441	817.88	816.99	816.60	816.76	816.25	817.00
gw442	0.00	0.00	0.00	0.00	0.00	0.00
gw443	819.83	819.16	819.00	819.16	818.74	819.61
gw445	839.67	838.56	838.07	838.83	837.78	838.79
gw447	865.01	864.72	864.61	865.07	864.63	865.75

Table 3.1 (continued)

Well ID	May 17 1988	Jun 17 1988	Jul 8 1988	Jul 29 1988	Aug 17 1988	Sep 8 1988
gw448	865.14	864.76	864.51	864.86	864.52	864.90
gw449	0.00	0.00	0.00	0.00	0.00	0.00
gw450	904.26	903.18	902.47	903.21	902.47	902.81
gw451	913.87	913.52	913.22	913.03	912.61	0.00
gw452	862.77	860.70	859.77	861.66	860.06	861.98
llhaz13	766.85	776.61	789.77	796.95	802.70	808.81
llhaz14	891.86	890.71	890.06	890.14	889.81	889.73
llhaz15	878.58	878.26	877.66	877.30	876.93	876.48

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 3.2. Statistical water-elevation data by well ID
for Bear Creek Site, May - September 1988
(feet mean sea level)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
gw401	0.00	0.00	0.00	0.00
gw402	811.35	809.25	2.10	809.31
gw405	810.92	808.76	2.16	810.31
gw406	810.76	808.46	2.30	810.09
gw407	827.43	826.09	1.34	826.96
gw408	827.27	826.98	0.29	827.24
gw409	850.00	848.87	1.13	849.75
gw410	0.00	0.00	0.00	0.00
gw411	859.25	857.31	1.94	858.47
gw412	859.09	857.52	1.57	858.60
gw413	879.39	878.42	0.97	878.67
gw414	870.43	869.04	1.39	870.01
gw415	875.18	872.45	2.73	874.33
gw416	875.65	868.19	7.46	873.95
gw417	849.26	847.42	1.84	848.59
gw418	849.08	846.80	2.28	848.22
gw419	828.35	826.73	1.62	827.86
gw420	827.42	825.76	1.66	826.99
gw421	802.99	801.15	1.84	802.27
gw422	803.02	801.16	1.86	802.30
gw423	804.64	803.19	1.45	804.18
gw424	0.00	0.00	0.00	0.00
gw425	808.30	807.91	0.39	808.25
gw426	0.00	0.00	0.00	0.00
gw427	806.62	804.65	1.97	805.91
gw428	806.59	804.63	1.96	805.89
gw429	831.02	830.42	0.60	830.84
gw430	830.88	829.86	1.02	830.60
gw431	857.72	856.08	1.64	857.06
gw432	857.53	856.16	1.37	857.13
gw433	863.89	862.12	1.77	863.16
gw434	866.08	864.34	1.74	865.33
gw435	0.00	0.00	0.00	0.00
gw436	887.09	886.38	0.71	886.98
gw437	870.17	868.98	1.19	869.77
gw438	869.49	869.15	0.34	869.49
gw439	853.60	850.94	2.66	852.53
gw440	850.26	847.83	2.43	849.36
gw441	817.00	816.25	0.75	816.91
gw442	0.00	0.00	0.00	0.00
gw443	819.61	818.74	0.87	819.25
gw445	838.83	837.78	1.05	838.62
gw447	865.75	864.61	1.14	864.97

Table 3.2 (continued)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
gw448	864.90	864.51	0.39	864.78
gw449	0.00	0.00	0.00	0.00
gw450	903.21	902.47	0.74	903.07
gw451	913.52	912.61	0.91	913.25
gw452	861.98	859.77	2.21	861.16
llhaz13	808.81	776.61	32.20	790.28
llhaz14	890.71	889.73	0.98	890.38
llhaz15	878.26	876.48	1.78	877.54

*Comments: If the water elevation is listed as zero (0.00), then no data were collected during any sample collections.

Table 3.3. Water elevation in wells for Bear Creek site, FY89*
(quarters 1 and 2)
(feet above sea level)

Well ID	Oct 4 1988	Nov 3 1988	Dec 2 1988	Dec 19 1988	Jan 18 1989	Feb 14 1989	Mar 16 1989
gw136	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw401	828.16	826.37	825.08	824.49	823.60	822.92	822.35
gw402	811.35	811.35	0.00	0.00	0.00	811.27	811.36
gw405	810.94	811.23	812.94	812.45	813.63	812.89	812.61
gw406	810.77	811.24	813.00	812.52	813.58	813.04	812.64
gw407	827.39	827.33	828.02	827.75	829.90	828.64	828.01
gw408	827.30	827.28	827.80	827.60	828.88	828.11	828.30
gw409	848.47	847.37	851.25	850.07	857.07	854.59	855.20
gw410	0.00	0.00	0.00	0.00	863.64	0.00	0.00
gw411	859.48	858.44	861.52	859.77	862.20	862.08	861.43
gw412	859.85	858.27	862.05	860.26	862.86	862.21	861.84
gw413	878.45	878.33	878.87	878.68	881.62	880.74	881.82
gw414	868.72	867.77	870.71	869.98	875.04	873.53	873.66
gw415	871.75	870.66	876.94	874.51	886.64	884.38	884.84
gw416	872.05	870.99	877.09	874.87	887.33	885.16	885.79
gw417	848.26	847.09	853.25	850.02	857.65	852.94	852.03
gw418	847.82	846.49	852.01	849.69	856.89	851.80	850.84
gw419	826.20	825.59	830.22	829.45	836.36	833.90	835.02
gw420	825.25	824.59	830.12	828.91	835.19	833.07	833.54
gw421	802.78	802.78	805.75	804.21	806.72	806.01	805.85
gw422	802.79	802.80	806.08	804.56	807.26	806.79	806.17
gw423	804.19	804.04	808.86	806.27	810.60	809.06	808.93
gw424	0.00	0.00	0.00	0.00	810.90	0.00	0.00
gw425	808.05	807.92	810.86	808.75	817.32	812.00	812.11
gw426	0.00	0.00	0.00	0.00	816.28	811.33	811.41
gw427	806.57	806.72	812.05	807.87	815.25	813.57	812.54
gw428	806.54	806.69	812.36	807.86	815.78	814.57	813.08
gw429	830.86	831.01	832.40	831.88	833.28	832.64	832.68
gw430	830.76	829.89	832.92	832.23	833.80	833.03	832.84
gw431	857.22	857.53	858.29	857.11	859.05	857.83	857.53
gw432	857.53	857.46	859.36	858.90	860.33	859.63	859.75
gw433	863.35	863.20	865.09	864.58	865.41	864.99	864.81
gw434	865.49	865.28	867.36	866.48	867.91	867.11	866.87
gw435	0.00	0.00	0.00	0.00	895.60	894.55	894.78
gw436	886.61	885.91	887.87	887.35	889.53	888.74	888.88
gw437	868.51	867.97	871.52	870.34	879.94	875.91	877.38
gw438	869.05	868.91	870.26	869.50	878.58	874.47	876.09

Table 3.3 (continued)

Well ID	Oct 4 1988	Nov 3 1988	Dec 2 1988	Dec 19 1988	Jan 18 1989	Feb 14 1989	Mar 16 1989
gw439	852.58	851.97	857.58	855.30	859.32	857.19	856.67
gw440	849.06	847.97	855.29	851.96	859.27	854.93	854.38
gw441	816.40	815.94	819.96	817.78	830.64	822.92	823.26
gw442	0.00	0.00	824.57	0.00	832.27	824.98	834.94
gw443	819.48	819.53	821.17	820.23	823.76	821.81	821.56
gw445	838.21	837.35	840.11	839.75	841.81	840.78	841.00
gw447	864.87	864.53	865.75	865.22	866.75	865.76	865.70
gw448	864.79	864.74	865.35	865.16	866.08	865.64	865.55
gw449	0.00	0.00	923.70	923.49	924.96	923.97	924.08
gw450	902.52	901.79	904.45	903.51	908.44	906.51	906.95
gw451	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw452	861.03	859.99	865.44	863.90	866.60	865.14	864.81
gw460	0.00	0.00	0.00	0.00	0.00	0.00	836.99
gw461	0.00	0.00	0.00	0.00	0.00	0.00	829.79
gw469	0.00	0.00	825.69	826.46	828.78	829.36	830.51
gw470	0.00	0.00	0.00	808.82	807.04	806.28	806.30
gw472	0.00	0.00	846.94	847.33	850.79	850.34	851.68
llhaz13	815.36	822.13	828.03	831.28	836.65	841.04	845.63
llhaz14	889.68	889.20	891.19	891.01	894.29	893.61	894.66
llhaz15	876.26	875.78	875.96	876.35	877.72	0.00	879.08

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 3.4. Water elevation in wells for
Bear Creek site, FY89* (quarters 3 and 4)
(feet above sea level)

Well ID	Apr 12 1989	May 2 1989	May 22 1989	Jun 8 1989	Jun 27 1989	Jul 12 1989	Aug 10 1989	Sep 12 1989
gw136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw401	821.90	821.60	821.33	821.12	820.90	820.72	820.45	820.15
gw402	811.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw405	812.93	812.38	812.70	812.93	812.54	812.46	811.30	811.62
gw406	812.97	812.59	812.89	813.15	812.71	812.62	811.30	811.63
gw407	828.55	827.78	828.25	828.47	828.25	828.01	827.42	827.46
gw408	828.16	827.78	827.88	827.86	828.45	828.08	827.67	827.41
gw409	855.58	854.08	855.30	855.21	856.55	855.61	853.85	852.67
gw410	0.00	0.00	0.00	0.00	862.80	0.00	0.00	0.00
gw411	862.15	860.20	861.60	861.88	862.04	861.69	859.78	859.18
gw412	862.63	860.82	862.17	862.39	862.43	862.09	860.03	859.28
gw413	881.78	880.70	881.27	880.89	882.42	881.61	880.42	879.63
gw414	874.48	873.23	874.57	874.33	874.57	874.12	872.87	871.71
gw415	886.88	881.95	885.16	884.74	886.42	884.91	880.43	877.19
gw416	887.92	882.72	885.99	885.40	887.36	885.81	880.72	877.73
gw417	853.77	850.46	853.84	853.55	853.27	852.13	849.95	849.05
gw418	852.37	846.94	852.70	852.36	851.78	850.94	849.53	848.84
gw419	835.59	833.18	834.31	833.83	0.00	835.07	832.04	829.82
gw420	834.11	832.40	833.40	833.09	834.88	833.85	831.20	828.87
gw421	806.58	804.90	805.99	806.23	806.18	805.23	803.46	803.28
gw422	807.11	805.09	806.59	806.70	806.63	805.44	803.57	803.36
gw423	809.53	806.85	808.82	808.59	809.39	808.54	806.02	805.09
gw424	810.22	0.00	0.00	0.00	810.25	0.00	0.00	0.00
gw425	813.31	809.57	811.67	811.11	813.56	811.31	808.76	808.54
gw426	812.68	0.00	811.09	810.67	812.96	820.87	0.00	0.00
gw427	813.75	810.52	812.56	812.92	812.66	811.13	806.74	807.22
gw428	814.53	811.38	813.25	813.90	813.54	811.88	806.73	807.26
gw429	832.97	832.31	832.76	832.73	833.09	832.81	831.64	831.18
gw430	833.35	832.53	833.38	833.40	833.20	832.92	831.45	831.43
gw431	858.09	857.53	859.03	858.62	857.89	857.67	857.26	857.16
gw432	860.18	859.38	859.90	860.04	859.85	859.65	858.57	858.78
gw433	865.10	864.37	864.98	865.15	865.06	864.83	864.24	864.43
gw434	867.50	866.41	867.33	867.60	867.37	867.03	866.27	866.37
gw435	894.70	0.00	894.34	894.30	894.46	0.00	0.00	0.00
gw436	889.26	888.87	889.28	889.42	889.55	889.34	888.79	888.47
gw437	879.35	874.98	878.04	878.29	880.70	878.19	874.41	872.65
gw438	878.04	873.66	876.45	876.55	879.46	876.98	873.16	871.32
gw439	857.87	854.89	857.54	857.79	857.28	856.39	853.89	853.40
gw440	856.40	852.21	855.71	855.79	856.30	854.63	851.40	850.54
gw441	824.82	819.32	822.54	821.54	825.19	822.63	818.58	817.68
gw442	826.28	0.00	824.01	823.35	825.40	823.87	0.00	0.00
gw443	822.45	820.82	821.64	821.92	812.00	821.18	819.86	819.81

Table 3.4 (continued)

Well ID	Apr 12 1989	May 2 1989	May 22 1989	Jun 8 1989	Jun 27 1989	Jul 12 1989	Aug 10 1989	Sep 12 1989
gw445	841.28	840.57	840.89	840.95	841.38	840.99	840.22	839.96
gw447	865.95	865.37	865.42	865.81	866.01	865.68	865.22	865.01
gw448	865.75	865.42	865.65	865.72	865.78	865.65	865.26	865.21
gw449	923.98	923.54	923.55	923.54	924.38	923.80	923.53	923.53
gw450	907.76	906.19	907.06	907.31	908.40	907.33	905.93	905.16
gw451	0.00	918.89	919.67	919.82	922.78	923.32	922.30	921.17
gw452	865.62	864.26	865.42	865.81	865.11	864.74	862.70	862.32
gw460	837.69	835.49	837.04	836.99	837.59	836.74	834.20	832.75
gw461	835.38	833.32	834.66	834.48	835.55	834.55	831.92	830.25
gw469	830.93	830.85	830.92	830.91	831.58	831.50	830.81	829.79
gw470	807.34	806.31	807.11	807.25	808.47	807.81	807.11	806.76
gw472	852.18	851.18	851.42	851.23	852.96	852.41	850.53	849.12
llhaz13	849.33	852.03	854.72	856.90	859.25	861.03	863.90	866.88
llhaz14	894.99	893.92	894.25	894.04	895.59	894.87	893.23	892.22
llhaz15	879.08	879.24	879.55	879.78	0.00	0.00	0.00	0.00

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 3.5. Statistical water-elevation data
by well ID for Bear Creek Site
October 1988 - September 1989*
(feet mean sea level)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
gw136	0.00	0.00	0.00	0.00
gw400	0.00	0.00	0.00	0.00
gw401	828.16	820.15	8.01	822.74
gw402	811.36	811.27	0.09	811.34
gw405	813.63	810.94	2.69	812.37
gw406	813.58	810.77	2.81	812.44
gw407	829.90	827.33	2.57	828.08
gw408	828.88	827.28	1.60	827.90
gw409	857.07	847.37	9.70	853.52
gw410	863.64	862.80	0.84	863.22
gw411	862.20	858.44	3.76	860.90
gw412	862.86	858.27	4.59	861.28
gw413	882.42	878.33	4.09	880.48
gw414	875.04	867.77	7.27	872.62
gw415	886.88	870.66	16.22	881.16
gw416	887.92	870.99	16.93	881.80
gw417	857.65	847.09	10.56	851.82
gw418	856.89	846.49	10.40	850.73
gw419	835.59	825.59	10.00	831.86
gw420	835.19	824.59	10.60	831.50
gw421	806.72	802.78	3.94	805.06
gw422	807.26	802.79	4.47	805.40
gw423	810.60	804.04	6.56	807.65
gw424	810.90	810.22	0.68	810.46
gw425	817.32	807.92	9.40	810.99
gw426	820.87	810.67	10.20	813.41
gw427	815.25	806.57	8.68	810.80
gw428	815.78	806.54	9.24	811.29
gw429	833.28	830.86	2.42	832.28
gw430	833.80	829.89	3.91	832.48
gw431	859.05	857.11	1.94	857.85
gw432	860.33	857.46	2.87	859.29
gw433	865.41	863.20	2.21	864.64
gw434	867.91	865.28	2.63	866.83
gw435	895.60	894.30	1.30	894.68
gw436	889.55	885.91	3.64	888.52
gw437	880.70	867.97	12.73	875.21
gw438	879.46	868.91	10.55	874.17
gw439	859.32	851.97	7.35	855.98
gw440	859.27	847.97	11.30	853.72
gw441	830.64	815.94	14.70	821.28
gw442	834.94	823.35	11.59	826.63
gw443	823.76	812.00	11.76	820.48

Table 3.5 (continued)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
gw445	841.81	837.35	4.46	840.35
gw447	866.75	864.53	2.22	865.54
gw448	866.08	864.74	1.34	865.45
gw449	924.96	923.49	1.47	923.85
gw450	908.44	901.79	6.65	905.95
gw451	923.32	918.89	4.43	921.14
gw452	866.60	859.99	6.61	864.19
gw460	837.69	832.75	4.94	836.16
gw461	835.55	829.79	5.76	833.32
gw469	831.58	825.69	5.89	829.85
gw470	808.82	806.28	2.54	807.22
gw472	852.96	846.94	6.02	850.62
llhaz13	866.88	815.36	51.52	845.61
llhaz14	895.59	889.20	6.39	893.12
llhaz15	879.08	875.78	3.30	877.18

*Comments: Compiled from data collected on 15 different dates during this period. If the water elevation is listed as zero (0.00), then no data were collected during any sample collections.

Table 3.6. Groundwater quality field data: Bear Creek selected sampling sites, FY89, quarters 1-4

Well ID	Date	Cond.	D.O.	pH	Temp.	Turb.
gw405	03-20-89	0.24	4.30	7.50	11.40	52.00
gw405	06-13-89	0.32	3.30	6.40	15.00	14.00
gw405	08-31-89	0.45	2.40	7.90	15.10	15.00
gw405	12-07-88	0.35	2.90	7.70	15.20	21.00
gw416	03-21-89	0.20	3.50	8.40	11.60	51.00
gw416	06-14-89	0.26	3.90	7.40	14.30	10.00
gw416	08-31-89	0.34	2.80	8.00	15.50	15.00
gw416	12-09-88	0.29	2.20	7.80	13.50	22.00
gw421	03-20-89	0.12	4.60	6.90	9.80	160.00
gw421	06-13-89	0.19	3.00	7.10	13.00	178.00
gw421	08-31-89	0.45	1.20	7.60	18.60	1.00
gw421	12-07-88	0.27	4.70	7.50	14.50	14.00
gw432	03-21-89	0.32	4.60	8.00	10.10	53.00
gw432	06-20-89	0.49	2.60	8.10	14.60	9.00
gw432	08-31-89	0.53	2.00	8.50	15.70	12.00
gw432	12-09-88	0.44	5.80	8.20	13.40	49.00
gw437	03-21-89	0.27	4.40	6.80	14.00	51.00
gw437	06-16-89	0.28	4.00	7.00	14.30	7.00
gw437	08-31-89	0.42	1.30	8.30	16.20	9.00
gw437	12-08-88	0.33	6.10	7.90	14.50	12.00
gw443	03-21-89	0.15	3.90	9.20	10.30	55.00
gw443	06-28-89	0.30	9.60	7.30	14.20	183.00
gw443	08-31-89	0.55	1.10	8.40	18.60	8.00
gw443	12-08-88	0.32	6.20	8.80	12.70	2.00
gw462	03-20-89	0.23	3.20	7.20	13.10	50.00
gw462	06-14-89	0.30	1.60	7.00	15.00	9.00
gw462	08-31-89	0.39	4.70	7.70	16.70	16.00
gw462	12-07-88	0.31	2.50	9.30	16.60	1.00
gw467	03-20-89	0.11	4.70	7.40	10.60	109.00
gw467	08-31-89	0.48	4.60	8.60	17.80	91.00
gw467	12-07-88	0.30	3.60	7.60	12.40	78.00

*Cond. = conductivity in ms/cm; D.O. = dissolved oxygen; Temp. = temperature in degress C; Turb. = turbidity in Jtu.

Table 3.7. Chemical analysis of groundwater samples from Bear Creek site, FY89

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw405	12/07/88	AG	<	0.00500	MG/L	0.0000
gw405	03/20/89	AG	<	0.00500	MG/L	0.0000
gw405	06/13/89	AG	<	0.00500	MG/L	0.0000
gw405	08/31/89	AG	<	0.00500	MG/L	0.0000
gw405	12/07/88	AL		0.21000	MG/L	0.0000
gw405	03/20/89	AL		0.25000	MG/L	0.0000
gw405	06/13/89	AL	<	2.00000	MG/L	0.0000
gw405	08/31/89	AL		0.14000	MG/L	0.0000
gw405	12/07/88	ALKALINITY		181.25000	MG CACO3/L	0.0000
gw405	03/20/89	ALKALINITY		180.00000	MG CACO3/L	0.0000
gw405	06/13/89	ALKALINITY		170.00000	MG CACO3/L	0.0000
gw405	08/31/89	ALKALINITY		91.00000	MG CACO3/L	0.0000
gw405	12/07/88	AS	<	0.01000	UG/ML	0.0000
gw405	03/20/89	AS	<	0.01000	UG/ML	0.0000
gw405	06/13/89	AS	<	0.01000	UG/ML	0.0000
gw405	08/31/89	AS	<	0.05000	MG/L	0.0000
gw405	12/07/88	B	<	0.08000	MG/L	0.0000
gw405	03/20/89	B	<	0.08000	MG/L	0.0000
gw405	06/13/89	B	<	0.08000	MG/L	0.0000
gw405	08/31/89	B	<	0.08000	MG/L	0.0000
gw405	12/07/88	BA		0.34000	MG/L	0.0000
gw405	03/20/89	BA		0.35000	MG/L	0.0000
gw405	06/13/89	BA		0.49000	MG/L	0.0000
gw405	08/31/89	BA		0.38000	MG/L	0.0000
gw405	12/07/88	BE		0.00040	MG/L	0.0000
gw405	03/20/89	BE	<	0.00030	MG/L	0.0000
gw405	06/13/89	BE		0.02900	MG/L	0.0000
gw405	08/31/89	BE	<	0.00050	MG/L	0.0000
gw405	12/07/88	CA		35.00000	MG/L	0.0000
gw405	03/20/89	CA		38.00000	MG/L	0.0000
gw405	06/13/89	CA		39.00000	MG/L	0.0000
gw405	08/31/89	CA		38.00000	MG/L	0.0000
gw405	12/07/88	CD	<	0.00200	MG/L	0.0000
gw405	03/20/89	CD		0.01300	MG/L	0.0000
gw405	06/13/89	CD		0.00900	MG/L	0.0000
gw405	08/31/89	CD	<	0.00200	MG/L	0.0000
gw405	12/07/88	CHLORIDE		1.50000	MG/L	0.0000
gw405	03/20/89	CHLORIDE		1.20000	MG/L	0.0000
gw405	06/13/89	CHLORIDE		1.50000	MG/L	0.0000
gw405	08/31/89	CHLORIDE		1.20000	MG/L	0.0000
gw405	12/07/88	CO	<	0.00300	MG/L	0.0000
gw405	03/20/89	CO	<	0.00300	MG/L	0.0000
gw405	06/13/89	CO	<	0.00300	MG/L	0.0000
gw405	08/31/89	CO	<	0.00300	MG/L	0.0000
gw405	12/07/88	CR	<	0.00500	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw405	03/20/89	CR		0.01400	MG/L	0.0000
gw405	06/13/89	CR		0.01500	MG/L	0.0000
gw405	08/31/89	CR	<	0.00300	MG/L	0.0000
gw405	12/07/88	CU	<	0.01000	MG/L	0.0000
gw405	03/20/89	CU	<	0.01000	MG/L	0.0000
gw405	06/13/89	CU	<	0.01000	MG/L	0.0000
gw405	08/31/89	CU	<	0.00800	MG/L	0.0000
gw405	12/07/88	FE		0.01600	MG/L	0.0000
gw405	03/20/89	FE		0.02300	MG/L	0.0000
gw405	06/13/89	FE		1.10000	MG/L	0.0000
gw405	08/31/89	FE		0.39000	MG/L	0.0000
gw405	12/07/88	FLUORIDE	<	1.00000	MG/L	0.0000
gw405	03/20/89	FLUORIDE		1.00000	MG/L	0.0000
gw405	06/13/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw405	08/31/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw405	12/07/88	G-ALPHA		0.02000	BQ/L	0.0400
gw405	03/20/89	G-ALPHA		0.02700	BQ/L	0.0700
gw405	06/13/89	G-ALPHA		0.03300	BQ/L	0.0570
gw405	08/31/89	G-ALPHA		0.17000	BQ/L	0.5400
gw405	12/07/88	G-BETA		0.04000	BQ/L	0.0400
gw405	03/20/89	G-BETA		0.20000	BQ/L	0.2400
gw405	06/13/89	G-BETA		0.04000	BQ/L	0.1400
gw405	08/31/89	G-BETA		-0.90000	BQ/L	1.9000
gw405	12/07/88	GA	<	0.30000	MG/L	0.0000
gw405	03/20/89	GA	<	0.30000	MG/L	0.0000
gw405	12/07/88	HG	<	0.00010	UG/ML	0.0000
gw405	03/20/89	HG	<	0.00010	UG/ML	0.0000
gw405	06/13/89	HG	<	0.00010	UG/ML	0.0000
gw405	08/31/89	HG	<	0.00010	UG/ML	0.0000
gw405	12/07/88	LI	<	0.20000	MG/L	0.0000
gw405	03/20/89	LI	<	0.20000	MG/L	0.0000
gw405	06/13/89	LI	<	15.00000	MG/L	0.0000
gw405	08/31/89	LI	<	15.00000	MG/L	0.0000
gw405	12/07/88	MG		4.60000	MG/L	0.0000
gw405	03/20/89	MG		4.80000	MG/L	0.0000
gw405	06/13/89	MG		5.20000	MG/L	0.0000
gw405	08/31/89	MG		4.60000	MG/L	0.0000
gw405	12/07/88	MN		0.18000	MG/L	0.0000
gw405	03/20/89	MN		0.01400	MG/L	0.0000
gw405	06/13/89	MN		0.32000	MG/L	0.0000
gw405	08/31/89	MN		0.25000	MG/L	0.0000
gw405	12/07/88	MO	<	0.04000	MG/L	0.0000
gw405	03/20/89	MO	<	0.04000	MG/L	0.0000
gw405	06/13/89	MO	<	0.04000	MG/L	0.0000
gw405	08/31/89	MO	<	0.04000	MG/L	0.0000
gw405	12/07/88	NA		45.00000	MG/L	0.0000
gw405	03/20/89	NA		37.00000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw405	06/13/89	NA		41.00000	MG/L	0.0000
gw405	08/31/89	NA		39.00000	MG/L	0.0000
gw405	12/07/88	NI		0.00610	MG/L	0.0000
gw405	03/20/89	NI		0.01900	MG/L	0.0000
gw405	06/13/89	NI	<	0.00600	MG/L	0.0000
gw405	08/31/89	NI	<	0.00600	MG/L	0.0000
gw405	12/07/88	NITRATE	<	5.00000	MG/L	0.0000
gw405	03/20/89	NITRATE	<	5.00000	MG/L	0.0000
gw405	06/13/89	NITRATE	<	0.50000	UG/ML	0.0000
gw405	12/07/88	P	<	0.30000	MG/L	0.0000
gw405	03/20/89	P	<	0.30000	MG/L	0.0000
gw405	06/13/89	P	<	0.30000	MG/L	0.0000
gw405	08/31/89	P	<	0.30000	MG/L	0.0000
gw405	12/07/88	PB	<	0.05000	MG/L	0.0000
gw405	03/20/89	PB	<	0.05000	MG/L	0.0000
gw405	06/13/89	PB	<	0.03000	MG/L	0.0000
gw405	08/31/89	PB	<	0.03000	MG/L	0.0000
gw405	12/07/88	PHOSPHATE	<	5.00000	MG/L	0.0000
gw405	03/20/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw405	06/13/89	PHOSPHATE	<	0.30000	UG/ML	0.0000
gw405	06/13/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw405	12/07/88	SB	<	0.03000	MG/L	0.0000
gw405	03/20/89	SB	<	0.03000	MG/L	0.0000
gw405	06/13/89	SB	<	0.04000	MG/L	0.0000
gw405	08/31/89	SB	<	0.04000	MG/L	0.0000
gw405	12/07/88	SE	<	0.00500	UG/ML	0.0000
gw405	03/20/89	SE	<	0.00500	UG/ML	0.0000
gw405	06/13/89	SE	<	0.00500	UG/ML	0.0000
gw405	08/31/89	SE	<	0.08000	MG/L	0.0000
gw405	12/07/88	SI		7.90000	MG/L	0.0000
gw405	03/20/89	SI		7.10000	MG/L	0.0000
gw405	06/13/89	SI		8.30000	MG/L	0.0000
gw405	12/07/88	SN	<	0.05000	MG/L	0.0000
gw405	03/20/89	SN	<	0.05000	MG/L	0.0000
gw405	06/13/89	SN	<	0.05000	MG/L	0.0000
gw405	08/31/89	SN	<	0.05000	MG/L	0.0000
gw405	12/07/88	SR		0.35000	MG/L	0.0000
gw405	03/20/89	SR		0.44000	MG/L	0.0000
gw405	06/13/89	SR		0.47000	MG/L	0.0000
gw405	08/31/89	SR		0.42000	MG/L	0.0000
gw405	12/07/88	SULFATE		16.00000	MG/L	0.0000
gw405	03/20/89	SULFATE		18.00000	MG/L	0.0000
gw405	06/13/89	SULFATE		20.00000	MG/L	0.0000
gw405	08/31/89	SULFATE		17.00000	MG/L	0.0000
gw405	12/07/88	TI	<	0.02000	MG/L	0.0000
gw405	03/20/89	TI	<	0.02000	MG/L	0.0000
gw405	06/13/89	TI	<	0.02000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw405	08/31/89	TI	<	0.02000	MG/L	0.0000
gw405	12/07/88	TOC		0.80000	UG/ML	0.0000
gw405	03/20/89	TOC		0.70000	UG/ML	0.0000
gw405	06/13/89	TOC		0.50000	UG/ML	0.0000
gw405	08/31/89	TOC		1.20000	UG/ML	0.0000
gw405	12/07/88	TOTAL URANIUM		0.00100	MG/L	0.0000
gw405	03/20/89	TOTAL URANIUM		0.00300	MG/L	0.0000
gw405	06/13/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw405	08/31/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw405	12/07/88	TOX	<	5.00000	UG/L	0.0000
gw405	03/20/89	TOX		7.60000	UG/L	0.0000
gw405	06/13/89	TOX	<	5.00000	UG/L	0.0000
gw405	08/31/89	TOX	<	5.00000	UG/L	0.0000
gw405	12/07/88	TRITIUM		10.00000	BQ/L	46.0000
gw405	03/20/89	TRITIUM		-10.00000	BQ/L	30.0000
gw405	06/13/89	TRITIUM		12.00000	BQ/L	29.0000
gw405	08/31/89	TRITIUM		-24.00000	BQ/L	33.0000
gw405	12/07/88	V		0.00400	MG/L	0.0000
gw405	03/20/89	V	<	0.00400	MG/L	0.0000
gw405	06/13/89	V	<	0.00400	MG/L	0.0000
gw405	08/31/89	V	<	0.00300	MG/L	0.0000
gw405	12/07/88	ZN		0.02600	MG/L	0.0000
gw405	03/20/89	ZN	<	0.00800	MG/L	0.0000
gw405	06/13/89	ZN	<	0.00800	MG/L	0.0000
gw405	08/31/89	ZN		0.03500	MG/L	0.0000
gw405	12/07/88	ZR	<	0.02000	MG/L	0.0000
gw405	03/20/89	ZR	<	0.02000	MG/L	0.0000
gw405	06/13/89	ZR	<	0.02000	MG/L	0.0000
gw405	08/31/89	ZR	<	0.02000	MG/L	0.0000
gw416	12/09/88	AG	<	0.00500	MG/L	0.0000
gw416	03/21/89	AG	<	0.00500	MG/L	0.0000
gw416	06/14/89	AG	<	0.00500	MG/L	0.0000
gw416	08/31/89	AG	<	0.00500	MG/L	0.0000
gw416	12/09/88	AL		0.24000	MG/L	0.0000
gw416	03/21/89	AL		0.31000	MG/L	0.0000
gw416	06/14/89	AL	<	2.00000	MG/L	0.0000
gw416	08/31/89	AL		0.18000	MG/L	0.0000
gw416	12/09/88	ALKALINITY		130.00000	MG CACO3/L	0.0000
gw416	03/21/89	ALKALINITY		138.80000	MG CACO3/L	0.0000
gw416	06/14/89	ALKALINITY		137.50000	MG CACO3/L	0.0000
gw416	08/31/89	ALKALINITY		130.00000	MG CACO3/L	0.0000
gw416	12/09/88	AS	<	0.01000	UG/ML	0.0000
gw416	03/21/89	AS	<	0.01000	UG/ML	0.0000
gw416	06/14/89	AS	<	0.01000	UG/ML	0.0000
gw416	08/31/89	AS	<	0.05000	MG/L	0.0000
gw416	12/09/88	B	<	0.08000	MG/L	0.0000
gw416	03/21/89	B	<	0.08000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw416	06/14/89	B	<	0.08000	MG/L	0.0000
gw416	08/31/89	B	<	0.08000	MG/L	0.0000
gw416	12/09/88	BA		0.25000	MG/L	0.0000
gw416	03/21/89	BA		0.26000	MG/L	0.0000
gw416	06/14/89	BA		0.31000	MG/L	0.0000
gw416	08/31/89	BA		0.24000	MG/L	0.0000
gw416	12/09/88	BE		0.00070	MG/L	0.0000
gw416	03/21/89	BE	<	0.00030	MG/L	0.0000
gw416	06/14/89	BE		0.02900	MG/L	0.0000
gw416	08/31/89	BE	<	0.00050	MG/L	0.0000
gw416	12/09/88	CA		47.00000	MG/L	0.0000
gw416	03/21/89	CA		47.00000	MG/L	0.0000
gw416	06/14/89	CA		49.00000	MG/L	0.0000
gw416	08/31/89	CA		47.00000	MG/L	0.0000
gw416	12/09/88	CD	<	0.00200	MG/L	0.0000
gw416	03/21/89	CD		0.01300	MG/L	0.0000
gw416	06/14/89	CD		0.00880	MG/L	0.0000
gw416	08/31/89	CD	<	0.00200	MG/L	0.0000
gw416	12/09/88	CHLORIDE		1.00000	MG/L	0.0000
gw416	03/21/89	CHLORIDE		1.00000	MG/L	0.0000
gw416	06/14/89	CHLORIDE		1.00000	MG/L	0.0000
gw416	08/31/89	CHLORIDE		1.00000	MG/L	0.0000
gw416	12/09/88	CO	<	0.00300	MG/L	0.0000
gw416	03/21/89	CO	<	0.00300	MG/L	0.0000
gw416	06/14/89	CO	<	0.00300	MG/L	0.0000
gw416	08/31/89	CO	<	0.00300	MG/L	0.0000
gw416	12/09/88	CR	<	0.00500	MG/L	0.0000
gw416	03/21/89	CR		0.01400	MG/L	0.0000
gw416	06/14/89	CR		0.01300	MG/L	0.0000
gw416	08/31/89	CR	<	0.00300	MG/L	0.0000
gw416	12/09/88	CU	<	0.01000	MG/L	0.0000
gw416	03/21/89	CU	<	0.01000	MG/L	0.0000
gw416	06/14/89	CU	<	0.01000	MG/L	0.0000
gw416	08/31/89	CU	<	0.00800	MG/L	0.0000
gw416	12/09/88	FE		0.01300	MG/L	0.0000
gw416	03/21/89	FE		0.01500	MG/L	0.0000
gw416	06/14/89	FE	<	0.01000	MG/L	0.0000
gw416	08/31/89	FE	<	0.01000	MG/L	0.0000
gw416	12/09/88	FLUORIDE	<	1.00000	MG/L	0.0000
gw416	03/21/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw416	06/14/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw416	08/31/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw416	12/08/88	G-ALPHA		0.00000	BQ/L	0.0000
gw416	03/21/89	G-ALPHA		0.03600	BQ/L	0.0730
gw416	06/14/89	G-ALPHA		-2.90000	BQ/L	1.4000
gw416	08/31/89	G-ALPHA		2.20000	BQ/L	1.8000
gw416	12/08/88	G-BETA		0.20000	BQ/L	0.0800

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw416	03/21/89	G-BETA		0.19000	BQ/L	0.1800
gw416	06/14/89	G-BETA		0.20000	BQ/L	3.2000
gw416	08/31/89	G-BETA		-0.20000	BQ/L	2.5000
gw416	12/09/88	GA	<	0.30000	MG/L	0.0000
gw416	03/21/89	GA	<	0.30000	MG/L	0.0000
gw416	12/09/88	HG	<	0.00010	UG/ML	0.0000
gw416	03/21/89	HG	<	0.00010	UG/ML	0.0000
gw416	06/14/89	HG	<	0.00010	UG/ML	0.0000
gw416	08/31/89	HG	<	0.00010	UG/ML	0.0000
gw416	12/09/88	LI	<	0.20000	MG/L	0.0000
gw416	03/21/89	LI	<	0.20000	MG/L	0.0000
gw416	06/14/89	LI	<	15.00000	MG/L	0.0000
gw416	08/31/89	LI	<	15.00000	MG/L	0.0000
gw416	12/09/88	MG		4.50000	MG/L	0.0000
gw416	03/21/89	MG		4.20000	MG/L	0.0000
gw416	06/14/89	MG		5.00000	MG/L	0.0000
gw416	08/31/89	MG		4.00000	MG/L	0.0000
gw416	12/09/88	MN		0.00370	MG/L	0.0000
gw416	03/21/89	MN	<	0.00200	MG/L	0.0000
gw416	06/14/89	MN		0.01600	MG/L	0.0000
gw416	08/31/89	MN	<	0.00200	MG/L	0.0000
gw416	12/09/88	MO	<	0.04000	MG/L	0.0000
gw416	03/21/89	MO	<	0.04000	MG/L	0.0000
gw416	06/14/89	MO	<	0.04000	MG/L	0.0000
gw416	08/31/89	MO	<	0.04000	MG/L	0.0000
gw416	12/09/88	NA		9.70000	MG/L	0.0000
gw416	03/21/89	NA		3.70000	MG/L	0.0000
gw416	06/14/89	NA		2.80000	MG/L	0.0000
gw416	08/31/89	NA		3.20000	MG/L	0.0000
gw416	12/09/88	NI	<	0.00500	MG/L	0.0000
gw416	03/21/89	NI		0.02100	MG/L	0.0000
gw416	06/14/89	NI	<	0.00600	MG/L	0.0000
gw416	08/31/89	NI	<	0.00600	MG/L	0.0000
gw416	12/09/88	NITRATE	<	5.00000	MG/L	0.0000
gw416	03/21/89	NITRATE	<	5.00000	MG/L	0.0000
gw416	06/14/89	NITRATE	<	0.50000	UG/ML	0.0000
gw416	12/09/88	P	<	0.30000	MG/L	0.0000
gw416	03/21/89	P	<	0.30000	MG/L	0.0000
gw416	06/14/89	P	<	0.30000	MG/L	0.0000
gw416	08/31/89	P	<	0.30000	MG/L	0.0000
gw416	12/09/88	PB	<	0.05000	MG/L	0.0000
gw416	03/21/89	PB	<	0.05000	MG/L	0.0000
gw416	06/14/89	PB	<	0.03000	MG/L	0.0000
gw416	08/31/89	PB	<	0.03000	MG/L	0.0000
gw416	12/09/88	PHOSPHATE	<	5.00000	MG/L	0.0000
gw416	03/21/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw416	06/14/89	PHOSPHATE	<	5.00000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw416	12/09/88	SB	<	0.03000	MG/L	0.0000
gw416	03/21/89	SB	<	0.03000	MG/L	0.0000
gw416	06/14/89	SB	<	0.04000	MG/L	0.0000
gw416	08/31/89	SB	<	0.04000	MG/L	0.0000
gw416	12/09/88	SE	<	0.00500	UG/ML	0.0000
gw416	03/21/89	SE	<	0.00500	UG/ML	0.0000
gw416	06/14/89	SE	<	0.00500	UG/ML	0.0000
gw416	08/31/89	SE	<	0.08000	MG/L	0.0000
gw416	12/09/88	SI		8.60000	MG/L	0.0000
gw416	03/21/89	SI		7.30000	MG/L	0.0000
gw416	06/14/89	SI		7.90000	MG/L	0.0000
gw416	12/09/88	SN	<	0.05000	MG/L	0.0000
gw416	03/21/89	SN	<	0.05000	MG/L	0.0000
gw416	06/14/89	SN	<	0.05000	MG/L	0.0000
gw416	08/31/89	SN	<	0.05000	MG/L	0.0000
gw416	12/09/88	SR		0.10000	MG/L	0.0000
gw416	03/21/89	SR		0.09500	MG/L	0.0000
gw416	06/14/89	SR		0.10000	MG/L	0.0000
gw416	08/31/89	SR		0.09600	MG/L	0.0000
gw416	12/09/88	SULFATE		8.50000	MG/L	0.0000
gw416	03/21/89	SULFATE		7.60000	MG/L	0.0000
gw416	06/14/89	SULFATE		6.50000	MG/L	0.0000
gw416	08/31/89	SULFATE		6.80000	MG/L	0.0000
gw416	12/09/88	TI	<	0.02000	MG/L	0.0000
gw416	03/21/89	TI	<	0.02000	MG/L	0.0000
gw416	06/14/89	TI	<	0.02000	MG/L	0.0000
gw416	08/31/89	TI	<	0.02000	MG/L	0.0000
gw416	12/09/88	TOC		0.60000	UG/ML	0.0000
gw416	03/21/89	TOC	<	0.50000	UG/ML	0.0000
gw416	06/14/89	TOC	<	0.50000	UG/ML	0.0000
gw416	08/31/89	TOC		0.70000	UG/ML	0.0000
gw416	12/09/88	TOTAL URANIUM		0.00100	MG/L	0.0000
gw416	03/21/89	TOTAL URANIUM		0.00300	MG/L	0.0000
gw416	06/14/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw416	08/31/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw416	12/09/88	TOX		12.00000	UG/L	0.0000
gw416	03/21/89	TOX		16.00000	UG/L	0.0000
gw416	06/14/89	TOX	<	5.00000	UG/L	0.0000
gw416	08/31/89	TOX	<	5.00000	UG/L	0.0000
gw416	12/08/88	TRITIUM		10.00000	BQ/L	46.0000
gw416	03/21/89	TRITIUM		-24.00000	BQ/L	30.0000
gw416	06/14/89	TRITIUM		210.00000	BQ/L	200.000
gw416	08/31/89	TRITIUM		5.00000	BQ/L	34.0000
gw416	12/09/88	V	<	0.00400	MG/L	0.0000
gw416	03/21/89	V	<	0.00400	MG/L	0.0000
gw416	06/14/89	V	<	0.00400	MG/L	0.0000
gw416	08/31/89	V	<	0.00300	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw416	12/09/88	ZN	<	0.00800	MG/L	0.0000
gw416	03/21/89	ZN	<	0.00800	MG/L	0.0000
gw416	06/14/89	ZN	<	0.00800	MG/L	0.0000
gw416	08/31/89	ZN		0.03000	MG/L	0.0000
gw416	12/09/88	ZR	<	0.02000	MG/L	0.0000
gw416	03/21/89	ZR	<	0.02000	MG/L	0.0000
gw416	06/14/89	ZR	<	0.02000	MG/L	0.0000
gw416	08/31/89	ZR	<	0.02000	MG/L	0.0000
gw421	12/07/88	AG	<	0.00500	MG/L	0.0000
gw421	03/20/89	AG	<	0.00500	MG/L	0.0000
gw421	06/13/89	AG	<	0.00500	MG/L	0.0000
gw421	08/31/89	AG	<	0.00500	MG/L	0.0000
gw421	12/07/88	AL		0.22000	MG/L	0.0000
gw421	03/20/89	AL		0.24000	MG/L	0.0000
gw421	06/13/89	AL	<	2.00000	MG/L	0.0000
gw421	08/31/89	AL		0.28000	MG/L	0.0000
gw421	12/07/88	ALKALINITY		115.00000	MG CACO3/L	0.0000
gw421	03/20/89	ALKALINITY		80.00000	MG CACO3/L	0.0000
gw421	06/13/89	ALKALINITY		75.00000	MG CACO3/L	0.0000
gw421	08/31/89	ALKALINITY		84.00000	MG CACO3/L	0.0000
gw421	12/07/88	AS		0.01000	UG/ML	0.0000
gw421	03/20/89	AS	<	0.01000	UG/ML	0.0000
gw421	06/13/89	AS	<	0.01000	UG/ML	0.0000
gw421	08/31/89	AS		0.05100	MG/L	0.0000
gw421	12/07/88	B	<	0.08000	MG/L	0.0000
gw421	03/20/89	B	<	0.08000	MG/L	0.0000
gw421	06/13/89	B	<	0.08000	MG/L	0.0000
gw421	08/31/89	B	<	0.08000	MG/L	0.0000
gw421	12/07/88	BA		0.04100	MG/L	0.0000
gw421	03/20/89	BA		0.02100	MG/L	0.0000
gw421	06/13/89	BA		0.04900	MG/L	0.0000
gw421	08/31/89	BA		0.05300	MG/L	0.0000
gw421	12/07/88	BE		0.00070	MG/L	0.0000
gw421	03/20/89	BE	<	0.00030	MG/L	0.0000
gw421	06/13/89	BE		0.02900	MG/L	0.0000
gw421	08/31/89	BE	<	0.00050	MG/L	0.0000
gw421	12/07/88	CA		45.00000	MG/L	0.0000
gw421	03/20/89	CA		36.00000	MG/L	0.0000
gw421	06/13/89	CA		35.00000	MG/L	0.0000
gw421	08/31/89	CA		71.00000	MG/L	0.0000
gw421	12/07/88	CD	<	0.00200	MG/L	0.0000
gw421	03/20/89	CD		0.01500	MG/L	0.0000
gw421	06/13/89	CD		0.00890	MG/L	0.0000
gw421	08/31/89	CD	<	0.00200	MG/L	0.0000
gw421	12/07/88	CHLORIDE		1.90000	MG/L	0.0000
gw421	03/20/89	CHLORIDE		1.20000	MG/L	0.0000
gw421	06/13/89	CHLORIDE		1.00000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw421	08/31/89	CHLORIDE		2.40000	MG/L	0.0000
gw421	12/07/88	CO	<	0.00300	MG/L	0.0000
gw421	03/20/89	CO		0.00370	MG/L	0.0000
gw421	06/13/89	CO	<	0.00300	MG/L	0.0000
gw421	08/31/89	CO	<	0.00300	MG/L	0.0000
gw421	12/07/88	CR	<	0.00500	MG/L	0.0000
gw421	03/20/89	CR		0.01200	MG/L	0.0000
gw421	06/13/89	CR		0.01800	MG/L	0.0000
gw421	08/31/89	CR	<	0.00300	MG/L	0.0000
gw421	12/07/88	CU	<	0.01000	MG/L	0.0000
gw421	03/20/89	CU	<	0.01000	MG/L	0.0000
gw421	06/13/89	CU	<	0.01000	MG/L	0.0000
gw421	08/31/89	CU	<	0.00800	MG/L	0.0000
gw421	12/07/88	FE		0.01500	MG/L	0.0000
gw421	03/20/89	FE		0.03200	MG/L	0.0000
gw421	06/13/89	FE		0.08600	MG/L	0.0000
gw421	08/31/89	FE		0.03300	MG/L	0.0000
gw421	12/07/88	FLUORIDE	<	1.00000	MG/L	0.0000
gw421	03/20/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw421	06/13/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw421	08/31/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw421	12/07/88	G-ALPHA		0.02000	BQ/L	0.0400
gw421	03/20/89	G-ALPHA		0.03300	BQ/L	0.0670
gw421	06/13/89	G-ALPHA		0.03700	BQ/L	0.0520
gw421	08/31/89	G-ALPHA		0.25000	BQ/L	0.7800
gw421	12/07/88	G-BETA		0.09000	BQ/L	0.0600
gw421	03/20/89	G-BETA		-0.07000	BQ/L	0.1300
gw421	06/13/89	G-BETA		0.19000	BQ/L	0.1400
gw421	08/31/89	G-BETA		1.40000	BQ/L	2.3000
gw421	12/07/88	GA	<	0.30000	MG/L	0.0000
gw421	03/20/89	GA	<	0.30000	MG/L	0.0000
gw421	12/07/88	HG	<	0.00010	UG/ML	0.0000
gw421	03/20/89	HG	<	0.00010	UG/ML	0.0000
gw421	06/13/89	HG	<	0.00010	UG/ML	0.0000
gw421	08/31/89	HG	<	0.00010	UG/ML	0.0000
gw421	12/07/88	LI	<	0.20000	MG/L	0.0000
gw421	03/20/89	LI	<	0.20000	MG/L	0.0000
gw421	06/13/89	LI	<	15.00000	MG/L	0.0000
gw421	08/31/89	LI	<	15.00000	MG/L	0.0000
gw421	12/07/88	MG		2.90000	MG/L	0.0000
gw421	03/20/89	MG		2.50000	MG/L	0.0000
gw421	06/13/89	MG		2.50000	MG/L	0.0000
gw421	08/31/89	MG		4.70000	MG/L	0.0000
gw421	12/07/88	MN		0.00640	MG/L	0.0000
gw421	03/20/89	MN	<	0.00200	MG/L	0.0000
gw421	06/13/89	MN		0.11000	MG/L	0.0000
gw421	08/31/89	MN		0.79000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw421	12/07/88	MO	<	0.04000	MG/L	0.0000
gw421	03/20/89	MO	<	0.04000	MG/L	0.0000
gw421	06/13/89	MO	<	0.04000	MG/L	0.0000
gw421	08/31/89	MO	<	0.04000	MG/L	0.0000
gw421	12/07/88	NA		4.00000	MG/L	0.0000
gw421	03/20/89	NA	<	3.00000	MG/L	0.0000
gw421	06/13/89	NA	<	2.00000	MG/L	0.0000
gw421	08/31/89	NA	<	2.00000	MG/L	0.0000
gw421	12/07/88	NI	<	0.00500	MG/L	0.0000
gw421	03/20/89	NI		0.02100	MG/L	0.0000
gw421	06/13/89	NI	<	0.00600	MG/L	0.0000
gw421	08/31/89	NI	<	0.00600	MG/L	0.0000
gw421	12/07/88	NITRATE	<	5.00000	MG/L	0.0000
gw421	03/20/89	NITRATE	<	5.00000	MG/L	0.0000
gw421	06/13/89	NITRATE	<	0.50000	UG/ML	0.0000
gw421	12/07/88	P	<	0.30000	MG/L	0.0000
gw421	03/20/89	P	<	0.30000	MG/L	0.0000
gw421	06/13/89	P	<	0.30000	MG/L	0.0000
gw421	08/31/89	P	<	0.30000	MG/L	0.0000
gw421	12/07/88	PB	<	0.05000	MG/L	0.0000
gw421	03/20/89	PB	<	0.05000	MG/L	0.0000
gw421	06/13/89	PB	<	0.03000	MG/L	0.0000
gw421	08/31/89	PB	<	0.03000	MG/L	0.0000
gw421	12/07/88	PHOSPHATE	<	5.00000	MG/L	0.0000
gw421	03/20/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw421	06/13/89	PHOSPHATE	<	0.30000	UG/ML	0.0000
gw421	06/13/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw421	12/07/88	SB	<	0.03000	MG/L	0.0000
gw421	03/20/89	SB	<	0.03000	MG/L	0.0000
gw421	06/13/89	SB	<	0.04000	MG/L	0.0000
gw421	08/31/89	SB	<	0.04000	MG/L	0.0000
gw421	12/07/88	SE	<	0.00500	UG/ML	0.0000
gw421	03/20/89	SE	<	0.00500	UG/ML	0.0000
gw421	06/13/89	SE	<	0.00500	UG/ML	0.0000
gw421	08/31/89	SE	<	0.08000	MG/L	0.0000
gw421	12/07/88	SI		2.90000	MG/L	0.0000
gw421	03/20/89	SI		2.70000	MG/L	0.0000
gw421	06/13/89	SI		3.10000	MG/L	0.0000
gw421	12/07/88	SN	<	0.05000	MG/L	0.0000
gw421	03/20/89	SN	<	0.05000	MG/L	0.0000
gw421	06/13/89	SN	<	0.05000	MG/L	0.0000
gw421	08/31/89	SN	<	0.05000	MG/L	0.0000
gw421	12/07/88	SR		0.08800	MG/L	0.0000
gw421	03/20/89	SR		0.05600	MG/L	0.0000
gw421	06/13/89	SR		0.05600	MG/L	0.0000
gw421	08/31/89	SR		0.11000	MG/L	0.0000
gw421	12/07/88	SULFATE		15.00000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw421	03/20/89	SULFATE		8.20000	MG/L	0.0000
gw421	06/13/89	SULFATE		5.50000	MG/L	0.0000
gw421	08/31/89	SULFATE		9.90000	MG/L	0.0000
gw421	12/07/88	TI	<	0.02000	MG/L	0.0000
gw421	03/20/89	TI	<	0.02000	MG/L	0.0000
gw421	06/13/89	TI	<	0.02000	MG/L	0.0000
gw421	08/31/89	TI	<	0.02000	MG/L	0.0000
gw421	12/07/88	TOC		3.40000	UG/ML	0.0000
gw421	03/20/89	TOC		1.00000	UG/ML	0.0000
gw421	06/13/89	TOC		3.10000	UG/ML	0.0000
gw421	08/31/89	TOC		2.30000	UG/ML	0.0000
gw421	12/07/88	TOTAL URANIUM		0.00100	MG/L	0.0000
gw421	03/20/89	TOTAL URANIUM		0.00300	MG/L	0.0000
gw421	06/13/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw421	08/31/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw421	12/07/88	TOX		6.00000	UG/L	0.0000
gw421	03/20/89	TOX		11.00000	UG/L	0.0000
gw421	06/13/89	TOX		13.00000	UG/L	0.0000
gw421	08/31/89	TOX	<	5.00000	UG/L	0.0000
gw421	12/07/88	TRITIUM		5.00000	BQ/L	44.0000
gw421	03/20/89	TRITIUM		-9.00000	BQ/L	30.0000
gw421	06/13/89	TRITIUM		16.00000	BQ/L	30.0000
gw421	08/31/89	TRITIUM		18.00000	BQ/L	34.0000
gw421	12/07/88	V	<	0.00400	MG/L	0.0000
gw421	03/20/89	V	<	0.00400	MG/L	0.0000
gw421	06/13/89	V	<	0.00400	MG/L	0.0000
gw421	08/31/89	V	<	0.00300	MG/L	0.0000
gw421	12/07/88	ZN		0.01200	MG/L	0.0000
gw421	03/20/89	ZN	<	0.00800	MG/L	0.0000
gw421	06/13/89	ZN	<	0.00800	MG/L	0.0000
gw421	08/31/89	ZN		0.03500	MG/L	0.0000
gw421	12/07/88	ZR	<	0.02000	MG/L	0.0000
gw421	03/20/89	ZR	<	0.02000	MG/L	0.0000
gw421	06/13/89	ZR	<	0.02000	MG/L	0.0000
gw421	08/31/89	ZR	<	0.02000	MG/L	0.0000
gw432	12/09/88	AG	<	0.00500	MG/L	0.0000
gw432	03/21/89	AG	<	0.00500	MG/L	0.0000
gw432	06/20/89	AG	<	0.00500	MG/L	0.0000
gw432	08/31/89	AG	<	0.00500	MG/L	0.0000
gw432	12/09/88	AL		0.06500	MG/L	0.0000
gw432	03/21/89	AL		0.11000	MG/L	0.0000
gw432	06/20/89	AL	<	2.00000	MG/L	0.0000
gw432	08/31/89	AL	<	0.05000	MG/L	0.0000
gw432	12/09/88	ALKALINITY		235.00000	MG CACO3/L	0.0000
gw432	03/21/89	ALKALINITY		240.00000	MG CACO3/L	0.0000
gw432	06/20/89	ALKALINITY		257.50000	MG CACO3/L	0.0000
gw432	08/31/89	ALKALINITY		248.00000	MG CACO3/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw432	12/09/88	AS	<	0.01000	UG/ML	0.0000
gw432	03/21/89	AS	<	0.01000	UG/ML	0.0000
gw432	06/20/89	AS	<	0.01000	UG/ML	0.0000
gw432	08/31/89	AS	<	0.05000	MG/L	0.0000
gw432	12/09/88	B		0.11000	MG/L	0.0000
gw432	03/21/89	B	<	0.08000	MG/L	0.0000
gw432	06/20/89	B	<	0.08000	MG/L	0.0000
gw432	08/31/89	B	<	0.08000	MG/L	0.0000
gw432	12/09/88	BA		0.26000	MG/L	0.0000
gw432	03/21/89	BA		0.27000	MG/L	0.0000
gw432	06/20/89	BA		0.30000	MG/L	0.0000
gw432	08/31/89	BA		0.20000	MG/L	0.0000
gw432	12/09/88	BE	<	0.00030	MG/L	0.0000
gw432	03/21/89	BE	<	0.00030	MG/L	0.0000
gw432	06/20/89	BE		0.03000	MG/L	0.0000
gw432	08/31/89	BE	<	0.00050	MG/L	0.0000
gw432	12/09/88	CA		8.60000	MG/L	0.0000
gw432	03/21/89	CA		8.20000	MG/L	0.0000
gw432	06/20/89	CA		7.30000	MG/L	0.0000
gw432	08/31/89	CA		5.80000	MG/L	0.0000
gw432	12/09/88	CD	<	0.00200	MG/L	0.0000
gw432	03/21/89	CD		0.01200	MG/L	0.0000
gw432	06/20/89	CD		0.00990	MG/L	0.0000
gw432	08/31/89	CD	<	0.00200	MG/L	0.0000
gw432	12/09/88	CHLORIDE		1.50000	MG/L	0.0000
gw432	03/21/89	CHLORIDE		1.60000	MG/L	0.0000
gw432	06/20/89	CHLORIDE		1.40000	MG/L	0.0000
gw432	08/31/89	CHLORIDE		1.40000	MG/L	0.0000
gw432	12/09/88	CO	<	0.00300	MG/L	0.0000
gw432	03/21/89	CO		0.00320	MG/L	0.0000
gw432	06/20/89	CO	<	0.00300	MG/L	0.0000
gw432	08/31/89	CO	<	0.00300	MG/L	0.0000
gw432	12/09/88	CR	<	0.00500	MG/L	0.0000
gw432	03/21/89	CR		0.01200	MG/L	0.0000
gw432	06/20/89	CR		0.01700	MG/L	0.0000
gw432	08/31/89	CR	<	0.00300	MG/L	0.0000
gw432	12/09/88	CU	<	0.01000	MG/L	0.0000
gw432	03/21/89	CU	<	0.01000	MG/L	0.0000
gw432	06/20/89	CU	<	0.01000	MG/L	0.0000
gw432	08/31/89	CU	<	0.00800	MG/L	0.0000
gw432	12/09/88	FE		0.01500	MG/L	0.0000
gw432	03/21/89	FE		0.02300	MG/L	0.0000
gw432	06/20/89	FE		0.17000	MG/L	0.0000
gw432	08/31/89	FE	<	0.01000	MG/L	0.0000
gw432	12/09/88	FLUORIDE		1.00000	MG/L	0.0000
gw432	03/21/89	FLUORIDE		1.00000	MG/L	0.0000
gw432	06/20/89	FLUORIDE		1.00000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw432	08/31/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw432	12/08/88	G-ALPHA		0.00000	BQ/L	0.0000
gw432	03/21/89	G-ALPHA		-0.01500	BQ/L	0.0070
gw432	06/20/89	G-ALPHA		0.01300	BQ/L	0.0530
gw432	08/31/89	G-ALPHA		0.10000	BQ/L	0.7000
gw432	12/08/88	G-BETA		0.05000	BQ/L	0.0400
gw432	03/21/89	G-BETA		0.01000	BQ/L	0.1500
gw432	06/20/89	G-BETA		-0.08000	BQ/L	0.1200
gw432	08/31/89	G-BETA		-2.10000	BQ/L	2.1000
gw432	12/09/88	GA	<	0.30000	MG/L	0.0000
gw432	03/21/89	GA	<	0.30000	MG/L	0.0000
gw432	12/09/88	HG	<	0.00010	UG/ML	0.0000
gw432	03/21/89	HG	<	0.00010	UG/ML	0.0000
gw432	06/20/89	HG	<	0.00010	UG/ML	0.0000
gw432	08/31/89	HG	<	0.00010	UG/ML	0.0000
gw432	12/09/88	LI	<	0.20000	MG/L	0.0000
gw432	03/21/89	LI	<	0.20000	MG/L	0.0000
gw432	06/20/89	LI	<	15.00000	MG/L	0.0000
gw432	08/31/89	LI	<	15.00000	MG/L	0.0000
gw432	12/09/88	MG		3.00000	MG/L	0.0000
gw432	03/21/89	MG		2.70000	MG/L	0.0000
gw432	06/20/89	MG		2.50000	MG/L	0.0000
gw432	08/31/89	MG		2.20000	MG/L	0.0000
gw432	12/09/88	MN		0.01300	MG/L	0.0000
gw432	03/21/89	MN	<	0.00200	MG/L	0.0000
gw432	06/20/89	MN		0.01800	MG/L	0.0000
gw432	08/31/89	MN		0.00250	MG/L	0.0000
gw432	12/09/88	MO	<	0.04000	MG/L	0.0000
gw432	03/21/89	MO	<	0.04000	MG/L	0.0000
gw432	06/20/89	MO	<	0.04000	MG/L	0.0000
gw432	08/31/89	MO	<	0.04000	MG/L	0.0000
gw432	12/09/88	NA		110.00000	MG/L	0.0000
gw432	03/21/89	NA		110.00000	MG/L	0.0000
gw432	06/20/89	NA		130.00000	MG/L	0.0000
gw432	08/31/89	NA		98.00000	MG/L	0.0000
gw432	12/09/88	NI	<	0.00500	MG/L	0.0000
gw432	03/21/89	NI		0.01700	MG/L	0.0000
gw432	06/20/89	NI	<	0.00600	MG/L	0.0000
gw432	08/31/89	NI	<	0.00600	MG/L	0.0000
gw432	12/09/88	NITRATE	<	5.00000	MG/L	0.0000
gw432	03/21/89	NITRATE	<	5.00000	MG/L	0.0000
gw432	06/20/89	NITRATE	<	5.00000	MG/L	0.0000
gw432	12/09/88	P	<	0.30000	MG/L	0.0000
gw432	03/21/89	P	<	0.30000	MG/L	0.0000
gw432	06/20/89	P	<	0.30000	MG/L	0.0000
gw432	08/31/89	P	<	0.30000	MG/L	0.0000
gw432	12/09/88	PB	<	0.05000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw432	03/21/89	PB	<	0.05000	MG/L	0.0000
gw432	06/20/89	PB	<	0.03000	MG/L	0.0000
gw432	08/31/89	PB	<	0.03000	MG/L	0.0000
gw432	12/09/88	PHOSPHATE	<	5.00000	MG/L	0.0000
gw432	03/21/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw432	06/20/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw432	12/09/88	SB	<	0.03000	MG/L	0.0000
gw432	03/21/89	SB	<	0.03000	MG/L	0.0000
gw432	06/20/89	SB	<	0.04000	MG/L	0.0000
gw432	08/31/89	SB	<	0.04000	MG/L	0.0000
gw432	12/09/88	SE	<	0.00500	UG/ML	0.0000
gw432	03/21/89	SE	<	0.00500	UG/ML	0.0000
gw432	06/20/89	SE	<	0.00500	UG/ML	0.0000
gw432	08/31/89	SE	<	0.08000	MG/L	0.0000
gw432	12/09/88	SI		6.80000	MG/L	0.0000
gw432	03/21/89	SI		5.40000	MG/L	0.0000
gw432	06/20/89	SI		5.70000	MG/L	0.0000
gw432	12/09/88	SN	<	0.05000	MG/L	0.0000
gw432	03/21/89	SN	<	0.05000	MG/L	0.0000
gw432	06/20/89	SN	<	0.05000	MG/L	0.0000
gw432	08/31/89	SN	<	0.05000	MG/L	0.0000
gw432	12/09/88	SR		0.51000	MG/L	0.0000
gw432	03/21/89	SR		0.47000	MG/L	0.0000
gw432	06/20/89	SR		0.47000	MG/L	0.0000
gw432	08/31/89	SR		0.38000	MG/L	0.0000
gw432	12/09/88	SULFATE		15.00000	MG/L	0.0000
gw432	03/21/89	SULFATE		15.00000	MG/L	0.0000
gw432	06/20/89	SULFATE		15.00000	MG/L	0.0000
gw432	08/31/89	SULFATE		15.00000	MG/L	0.0000
gw432	12/09/88	TI	<	0.02000	MG/L	0.0000
gw432	03/21/89	TI	<	0.02000	MG/L	0.0000
gw432	06/20/89	TI	<	0.02000	MG/L	0.0000
gw432	08/31/89	TI	<	0.02000	MG/L	0.0000
gw432	12/09/88	TOC		0.70000	UG/ML	0.0000
gw432	03/21/89	TOC	<	0.50000	UG/ML	0.0000
gw432	06/20/89	TOC		0.70000	UG/ML	0.0000
gw432	08/31/89	TOC		1.00000	UG/ML	0.0000
gw432	12/09/88	TOTAL URANIUM		0.00100	MG/L	0.0000
gw432	03/21/89	TOTAL URANIUM		0.00300	MG/L	0.0000
gw432	06/20/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw432	08/31/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw432	12/09/88	TOX		21.00000	UG/L	0.0000
gw432	03/21/89	TOX	<	5.00000	UG/L	0.0000
gw432	06/20/89	TOX		6.00000	UG/L	0.0000
gw432	08/31/89	TOX	<	5.00000	UG/L	0.0000
gw432	12/08/88	TRITIUM		1.00000	BQ/L	45.0000
gw432	03/21/89	TRITIUM		5.00000	BQ/L	31.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw432	06/20/89	TRITIUM		20.00000	BQ/L	30.0000
gw432	08/31/89	TRITIUM		-8.00000	BQ/L	33.0000
gw432	12/09/88	V	<	0.00400	MG/L	0.0000
gw432	03/21/89	V	<	0.00400	MG/L	0.0000
gw432	06/20/89	V	<	0.00400	MG/L	0.0000
gw432	08/31/89	V	<	0.00300	MG/L	0.0000
gw432	12/09/88	ZN	<	0.00800	MG/L	0.0000
gw432	03/21/89	ZN	<	0.00800	MG/L	0.0000
gw432	06/20/89	ZN		0.01600	MG/L	0.0000
gw432	08/31/89	ZN		0.03400	MG/L	0.0000
gw432	12/09/88	ZR	<	0.02000	MG/L	0.0000
gw432	03/21/89	ZR	<	0.02000	MG/L	0.0000
gw432	06/20/89	ZR	<	0.02000	MG/L	0.0000
gw432	08/31/89	ZR	<	0.02000	MG/L	0.0000
gw437	12/08/88	AG	<	0.00500	MG/L	0.0000
gw437	03/21/89	AG	<	0.00500	MG/L	0.0000
gw437	06/16/89	AG	<	0.00500	MG/L	0.0000
gw437	08/31/89	AG	<	0.00500	MG/L	0.0000
gw437	12/08/88	AL		0.28000	MG/L	0.0000
gw437	03/21/89	AL		0.37000	MG/L	0.0000
gw437	06/16/89	AL	<	2.00000	MG/L	0.0000
gw437	08/31/89	AL		0.18000	MG/L	0.0000
gw437	12/08/88	ALKALINITY		151.25000	MG CACO3/L	0.0000
gw437	03/21/89	ALKALINITY		152.50000	MG CACO3/L	0.0000
gw437	06/16/89	ALKALINITY		146.30000	MG CACO3/L	0.0000
gw437	08/31/89	ALKALINITY		150.00000	MG CACO3/L	0.0000
gw437	12/08/88	AS	<	0.01000	UG/ML	0.0000
gw437	03/21/89	AS	<	0.01000	UG/ML	0.0000
gw437	06/16/89	AS	<	0.01000	UG/ML	0.0000
gw437	08/31/89	AS	<	0.05000	MG/L	0.0000
gw437	12/08/88	B	<	0.08000	MG/L	0.0000
gw437	03/21/89	B	<	0.08000	MG/L	0.0000
gw437	06/16/89	B	<	0.08000	MG/L	0.0000
gw437	08/31/89	B	<	0.08000	MG/L	0.0000
gw437	12/08/88	BA		0.19000	MG/L	0.0000
gw437	03/21/89	BA		0.19000	MG/L	0.0000
gw437	06/16/89	BA		0.22000	MG/L	0.0000
gw437	08/31/89	BA		0.18000	MG/L	0.0000
gw437	12/08/88	BE		0.00080	MG/L	0.0000
gw437	03/21/89	BE	<	0.00030	MG/L	0.0000
gw437	06/16/89	BE		0.03000	MG/L	0.0000
gw437	08/31/89	BE	<	0.00050	MG/L	0.0000
gw437	12/08/88	CA		56.00000	MG/L	0.0000
gw437	03/21/89	CA		56.00000	MG/L	0.0000
gw437	06/16/89	CA		52.00000	MG/L	0.0000
gw437	08/31/89	CA		48.00000	MG/L	0.0000
gw437	12/08/88	CD	<	0.00200	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw437	03/21/89	CD		0.01300	MG/L	0.0000
gw437	06/16/89	CD		0.01100	MG/L	0.0000
gw437	08/31/89	CD	<	0.00200	MG/L	0.0000
gw437	12/08/88	CHLORIDE		1.00000	MG/L	0.0000
gw437	03/21/89	CHLORIDE		1.10000	MG/L	0.0000
gw437	06/16/89	CHLORIDE		1.00000	MG/L	0.0000
gw437	08/31/89	CHLORIDE		1.00000	MG/L	0.0000
gw437	12/08/88	CO	<	0.00300	MG/L	0.0000
gw437	03/21/89	CO	<	0.00300	MG/L	0.0000
gw437	06/16/89	CO	<	0.00300	MG/L	0.0000
gw437	08/31/89	CO	<	0.00300	MG/L	0.0000
gw437	12/08/88	CR	<	0.00500	MG/L	0.0000
gw437	03/21/89	CR		0.01400	MG/L	0.0000
gw437	06/16/89	CR		0.01800	MG/L	0.0000
gw437	08/31/89	CR	<	0.00300	MG/L	0.0000
gw437	12/08/88	CU	<	0.01000	MG/L	0.0000
gw437	03/21/89	CU	<	0.01000	MG/L	0.0000
gw437	06/16/89	CU	<	0.01000	MG/L	0.0000
gw437	08/31/89	CU	<	0.00800	MG/L	0.0000
gw437	12/08/88	FE		0.01300	MG/L	0.0000
gw437	03/21/89	FE		0.02600	MG/L	0.0000
gw437	06/16/89	FE		0.93000	MG/L	0.0000
gw437	08/31/89	FE		0.05200	MG/L	0.0000
gw437	12/08/88	FLUORIDE	<	1.00000	MG/L	0.0000
gw437	03/21/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw437	06/16/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw437	08/31/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw437	03/21/89	G-ALPHA		-0.02900	BQ/L	0.0100
gw437	06/16/89	G-ALPHA		0.03100	BQ/L	0.0290
gw437	08/31/89	G-ALPHA		0.00000	BQ/L	0.3900
gw437	03/21/89	G-BETA		-0.11000	BQ/L	0.1500
gw437	06/16/89	G-BETA		0.12000	BQ/L	0.0600
gw437	08/31/89	G-BETA		-1.10000	BQ/L	1.4000
gw437	12/08/88	GA	<	0.30000	MG/L	0.0000
gw437	03/21/89	GA	<	0.30000	MG/L	0.0000
gw437	12/08/88	HG	<	0.00010	UG/ML	0.0000
gw437	03/21/89	HG	<	0.00010	UG/ML	0.0000
gw437	06/16/89	HG	<	0.00010	UG/ML	0.0000
gw437	08/31/89	HG	<	0.00010	UG/ML	0.0000
gw437	12/08/88	LI	<	0.20000	MG/L	0.0000
gw437	03/21/89	LI	<	0.20000	MG/L	0.0000
gw437	06/16/89	LI	<	15.00000	MG/L	0.0000
gw437	08/31/89	LI	<	15.00000	MG/L	0.0000
gw437	12/08/88	MG		5.10000	MG/L	0.0000
gw437	03/21/89	MG		5.00000	MG/L	0.0000
gw437	06/16/89	MG		5.00000	MG/L	0.0000
gw437	08/31/89	MG		4.10000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw437	12/08/88	MN		0.00350	MG/L	0.0000
gw437	03/21/89	MN		0.01100	MG/L	0.0000
gw437	06/16/89	MN		0.08300	MG/L	0.0000
gw437	08/31/89	MN		0.04700	MG/L	0.0000
gw437	12/08/88	MO	<	0.04000	MG/L	0.0000
gw437	03/21/89	MO	<	0.04000	MG/L	0.0000
gw437	06/16/89	MO	<	0.04000	MG/L	0.0000
gw437	08/31/89	MO	<	0.04000	MG/L	0.0000
gw437	12/08/88	NA		6.20000	MG/L	0.0000
gw437	03/21/89	NA	<	3.00000	MG/L	0.0000
gw437	06/16/89	NA		2.30000	MG/L	0.0000
gw437	08/31/89	NA	<	2.00000	MG/L	0.0000
gw437	12/08/88	NI	<	0.00500	MG/L	0.0000
gw437	03/21/89	NI		0.01800	MG/L	0.0000
gw437	06/16/89	NI	<	0.00600	MG/L	0.0000
gw437	08/31/89	NI	<	0.00600	MG/L	0.0000
gw437	12/08/88	NITRATE	<	5.00000	MG/L	0.0000
gw437	03/21/89	NITRATE	<	5.00000	MG/L	0.0000
gw437	06/16/89	NITRATE	<	0.50000	UG/ML	0.0000
gw437	12/08/88	P	<	0.30000	MG/L	0.0000
gw437	03/21/89	P	<	0.30000	MG/L	0.0000
gw437	06/16/89	P		0.45000	UG/ML	0.0000
gw437	08/31/89	P	<	0.30000	MG/L	0.0000
gw437	12/08/88	PB	<	0.05000	MG/L	0.0000
gw437	03/21/89	PB	<	0.05000	MG/L	0.0000
gw437	06/16/89	PB	<	0.03000	MG/L	0.0000
gw437	08/31/89	PB	<	0.03000	MG/L	0.0000
gw437	12/08/88	PHOSPHATE	<	5.00000	MG/L	0.0000
gw437	03/21/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw437	06/16/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw437	12/08/88	SB	<	0.03000	MG/L	0.0000
gw437	03/21/89	SB	<	0.03000	MG/L	0.0000
gw437	06/16/89	SB	<	0.04000	MG/L	0.0000
gw437	08/31/89	SB	<	0.04000	MG/L	0.0000
gw437	12/08/88	SE	<	0.00500	UG/ML	0.0000
gw437	03/21/89	SE	<	0.00500	UG/ML	0.0000
gw437	06/16/89	SE	<	0.00500	UG/ML	0.0000
gw437	08/31/89	SE	<	0.08000	MG/L	0.0000
gw437	12/08/88	SI		11.00000	MG/L	0.0000
gw437	03/21/89	SI		9.60000	MG/L	0.0000
gw437	06/16/89	SI		11.00000	MG/L	0.0000
gw437	12/08/88	SN	<	0.05000	MG/L	0.0000
gw437	03/21/89	SN	<	0.05000	MG/L	0.0000
gw437	06/16/89	SN	<	0.05000	MG/L	0.0000
gw437	08/31/89	SN	<	0.05000	MG/L	0.0000
gw437	12/08/88	SR		0.12000	MG/L	0.0000
gw437	03/21/89	SR		0.13000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw437	06/16/89	SR		0.12000	MG/L	0.0000
gw437	08/31/89	SR		0.11000	MG/L	0.0000
gw437	12/08/88	SULFATE		10.00000	MG/L	0.0000
gw437	03/21/89	SULFATE		11.00000	MG/L	0.0000
gw437	06/16/89	SULFATE		11.00000	MG/L	0.0000
gw437	08/31/89	SULFATE		11.00000	MG/L	0.0000
gw437	12/08/88	TI	<	0.02000	MG/L	0.0000
gw437	03/21/89	TI	<	0.02000	MG/L	0.0000
gw437	06/16/89	TI	<	0.02000	MG/L	0.0000
gw437	08/31/89	TI	<	0.02000	MG/L	0.0000
gw437	12/08/88	TOC		0.60000	UG/ML	0.0000
gw437	03/21/89	TOC	<	0.50000	UG/ML	0.0000
gw437	06/16/89	TOC	<	0.50000	UG/ML	0.0000
gw437	08/31/89	TOC		0.90000	UG/ML	0.0000
gw437	12/08/88	TOTAL URANIUM		0.00100	MG/L	0.0000
gw437	03/21/89	TOTAL URANIUM		0.00300	MG/L	0.0000
gw437	06/16/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw437	08/31/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw437	12/08/88	TOX	<	5.00000	UG/L	0.0000
gw437	03/21/89	TOX	<	5.00000	UG/L	0.0000
gw437	06/16/89	TOX	<	5.00000	UG/L	0.0000
gw437	08/31/89	TOX		15.00000	UG/L	0.0000
gw437	12/08/88	TRITIUM		-20.00000	BQ/L	43.0000
gw437	03/21/89	TRITIUM		3.00000	BQ/L	31.0000
gw437	06/16/89	TRITIUM		-23.00000	BQ/L	32.0000
gw437	08/31/89	TRITIUM		-7.00000	BQ/L	33.0000
gw437	12/08/88	V	<	0.00400	MG/L	0.0000
gw437	03/21/89	V	<	0.00400	MG/L	0.0000
gw437	06/16/89	V	<	0.00400	MG/L	0.0000
gw437	08/31/89	V	<	0.00300	MG/L	0.0000
gw437	12/08/88	ZN		0.01300	MG/L	0.0000
gw437	03/21/89	ZN	<	0.00800	MG/L	0.0000
gw437	06/16/89	ZN		0.01300	MG/L	0.0000
gw437	08/31/89	ZN		0.03000	MG/L	0.0000
gw437	12/08/88	ZR	<	0.02000	MG/L	0.0000
gw437	03/21/89	ZR	<	0.02000	MG/L	0.0000
gw437	06/16/89	ZR	<	0.02000	MG/L	0.0000
gw437	08/31/89	ZR	<	0.02000	MG/L	0.0000
gw443	12/08/88	AG	<	0.00500	MG/L	0.0000
gw443	03/21/89	AG	<	0.00500	MG/L	0.0000
gw443	06/28/89	AG	<	0.00500	MG/L	0.0000
gw443	08/31/89	AG		0.00560	MG/L	0.0000
gw443	12/08/88	AL		0.06400	MG/L	0.0000
gw443	03/21/89	AL		0.16000	MG/L	0.0000
gw443	06/28/89	AL		0.43000	MG/L	0.0000
gw443	08/31/89	AL		0.93000	MG/L	0.0000
gw443	12/08/88	ALKALINITY		150.00000	MG CACO3/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw443	03/21/89	ALKALINITY		57.50000	MG CACO3/L	0.0000
gw443	06/28/89	ALKALINITY		193.80000	MG CACO3/L	0.0000
gw443	08/31/89	ALKALINITY		216.00000	MG CACO3/L	0.0000
gw443	12/08/88	AS	<	0.01000	UG/ML	0.0000
gw443	03/21/89	AS	<	0.01000	UG/ML	0.0000
gw443	06/28/89	AS	<	0.01000	UG/ML	0.0000
gw443	08/31/89	AS		0.06400	MG/L	0.0000
gw443	12/08/88	B	<	0.08000	MG/L	0.0000
gw443	03/21/89	B	<	0.08000	MG/L	0.0000
gw443	06/28/89	B	<	0.08000	MG/L	0.0000
gw443	08/31/89	B	<	0.08000	MG/L	0.0000
gw443	12/08/88	BA		0.02900	MG/L	0.0000
gw443	03/21/89	BA	<	0.00200	MG/L	0.0000
gw443	06/28/89	BA		0.29000	MG/L	0.0000
gw443	08/31/89	BA		0.05600	MG/L	0.0000
gw443	12/08/88	BE	<	0.00030	MG/L	0.0000
gw443	03/21/89	BE	<	0.00030	MG/L	0.0000
gw443	06/28/89	BE	<	0.00040	MG/L	0.0000
gw443	08/31/89	BE	<	0.00050	MG/L	0.0000
gw443	12/08/88	CA		11.00000	MG/L	0.0000
gw443	03/21/89	CA		7.20000	MG/L	0.0000
gw443	06/28/89	CA		81.00000	MG/L	0.0000
gw443	08/31/89	CA		73.00000	MG/L	0.0000
gw443	12/08/88	CD	<	0.00200	MG/L	0.0000
gw443	03/21/89	CD		0.01200	MG/L	0.0000
gw443	06/28/89	CD	<	0.00200	MG/L	0.0000
gw443	08/31/89	CD	<	0.00200	MG/L	0.0000
gw443	12/08/88	CHLORIDE		5.90000	MG/L	0.0000
gw443	03/21/89	CHLORIDE		1.20000	MG/L	0.0000
gw443	06/28/89	CHLORIDE		9.40000	MG/L	0.0000
gw443	08/31/89	CHLORIDE		16.00000	MG/L	0.0000
gw443	12/08/88	CO	<	0.00300	MG/L	0.0000
gw443	03/21/89	CO	<	0.00300	MG/L	0.0000
gw443	06/28/89	CO	<	0.00300	MG/L	0.0000
gw443	08/31/89	CO	<	0.00300	MG/L	0.0000
gw443	12/08/88	CR		0.01000	MG/L	0.0000
gw443	03/21/89	CR		0.02300	MG/L	0.0000
gw443	06/28/89	CR		0.00620	MG/L	0.0000
gw443	08/31/89	CR	<	0.00300	MG/L	0.0000
gw443	12/08/88	CU	<	0.01000	MG/L	0.0000
gw443	03/21/89	CU	<	0.01000	MG/L	0.0000
gw443	06/28/89	CU	<	0.01000	MG/L	0.0000
gw443	08/31/89	CU	<	0.00800	MG/L	0.0000
gw443	12/08/88	FE		0.01400	MG/L	0.0000
gw443	03/21/89	FE		0.12000	MG/L	0.0000
gw443	06/28/89	FE	<	0.01000	MG/L	0.0000
gw443	08/31/89	FE		0.69000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw443	12/08/88	FLUORIDE	<	1.00000	MG/L	0.0000
gw443	03/21/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw443	06/28/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw443	08/31/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw443	12/08/88	G-ALPHA		0.02000	BQ/L	0.0400
gw443	03/21/89	G-ALPHA		-0.01400	BQ/L	0.0070
gw443	06/28/89	G-ALPHA		0.06300	BQ/L	0.0650
gw443	08/31/89	G-ALPHA		0.03000	BQ/L	0.3900
gw443	12/08/88	G-BETA		1.50000	BQ/L	0.2000
gw443	03/21/89	G-BETA		0.90000	BQ/L	0.2700
gw443	06/28/89	G-BETA		0.39000	BQ/L	0.1900
gw443	08/31/89	G-BETA		0.70000	BQ/L	1.9000
gw443	12/08/88	GA	<	0.30000	MG/L	0.0000
gw443	03/21/89	GA	<	0.30000	MG/L	0.0000
gw443	12/08/88	HG	<	0.00010	UG/ML	0.0000
gw443	03/21/89	HG	<	0.00010	UG/ML	0.0000
gw443	06/28/89	HG	<	0.00010	UG/ML	0.0000
gw443	08/31/89	HG	<	0.00010	UG/ML	0.0000
gw443	12/08/88	LI	<	0.20000	MG/L	0.0000
gw443	03/21/89	LI	<	0.20000	MG/L	0.0000
gw443	06/28/89	LI	<	15.00000	MG/L	0.0000
gw443	08/31/89	LI	<	15.00000	MG/L	0.0000
gw443	12/08/88	MG		7.60000	MG/L	0.0000
gw443	03/21/89	MG		3.30000	MG/L	0.0000
gw443	06/28/89	MG		11.00000	MG/L	0.0000
gw443	08/31/89	MG		11.00000	MG/L	0.0000
gw443	12/08/88	MN		0.00830	MG/L	0.0000
gw443	03/21/89	MN	<	0.00200	MG/L	0.0000
gw443	06/28/89	MN		0.03900	MG/L	0.0000
gw443	08/31/89	MN		0.32000	MG/L	0.0000
gw443	12/08/88	MO	<	0.04000	MG/L	0.0000
gw443	03/21/89	MO	<	0.04000	MG/L	0.0000
gw443	06/28/89	MO	<	0.04000	MG/L	0.0000
gw443	08/31/89	MO	<	0.04000	MG/L	0.0000
gw443	12/08/88	NA		17.00000	MG/L	0.0000
gw443	03/21/89	NA		5.20000	MG/L	0.0000
gw443	06/28/89	NA		11.00000	MG/L	0.0000
gw443	08/31/89	NA		13.00000	MG/L	0.0000
gw443	12/08/88	NI	<	0.00500	MG/L	0.0000
gw443	03/21/89	NI		0.01600	MG/L	0.0000
gw443	06/28/89	NI	<	0.00600	MG/L	0.0000
gw443	08/31/89	NI	<	0.00600	MG/L	0.0000
gw443	12/08/88	NITRATE	<	5.00000	MG/L	0.0000
gw443	03/21/89	NITRATE	<	5.00000	MG/L	0.0000
gw443	06/28/89	NITRATE	<	5.00000	MG/L	0.0000
gw443	12/08/88	P	<	0.30000	MG/L	0.0000
gw443	03/21/89	P	<	0.30000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw443	06/28/89	P	<	0.30000	MG/L	0.0000
gw443	08/31/89	P	<	0.30000	MG/L	0.0000
gw443	12/08/88	PB	<	0.05000	MG/L	0.0000
gw443	03/21/89	PB	<	0.05000	MG/L	0.0000
gw443	06/28/89	PB	<	0.03000	MG/L	0.0000
gw443	08/31/89	PB	<	0.03000	MG/L	0.0000
gw443	12/08/88	PHOSPHATE	<	5.00000	MG/L	0.0000
gw443	03/21/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw443	06/28/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw443	12/08/88	SB	<	0.03000	MG/L	0.0000
gw443	03/21/89	SB	<	0.03000	MG/L	0.0000
gw443	06/28/89	SB		0.04200	MG/L	0.0000
gw443	08/31/89	SB	<	0.04000	MG/L	0.0000
gw443	12/08/88	SE	<	0.00500	UG/ML	0.0000
gw443	03/21/89	SE	<	0.00500	UG/ML	0.0000
gw443	06/28/89	SE	<	0.00500	UG/ML	0.0000
gw443	08/31/89	SE	<	0.08000	MG/L	0.0000
gw443	12/08/88	SI		2.70000	MG/L	0.0000
gw443	03/21/89	SI		2.20000	MG/L	0.0000
gw443	06/28/89	SI		3.60000	MG/L	0.0000
gw443	12/08/88	SN	<	0.05000	MG/L	0.0000
gw443	03/21/89	SN	<	0.05000	MG/L	0.0000
gw443	06/28/89	SN	<	0.05000	MG/L	0.0000
gw443	08/31/89	SN	<	0.05000	MG/L	0.0000
gw443	12/08/88	SR		0.07000	MG/L	0.0000
gw443	03/21/89	SR		0.11000	MG/L	0.0000
gw443	06/28/89	SR		0.11000	MG/L	0.0000
gw443	08/31/89	SR		0.11000	MG/L	0.0000
gw443	12/08/88	SULFATE		16.00000	MG/L	0.0000
gw443	03/21/89	SULFATE		14.00000	MG/L	0.0000
gw443	06/28/89	SULFATE		11.00000	MG/L	0.0000
gw443	08/31/89	SULFATE		14.00000	MG/L	0.0000
gw443	12/08/88	TI	<	0.02000	MG/L	0.0000
gw443	03/21/89	TI	<	0.02000	MG/L	0.0000
gw443	06/28/89	TI	<	0.02000	MG/L	0.0000
gw443	08/31/89	TI	<	0.02000	MG/L	0.0000
gw443	12/08/88	TOC		1.20000	UG/ML	0.0000
gw443	03/21/89	TOC		0.90000	UG/ML	0.0000
gw443	06/28/89	TOC		0.90000	UG/ML	0.0000
gw443	08/31/89	TOC		1.50000	UG/ML	0.0000
gw443	12/08/88	TOTAL URANIUM		0.00100	MG/L	0.0000
gw443	03/21/89	TOTAL URANIUM		0.00300	MG/L	0.0000
gw443	06/28/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw443	08/31/89	TOTAL URANIUM		0.00090	MG/L	0.0000
gw443	12/08/88	TOX	<	5.00000	UG/L	0.0000
gw443	03/21/89	TOX	<	5.00000	UG/L	0.0000
gw443	06/28/89	TOX	<	5.00000	UG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw443	08/31/89	TOX		21.00000	UG/L	0.0000
gw443	12/08/88	TRITIUM		6.00000	BQ/L	44.0000
gw443	03/21/89	TRITIUM		11.00000	BQ/L	31.0000
gw443	06/28/89	TRITIUM		10.00000	BQ/L	29.0000
gw443	08/31/89	TRITIUM		-2.00000	BQ/L	33.0000
gw443	12/08/88	V		0.00610	MG/L	0.0000
gw443	03/21/89	V	<	0.00400	MG/L	0.0000
gw443	06/28/89	V	<	0.00400	MG/L	0.0000
gw443	08/31/89	V	<	0.00300	MG/L	0.0000
gw443	12/08/88	ZN	<	0.00800	MG/L	0.0000
gw443	03/21/89	ZN	<	0.00800	MG/L	0.0000
gw443	06/28/89	ZN	<	0.00800	MG/L	0.0000
gw443	08/31/89	ZN		0.04800	MG/L	0.0000
gw443	12/08/88	ZR	<	0.02000	MG/L	0.0000
gw443	03/21/89	ZR	<	0.02000	MG/L	0.0000
gw443	06/28/89	ZR	<	0.02000	MG/L	0.0000
gw443	08/31/89	ZR	<	0.02000	MG/L	0.0000
gw447	12/08/88	G-ALPHA		0.02000	BQ/L	0.0400
gw447	12/08/88	G-BETA		0.16000	BQ/L	0.0700
gw451	06/27/89	AG		0.00550	MG/L	0.0000
gw451	08/31/89	AG	<	0.00500	MG/L	0.0000
gw451	06/27/89	AL		0.23000	MG/L	0.0000
gw451	08/31/89	AL		0.09600	MG/L	0.0000
gw451	06/27/89	ALKALINITY		141.00000	MG CACO3/L	0.0000
gw451	08/31/89	ALKALINITY		64.00000	MG CACO3/L	0.0000
gw451	06/27/89	AS	<	0.01000	UG/ML	0.0000
gw451	08/31/89	AS	<	0.05000	MG/L	0.0000
gw451	06/27/89	B	<	0.08000	MG/L	0.0000
gw451	08/31/89	B	<	0.08000	MG/L	0.0000
gw451	06/27/89	BA		0.11000	MG/L	0.0000
gw451	08/31/89	BA		0.10000	MG/L	0.0000
gw451	06/27/89	BE	<	0.00040	MG/L	0.0000
gw451	08/31/89	BE	<	0.00050	MG/L	0.0000
gw451	06/27/89	CA		40.00000	MG/L	0.0000
gw451	08/31/89	CA		32.00000	MG/L	0.0000
gw451	06/27/89	CD	<	0.00200	MG/L	0.0000
gw451	08/31/89	CD	<	0.00200	MG/L	0.0000
gw451	06/27/89	CHLORIDE		1.20000	MG/L	0.0000
gw451	08/31/89	CHLORIDE		1.10000	MG/L	0.0000
gw451	06/27/89	CO	<	0.00300	MG/L	0.0000
gw451	08/31/89	CO	<	0.00300	MG/L	0.0000
gw451	06/27/89	CR		0.00590	MG/L	0.0000
gw451	08/31/89	CR	<	0.00300	MG/L	0.0000
gw451	06/27/89	CU	<	0.01000	MG/L	0.0000
gw451	08/31/89	CU	<	0.00800	MG/L	0.0000
gw451	06/27/89	FE		1.80000	MG/L	0.0000
gw451	08/31/89	FE		0.07000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw451	06/27/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw451	08/31/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw451	06/27/89	G-ALPHA		0.13000	BQ/L	0.0800
gw451	08/31/89	G-ALPHA		0.00000	BQ/L	0.3700
gw451	06/27/89	G-BETA		0.21000	BQ/L	0.1400
gw451	08/31/89	G-BETA		-0.90000	BQ/L	2.0000
gw451	06/27/89	HG	<	0.00010	UG/ML	0.0000
gw451	08/31/89	HG	<	0.00010	UG/ML	0.0000
gw451	06/27/89	LI	<	15.00000	MG/L	0.0000
gw451	08/31/89	LI	<	15.00000	MG/L	0.0000
gw451	06/27/89	MG		13.00000	MG/L	0.0000
gw451	08/31/89	MG		11.00000	MG/L	0.0000
gw451	06/27/89	MN		0.02100	MG/L	0.0000
gw451	08/31/89	MN		0.00490	MG/L	0.0000
gw451	06/27/89	MO	<	0.04000	MG/L	0.0000
gw451	08/31/89	MO	<	0.04000	MG/L	0.0000
gw451	06/27/89	NA		6.90000	MG/L	0.0000
gw451	08/31/89	NA		4.30000	MG/L	0.0000
gw451	06/27/89	NI	<	0.00600	MG/L	0.0000
gw451	08/31/89	NI	<	0.00600	MG/L	0.0000
gw451	06/27/89	NITRATE	<	5.00000	MG/L	0.0000
gw451	06/27/89	P	<	0.30000	MG/L	0.0000
gw451	08/31/89	P	<	0.30000	MG/L	0.0000
gw451	06/27/89	PB	<	0.03000	MG/L	0.0000
gw451	08/31/89	PB	<	0.03000	MG/L	0.0000
gw451	06/27/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw451	06/27/89	SB	<	0.04000	MG/L	0.0000
gw451	08/31/89	SB	<	0.04000	MG/L	0.0000
gw451	06/27/89	SE	<	0.00500	UG/ML	0.0000
gw451	08/31/89	SE	<	0.08000	MG/L	0.0000
gw451	06/27/89	SI		13.00000	MG/L	0.0000
gw451	06/27/89	SN	<	0.05000	MG/L	0.0000
gw451	08/31/89	SN	<	0.05000	MG/L	0.0000
gw451	06/27/89	SR		0.14000	MG/L	0.0000
gw451	08/31/89	SR		0.13000	MG/L	0.0000
gw451	06/27/89	SULFATE		16.00000	MG/L	0.0000
gw451	08/31/89	SULFATE		16.00000	MG/L	0.0000
gw451	06/27/89	TI	<	0.02000	MG/L	0.0000
gw451	08/31/89	TI	<	0.02000	MG/L	0.0000
gw451	06/27/89	TOC		0.50000	UG/ML	0.0000
gw451	08/31/89	TOC		0.70000	UG/ML	0.0000
gw451	06/27/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw451	08/31/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw451	06/27/89	TOX	<	5.00000	UG/L	0.0000
gw451	08/31/89	TOX	<	5.00000	UG/L	0.0000
gw451	06/27/89	TRITIUM		12.00000	BQ/L	29.0000
gw451	08/31/89	TRITIUM		10.00000	BQ/L	32.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw451	06/27/89	V	<	0.00400	MG/L	0.0000
gw451	08/31/89	V	<	0.00300	MG/L	0.0000
gw451	06/27/89	ZN	<	0.00800	MG/L	0.0000
gw451	08/31/89	ZN		0.02400	MG/L	0.0000
gw451	06/27/89	ZR	<	0.02000	MG/L	0.0000
gw451	08/31/89	ZR	<	0.02000	MG/L	0.0000
gw462	12/07/88	AG	<	0.00500	MG/L	0.0000
gw462	03/20/89	AG	<	0.00500	MG/L	0.0000
gw462	06/14/89	AG	<	0.00500	MG/L	0.0000
gw462	08/31/89	AG	<	0.00500	MG/L	0.0000
gw462	12/07/88	AL	<	0.05000	MG/L	0.0000
gw462	03/20/89	AL		0.36000	MG/L	0.0000
gw462	06/14/89	AL	<	2.00000	MG/L	0.0000
gw462	08/31/89	AL		0.21000	MG/L	0.0000
gw462	12/07/88	ALKALINITY		130.00000	MG CACO3/L	0.0000
gw462	03/20/89	ALKALINITY		181.30000	MG CACO3/L	0.0000
gw462	06/14/89	ALKALINITY		157.50000	MG CACO3/L	0.0000
gw462	08/31/89	ALKALINITY		178.00000	MG CACO3/L	0.0000
gw462	12/07/88	AS	<	0.01000	UG/ML	0.0000
gw462	03/20/89	AS	<	0.01000	UG/ML	0.0000
gw462	06/14/89	AS	<	0.01000	UG/ML	0.0000
gw462	08/31/89	AS	<	0.05000	MG/L	0.0000
gw462	12/07/88	B	<	0.08000	MG/L	0.0000
gw462	03/20/89	B	<	0.08000	MG/L	0.0000
gw462	06/14/89	B	<	0.08000	MG/L	0.0000
gw462	08/31/89	B	<	0.08000	MG/L	0.0000
gw462	12/07/88	BA		0.03900	MG/L	0.0000
gw462	03/20/89	BA		0.27000	MG/L	0.0000
gw462	06/14/89	BA		0.24000	MG/L	0.0000
gw462	08/31/89	BA		0.27000	MG/L	0.0000
gw462	12/07/88	BE	<	0.00030	MG/L	0.0000
gw462	03/20/89	BE	<	0.00030	MG/L	0.0000
gw462	06/14/89	BE		0.02900	MG/L	0.0000
gw462	08/31/89	BE	<	0.00050	MG/L	0.0000
gw462	12/07/88	CA		6.10000	MG/L	0.0000
gw462	03/20/89	CA		55.00000	MG/L	0.0000
gw462	06/14/89	CA		59.00000	MG/L	0.0000
gw462	08/31/89	CA		53.00000	MG/L	0.0000
gw462	12/07/88	CD	<	0.00200	MG/L	0.0000
gw462	03/20/89	CD		0.01300	MG/L	0.0000
gw462	06/14/89	CD		0.00870	MG/L	0.0000
gw462	08/31/89	CD	<	0.00200	MG/L	0.0000
gw462	12/07/88	CHLORIDE		1.10000	MG/L	0.0000
gw462	03/20/89	CHLORIDE		1.00000	MG/L	0.0000
gw462	06/14/89	CHLORIDE		1.00000	MG/L	0.0000
gw462	08/31/89	CHLORIDE		1.00000	MG/L	0.0000
gw462	12/07/88	CO	<	0.00300	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw462	03/20/89	CO		0.00350	MG/L	0.0000
gw462	06/14/89	CO	<	0.00300	MG/L	0.0000
gw462	08/31/89	CO	<	0.00300	MG/L	0.0000
gw462	12/07/88	CR	<	0.00500	MG/L	0.0000
gw462	03/20/89	CR		0.01500	MG/L	0.0000
gw462	06/14/89	CR		0.01700	MG/L	0.0000
gw462	08/31/89	CR	<	0.00300	MG/L	0.0000
gw462	12/07/88	CU	<	0.01000	MG/L	0.0000
gw462	03/20/89	CU	<	0.01000	MG/L	0.0000
gw462	06/14/89	CU	<	0.01000	MG/L	0.0000
gw462	08/31/89	CU	<	0.00800	MG/L	0.0000
gw462	12/07/88	FE	<	0.01000	MG/L	0.0000
gw462	03/20/89	FE		0.01700	MG/L	0.0000
gw462	06/14/89	FE	<	0.01000	MG/L	0.0000
gw462	08/31/89	FE		0.03100	MG/L	0.0000
gw462	12/07/88	FLUORIDE	<	1.00000	MG/L	0.0000
gw462	03/20/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw462	06/14/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw462	08/31/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw462	12/07/88	G-ALPHA		0.06000	BQ/L	0.0600
gw462	03/20/89	G-ALPHA		0.08200	BQ/L	0.0970
gw462	06/14/89	G-ALPHA		6.60000	BQ/L	2.3000
gw462	08/31/89	G-ALPHA		0.18000	BQ/L	0.5400
gw462	12/07/88	G-BETA		1.10000	BQ/L	0.2000
gw462	03/20/89	G-BETA		-0.06000	BQ/L	0.1600
gw462	06/14/89	G-BETA		-2.30000	BQ/L	1.0000
gw462	08/31/89	G-BETA		0.80000	BQ/L	1.9000
gw462	12/07/88	GA	<	0.30000	MG/L	0.0000
gw462	03/20/89	GA	<	0.30000	MG/L	0.0000
gw462	12/07/88	HG	<	0.00010	UG/ML	0.0000
gw462	03/20/89	HG	<	0.00010	UG/ML	0.0000
gw462	06/14/89	HG	<	0.00010	UG/ML	0.0000
gw462	08/31/89	HG	<	0.00010	UG/ML	0.0000
gw462	12/07/88	LI	<	0.20000	MG/L	0.0000
gw462	03/20/89	LI	<	0.20000	MG/L	0.0000
gw462	06/14/89	LI	<	15.00000	MG/L	0.0000
gw462	08/31/89	LI	<	15.00000	MG/L	0.0000
gw462	12/07/88	MG		5.40000	MG/L	0.0000
gw462	03/20/89	MG		8.20000	MG/L	0.0000
gw462	06/14/89	MG		8.10000	MG/L	0.0000
gw462	08/31/89	MG		7.30000	MG/L	0.0000
gw462	12/07/88	MN	<	0.00200	MG/L	0.0000
gw462	03/20/89	MN		0.03800	MG/L	0.0000
gw462	06/14/89	MN		0.05600	MG/L	0.0000
gw462	08/31/89	MN		0.08300	MG/L	0.0000
gw462	12/07/88	MO	<	0.04000	MG/L	0.0000
gw462	03/20/89	MO	<	0.04000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw462	06/14/89	MO	<	0.04000	MG/L	0.0000
gw462	08/31/89	MO	<	0.04000	MG/L	0.0000
gw462	12/07/88	NA		15.00000	MG/L	0.0000
gw462	03/20/89	NA		3.30000	MG/L	0.0000
gw462	06/14/89	NA		3.70000	MG/L	0.0000
gw462	08/31/89	NA		3.30000	MG/L	0.0000
gw462	12/07/88	NI	<	0.00500	MG/L	0.0000
gw462	03/20/89	NI		0.01900	MG/L	0.0000
gw462	06/14/89	NI	<	0.00600	MG/L	0.0000
gw462	08/31/89	NI	<	0.00600	MG/L	0.0000
gw462	12/07/88	NITRATE	<	5.00000	MG/L	0.0000
gw462	03/20/89	NITRATE	<	5.00000	MG/L	0.0000
gw462	06/14/89	NITRATE	<	0.50000	UG/ML	0.0000
gw462	12/07/88	P	<	0.30000	MG/L	0.0000
gw462	03/20/89	P	<	0.30000	MG/L	0.0000
gw462	06/14/89	P	<	0.30000	MG/L	0.0000
gw462	08/31/89	P	<	0.30000	MG/L	0.0000
gw462	12/07/88	PB	<	0.05000	MG/L	0.0000
gw462	03/20/89	PB	<	0.05000	MG/L	0.0000
gw462	06/14/89	PB	<	0.03000	MG/L	0.0000
gw462	08/31/89	PB	<	0.03000	MG/L	0.0000
gw462	12/07/88	PHOSPHATE	<	5.00000	MG/L	0.0000
gw462	03/20/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw462	06/14/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw462	12/07/88	SB	<	0.03000	MG/L	0.0000
gw462	03/20/89	SB	<	0.03000	MG/L	0.0000
gw462	06/14/89	SB	<	0.04000	MG/L	0.0000
gw462	08/31/89	SB	<	0.04000	MG/L	0.0000
gw462	12/07/88	SE	<	0.00500	UG/ML	0.0000
gw462	03/20/89	SE	<	0.00500	UG/ML	0.0000
gw462	06/14/89	SE	<	0.00500	UG/ML	0.0000
gw462	08/31/89	SE	<	0.08000	MG/L	0.0000
gw462	12/07/88	SI		7.20000	MG/L	0.0000
gw462	03/20/89	SI		7.70000	MG/L	0.0000
gw462	06/14/89	SI		6.70000	MG/L	0.0000
gw462	12/07/88	SN	<	0.05000	MG/L	0.0000
gw462	03/20/89	SN	<	0.05000	MG/L	0.0000
gw462	06/14/89	SN	<	0.05000	MG/L	0.0000
gw462	08/31/89	SN	<	0.05000	MG/L	0.0000
gw462	12/07/88	SR		0.11000	MG/L	0.0000
gw462	03/20/89	SR		0.43000	MG/L	0.0000
gw462	06/14/89	SR		0.33000	MG/L	0.0000
gw462	08/31/89	SR		0.40000	MG/L	0.0000
gw462	12/07/88	SULFATE		7.80000	MG/L	0.0000
gw462	03/20/89	SULFATE		5.60000	MG/L	0.0000
gw462	06/14/89	SULFATE		7.00000	MG/L	0.0000
gw462	08/31/89	SULFATE		6.10000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw462	12/07/88	TI	<	0.02000	MG/L	0.0000
gw462	03/20/89	TI	<	0.02000	MG/L	0.0000
gw462	06/14/89	TI	<	0.02000	MG/L	0.0000
gw462	08/31/89	TI	<	0.02000	MG/L	0.0000
gw462	12/07/88	TOC		0.80000	UG/ML	0.0000
gw462	03/20/89	TOC	<	0.50000	UG/ML	0.0000
gw462	06/14/89	TOC	<	0.50000	UG/ML	0.0000
gw462	08/31/89	TOC		1.10000	UG/ML	0.0000
gw462	12/07/88	TOTAL URANIUM		0.01000	MG/L	0.0000
gw462	03/20/89	TOTAL URANIUM		0.00300	MG/L	0.0000
gw462	06/14/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw462	08/31/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw462	12/07/88	TOX	<	5.00000	UG/L	0.0000
gw462	03/20/89	TOX	<	5.00000	UG/L	0.0000
gw462	06/14/89	TOX	<	5.00000	UG/L	0.0000
gw462	08/31/89	TOX		12.00000	UG/L	0.0000
gw462	12/07/88	TRITIUM		-1.00000	BQ/L	45.0000
gw462	03/20/89	TRITIUM		-24.00000	BQ/L	30.0000
gw462	06/14/89	TRITIUM		150.00000	BQ/L	70.0000
gw462	08/31/89	TRITIUM		-28.00000	BQ/L	33.0000
gw462	12/07/88	V		0.00560	MG/L	0.0000
gw462	03/20/89	V	<	0.00400	MG/L	0.0000
gw462	06/14/89	V	<	0.00400	MG/L	0.0000
gw462	08/31/89	V	<	0.00300	MG/L	0.0000
gw462	12/07/88	ZN	<	0.00800	MG/L	0.0000
gw462	03/20/89	ZN	<	0.00800	MG/L	0.0000
gw462	06/14/89	ZN	<	0.00800	MG/L	0.0000
gw462	08/31/89	ZN		0.03400	MG/L	0.0000
gw462	12/07/88	ZR	<	0.02000	MG/L	0.0000
gw462	03/20/89	ZR	<	0.02000	MG/L	0.0000
gw462	06/14/89	ZR	<	0.02000	MG/L	0.0000
gw462	08/31/89	ZR	<	0.02000	MG/L	0.0000
gw467	12/07/88	AG	<	0.00500	MG/L	0.0000
gw467	03/20/89	AG	<	0.00500	MG/L	0.0000
gw467	08/31/89	AG		0.00890	MG/L	0.0000
gw467	12/07/88	AL		0.23000	MG/L	0.0000
gw467	03/20/89	AL		0.20000	MG/L	0.0000
gw467	08/31/89	AL		0.80000	MG/L	0.0000
gw467	12/07/88	ALKALINITY		120.00000	MG CACO3/L	0.0000
gw467	03/20/89	ALKALINITY		62.50000	MG CACO3/L	0.0000
gw467	08/31/89	ALKALINITY		168.00000	MG CACO3/L	0.0000
gw467	12/07/88	AS	<	0.01000	UG/ML	0.0000
gw467	03/20/89	AS	<	0.01000	UG/ML	0.0000
gw467	08/31/89	AS		0.06400	MG/L	0.0000
gw467	12/07/88	B	<	0.08000	MG/L	0.0000
gw467	03/20/89	B	<	0.08000	MG/L	0.0000
gw467	08/31/89	B	<	0.08000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw467	12/07/88	BA		0.04800	MG/L	0.0000
gw467	03/20/89	BA		0.09200	MG/L	0.0000
gw467	08/31/89	BA		0.11000	MG/L	0.0000
gw467	12/07/88	BE		0.00070	MG/L	0.0000
gw467	03/20/89	BE	<	0.00030	MG/L	0.0000
gw467	08/31/89	BE	<	0.00050	MG/L	0.0000
gw467	12/07/88	CA		44.00000	MG/L	0.0000
gw467	03/20/89	CA		29.00000	MG/L	0.0000
gw467	08/31/89	CA		59.00000	MG/L	0.0000
gw467	12/07/88	CD	<	0.00200	MG/L	0.0000
gw467	03/20/89	CD		0.01300	MG/L	0.0000
gw467	08/31/89	CD		0.00250	MG/L	0.0000
gw467	12/07/88	CHLORIDE		3.50000	MG/L	0.0000
gw467	03/20/89	CHLORIDE		1.10000	MG/L	0.0000
gw467	08/31/89	CHLORIDE		4.10000	MG/L	0.0000
gw467	12/07/88	CO	<	0.00300	MG/L	0.0000
gw467	03/20/89	CO		0.00310	MG/L	0.0000
gw467	08/31/89	CO	<	0.00300	MG/L	0.0000
gw467	12/07/88	CR	<	0.00500	MG/L	0.0000
gw467	03/20/89	CR		0.01200	MG/L	0.0000
gw467	08/31/89	CR		0.00680	MG/L	0.0000
gw467	12/07/88	CU	<	0.01000	MG/L	0.0000
gw467	03/20/89	CU	<	0.01000	MG/L	0.0000
gw467	08/31/89	CU	<	0.00800	MG/L	0.0000
gw467	12/07/88	FE	<	0.01000	MG/L	0.0000
gw467	03/20/89	FE		0.07300	MG/L	0.0000
gw467	08/31/89	FE		0.72000	MG/L	0.0000
gw467	12/07/88	FLUORIDE	<	1.00000	MG/L	0.0000
gw467	03/20/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw467	08/31/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw467	12/07/88	G-ALPHA		0.12000	BQ/L	0.0900
gw467	03/20/89	G-ALPHA		0.05600	BQ/L	0.0810
gw467	08/31/89	G-ALPHA		1.10000	BQ/L	1.3000
gw467	12/07/88	G-BETA		0.13000	BQ/L	0.0700
gw467	03/20/89	G-BETA		0.03000	BQ/L	0.2200
gw467	08/31/89	G-BETA		1.10000	BQ/L	2.0000
gw467	12/07/88	GA	<	0.30000	MG/L	0.0000
gw467	03/20/89	GA	<	0.30000	MG/L	0.0000
gw467	12/07/88	HG	<	0.00010	UG/ML	0.0000
gw467	03/20/89	HG	<	0.00010	UG/ML	0.0000
gw467	08/31/89	HG	<	0.00010	UG/ML	0.0000
gw467	12/07/88	LI	<	0.20000	MG/L	0.0000
gw467	03/20/89	LI	<	0.20000	MG/L	0.0000
gw467	08/31/89	LI	<	15.00000	MG/L	0.0000
gw467	12/07/88	MG		6.70000	MG/L	0.0000
gw467	03/20/89	MG		3.10000	MG/L	0.0000
gw467	08/31/89	MG		11.00000	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw467	12/07/88	MN		0.00630	MG/L	0.0000
gw467	03/20/89	MN	<	0.00200	MG/L	0.0000
gw467	08/31/89	MN		0.25000	MG/L	0.0000
gw467	12/07/88	MO	<	0.04000	MG/L	0.0000
gw467	03/20/89	MO	<	0.04000	MG/L	0.0000
gw467	08/31/89	MO	<	0.04000	MG/L	0.0000
gw467	12/07/88	NA		3.60000	MG/L	0.0000
gw467	03/20/89	NA	<	3.00000	MG/L	0.0000
gw467	08/31/89	NA	<	2.00000	MG/L	0.0000
gw467	12/07/88	NI	<	0.00500	MG/L	0.0000
gw467	03/20/89	NI		0.02100	MG/L	0.0000
gw467	08/31/89	NI		0.01100	MG/L	0.0000
gw467	12/07/88	NITRATE		7.30000	MG/L	0.0000
gw467	03/20/89	NITRATE	<	5.00000	MG/L	0.0000
gw467	12/07/88	P	<	0.30000	MG/L	0.0000
gw467	03/20/89	P	<	0.30000	MG/L	0.0000
gw467	08/31/89	P	<	0.30000	MG/L	0.0000
gw467	12/07/88	PB	<	0.05000	MG/L	0.0000
gw467	03/20/89	PB	<	0.05000	MG/L	0.0000
gw467	08/31/89	PB		0.05700	MG/L	0.0000
gw467	12/07/88	PHOSPHATE	<	5.00000	MG/L	0.0000
gw467	03/20/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw467	12/07/88	SB	<	0.03000	MG/L	0.0000
gw467	03/20/89	SB	<	0.03000	MG/L	0.0000
gw467	08/31/89	SB	<	0.04000	MG/L	0.0000
gw467	12/07/88	SE	<	0.00500	UG/ML	0.0000
gw467	03/20/89	SE	<	0.00500	UG/ML	0.0000
gw467	08/31/89	SE	<	0.08000	MG/L	0.0000
gw467	12/07/88	SI		3.70000	MG/L	0.0000
gw467	03/20/89	SI		3.30000	MG/L	0.0000
gw467	12/07/88	SN	<	0.05000	MG/L	0.0000
gw467	03/20/89	SN	<	0.05000	MG/L	0.0000
gw467	08/31/89	SN	<	0.05000	MG/L	0.0000
gw467	12/07/88	SR		0.06200	MG/L	0.0000
gw467	03/20/89	SR		0.04800	MG/L	0.0000
gw467	08/31/89	SR		0.09500	MG/L	0.0000
gw467	12/07/88	SULFATE		13.00000	MG/L	0.0000
gw467	03/20/89	SULFATE		8.30000	MG/L	0.0000
gw467	08/31/89	SULFATE		9.50000	MG/L	0.0000
gw467	12/07/88	TI	<	0.02000	MG/L	0.0000
gw467	03/20/89	TI	<	0.02000	MG/L	0.0000
gw467	08/31/89	TI	<	0.02000	MG/L	0.0000
gw467	12/07/88	TOC		0.90000	UG/ML	0.0000
gw467	03/20/89	TOC		0.50000	UG/ML	0.0000
gw467	08/31/89	TOC		1.40000	UG/ML	0.0000
gw467	12/07/88	TOTAL URANIUM		0.00100	MG/L	0.0000
gw467	03/20/89	TOTAL URANIUM		0.00300	MG/L	0.0000

Table 3.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw467	08/31/89	TOTAL URANIUM		0.00080	MG/L	0.0000
gw467	12/07/88	TOX	<	5.00000	UG/L	0.0000
gw467	03/20/89	TOX	<	5.00000	UG/L	0.0000
gw467	08/31/89	TOX	<	5.00000	UG/L	0.0000
gw467	12/07/88	TRITIUM		-3.00000	BQ/L	45.0000
gw467	03/20/89	TRITIUM		-7.00000	BQ/L	31.0000
gw467	08/31/89	TRITIUM		20.00000	BQ/L	34.0000
gw467	12/07/88	V		0.00520	MG/L	0.0000
gw467	03/20/89	V	<	0.00400	MG/L	0.0000
gw467	08/31/89	V		0.00380	MG/L	0.0000
gw467	12/07/88	ZN		0.01600	MG/L	0.0000
gw467	03/20/89	ZN	<	0.00800	MG/L	0.0000
gw467	08/31/89	ZN		0.08800	MG/L	0.0000
gw467	12/07/88	ZR	<	0.02000	MG/L	0.0000
gw467	03/20/89	ZR	<	0.02000	MG/L	0.0000
gw467	08/31/89	ZR	<	0.02000	MG/L	0.0000

*Explanation of data qualifiers (QL): "U" indicates compound was analyzed for but not detected. "J" indicates that the quantitative value is estimated. "B" appears for a compound that was detected in both the sample and its associated blank. "E" indicates that the reported concentration of the compound exceeded the calibration range of the instrument.

**The uncertainty value was determined only for the radiological parameters and is a measure of decay counting statistics for the analyses.

Table 3.8

PRECIPITATION SUMMARY, JANUARY -- DECEMBER 1988
BEAR CREEK BURIAL GROUND: SITE ID = BUR
Precipitation in mm

DAY	JAN88	FEB88	MAR88	APR88	MAY88	JUN88	JUL88	AUG88	SEP88	OCT88	NOV88	DEC88
1	9.39	0.00	0.00	10.41	0.00	0.00	0.00	0.00	0.00	10.36	0.00	0.00
2	0.00	12.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.54	0.00	0.00
3	7.74	17.40	1.27	5.33	5.84	0.00	7.32	0.00	26.67	0.00	0.00	0.00
4	0.00	13.84	5.84	0.00	11.17	0.00	0.00	1.78	56.89	0.00	41.91	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.54	0.00	0.00	20.76	0.00
6	0.00	0.00	0.00	21.84	0.00	0.00	0.00	1.27	0.00	0.00	0.58	0.00
7	11.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00
9	0.00	0.00	2.67	0.00	10.54	3.06	0.00	0.00	0.00	0.00	0.00	9.66
10	0.00	0.00	50.04	0.00	14.61	0.00	0.00	0.00	0.00	0.00	5.84	0.00
11	0.00	4.31	0.00	0.76	0.00	0.00	4.61	1.27	0.00	0.00	0.00	0.00
12	0.51	0.00	12.71	6.86	0.00	0.00	53.54	0.00	0.13	0.00	0.76	0.00
13	1.28	0.00	0.00	0.00	0.00	0.00	43.66	0.00	0.00	0.00	2.54	0.00
14	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	14.97	0.00	5.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	6.98	8.26	0.00	8.64	0.00	13.72	0.00
17	12.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.23	3.56	0.00	0.00
18	0.00	0.00	3.82	19.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	76.19	5.59	0.00	4.83	0.00	0.00	0.00	4.08	0.00	0.00	21.85	0.00
20	1.02	0.00	0.00	0.00	0.00	0.00	0.00	38.49	1.27	3.80	17.02	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	31.99	0.00	0.00	8.37	0.00	17.02
22	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	5.07	0.00	7.49	0.51	0.00	3.82	2.28	0.00	3.81	0.00	10.15
24	1.27	0.00	1.01	0.25	18.02	0.00	0.00	0.00	6.09	0.00	0.00	17.02
25	0.00	0.00	2.17	0.00	1.27	11.05	0.00	0.00	0.00	2.80	0.00	0.00
26	0.00	0.00	3.30	0.00	0.00	0.00	11.54	0.00	0.00	0.00	8.89	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.35	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.88	0.00	9.01
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	.	0.26	0.00	0.00	1.32	0.00	0.00	0.00	0.76	0.00	16.89
31	0.50	.	1.27	.	0.00	.	0.00	0.00	.	1.52	.	31.49
	======	======	======	======	======	======	======	======	======	======	======	======
TOTAL (mm)	122.15	73.62	84.36	82.92	63.60	22.41	164.54	51.71	129.92	49.40	156.60	111.24
TOTAL (in)	4.81	2.90	3.32	3.26	2.50	0.88	6.48	2.04	5.11	1.94	6.17	4.38

1988 TOTAL (mm): 1112.47
1988 TOTAL (in): 43.80

Table 3.9. Precipitation summary, January - August 1989
Bear Creek Burial Ground: Site ID = BUR
Precipitation (daily totals), measured in mm

Date	Rainfall	Date	Rainfall	Date	Rainfall
01/01/89	1.0300	01/02/89	1.2800	01/03/89	0.5000
01/04/89	0.0000	01/05/89	1.7800	01/06/89	14.9800
01/07/89	0.0000	01/08/89	27.1800	01/09/89	0.5000
01/10/89	0.7600	01/11/89	25.4100	01/12/89	45.9500
01/13/89	7.8600	01/14/89	19.8000	01/15/89	0.0000
01/16/89	0.0000	01/17/89	0.0000	01/18/89	0.0000
01/19/89	0.0000	01/20/89	0.0000	01/21/89	0.0000
01/22/89	0.0000	01/23/89	0.0000	01/24/89	0.0000
01/25/89	0.0000	01/26/89	2.5400	01/27/89	0.0000
01/28/89	0.0000	01/29/89	0.7700	01/30/89	14.1000
01/31/89	0.0000	02/01/89	0.0000	02/02/89	0.0000
02/03/89	3.4300	02/04/89	0.0000	02/05/89	13.2200
02/06/89	13.7000	02/07/89	2.5500	02/08/89	0.0000
02/09/89	0.0000	02/10/89	0.0000	02/11/89	0.0000
02/12/89	0.0000	02/13/89	0.8900	02/14/89	11.5600
02/15/89	0.0000	02/16/89	4.8300	02/17/89	28.4300
02/18/89	5.3600	02/19/89	0.0000	02/20/89	10.1600
02/21/89	21.2100	02/22/89	0.0000	02/23/89	0.0000
02/24/89	0.0000	02/25/89	0.0000	02/26/89	0.0000
02/27/89	21.0900	02/28/89	0.7600	03/01/89	0.0000
03/02/89	0.0000	03/03/89	0.0000	03/04/89	8.1300
03/05/89	41.6500	03/06/89	2.2900	03/07/89	0.0000
03/08/89	0.0000	03/09/89	0.0000	03/10/89	0.0000
03/11/89	0.0000	03/12/89	0.0000	03/13/89	0.0000
03/14/89	0.0000	03/15/89	1.6500	03/16/89	0.0000
03/17/89	0.0000	03/18/89	9.5200	03/19/89	0.0000
03/20/89	13.9700	03/21/89	10.9100	03/22/89	0.0000
03/23/89	10.6700	03/24/89	0.0000	03/25/89	0.0000
03/26/89	0.0000	03/27/89	0.0000	03/28/89	0.0000
03/29/89	0.7600	03/30/89	30.7300	03/31/89	12.2000
04/01/89	0.0000	04/02/89	0.0000	04/03/89	7.8700
04/04/89	24.6500	04/05/89	0.0000	04/06/89	0.0000
04/07/89	3.8000	04/08/89	11.8000	04/09/89	0.0000
04/10/89	0.0000	04/11/89	0.0000	04/12/89	0.0000
04/13/89	0.0000	04/14/89	2.5400	04/15/89	5.0900
04/16/89	0.0000	04/17/89	0.0000	04/18/89	0.0000
04/19/89	0.0000	04/20/89	0.0000	04/21/89	0.0000
04/22/89	0.0000	04/23/89	2.2800	04/24/89	2.6600
04/25/89	0.0000	04/26/89	0.0000	04/27/89	2.0300
04/28/89	0.3800	04/29/89	5.5900	04/30/89	0.0000
05/01/89	15.5100	05/02/89	0.0000	05/03/89	0.0000
05/04/89	8.3800	05/05/89	42.6700	05/06/89	1.7700
05/07/89	0.0000	05/08/89	2.2900	05/09/89	23.6200
05/10/89	0.0000	05/11/89	0.0000	05/12/89	0.0000

Table 3.9 (continued)

Date	Rainfall	Date	Rainfall	Date	Rainfall
05/13/89	0.0000	05/14/89	0.0000	05/15/89	0.6300
05/16/89	0.0000	05/17/89	0.0000	05/18/89	0.0000
05/19/89	2.7900	05/20/89	30.1000	05/21/89	0.0000
05/22/89	0.0000	05/23/89	1.1400	05/24/89	0.0000
05/25/89	0.0000	05/26/89	26.1600	05/27/89	19.4300
05/28/89	0.0000	05/29/89	0.0000	05/30/89	0.0000
05/31/89	0.0000	06/01/89	0.0000	06/02/89	5.4600
06/03/89	1.9000	06/04/89	10.9200	06/05/89	20.0700
06/06/89	11.6900	06/07/89	0.0000	06/08/89	18.5500
06/09/89	26.6700	06/10/89	0.0000	06/11/89	0.0000
06/12/89	26.0200	06/13/89	11.1700	06/14/89	3.5600
06/15/89	37.3500	06/16/89	17.2700	06/17/89	0.0000
06/18/89	0.0000	06/19/89	3.4400	06/20/89	33.0200
06/21/89	4.4500	06/22/89	3.8200	06/23/89	0.1300
06/24/89	0.0000	06/25/89	0.0000	06/26/89	0.0000
06/27/89	0.0000	06/28/89	20.3300	06/29/89	0.0000
06/30/89	0.0000	07/01/89	2.2800	07/02/89	6.6000
07/03/89	18.5400	07/04/89	4.5600	07/05/89	0.0000
07/06/89	29.5800	07/07/89	0.0000	07/08/89	0.0000
07/09/89	0.0000	07/10/89	0.0000	07/11/89	8.2500
07/12/89	4.9600	07/13/89	3.0400	07/14/89	0.0000
07/15/89	0.0000	07/16/89	3.4200	07/17/89	0.0000
07/18/89	0.0000	07/19/89	10.0300	07/20/89	0.0000
07/21/89	5.4700	07/22/89	1.0100	07/23/89	2.7900
07/24/89	0.0000	07/25/89	0.0000	07/26/89	0.0000
07/27/89	0.0000	07/28/89	11.1800	07/29/89	0.0000
07/30/89	12.9500	07/31/89	5.9400	08/01/89	58.6800
08/02/89	0.0000	08/03/89	0.0000	08/04/89	0.0000
08/05/89	0.0000	08/06/89	0.1200	08/07/89	0.0000
08/08/89	0.0000	08/09/89	0.0000	08/10/89	0.0000
08/11/89	0.0000	08/12/89	0.0000	08/13/89	0.0000
08/14/89	0.0000	08/15/89	0.0000	08/16/89	0.0000
08/17/89	10.8000	08/18/89	0.0000	08/19/89	0.0000
08/20/89	0.0000	08/21/89	0.0000	08/22/89	0.3800
08/23/89	51.0500	08/24/89	2.6700	08/25/89	0.0000
08/26/89	31.2500	08/27/89	0.0000	08/28/89	0.0000
08/29/89	0.0000	08/30/89	0.2500	08/31/89	0.0000

Table 3.10. Surface water discharge summary
Average daily flows in cfs
Bear Creek site, January-December 1988
(six collection points)

Date	GS10	GS9	GS11	GS7	GS12	GS8
01/01/88	0.0800	2.1000	0.0500	2.9000	0.0500	2.9000
01/02/88	0.0700	1.4000	0.0300	2.8000	0.0400	2.6000
01/03/88	0.0500	0.9700	0.0300	2.0000	0.0300	1.8000
01/04/88	0.0800	1.9000	0.0400	3.2000	0.0400	3.1000
01/05/88	0.0600	1.0000	0.0200	2.1000	0.0200	1.9000
01/06/88	0.0500	0.7500	0.0300	1.6000	0.0200	1.3000
01/07/88	0.0500	0.6800	0.0300	1.3000	0.0200	1.2000
01/08/88	0.0500	0.6900	0.0200	1.4000	0.0200	1.2000
01/09/88	0.0500	0.6000	0.0100	1.3000	0.0200	1.0000
01/10/88	0.0500	0.5100	0.0100	1.0000	0.0200	0.8700
01/11/88	0.0500	0.4600	0.0100	0.9900	0.0200	0.7800
01/12/88	0.0500	0.4400	0.0200	0.9200	0.0200	0.7600
01/13/88	0.0400	0.5800	0.0100	1.0000	0.0300	0.9200
01/14/88	0.0400	0.6900	0.0300	1.3000	0.0300	1.2000
01/15/88	0.0400	0.5800	0.0300	1.2000	0.0200	1.0000
01/16/88	0.0400	0.5600	0.0200	1.1000	0.0200	0.9800
01/17/88	0.0400	1.5000	0.0500	1.9000	0.0300	1.9000
01/18/88	0.2000	4.0000	0.2000	6.1000	0.1400	7.4000
01/19/88	7.1000	31.0000	3.1000	24.0000	1.5000	48.0000
01/20/88	9.5000	16.0000	4.1000	96.0000	2.5000	50.0000
01/21/88	0.6900	8.1000	0.4100	16.0000	0.3400	40.0000
01/22/88	0.3100	4.3000	0.1800	8.9000	0.1600	9.0000
01/23/88	0.1900	2.9000	0.1200	6.2000	0.1100	4.5000
01/24/88	0.1400	2.1000	0.0700	4.8000	0.0900	3.0000
01/25/88	0.1200	1.7000	0.0500	3.6000	0.0700	2.5000
01/26/88	0.0900	1.3000	0.0300	2.9000	0.0600	2.0000
01/27/88	0.0800	1.0000	0.0200	2.4000	0.0500	1.7000
01/28/88	0.0700	0.9400	0.0200	2.1000	0.0400	1.5000
01/29/88	0.0500	0.8700	0.0100	1.9000	0.0300	1.4000
01/30/88	0.0500	0.8100	0.0100	1.7000	0.0400	1.3000
01/31/88	0.0400	0.7700	0.0100	1.6000	0.0400	1.2000
02/01/88	0.0400	0.7500	0.0100	1.6000	0.0400	1.2000
02/02/88	0.0800	1.4000	0.0500	2.2000	0.0600	2.1000
02/03/88	0.1700	3.5000	0.1100	4.6000	0.0900	4.3000
02/04/88	2.0000	23.0000	1.0000	30.0000	0.7500	33.0000
02/05/88	0.8600	8.2000	0.4300	13.0000	0.4000	15.0000
02/06/88	0.4000	4.6000	0.1800	7.5000	0.2100	9.1000
02/07/88	0.2800	3.2000	0.1200	5.5000	0.1600	6.6000
02/08/88	0.1900	2.6000	0.0900	4.6000	0.1300	5.3000
02/09/88	0.1500	2.0000	0.0600	4.0000	0.1000	4.4000
02/10/88	0.1300	1.6000	0.0400	3.4000	0.0900	3.5000
02/11/88	0.1200	1.4000	0.0300	3.0000	0.0700	2.9000
02/12/88	0.1100	1.4000	0.0300	3.0000	0.0700	2.9000
02/13/88	0.0900	1.1000	0.0200	2.5000	0.0600	2.4000
02/14/88	0.0900	1.0000	0.0200	2.1000	0.0600	2.1000

Table 3.10 (continued)

Date	GS10	GS9	GS11	GS7	GS12	GS8
02/15/88	0.1800	3.2000	0.1100	4.5000	0.1300	4.9000
02/16/88	0.2000	2.9000	0.1000	4.8000	0.1200	5.2000
02/17/88	0.1700	2.3000	0.0800	4.2000	0.1100	4.5000
02/18/88	0.1500	2.0000	0.0600	3.8000	0.0900	4.0000
02/19/88	0.1600	2.3000	0.0800	3.9000	0.1000	4.3000
02/20/88	0.1500	2.1000	0.0700	3.8000	0.1000	4.3000
02/21/88	0.1300	1.7000	0.0500	3.5000	0.0900	3.5000
02/22/88	0.1200	1.5000	0.0400	3.0000	0.0800	3.0000
02/23/88	0.1300	1.6000	0.0500	3.0000	0.0800	3.0000
02/24/88	0.1200	1.5000	0.0300	3.0000	0.0700	3.0000
02/25/88	0.1100	1.2000	0.0300	2.5000	0.0700	2.6000
02/26/88	0.1000	1.2000	0.0200	2.2000	0.0700	2.4000
02/27/88	0.1000	1.1000	0.0200	2.2000	0.0700	2.4000
02/28/88	0.0900	1.0000	0.0200	2.1000	0.0600	2.2000
02/29/88	0.0800	0.9600	0.0200	2.0000	0.0600	2.0000
03/01/88	0.0700	0.8700	0.0100	1.8000	0.0500	1.8000
03/02/88	0.0700	0.8400	0.0100	1.6000	0.0500	1.6000
03/03/88	0.0700	0.8400	0.0100	1.6000	0.0500	1.6000
03/04/88	0.0800	0.9900	0.0200	1.9000	0.0700	1.9000
03/05/88	0.0700	0.8600	0.0100	1.7000	0.0700	1.8000
03/06/88	0.0600	0.7900	0.0000	1.6000	0.0700	1.5000
03/07/88	0.0500	0.7500	0.0000	1.4000	0.0700	1.4000
03/08/88	0.0500	0.7100	0.0000	1.3000	0.0600	1.3000
03/09/88	0.0600	0.7600	0.0000	1.4000	0.0600	1.4000
03/10/88	5.7000	53.0000	2.8000	80.0000	2.2000	93.0000
03/11/88	1.4000	13.0000	0.6800	25.0000	0.6700	24.0000
03/12/88	0.7700	8.3000	0.4000	16.0000	0.4100	16.0000
03/13/88	0.8000	9.5000	0.4400	17.0000	0.4400	18.0000
03/14/88	0.5500	6.1000	0.2500	12.0000	0.3100	13.0000
03/15/88	0.3700	4.5000	0.1400	9.6000	0.2200	9.3000
03/16/88	0.2700	3.5000	0.1000	7.7000	0.1600	7.2000
03/17/88	0.2100	2.8000	0.0900	6.1000	0.1300	5.8000
03/18/88	0.1800	2.5000	0.0700	5.5000	0.1200	5.1000
03/19/88	0.1500	2.3000	0.0500	5.1000	0.1100	4.7000
03/20/88	0.1300	1.8000	0.0300	4.0000	0.0900	3.8000
03/21/88	0.1200	1.6000	0.0300	3.5000	0.0700	3.3000
03/22/88	0.1100	1.3000	0.0200	3.1000	0.0700	2.8000
03/23/88	0.1000	1.2000	0.0100	2.8000	0.0600	2.4000
03/24/88	0.0900	1.1000	0.0100	2.6000	0.0500	2.2000
03/25/88	0.0900	1.1000	0.0100	2.5000	0.0500	2.2000
03/26/88	0.0900	1.1000	0.0100	2.5000	0.0600	2.2000
03/27/88	0.0800	1.1000	0.0000	2.5000	0.0500	2.1000
03/28/88	0.0800	0.9200	0.0000	2.2000	0.0400	1.9000
03/29/88	0.0700	0.8600	0.0000	2.0000	0.0300	1.8000
03/30/88	0.0700	0.8500	0.0000	1.9000	0.0300	1.6000
03/31/88	0.0700	0.8500	0.0000	1.9000	0.0400	1.6000
04/01/88	0.1000	1.1000	0.0400	2.1000	0.0700	2.0000

Table 3.10 (continued)

Date	GS10	GS9	GS11	GS7	GS12	GS8
04/02/88	0.1300	1.5000	0.0700	3.1000	0.1000	3.0000
04/03/88	0.1400	1.3000	0.0700	2.8000	0.1000	2.6000
04/04/88	0.1700	1.7000	0.0800	3.4000	0.1200	3.6000
04/05/88	0.1700	1.4000	0.0600	3.2000	0.1000	3.2000
04/06/88	0.7700	7.6000	0.5100	12.0000	0.4100	12.0000
04/07/88	0.8000	6.0000	0.3600	12.0000	0.3800	12.0000
04/08/88	0.4700	4.1000	0.1500	9.2000	0.2400	8.7000
04/09/88	0.3200	3.1000	0.0900	7.4000	0.1700	6.8000
04/10/88	0.2500	2.5000	0.0600	6.0000	0.1400	5.6000
04/11/88	0.2000	2.2000	0.0400	5.5000	0.1200	4.9000
04/12/88	0.1900	2.3000	0.0400	5.1000	0.1200	4.9000
04/13/88	0.1600	1.8000	0.0300	4.4000	0.1000	4.2000
04/14/88	0.1400	1.5000	0.0300	3.4000	0.0900	3.2000
04/15/88	0.1300	1.4000	0.0200	3.1000	0.0800	2.9000
04/16/88	0.1300	1.4000	0.0200	3.1000	0.0700	2.9000
04/17/88	0.1200	1.2000	0.0200	2.7000	0.0700	2.4000
04/18/88	0.2700	4.2000	0.1300	5.8000	0.1800	6.5000
04/19/88	0.3800	4.9000	0.1500	8.0000	0.2000	8.3000
04/20/88	0.3700	3.9000	0.1100	7.2000	0.1800	7.1000
04/21/88	0.3100	3.3000	0.0800	6.0000	0.1500	6.1000
04/22/88	0.2500	2.7000	0.0700	5.4000	0.1200	5.1000
04/23/88	0.2500	2.9000	0.0700	5.0000	0.1200	5.2000
04/24/88	0.1900	2.2000	0.0600	4.4000	0.0900	4.3000
04/25/88	0.1500	1.7000	0.0600	3.4000	0.0800	3.3000
04/26/88	0.1300	1.5000	0.0500	3.1000	0.0700	2.8000
04/27/88	0.1200	1.3000	0.0400	2.7000	0.0600	2.5000
04/28/88	0.0900	1.1000	0.0400	2.3000	0.0500	2.1000
04/29/88	0.0800	1.0000	0.0300	2.1000	0.0400	1.9000
04/30/88	0.0700	0.9000	0.0300	1.9000	0.0300	1.6000
05/01/88	0.0600	0.8300	0.0300	1.7000	0.0300	1.4000
05/02/88	0.0500	0.7800	0.0200	1.6000	0.0200	1.3000
05/03/88	0.0500	0.7600	0.0300	1.5000	0.0300	1.2000
05/04/88	0.0800	1.2000	0.0500	1.9000	0.0500	1.9000
05/05/88	0.0600	0.9900	0.0400	2.1000	0.0400	1.9000
05/06/88	0.0400	0.7500	0.0300	1.6000	0.0300	1.3000
05/07/88	0.0400	0.6700	0.0200	1.4000	0.0200	1.2000
05/08/88	0.0300	0.5900	0.0200	1.2000	0.0200	1.0000
05/09/88	0.0600	0.8700	0.0400	1.7000	0.0400	1.5000
05/10/88	0.0700	2.4000	0.0400	3.5000	0.0400	3.2000
05/11/88	0.0500	1.4000	0.0300	2.5000	0.0300	2.4000
05/12/88	0.0300	0.8200	0.0200	2.1000	0.0200	1.4000
05/13/88	0.0200	0.6800	0.0100	1.8000	0.0100	1.1000
05/14/88	0.0100	0.6000	0.0100	1.3000	0.0100	0.9700
05/15/88	0.0200	0.5600	0.0200	1.0000	0.0200	0.9300
05/16/88	0.0000	0.5100	0.0100	0.9000	0.0100	0.8800
05/17/88	0.0200	0.4800	0.0100	0.8500	0.0100	0.8000
05/18/88	0.0200	0.4200	0.0100	0.8000	0.0100	0.7300

Table 3.10 (continued)

Date	GS10	GS9	GS11	GS7	GS12	GS8
05/19/88	0.0100	0.3900	0.0100	0.7500	0.0100	0.6700
05/20/88	0.0100	0.3600	0.0100	0.7000	0.0000	0.6300
05/21/88	0.0100	0.3100	0.0100	0.7000	0.0000	0.5700
05/22/88	0.0100	0.3000	0.0000	0.6300	0.0000	0.5400
05/23/88	0.0100	0.2900	0.0000	0.6300	0.0000	0.5400
05/24/88	0.0300	0.4500	0.0300	0.8500	0.0200	0.7500
05/25/88	0.0300	0.6700	0.0200	1.3000	0.0200	1.1000
05/26/88	0.0200	0.4000	0.0000	0.9400	0.0000	0.7400
05/27/88	0.0100	0.3200	0.0000	0.7300	0.0000	0.6200
05/28/88	0.0100	0.2800	0.0000	0.6700	0.0000	0.5400
05/29/88	0.0100	0.2500	0.0000	0.6200	0.0000	0.5200
05/30/88	0.0100	0.2200	0.0000	0.5600	0.0000	0.4800
05/31/88	0.0000	0.2000	0.0000	0.4800	0.0000	0.4300
06/01/88	0.0000	0.2100	0.0000	0.4800	0.0000	0.4200
06/02/88	0.0000	0.1700	0.0000	0.4600	0.0000	0.4000
06/03/88	0.0000	0.1600	0.0000	0.4200	0.0000	0.3900
06/04/88	0.0000	0.1500	0.0000	0.4100	0.0000	0.3800
06/05/88	0.0000	0.1400	0.0000	0.3800	0.0000	0.3800
06/06/88	0.0000	0.1500	0.0000	0.3800	0.0000	0.3700
06/07/88	0.0000	0.1400	0.0000	0.3800	0.0000	0.3600
06/08/88	0.0000	0.1300	0.0000	0.3600	0.0000	0.3600
06/09/88	0.0000	0.1600	0.0000	0.3600	0.0000	0.3700
06/10/88	0.0000	0.1600	0.0000	0.4100	0.0000	0.3900
06/11/88	0.0000	0.1400	0.0000	0.4100	0.0000	0.3600
06/12/88	0.0000	0.1200	0.0000	0.3800	0.0000	0.3400
06/13/88	0.0000	0.1200	0.0000	0.4200	0.0000	0.3400
06/14/88	0.0000	0.1100	0.0000	0.4200	0.0000	0.3300
06/15/88	0.0000	0.1100	0.0000	0.3400	0.0000	0.3300
06/16/88	0.0000	0.1000	0.0000	0.3000	0.0000	0.3200
06/17/88	0.0000	0.1100	0.0000	0.2800	0.0000	0.3200
06/18/88	0.0000	0.1000	0.0000	0.2600	0.0000	0.3100
06/19/88	0.0000	0.1000	0.0000	0.2600	0.0000	0.3100
06/20/88	0.0000	0.0900	0.0000	0.2600	0.0000	0.3100
06/21/88	0.0100	0.0900	0.0000	0.2600	0.0000	0.3100
06/22/88	0.0000	0.0800	0.0000	0.2400	0.0000	0.3000
06/23/88	0.0000	0.0700	0.0000	0.2100	0.0000	0.3000
06/24/88	0.0000	0.0700	0.0000	0.2000	0.0000	0.2900
06/25/88	0.0000	0.1200	0.0000	0.2300	0.0000	0.3200
06/26/88	0.0000	0.1300	0.0000	0.2500	0.0000	0.3100
06/27/88	0.0000	0.0900	0.0000	0.2200	0.0000	0.3100
06/28/88	0.0000	0.0700	0.0000	0.2200	0.0000	0.3100
06/29/88	0.0000	0.0600	0.0000	0.2200	0.0000	0.3000
06/30/88	0.0000	0.0700	0.0000	0.2000	0.0000	0.3000
07/01/88	0.0000	0.0900	0.0000	0.2000	0.0000	0.3000
07/02/88	0.0000	0.0700	0.0000	0.2200	0.0000	0.3000
07/03/88	0.0000	0.1100	0.0000	0.2200	0.0000	0.3200
07/04/88	0.0000	0.0900	0.0000	0.2400	0.0000	0.3200

Table 3.10 (continued)

Date	GS10	GS9	GS11	GS7	GS12	GS8
07/05/88	0.0000	0.0800	0.0000	0.2600	0.0000	0.3100
07/06/88	0.0000	0.0700	0.0000	0.2600	0.0000	0.3000
07/07/88	0.0000	0.0500	0.0000	0.2500	0.0000	0.3000
07/08/88	0.0000	0.0300	0.0000	0.2100	0.0000	0.2900
07/09/88	0.0000	0.0300	0.0000	0.2000	0.0000	0.3000
07/10/88	0.0000	0.0200	0.0000	0.2000	0.0000	0.3200
07/11/88	0.0000	0.0200	0.0000	0.2000	0.0000	0.3100
07/12/88	0.0200	5.4000	0.0200	6.1000	0.0000	5.5000
07/13/88	0.1300	7.6000	0.0800	9.0000	0.0600	8.0000
07/14/88	0.0200	2.2000	0.0100	4.8000	0.0100	4.0000
07/15/88	0.0000	0.6100	0.0000	1.3000	0.0000	1.0000
07/16/88	0.0000	0.4000	0.0000	0.7800	0.0000	0.6000
07/17/88	0.0000	0.3900	0.0000	0.6800	0.0000	0.4900
07/18/88	0.0000	0.2800	0.0000	0.5800	0.0000	0.4400
07/19/88	0.0000	0.2100	0.0000	0.4700	0.0000	0.3800
07/20/88	0.0000	0.1600	0.0000	0.4100	0.0000	0.3400
07/21/88	0.0100	3.0000	0.0400	3.7000	0.0300	3.5000
07/22/88	0.0000	1.1000	0.0100	2.4000	0.0100	2.0000
07/23/88	0.0000	0.6000	0.0100	1.2000	0.0000	0.9100
07/24/88	0.0000	0.4200	0.0000	0.8400	0.0000	0.6300
07/25/88	0.0000	0.3400	0.0000	0.6400	0.0000	0.4900
07/26/88	0.0000	0.4000	0.0100	0.6600	0.0200	0.6000
07/27/88	0.0000	0.4700	0.0100	1.2000	0.0100	0.9300
07/28/88	0.0000	0.3100	0.0000	0.7400	0.0000	0.5500
07/29/88	0.0000	0.2500	0.0000	0.5500	0.0000	0.4500
07/30/88	0.0000	0.1900	0.0000	0.4700	0.0000	0.4000
07/31/88	0.0000	0.1700	0.0000	0.4000	0.0000	0.3600
08/01/88	0.0000	0.1400	0.0000	0.3400	0.0000	0.3500
08/02/88	0.0000	0.1300	0.0000	0.3300	0.0000	0.3400
08/03/88	0.0000	0.1100	0.0000	0.3000	0.0000	0.3200
08/04/88	0.0000	0.1600	0.0000	0.3000	0.0000	0.3400
08/05/88	0.0000	0.1500	0.0000	0.3000	0.0000	0.3500
08/06/88	0.0000	0.1200	0.0000	0.3000	0.0000	0.3600
08/07/88	0.0000	0.1200	0.0000	0.3000	0.0000	0.3500
08/08/88	0.0000	0.1400	0.0000	0.2800	0.0000	0.3300
08/09/88	0.0000	0.1600	0.0000	0.2600	0.0000	0.3100
08/10/88	0.0000	0.1600	0.0000	0.2500	0.0000	0.3000
08/11/88	0.0000	0.1600	0.0000	0.2300	0.0000	0.3100
08/12/88	0.0000	0.1400	0.0000	0.3100	0.0000	0.3400
08/13/88	0.0000	0.0800	0.0000	0.2600	0.0000	0.3000
08/14/88	0.0000	0.0800	0.0000	0.2500	0.0000	0.2900
08/15/88	0.0000	0.0800	0.0000	0.2200	0.0000	0.2900
08/16/88	0.0000	0.0800	0.0000	0.2200	0.0000	0.2800
08/17/88	0.0000	0.0800	0.0000	0.2100	0.0000	0.2800
08/18/88	0.0000	0.0800	0.0000	0.2000	0.0000	0.2700
08/19/88	0.0000	0.0800	0.0000	0.2400	0.0000	0.2700
08/20/88	0.0100	2.2000	0.0100	2.7000	0.0100	2.4000

Table 3.10 (continued)

Date	GS10	GS9	GS11	GS7	GS12	GS8
08/21/88	0.0000	0.3500	0.0000	0.8200	0.0000	0.6500
08/22/88	0.0000	0.2200	0.0000	0.4700	0.0000	0.4000
08/23/88	0.0000	0.1500	0.0000	0.3500	0.0000	0.3500
08/24/88	0.0000	0.1500	0.0000	0.3400	0.0000	0.3400
08/25/88	0.0000	0.1100	0.0000	0.3200	0.0000	0.3100
08/26/88	0.0000	0.0900	0.0000	0.3000	0.0000	0.3000
08/27/88	0.0000	0.0700	0.0000	0.2800	0.0000	0.2900
08/28/88	0.0000	0.0600	0.0000	0.2600	0.0000	0.2800
08/29/88	0.0000	0.0600	0.0000	0.2600	0.0000	0.2800
08/30/88	0.0000	0.0600	0.0000	0.2600	0.0000	0.2800
08/31/88	0.0000	0.0500	0.0000	0.2200	0.0000	0.2700
09/01/88	0.0000	0.0400	0.0000	0.2100	0.0000	0.2700
09/02/88	0.0000	0.0300	0.0000	0.2000	0.0000	0.2600
09/03/88	0.0000	0.1100	0.0000	0.2200	0.0000	0.2900
09/04/88	0.1100	18.0000	0.2400	19.0000	0.1800	26.0000
09/05/88	0.0000	1.2000	0.0100	3.1000	0.0100	2.7000
09/06/88	0.0000	0.7100	0.0000	1.6000	0.0000	1.2000
09/07/88	0.0000	0.5000	0.0000	1.1000	0.0000	0.7900
09/08/88	0.0000	0.3500	0.0000	0.8200	0.0000	0.5700
09/09/88	0.0000	0.2800	0.0000	0.6600	0.0000	0.4500
09/10/88	0.0000	0.2100	0.0000	0.5500	0.0000	0.4200
09/11/88	0.0000	0.1900	0.0000	0.5000	0.0000	0.4100
09/12/88	0.0000	0.1900	0.0000	0.4600	0.0000	0.4000
09/13/88	0.0000	0.1700	0.0000	0.4600	0.0000	0.4000
09/14/88	0.0000	0.1500	0.0000	0.4600	0.0000	0.3800
09/15/88	0.0000	0.1200	0.0000	0.4200	0.0000	0.3600
09/16/88	0.0000	0.0800	0.0000	0.4300	0.0000	0.3600
09/17/88	0.0800	3.7000	0.0300	4.9000	0.0400	4.5000
09/18/88	0.0200	1.0000	0.0000	2.3000	0.0100	1.9000
09/19/88	0.0100	0.5700	0.0000	1.2000	0.0000	0.8400
09/20/88	0.0000	0.4700	0.0000	0.8500	0.0000	0.6700
09/21/88	0.0000	0.3500	0.0000	0.6600	0.0000	0.5300
09/22/88	0.0000	0.3100	0.0000	0.5500	0.0000	0.4600
09/23/88	0.0000	0.2700	0.0000	0.5200	0.0000	0.4500
09/24/88	0.0000	0.2300	0.0000	0.4900	0.0000	0.4300
09/25/88	0.0000	0.2500	0.0000	0.5300	0.0000	0.4700
09/26/88	0.0000	0.1700	0.0000	0.3800	0.0000	0.4300
09/27/88	0.0000	0.1600	0.0000	0.3300	0.0000	0.3900
09/28/88	0.0000	0.2000	0.0000	0.3400	0.0000	0.3900
09/29/88	0.0000	0.2000	0.0000	0.3700	0.0000	0.4000
09/30/88	0.0000	0.1700	0.0000	0.3500	0.0000	0.3800
10/01/88	0.0000	0.1500	0.0000	0.3400	0.0000	0.3600
10/02/88	0.0000	0.5300	0.0000	0.7900	0.0000	0.7900
10/03/88	0.0000	0.2800	0.0000	0.6400	0.0000	0.5800
10/04/88	0.0000	0.2100	0.0000	0.5400	0.0000	0.4500
10/05/88	0.0000	0.2000	0.0000	0.5000	0.0000	0.4400
10/06/88	0.0000	0.2100	0.0000	0.5000	0.0000	0.4300

Table 3.10 (continued)

Date	GS10	GS9	GS11	GS7	GS12	GS8
10/07/88	0.0000	0.1800	0.0000	0.4300	0.0000	0.4100
10/08/88	0.0000	0.1700	0.0000	0.4200	0.0000	0.4000
10/09/88	0.0000	0.1400	0.0000	0.4200	0.0000	0.3800
10/10/88	0.0000	0.1400	0.0000	0.3800	0.0000	0.3800
10/11/88	0.0000	0.1600	0.0000	0.3800	0.0000	0.3700
10/12/88	0.0000	0.1500	0.0000	0.3800	0.0000	0.3600
10/13/88	0.0000	0.1300	0.0000	0.3800	0.0000	0.3700
10/14/88	0.0000	0.1300	0.0000	0.3800	0.0000	0.3800
10/15/88	0.0000	0.1400	0.0000	0.3800	0.0000	0.3700
10/16/88	0.0000	0.1400	0.0000	0.3800	0.0000	0.3700
10/17/88	0.0000	0.1600	0.0000	0.4400	0.0000	0.3800
10/18/88	0.0000	0.1400	0.0000	0.5000	0.0000	0.3800
10/19/88	0.0000	0.1600	0.0000	0.5000	0.0000	0.3800
10/20/88	0.0000	0.2000	0.0000	0.5000	0.0000	0.4000
10/21/88	0.0000	0.3400	0.0100	0.7300	0.0000	0.5900
10/22/88	0.0000	0.2500	0.0000	0.7200	0.0000	0.5300
10/23/88	0.0000	0.2000	0.0000	0.6100	0.0000	0.4900
10/24/88	0.0000	0.2200	0.0000	0.5900	0.0000	0.5600
10/25/88	0.0000	0.2300	0.0000	0.5900	0.0000	0.5700
10/26/88	0.0000	0.2500	0.0000	0.6300	0.0100	0.6300
10/27/88	0.0000	0.2100	0.0000	0.6400	0.0100	0.6300
10/28/88	0.0000	0.3000	0.0100	0.6900	0.0300	0.7400
10/29/88	0.0000	0.3300	0.0000	0.7900	0.0200	0.8000
10/30/88	0.0000	0.2900	0.0000	0.7900	0.0100	0.7900
10/31/88	0.0000	0.2800	0.0000	0.7900	0.0200	0.7700
11/01/88	0.0000	0.2900	0.0000	0.7900	0.0300	0.7700
11/02/88	0.0000	0.2300	0.0000	0.7300	0.0200	0.7100
11/03/88	0.0000	0.2200	0.0000	0.6800	0.0200	0.6800
11/04/88	0.0000	2.1000	0.0400	2.0000	0.0700	2.0000
11/05/88	0.0000	15.0000	0.4000	22.0000	0.2500	23.0000
11/06/88	0.0000	4.4000	0.1300	8.1000	0.1000	8.3000
11/07/88	0.0000	2.0000	0.0600	4.3000	0.0400	4.2000
11/08/88	0.0700	1.2000	0.0400	2.8000	0.0300	2.4000
11/09/88	0.0400	0.9400	0.0300	2.0000	0.0300	1.8000
11/10/88	0.0800	1.1000	0.0400	1.8000	0.0400	1.6000
11/11/88	0.0800	1.1000	0.0300	2.2000	0.0400	2.0000
11/12/88	0.0700	0.7900	0.0200	1.7000	0.0300	1.3000
11/13/88	0.0600	0.7700	0.0200	1.5000	0.0400	1.2000
11/14/88	0.0300	0.7000	0.0200	1.3000	0.0300	1.1000
11/15/88	0.0200	0.6800	0.0100	1.3000	0.0300	1.0000
11/16/88	0.0300	0.9400	0.0400	1.2000	0.0500	1.1000
11/17/88	0.0500	2.4000	0.0500	3.8000	0.0600	3.6000
11/18/88	0.0300	1.1000	0.0200	2.2000	0.0300	2.0000
11/19/88	0.2400	5.7000	0.1600	6.9000	0.1100	6.7000
11/20/88	1.2000	15.0000	0.4600	23.0000	0.3700	25.0000
11/21/88	0.4900	4.7000	0.1800	9.2000	0.1300	9.8000
11/22/88	0.2700	2.7000	0.0900	5.7000	0.0800	5.6000

Table 3.10 (continued)

Date	GS10	GS9	GS11	GS7	GS12	GS8
11/23/88	0.1600	1.9000	0.0600	4.1000	0.0600	4.2000
11/24/88	0.1200	1.4000	0.0500	3.1000	0.0500	2.9000
11/25/88	0.1000	1.1000	0.0300	2.4000	0.0400	2.2000
11/26/88	0.0900	1.0000	0.0300	2.1000	0.0300	1.9000
11/27/88	0.6700	8.6000	0.4100	11.0000	0.2100	12.0000
11/28/88	0.8700	7.8000	0.3700	12.0000	0.2600	14.0000
11/29/88	0.4800	3.7000	0.1500	6.8000	0.1500	7.4000
11/30/88	0.3200	2.8000	0.1100	5.5000	0.1100	5.4000
12/01/88	0.2100	2.1000	0.0800	4.3000	0.0900	4.4000
12/02/88	0.1400	1.5000	0.0500	3.2000	0.0700	3.2000
12/03/88	0.1200	1.3000	0.0400	2.6000	0.0600	2.5000
12/04/88	0.1100	1.1000	0.0300	2.3000	0.0400	2.2000
12/05/88	0.0800	0.9400	0.0200	2.0000	0.0400	1.8000
12/06/88	0.0600	0.9100	0.0200	1.8000	0.0300	1.6000
12/07/88	0.0500	0.8800	0.0200	1.7000	0.0300	1.5000
12/08/88	0.0400	0.7800	0.0200	1.6000	0.0300	1.3000
12/09/88	0.0600	1.1000	0.0300	1.7000	0.0400	1.6000
12/10/88	0.0600	1.2000	0.0300	2.2000	0.0400	2.0000
12/11/88	0.0500	0.9400	0.0200	1.8000	0.0400	1.5000
12/12/88	0.0400	0.8300	0.0100	1.6000	0.0300	1.3000
12/13/88	0.0400	0.8400	0.0100	1.6000	0.0300	1.3000
12/14/88	0.0400	0.7800	0.0000	1.5000	0.0300	1.2000
12/15/88	0.0400	0.7700	0.0000	1.4000	0.0300	1.1000
12/16/88	0.0300	0.7500	0.0000	1.2000	0.0300	1.1000
12/17/88	0.0300	0.7200	0.0000	1.2000	0.0300	1.0000
12/18/88	0.0300	0.7100	0.0000	1.1000	0.0200	0.9800
12/19/88	0.0300	0.6900	0.0000	1.1000	0.0300	0.9700
12/20/88	0.0300	0.5900	0.0100	1.1000	0.0200	0.9600
12/21/88	0.1100	2.5000	0.0900	3.0000	0.0800	3.1000
12/22/88	0.1500	2.1000	0.0800	4.2000	0.0900	4.3000
12/23/88	0.3000	4.0000	0.2100	6.1000	0.1500	6.8000
12/24/88	0.9600	12.0000	0.5200	16.0000	0.3600	17.0000
12/25/88	0.9500	7.4000	0.3900	14.0000	0.3600	15.0000
12/26/88	0.4700	4.0000	0.2000	8.2000	0.2000	8.6000
12/27/88	0.3100	3.0000	0.1500	6.2000	0.1400	6.4000
12/28/88	0.3100	3.8000	0.1900	6.8000	0.1600	7.1000
12/29/88	0.2500	2.7000	0.1400	5.6000	0.1300	5.7000
12/30/88	0.3700	5.3000	0.2600	7.6000	0.2000	6.8000
12/31/88	2.7000	36.0000	1.8000	39.0000	1.2000	54.0000

Comments: A value of "0.0000" indicates that either no flow was recorded on this date or an actual value is missing for this date.

Table 3.11. Surface water discharge summary
Average daily flows in cfs
Bear Creek site, January-September 1989
(six collection points)

Date	GS10	GS11	GS12	GS7	GS8	GS9
01/01/89	1.5000	1.6000	1.2000	59.0000	77.0000	33.0000
01/02/89	0.2900	0.5000	0.4400	24.0000	19.0000	9.5000
01/03/89	0.2500	0.2800	0.2900	18.0000	14.0000	6.6000
01/04/89	0.2400	0.1700	0.1900	13.0000	9.5000	4.4000
01/05/89	0.1800	0.1400	0.1500	10.0000	7.5000	3.5000
01/06/89	0.7000	0.5400	0.4700	23.0000	18.0000	12.0000
01/07/89	0.2700	0.2900	0.3400	16.0000	13.0000	6.4000
01/08/89	1.9000	1.5000	1.1000	52.0000	57.0000	35.0000
01/09/89	0.9200	0.5300	0.5100	27.0000	21.0000	11.0000
01/10/89	0.4600	0.2100	0.3200	19.0000	15.0000	7.0000
01/11/89	0.8200	0.4100	0.4600	22.0000	22.0000	14.0000
01/12/89	17.0000	6.0000	4.8000	135.0000	284.0000	131.0000
01/13/89	4.9000	2.0000	1.8000	72.0000	97.0000	49.0000
01/14/89	2.2000	1.1000	0.9300	42.0000	46.0000	26.0000
01/15/89	3.0000	1.3000	1.2000	51.0000	59.0000	32.0000
01/16/89	1.3000	0.4700	0.5300	27.0000	26.0000	14.0000
01/17/89	0.7500	0.3700	0.3400	18.0000	18.0000	9.0000
01/18/89	0.5000	0.1800	0.2400	13.0000	14.0000	6.5000
01/19/89	0.3600	0.0600	0.1800	10.0000	11.0000	5.1000
01/20/89	0.2800	0.0200	0.1400	8.6000	8.8000	4.2000
01/21/89	0.2100	0.0100	0.1200	7.0000	7.2000	3.5000
01/22/89	0.1500	0.0100	0.1000	6.0000	6.2000	2.9000
01/23/89	0.1300	0.0000	0.0900	5.6000	5.5000	2.6000
01/24/89	0.1000	0.0100	0.0800	5.2000	4.8000	2.3000
01/25/89	0.1000	0.0200	0.0700	4.5000	4.5000	2.1000
01/26/89	0.1000	0.0700	0.0700	4.0000	4.1000	2.1000
01/27/89	0.1000	0.0300	0.0600	3.8000	3.8000	1.7000
01/28/89	0.0900	0.0000	0.0500	3.4000	3.3000	1.5000
01/29/89	0.0800	0.0000	0.0500	3.2000	2.9000	1.4000
01/30/89	0.1600	0.0000	0.1000	6.2000	6.4000	3.9000
01/31/89	0.1400	0.0100	0.0800	5.2000	4.9000	2.5000
02/01/89	0.1400	0.0200	0.0800	4.4000	4.2000	2.1000
02/02/89	0.1300	0.0200	0.0700	4.0000	4.0000	2.1000
02/03/89	0.1300	0.0100	0.0700	3.7000	3.7000	1.9000
02/04/89	0.1300	0.0100	0.0700	3.6000	3.5000	1.7000
02/05/89	0.2800	0.0200	0.1500	7.2000	8.0000	4.9000
02/06/89	0.8700	0.1500	0.3600	16.0000	17.0000	10.0000
02/07/89	1.2000	0.0900	0.4400	19.0000	19.0000	11.0000
02/08/89	0.7900	0.0200	0.3100	14.0000	14.0000	6.9000
02/09/89	0.5100	0.0000	0.2100	11.0000	11.0000	5.0000
02/10/89	0.4000	0.0000	0.1700	8.7000	8.7000	4.3000
02/11/89	0.3300	0.0000	0.1500	8.0000	7.8000	3.8000
02/12/89	0.2700	0.0000	0.1300	6.9000	6.7000	3.2000
02/13/89	0.2300	0.0000	0.1100	6.2000	5.9000	3.0000

Table 3.11 (continued)

Date	GS10	GS11	GS12	GS7	GS8	GS9
02/14/89	0.2600	0.0500	0.1300	5.9000	6.0000	3.2000
02/15/89	0.3500	0.0400	0.1600	8.2000	8.5000	4.3000
02/16/89	0.3300	0.0600	0.1500	6.4000	6.8000	3.4000
02/17/89	1.4000	0.6300	0.5700	20.0000	24.0000	16.0000
02/18/89	3.5000	1.5000	1.4000	48.0000	53.0000	30.0000
02/19/89	1.6000	0.6700	0.6000	28.0000	26.0000	15.0000
02/20/89	1.3000	0.5500	0.5000	24.0000	24.0000	14.0000
02/21/89	5.0000	2.1000	1.9000	65.0000	90.0000	48.0000
02/22/89	1.7000	0.4100	0.6600	31.0000	31.0000	17.0000
02/23/89	0.9000	0.0200	0.3900	20.0000	20.0000	9.9000
02/24/89	0.5800	0.0000	0.2600	14.0000	15.0000	6.8000
02/25/89	0.4400	0.0000	0.2000	11.0000	12.0000	5.3000
02/26/89	0.3700	0.0000	0.1700	9.8000	10.0000	4.7000
02/27/89	0.4400	0.0000	0.2200	10.0000	12.0000	6.1000
02/28/89	0.8200	0.0200	0.4000	17.0000	18.0000	10.0000
03/01/89	1.0000	0.0200	0.4200	16.0000	17.0000	8.5000
03/02/89	0.7800	0.0000	0.3100	13.0000	14.0000	6.6000
03/03/89	0.5700	0.0000	0.2300	11.0000	12.0000	5.6000
03/04/89	0.4600	0.0000	0.1900	9.6000	10.0000	4.8000
03/05/89	4.2000	1.4000	1.5000	36.0000	54.0000	33.0000
03/06/89	7.6000	2.7000	2.7000	81.0000	137.0000	62.0000
03/07/89	1.6000	0.5900	0.6200	29.0000	30.0000	16.0000
03/08/89	0.8800	0.3300	0.3800	19.0000	19.0000	9.5000
03/09/89	0.5900	0.2200	0.2600	14.0000	15.0000	7.0000
03/10/89	0.4400	0.1600	0.2000	11.0000	12.0000	5.4000
03/11/89	0.3500	0.0900	0.1600	9.6000	10.0000	4.6000
03/12/89	0.2800	0.0500	0.1400	8.3000	8.7000	4.0000
03/13/89	0.2500	0.0700	0.1200	7.4000	7.7000	3.5000
03/14/89	0.2100	0.0900	0.1100	6.7000	6.9000	3.2000
03/15/89	0.1600	0.0700	0.0900	6.0000	6.1000	2.8000
03/16/89	0.1200	0.0700	0.0800	5.3000	5.2000	2.4000
03/17/89	0.1300	0.0800	0.0700	4.9000	4.7000	2.1000
03/18/89	0.1800	0.1200	0.1000	5.2000	5.6000	2.8000
03/19/89	0.1500	0.0900	0.0700	5.0000	4.9000	2.3000
03/20/89	0.1900	0.1300	0.1000	5.2000	5.8000	3.0000
03/21/89	0.6500	0.5300	0.2900	19.0000	20.0000	13.0000
03/22/89	0.6000	0.3700	0.2200	12.0000	14.0000	6.7000
03/23/89	0.7000	0.4200	0.2800	13.0000	15.0000	8.1000
03/24/89	0.7200	0.4400	0.3100	13.0000	15.0000	6.9000
03/25/89	0.6000	0.3200	0.2400	11.0000	13.0000	5.7000
03/26/89	0.4700	0.2300	0.1800	9.3000	10.0000	4.7000
03/27/89	0.3800	0.1800	0.1400	8.1000	8.8000	4.1000
03/28/89	0.3000	0.0000	0.1300	7.1000	7.6000	3.6000
03/29/89	0.2600	0.1400	0.1100	6.5000	6.8000	3.3000
03/30/89	0.8000	0.5500	0.3300	24.0000	28.0000	21.0000
03/31/89	1.8000	0.8700	0.5600	31.0000	33.0000	22.0000

Table 3.11 (continued)

Date	GS10	GS11	GS12	GS7	GS8	GS9
04/01/89	1.1000	0.5300	0.3800	19.0000	20.0000	11.0000
04/02/89	0.7200	0.3500	0.2500	14.0000	15.0000	7.7000
04/03/89	0.6400	0.3300	0.2300	12.0000	14.0000	6.8000
04/04/89	2.0000	1.0000	0.7400	30.0000	36.0000	23.0000
04/05/89	2.0000	0.8400	0.6500	27.0000	29.0000	15.0000
04/06/89	1.0000	0.4800	0.3700	18.0000	19.0000	9.4000
04/07/89	0.7600	0.3700	0.2800	14.0000	16.0000	7.4000
04/08/89	0.7600	0.4200	0.3000	15.0000	17.0000	8.9000
04/09/89	0.7000	0.3700	0.2600	13.0000	14.0000	6.3000
04/10/89	0.5800	0.2900	0.2000	10.0000	12.0000	5.1000
04/11/89	0.4700	0.2200	0.1700	9.1000	10.0000	4.5000
04/12/89	0.3900	0.1700	0.1400	8.0000	8.9000	3.8000
04/13/89	0.3200	0.1500	0.1300	7.1000	7.9000	3.3000
04/14/89	0.2700	0.1300	0.1100	6.4000	7.1000	3.2000
04/15/89	0.2900	0.1500	0.1300	6.6000	7.6000	3.9000
04/16/89	0.2300	0.1100	0.1000	5.8000	6.4000	3.1000
04/17/89	0.2000	0.1000	0.0800	5.4000	5.4000	2.9000
04/18/89	0.1800	0.0000	0.0700	4.9000	4.9000	2.6000
04/19/89	0.1600	0.0000	0.0600	4.3000	4.5000	3.9000
04/20/89	0.1400	0.0000	0.0600	3.8000	4.1000	2.8000
04/21/89	0.1300	0.0800	0.0500	3.6000	3.7000	1.7000
04/22/89	0.1300	0.0700	0.0500	3.5000	3.5000	1.6000
04/23/89	0.1300	0.0700	0.0500	3.4000	3.4000	1.6000
04/24/89	0.1200	0.0600	0.0500	3.3000	3.3000	1.5000
04/25/89	0.1000	0.0500	0.0400	3.1000	2.9000	1.3000
04/26/89	0.0600	0.0400	0.0400	2.8000	2.6000	1.2000
04/27/89	0.0700	0.0400	0.0300	2.6000	2.3000	1.1000
04/28/89	0.0700	0.0300	0.0300	2.5000	2.3000	1.1000
04/29/89	0.1000	0.0400	0.0500	2.7000	2.5000	1.3000
04/30/89	0.0800	0.0400	0.0400	2.6000	2.2000	1.1000
05/01/89	0.1400	0.1000	0.0800	4.9000	4.9000	3.0000
05/02/89	0.1100	0.0600	0.0500	3.4000	3.3000	1.6000
05/03/89	0.0900	0.0400	0.0400	2.7000	2.4000	1.1000
05/04/89	0.0900	0.0500	0.0400	2.5000	2.2000	1.2000
05/05/89	2.4000	1.3000	1.1000	32.0000	49.0000	30.0000
05/06/89	2.4000	1.0000	0.9000	28.0000	32.0000	17.0000
05/07/89	0.9000	0.4100	0.3500	14.0000	15.0000	7.0000
05/08/89	0.5200	0.2000	0.2000	9.9000	11.0000	4.7000
05/09/89	1.2000	0.6600	0.5600	21.0000	27.0000	16.0000
05/10/89	1.5000	0.6900	0.5600	20.0000	22.0000	11.0000
05/11/89	0.7800	0.3400	0.3100	13.0000	15.0000	6.8000
05/12/89	0.4700	0.1900	0.1900	10.0000	11.0000	5.1000
05/13/89	0.3200	0.1200	0.1400	7.8000	8.4000	3.8000
05/14/89	0.2300	0.0900	0.1100	6.5000	6.8000	3.1000
05/15/89	0.1700	0.0700	0.0900	5.7000	5.8000	2.7000
05/16/89	0.1300	0.0500	0.0700	5.0000	4.7000	2.0000

Table 3.11 (continued)

Date	GS10	GS11	GS12	GS7	GS8	GS9
05/17/89	0.0700	0.0500	0.0500	4.0000	4.0000	1.7000
05/18/89	0.0600	0.0300	0.0400	3.5000	3.4000	1.6000
05/19/89	0.0200	0.0300	0.0500	3.4000	3.3000	1.5000
05/20/89	0.3800	0.3700	0.2600	13.0000	15.0000	9.6000
05/21/89	0.2100	0.1300	0.1300	6.3000	6.7000	3.1000
05/22/89	0.1300	0.0700	0.0900	4.9000	4.7000	2.1000
05/23/89	0.1000	0.0500	0.0700	3.9000	4.1000	1.8000
05/24/89	0.0600	0.0300	0.0500	3.3000	3.2000	1.4000
05/25/89	0.0700	0.0300	0.0400	2.8000	2.7000	1.2000
05/26/89	0.2700	0.1800	0.1200	5.1000	5.6000	3.9000
05/27/89	1.3000	0.7700	0.5200	26.0000	33.0000	20.0000
05/28/89	0.5900	0.2800	0.2300	9.6000	11.0000	5.0000
05/29/89	0.3400	0.1300	0.1300	6.6000	7.0000	3.1000
05/30/89	0.2200	0.0800	0.0900	5.2000	5.2000	2.3000
05/31/89	0.1500	0.0500	0.0700	4.0000	4.0000	1.8000
06/01/89	0.1200	0.0300	0.0500	3.3000	3.2000	1.5000
06/02/89	0.1200	0.0200	0.0400	3.2000	3.0000	1.5000
06/03/89	0.1100	0.0200	0.0400	2.9000	2.7000	1.3000
06/04/89	0.1300	0.0400	0.0500	3.0000	2.9000	2.0000
06/05/89	0.3000	0.1400	0.0900	7.0000	7.3000	5.8000
06/06/89	0.5800	0.3100	0.2000	15.0000	16.0000	9.9000
06/07/89	0.5100	0.2500	0.1600	9.0000	10.0000	5.3000
06/08/89	0.5200	0.2700	0.1800	8.9000	10.0000	6.2000
06/09/89	5.7000	2.4000	2.0000	61.0000	96.0000	54.0000
06/10/89	1.5000	0.7600	0.5600	23.0000	26.0000	13.0000
06/11/89	0.6100	0.5900	0.2500	13.0000	15.0000	6.8000
06/12/89	0.9700	0.7400	0.4000	17.0000	21.0000	12.0000
06/13/89	2.0000	1.1000	0.8700	32.0000	39.0000	21.0000
06/14/89	1.0000	0.6600	0.4300	17.0000	19.0000	9.6000
06/15/89	4.0000	1.9000	1.8000	51.0000	80.0000	42.0000
06/16/89	5.1000	2.3000	2.1000	65.0000	109.0000	53.0000
06/17/89	1.8000	0.9700	0.8300	36.0000	44.0000	22.0000
06/18/89	0.6000	0.6300	0.3700	20.0000	22.0000	11.0000
06/19/89	0.3100	0.5900	0.2600	14.0000	17.0000	7.5000
06/20/89	2.9000	1.6000	1.7000	47.0000	77.0000	37.0000
06/21/89	1.7000	0.9400	0.8700	29.0000	37.0000	17.0000
06/22/89	1.0000	0.7400	0.5800	21.0000	27.0000	12.0000
06/23/89	0.6600	0.6400	0.4200	16.0000	20.0000	8.1000
06/24/89	0.3900	0.6000	0.2500	12.0000	15.0000	5.9000
06/25/89	0.2200	0.5500	0.1600	9.7000	12.0000	4.8000
06/26/89	0.1700	0.5000	0.1100	7.7000	8.9000	3.5000
06/27/89	0.1100	0.4300	0.0900	6.4000	7.3000	3.0000
06/28/89	0.1400	0.2400	0.0900	9.1000	10.0000	5.8000
06/29/89	0.1500	0.0900	0.0700	7.0000	7.9000	3.5000
06/30/89	0.1200	0.0600	0.0400	5.3000	5.4000	2.2000
07/01/89	0.1200	0.0600	0.0500	4.7000	4.9000	2.1000

Table 3.11 (continued)

Date	GS10	GS11	GS12	GS7	GS8	GS9
07/02/89	0.1300	0.0800	0.0600	4.8000	5.3000	2.4000
07/03/89	0.3400	0.3200	0.2200	13.0000	15.0000	9.1000
07/04/89	0.2600	0.1800	0.1600	9.9000	12.0000	5.5000
07/05/89	0.1700	0.1000	0.1000	7.4000	8.7000	4.1000
07/06/89	0.6000	0.5100	0.3800	21.0000	25.0000	15.0000
07/07/89	0.5500	0.3800	0.3100	20.0000	22.0000	12.0000
07/08/89	0.3500	0.2200	0.1800	13.0000	15.0000	6.8000
07/09/89	0.2300	0.1200	0.1100	9.1000	11.0000	4.7000
07/10/89	0.1600	0.0900	0.0700	7.0000	7.8000	3.4000
07/11/89	0.1300	0.0700	0.0600	6.3000	6.8000	3.3000
07/12/89	0.1200	0.0700	0.0600	5.8000	6.3000	3.0000
07/13/89	0.1000	0.0700	0.0600	5.7000	6.2000	3.0000
07/14/89	0.0900	0.0500	0.0400	4.9000	5.1000	2.4000
07/15/89	0.0900	0.0400	0.0200	3.6000	3.8000	1.6000
07/16/89	0.0900	0.0500	0.0300	3.2000	3.5000	1.6000
07/17/89	0.0800	0.0400	0.0200	3.2000	3.5000	1.5000
07/18/89	0.0600	0.0300	0.0200	2.7000	2.8000	1.1000
07/19/89	0.0900	0.0600	0.0400	3.4000	3.8000	1.9000
07/20/89	0.0800	0.0500	0.0200	3.4000	3.2000	1.4000
07/21/89	0.0800	0.0500	0.0200	3.4000	3.0000	1.4000
07/22/89	0.0600	0.0400	0.0200	3.3000	2.8000	1.2000
07/23/89	0.0500	0.0300	0.0100	2.8000	2.4000	1.0000
07/24/89	0.0400	0.0300	0.0100	2.8000	2.3000	0.9800
07/25/89	0.0400	0.0200	0.0000	2.4000	1.7000	0.7700
07/26/89	0.0300	0.0200	0.0000	2.1000	1.4000	0.6900
07/27/89	0.0200	0.0200	0.0000	1.9000	1.3000	0.6400
07/28/89	0.0300	0.0000	0.0000	0.0000	1.2000	0.7600
07/29/89	0.0400	0.0000	0.0000	0.0000	2.3000	1.1000
07/30/89	0.0300	0.0000	0.0000	0.0000	2.1000	1.5000
07/31/89	0.0300	0.0000	0.0000	0.0000	2.0000	0.9700
08/01/89	0.4200	0.0000	0.1600	0.0000	23.0000	25.0000
08/02/89	0.2200	0.0000	0.0800	0.0000	18.0000	7.0000
08/03/89	0.1200	0.0000	0.0300	0.0000	5.9000	2.9000
08/04/89	0.0900	0.0000	0.0100	0.0000	4.0000	1.8000
08/05/89	0.0600	0.0000	0.0100	0.0000	2.8000	1.3000
08/06/89	0.0600	0.0000	0.0200	0.0000	2.2000	1.1000
08/07/89	0.0400	0.0000	0.0200	0.0000	2.1000	0.9700
08/08/89	0.0300	0.0000	0.0000	0.0000	1.7000	0.8100
08/09/89	0.0300	0.0000	0.0000	0.0000	1.4000	0.7200
08/10/89	0.0200	0.0000	0.0000	0.0000	1.2000	0.6300
08/11/89	0.0200	0.0000	0.0000	0.0000	1.2000	0.5600
08/12/89	0.0200	0.0000	0.0000	0.0000	1.1000	0.5300
08/13/89	0.0200	0.0000	0.0000	0.0000	1.0000	0.5000
08/14/89	0.0200	0.0000	0.0000	0.0000	0.9000	0.4600
08/15/89	0.0200	0.0000	0.0000	0.0000	0.8300	0.4700
08/16/89	0.0200	0.0000	0.0000	0.0000	0.8000	0.4300

Table 3.11 (continued)

Date	GS10	GS11	GS12	GS7	GS8	GS9
08/17/89	0.0300	0.0000	0.0000	0.0000	0.7600	0.6600
08/18/89	0.0200	0.0000	0.0000	0.0000	1.2000	0.6300
08/19/89	0.0100	0.0000	0.0000	0.0000	0.8900	0.5200
08/20/89	0.0100	0.0000	0.0000	0.0000	0.7900	0.4600
08/21/89	0.0100	0.0000	0.0000	0.0000	0.7400	0.3600
08/22/89	0.0100	0.0000	0.0000	0.0000	0.6500	0.3700
08/23/89	0.0600	0.0000	0.0100	0.0000	0.6400	5.6000
08/24/89	0.0700	0.0000	0.0200	0.0000	10.0000	5.0000
08/25/89	0.0300	0.0000	0.0100	0.0000	3.0000	1.1000
08/26/89	0.1700	0.0000	0.0300	0.0000	1.7000	9.9000
08/27/89	0.0800	0.0000	0.0200	0.0000	13.0000	2.6000
08/28/89	0.0500	0.0000	0.0000	0.0000	3.4000	1.3000
08/29/89	0.0300	0.0000	0.0000	0.0000	2.1000	0.9300
08/30/89	0.0300	0.0000	0.0000	0.0000	1.5000	0.8000
08/31/89	0.0300	0.0000	0.0000	0.0000	1.3000	0.7200
09/01/89	0.2000	0.0000	0.0000	0.0000	1.2000	3.5000
09/02/89	0.1500	0.0000	0.0000	0.0000	9.0000	2.4000
09/03/89	0.0800	0.0000	0.0000	0.0000	4.1000	1.2000
09/04/89	0.0500	0.0000	0.0000	0.0000	2.5000	0.8700
09/05/89	0.0400	0.0000	0.0000	0.0000	1.7000	0.6600
09/06/89	0.0300	0.0000	0.0000	0.0000	1.3000	0.5700
09/07/89	0.0300	0.0000	0.0000	0.0000	1.2000	0.5500
09/08/89	0.0200	0.0000	0.0000	0.0000	1.1000	0.4800
09/09/89	0.0200	0.0000	0.0000	0.0000	0.9800	0.4400
09/10/89	0.0200	0.0000	0.0000	0.0000	0.9100	0.4700
09/11/89	0.0300	0.0000	0.0000	0.0000	0.9400	0.6300
09/12/89	0.0100	0.0000	0.0000	0.0000	1.5000	0.6100
09/13/89	0.0100	0.0000	0.0000	0.0000	1.3000	0.4500
09/14/89	0.0200	0.0000	0.0000	0.0000	0.9800	0.6900
09/15/89	0.2500	0.0000	0.0000	0.0000	1.5000	27.0000
09/16/89	0.2300	0.0000	0.0000	0.0000	39.0000	10.0000
09/17/89	0.0800	0.0000	0.0000	0.0000	12.0000	3.0000
09/18/89	0.0400	0.0000	0.0000	0.0000	5.4000	1.9000
09/19/89	0.0300	0.0000	0.0000	0.0000	3.6000	1.4000
09/20/89	0.0100	0.0000	0.0000	0.0000	2.5000	1.0000
09/21/89	0.0100	0.0000	0.0000	0.0000	1.8000	0.8400
09/22/89	0.3300	0.0000	0.0000	0.0000	1.4000	14.0000
09/23/89	1.3000	0.0000	0.0000	0.0000	0.0000	34.0000
09/24/89	0.4300	0.0000	0.0000	0.0000	0.0000	7.9000
09/25/89	0.4100	0.0000	0.0000	0.0000	0.0000	8.0000
09/26/89	1.2000	0.6600	0.0000	0.0000	0.0000	19.0000
09/27/89	0.3700	0.2200	0.0000	0.0000	0.0000	6.1000
09/28/89	0.1900	0.1200	0.0000	0.0000	0.0000	4.0000
09/29/89	0.2800	0.2200	0.0000	0.0000	0.0000	6.2000
09/30/89	7.2000	2.4000	0.0000	0.0000	0.0000	58.0000

Comments: A value of "0.0000" indicates that either no flow was recorded on this date or an actual value is missing for this date. Data are missing for the following collection stations and dates: GS7--after 7/27; GS12--after 8/27; GS8--after 9/22.

Table 3.12. Surface water quality field data: Bear Creek selected sampling sites, FY89, quarters 1-4

Well ID	Date	Cond.	D.O.	pH	Temp.	Turb.
fl-272	03-08-89	0.05	5.60	6.40	6.70	48.00
fl-272	05-25-89	0.04	5.50	8.10	20.10	47.00
fl-272	08-28-89	0.05	6.90	7.70	22.70	76.00
fl-272	12-06-88	0.31	11.80	7.30	4.30	17.00
fl-273	03-08-89	0.09	5.80	7.10	8.00	66.00
fl-273	05-25-89	0.23	5.50	7.90	20.40	46.00
fl-273	08-28-89	0.31	7.50	8.10	20.40	101.00
fl-273	12-06-88	0.12	11.60	6.70	1.30	18.00
fl-672	03-09-89	0.09	5.70	7.20	8.30	49.00
fl-672	05-25-89	0.10	5.50	6.80	15.00	46.00
fl-672	08-28-89	0.12	6.90	7.50	23.10	101.00
fl-672	12-06-88	0.13	11.80	7.40	1.20	17.00
fl-673	03-09-89	0.17	5.20	7.30	9.80	15.00
fl-673	05-25-89	0.28	7.30	7.00	15.80	47.00
fl-673	08-28-89	0.39	7.80	8.20	21.50	102.00
fl-673	12-06-88	0.36	10.20	7.60	2.10	17.00
fl-677	03-08-89	0.05	4.90	7.00	7.50	62.00
fl-677	05-25-89	0.07	6.60	6.70	15.60	48.00
fl-677	08-28-89	0.17	8.10	8.10	21.50	93.00
fl-677	12-06-88	0.14	10.20	7.20	2.70	16.00

*Cond. = conductivity in ms/cm; D.O. = dissolved oxygen; Temp. = temperature in degress C; Turb. = turbidity in Jtu.

Table 3.13. Chemical analysis of surface water samples from Bear Creek site, FY89

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-272	12/06/88	AG	<	0.00500	MG/L	0.0000
fl-272	05/25/89	AG	<	0.00500	MG/L	0.0000
fl-272	12/06/88	AL		0.51000	MG/L	0.0000
fl-272	03/08/89	AL	<	0.05000	MG/L	0.0000
fl-272	05/25/89	AL		0.13000	MG/L	0.0000
fl-272	12/06/88	ALKALINITY		148.75000	MG CACO3/L	0.0000
fl-272	03/08/89	ALKALINITY		9.00000	MG CACO3/L	0.0000
fl-272	05/25/89	ALKALINITY		31.00000	MG CACO3/L	0.0000
fl-272	12/06/88	AS	<	0.01000	UG/ML	0.0000
fl-272	03/08/89	AS	<	0.01000	UG/ML	0.0000
fl-272	05/25/89	AS	<	0.01000	UG/ML	0.0000
fl-272	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-272	12/06/88	B		0.25000	MG/L	0.0000
fl-272	03/08/89	B	<	0.08000	MG/L	0.0000
fl-272	05/25/89	B	<	0.08000	MG/L	0.0000
fl-272	12/06/88	BA		0.06500	MG/L	0.0000
fl-272	03/08/89	BA		0.04800	MG/L	0.0000
fl-272	05/25/89	BA		0.01200	MG/L	0.0000
fl-272	12/06/88	BE	<	0.00030	MG/L	0.0000
fl-272	03/08/89	BE	<	0.00030	MG/L	0.0000
fl-272	05/25/89	BE	<	0.00040	MG/L	0.0000
fl-272	12/06/88	CA		53.00000	MG/L	0.0000
fl-272	03/08/89	CA		5.20000	MG/L	0.0000
fl-272	05/25/89	CA	<	0.06000	MG/L	0.0000
fl-272	12/06/88	CD	<	0.00200	MG/L	0.0000
fl-272	03/08/89	CD	<	0.00200	MG/L	0.0000
fl-272	05/25/89	CD	<	0.00200	MG/L	0.0000
fl-272	12/06/88	CHLORIDE		14.00000	MG/L	0.0000
fl-272	03/08/89	CHLORIDE		1.10000	MG/L	0.0000
fl-272	05/25/89	CHLORIDE	<	1.00000	MG/L	0.0000
fl-272	12/06/88	CO	<	0.00300	MG/L	0.0000
fl-272	03/08/89	CO	<	0.00300	MG/L	0.0000
fl-272	05/25/89	CO		0.00300	MG/L	0.0000
fl-272	12/06/88	CR	<	0.00500	MG/L	0.0000
fl-272	03/08/89	CR	<	0.00500	MG/L	0.0000
fl-272	05/25/89	CR	<	0.00300	MG/L	0.0000
fl-272	12/06/88	CU	<	0.01000	MG/L	0.0000
fl-272	03/08/89	CU	<	0.01000	MG/L	0.0000
fl-272	05/25/89	CU	<	0.01000	MG/L	0.0000
fl-272	12/06/88	FE		0.22000	MG/L	0.0000
fl-272	03/08/89	FE		0.01500	MG/L	0.0000
fl-272	05/25/89	FE		0.17000	MG/L	0.0000
fl-272	12/06/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-272	03/08/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-272	05/25/89	FLUORIDE	<	1.00000	MG/L	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-272	12/06/88	G-ALPHA		0.06000	BQ/L	0.0600
fl-272	03/08/89	G-ALPHA		-0.01000	BQ/L	0.0100
fl-272	05/25/89	G-ALPHA		0.02500	BQ/L	0.0230
fl-272	08/28/89	G-ALPHA		-0.19000	BQ/L	0.4000
fl-272	12/06/88	G-BETA		0.26000	BQ/L	0.9900
fl-272	03/08/89	G-BETA		0.05000	BQ/L	0.0200
fl-272	05/25/89	G-BETA		0.17000	BQ/L	0.0600
fl-272	08/28/89	G-BETA		-0.95000	BQ/L	2.2000
fl-272	12/06/88	GA	<	0.30000	MG/L	0.0000
fl-272	05/25/89	GA	<	0.30000	MG/L	0.0000
fl-272	12/06/88	HG	<	0.00010	UG/ML	0.0000
fl-272	03/08/89	HG	<	0.00010	UG/ML	0.0000
fl-272	05/25/89	HG	<	0.00010	UG/ML	0.0000
fl-272	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-272	12/06/88	LI	<	0.20000	MG/L	0.0000
fl-272	03/08/89	LI	<	0.20000	MG/L	0.0000
fl-272	12/06/88	MG		11.00000	MG/L	0.0000
fl-272	03/08/89	MG		1.40000	MG/L	0.0000
fl-272	05/25/89	MG		2.40000	MG/L	0.0000
fl-272	12/06/88	MN		0.01600	MG/L	0.0000
fl-272	03/08/89	MN	<	0.00200	MG/L	0.0000
fl-272	05/25/89	MN		0.08800	MG/L	0.0000
fl-272	12/06/88	MO	<	0.04000	MG/L	0.0000
fl-272	03/08/89	MO	<	0.04000	MG/L	0.0000
fl-272	05/25/89	MO	<	0.04000	MG/L	0.0000
fl-272	12/06/88	NA		6.20000	MG/L	0.0000
fl-272	03/08/89	NA		1.20000	MG/L	0.0000
fl-272	05/25/89	NA	<	2.00000	MG/L	0.0000
fl-272	12/06/88	NI	<	0.00500	MG/L	0.0000
fl-272	03/08/89	NI	<	0.00500	MG/L	0.0000
fl-272	05/25/89	NI	<	0.00600	MG/L	0.0000
fl-272	12/06/88	NITRATE		54.00000	MG/L	0.0000
fl-272	03/08/89	NITRATE	<	5.00000	MG/L	0.0000
fl-272	05/25/89	NITRATE	<	5.00000	UG/ML	0.0000
fl-272	12/06/88	P	<	0.30000	MG/L	0.0000
fl-272	03/08/89	P	<	0.30000	MG/L	0.0000
fl-272	05/25/89	P	<	0.30000	MG/L	0.0000
fl-272	12/06/88	PB	<	0.05000	MG/L	0.0000
fl-272	03/08/89	PB	<	0.05000	MG/L	0.0000
fl-272	05/25/89	PB	<	0.03000	MG/L	0.0000
fl-272	12/06/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-272	03/08/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-272	05/25/89	PHOSPHATE	<	5.00000	UG/ML	0.0000
fl-272	12/06/88	SB	<	0.03000	MG/L	0.0000
fl-272	03/08/89	SB	<	0.03000	MG/L	0.0000
fl-272	05/25/89	SB	<	0.04000	MG/L	0.0000
fl-272	12/06/88	SE	<	0.00500	UG/ML	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-272	03/08/89	SE	<	0.00500	UG/ML	0.0000
fl-272	05/25/89	SE	<	0.00500	UG/ML	0.0000
fl-272	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-272	12/06/88	SI		2.90000	MG/L	0.0000
fl-272	03/08/89	SI		4.10000	MG/L	0.0000
fl-272	05/25/89	SI	<	0.20000	MG/L	0.0000
fl-272	12/06/88	SN	<	0.05000	MG/L	0.0000
fl-272	03/08/89	SN	<	0.05000	MG/L	0.0000
fl-272	05/25/89	SN	<	0.05000	MG/L	0.0000
fl-272	12/06/88	SR		0.12000	MG/L	0.0000
fl-272	05/25/89	SR	<	0.00500	MG/L	0.0000
fl-272	12/06/88	SULFATE		23.00000	MG/L	0.0000
fl-272	03/08/89	SULFATE		10.00000	MG/L	0.0000
fl-272	05/25/89	SULFATE	<	5.00000	MG/L	0.0000
fl-272	12/06/88	TI	<	0.02000	MG/L	0.0000
fl-272	03/08/89	TI		0.02600	MG/L	0.0000
fl-272	05/25/89	TI	<	0.02000	MG/L	0.0000
fl-272	12/06/88	TOC		1.10000	UG/ML	0.0000
fl-272	03/08/89	TOC	<	0.50000	UG/ML	0.0000
fl-272	05/25/89	TOC		2.00000	UG/ML	0.0000
fl-272	08/28/89	TOC		2.90000	UG/ML	0.0000
fl-272	12/06/88	TOTAL URANIUM		0.00900	MG/L	0.0000
fl-272	03/08/89	TOTAL URANIUM		0.00200	MG/L	0.0000
fl-272	05/25/89	TOTAL URANIUM		0.00400	MG/L	0.0000
fl-272	12/06/88	TOX	<	5.00000	UG/L	0.0000
fl-272	03/08/89	TOX		40.00000	UG/L	0.0000
fl-272	05/25/89	TOX		6.70000	UG/L	0.0000
fl-272	12/06/88	TRITIUM		4.00000	BQ/L	44.0000
fl-272	03/08/89	TRITIUM		1.00000	BQ/L	31.0000
fl-272	05/25/89	TRITIUM		30.00000	BQ/L	31.0000
fl-272	08/28/89	TRITIUM		-7.00000	BQ/L	28.0000
fl-272	12/06/88	V		0.00750	MG/L	0.0000
fl-272	03/08/89	V		0.01300	MG/L	0.0000
fl-272	05/25/89	V	<	0.00400	MG/L	0.0000
fl-272	12/06/88	ZN		0.01600	MG/L	0.0000
fl-272	03/08/89	ZN		0.01400	MG/L	0.0000
fl-272	05/25/89	ZN		0.02100	MG/L	0.0000
fl-272	12/06/88	ZR	<	0.02000	MG/L	0.0000
fl-272	03/08/89	ZR	<	0.02000	MG/L	0.0000
fl-272	05/25/89	ZR	<	0.02000	MG/L	0.0000
fl-273	12/06/88	AG	<	0.00500	MG/L	0.0000
fl-273	03/08/89	AG	<	0.00500	MG/L	0.0000
fl-273	05/25/89	AG	<	0.00500	MG/L	0.0000
fl-273	12/06/88	AL		0.07500	MG/L	0.0000
fl-273	03/08/89	AL		0.29000	MG/L	0.0000
fl-273	05/25/89	AL		0.29000	MG/L	0.0000
fl-273	12/06/88	ALKALINITY		30.00000	MG CACO3/L	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-273	03/08/89	ALKALINITY		76.50000	MG CACO3/L	0.0000
fl-273	12/06/88	AS	<	0.01000	UG/ML	0.0000
fl-273	03/08/89	AS	<	0.01000	UG/ML	0.0000
fl-273	05/25/89	AS	<	0.01000	UG/ML	0.0000
fl-273	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-273	12/06/88	B	<	0.08000	MG/L	0.0000
fl-273	03/08/89	B	<	0.08000	MG/L	0.0000
fl-273	05/25/89	B		0.16000	MG/L	0.0000
fl-273	12/06/88	BA		0.03400	MG/L	0.0000
fl-273	03/08/89	BA		0.06100	MG/L	0.0000
fl-273	05/25/89	BA		0.09300	MG/L	0.0000
fl-273	12/06/88	BE	<	0.00030	MG/L	0.0000
fl-273	03/08/89	BE	<	0.00030	MG/L	0.0000
fl-273	05/25/89	BE	<	0.00040	MG/L	0.0000
fl-273	12/06/88	CA		11.00000	MG/L	0.0000
fl-273	03/08/89	CA		24.00000	MG/L	0.0000
fl-273	05/25/89	CA		44.00000	MG/L	0.0000
fl-273	12/06/88	CD	<	0.00200	MG/L	0.0000
fl-273	03/08/89	CD	<	0.00200	MG/L	0.0000
fl-273	05/25/89	CD	<	0.00200	MG/L	0.0000
fl-273	12/06/88	CHLORIDE		1.50000	MG/L	0.0000
fl-273	03/08/89	CHLORIDE		5.50000	MG/L	0.0000
fl-273	12/06/88	CO	<	0.00300	MG/L	0.0000
fl-273	03/08/89	CO	<	0.00300	MG/L	0.0000
fl-273	05/25/89	CO		0.00420	MG/L	0.0000
fl-273	12/06/88	CR	<	0.00500	MG/L	0.0000
fl-273	03/08/89	CR	<	0.00500	MG/L	0.0000
fl-273	05/25/89	CR		0.00740	MG/L	0.0000
fl-273	12/06/88	CU	<	0.01000	MG/L	0.0000
fl-273	03/08/89	CU	<	0.01000	MG/L	0.0000
fl-273	05/25/89	CU	<	0.01000	MG/L	0.0000
fl-273	12/06/88	FE		0.08500	MG/L	0.0000
fl-273	03/08/89	FE		0.05200	MG/L	0.0000
fl-273	05/25/89	FE		0.11000	MG/L	0.0000
fl-273	12/06/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-273	03/08/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-273	12/06/88	G-ALPHA		1.40000	BQ/L	0.3000
fl-273	03/08/89	G-ALPHA		0.46000	BQ/L	0.2600
fl-273	05/25/89	G-ALPHA		0.45000	BQ/L	0.1000
fl-273	08/28/89	G-ALPHA		2.00000	BQ/L	1.7000
fl-273	12/06/88	G-BETA		1.40000	BQ/L	0.2000
fl-273	03/08/89	G-BETA		0.74000	BQ/L	0.3200
fl-273	05/25/89	G-BETA		0.59000	BQ/L	0.1000
fl-273	08/28/89	G-BETA		1.60000	BQ/L	2.5000
fl-273	12/06/88	GA	<	0.30000	MG/L	0.0000
fl-273	05/25/89	GA	<	0.30000	MG/L	0.0000
fl-273	12/06/88	HG	<	0.00010	UG/ML	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-273	03/08/89	HG	<	0.00010	UG/ML	0.0000
fl-273	05/25/89	HG	<	0.00010	UG/ML	0.0000
fl-273	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-273	12/06/88	LI	<	0.20000	MG/L	0.0000
fl-273	03/08/89	LI	<	0.20000	MG/L	0.0000
fl-273	12/06/88	MG		2.10000	MG/L	0.0000
fl-273	03/08/89	MG		6.90000	MG/L	0.0000
fl-273	05/25/89	MG		12.00000	MG/L	0.0000
fl-273	12/06/88	MN		0.00780	MG/L	0.0000
fl-273	03/08/89	MN	<	0.00200	MG/L	0.0000
fl-273	05/25/89	MN		0.05600	MG/L	0.0000
fl-273	12/06/88	MO	<	0.04000	MG/L	0.0000
fl-273	03/08/89	MO	<	0.04000	MG/L	0.0000
fl-273	05/25/89	MO	<	0.04000	MG/L	0.0000
fl-273	12/06/88	NA		2.60000	MG/L	0.0000
fl-273	03/08/89	NA		2.00000	MG/L	0.0000
fl-273	05/25/89	NA	<	2.00000	MG/L	0.0000
fl-273	12/06/88	NI		0.00860	MG/L	0.0000
fl-273	03/08/89	NI	<	0.00500	MG/L	0.0000
fl-273	05/25/89	NI		0.00630	MG/L	0.0000
fl-273	12/06/88	NITRATE	<	5.00000	MG/L	0.0000
fl-273	03/08/89	NITRATE		11.00000	MG/L	0.0000
fl-273	12/06/88	P	<	0.30000	MG/L	0.0000
fl-273	03/08/89	P	<	0.30000	MG/L	0.0000
fl-273	05/25/89	P	<	0.30000	MG/L	0.0000
fl-273	12/06/88	PB	<	0.05000	MG/L	0.0000
fl-273	03/08/89	PB	<	0.05000	MG/L	0.0000
fl-273	05/25/89	PB	<	0.03000	MG/L	0.0000
fl-273	12/06/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-273	03/08/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-273	12/06/88	SB	<	0.03000	MG/L	0.0000
fl-273	03/08/89	SB	<	0.03000	MG/L	0.0000
fl-273	05/25/89	SB	<	0.04000	MG/L	0.0000
fl-273	12/06/88	SE	<	0.00500	UG/ML	0.0000
fl-273	03/08/89	SE	<	0.00500	UG/ML	0.0000
fl-273	05/25/89	SE	<	0.00500	UG/ML	0.0000
fl-273	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-273	12/06/88	SI		3.50000	MG/L	0.0000
fl-273	03/08/89	SI		3.70000	MG/L	0.0000
fl-273	05/25/89	SI		3.10000	MG/L	0.0000
fl-273	12/06/88	SN	<	0.05000	MG/L	0.0000
fl-273	03/08/89	SN	<	0.05000	MG/L	0.0000
fl-273	05/25/89	SN	<	0.05000	MG/L	0.0000
fl-273	12/06/88	SR		0.04200	MG/L	0.0000
fl-273	05/25/89	SR		0.07700	MG/L	0.0000
fl-273	12/06/88	SULFATE		15.00000	MG/L	0.0000
fl-273	03/08/89	SULFATE		9.40000	MG/L	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-273	12/06/88	TI	<	0.02000	MG/L	0.0000
fl-273	03/08/89	TI		0.02800	MG/L	0.0000
fl-273	05/25/89	TI	<	0.02000	MG/L	0.0000
fl-273	12/06/88	TOC		1.30000	UG/ML	0.0000
fl-273	03/08/89	TOC	<	0.50000	UG/ML	0.0000
fl-273	05/25/89	TOC		1.40000	UG/ML	0.0000
fl-273	08/28/89	TOC		2.50000	UG/ML	0.0000
fl-273	12/06/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-273	03/08/89	TOTAL URANIUM		0.00300	MG/L	0.0000
fl-273	05/25/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
fl-273	12/06/88	TOX	<	5.00000	UG/L	0.0000
fl-273	03/08/89	TOX		10.00000	UG/L	0.0000
fl-273	05/25/89	TOX	<	5.00000	UG/L	0.0000
fl-273	12/06/88	TRITIUM		10.00000	BQ/L	44.0000
fl-273	03/08/89	TRITIUM		0.00000	BQ/L	31.0000
fl-273	05/25/89	TRITIUM		17.00000	BQ/L	30.0000
fl-273	08/28/89	TRITIUM		7.50000	BQ/L	29.0000
fl-273	12/06/88	V	<	0.00400	MG/L	0.0000
fl-273	03/08/89	V		0.01400	MG/L	0.0000
fl-273	05/25/89	V	<	0.00400	MG/L	0.0000
fl-273	12/06/88	ZN		0.01800	MG/L	0.0000
fl-273	03/08/89	ZN		0.01300	MG/L	0.0000
fl-273	05/25/89	ZN		0.02100	MG/L	0.0000
fl-273	12/06/88	ZR	<	0.02000	MG/L	0.0000
fl-273	03/08/89	ZR	<	0.02000	MG/L	0.0000
fl-273	05/25/89	ZR	<	0.02000	MG/L	0.0000
fl-672	12/06/88	AG	<	0.00500	MG/L	0.0000
fl-672	03/09/89	AG	<	0.00600	MG/L	0.0000
fl-672	05/25/89	AG	<	0.00500	MG/L	0.0000
fl-672	12/06/88	AL		0.13000	MG/L	0.0000
fl-672	03/09/89	AL		0.06300	MG/L	0.0000
fl-672	05/25/89	AL		0.08300	MG/L	0.0000
fl-672	12/06/88	ALKALINITY		58.75000	MG CACO3/L	0.0000
fl-672	03/09/89	ALKALINITY		16.00000	MG CACO3/L	0.0000
fl-672	05/25/89	ALKALINITY		45.50000	MG CACO3/L	0.0000
fl-672	12/06/88	AS	<	0.01000	UG/ML	0.0000
fl-672	03/09/89	AS	<	0.01000	UG/ML	0.0000
fl-672	05/25/89	AS	<	0.01000	UG/ML	0.0000
fl-672	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-672	12/06/88	B	<	0.08000	MG/L	0.0000
fl-672	03/09/89	B		0.00900	MG/L	0.0000
fl-672	05/25/89	B	<	0.08000	MG/L	0.0000
fl-672	12/06/88	BA		0.05700	MG/L	0.0000
fl-672	03/09/89	BA		0.03100	MG/L	0.0000
fl-672	05/25/89	BA		0.06600	MG/L	0.0000
fl-672	12/06/88	BE	<	0.00030	MG/L	0.0000
fl-672	03/09/89	BE		0.00040	MG/L	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-672	05/25/89	BE	<	0.00040	MG/L	0.0000
fl-672	12/06/88	CA		19.00000	MG/L	0.0000
fl-672	03/09/89	CA		5.60000	MG/L	0.0000
fl-672	05/25/89	CA		13.00000	MG/L	0.0000
fl-672	12/06/88	CD	<	0.00200	MG/L	0.0000
fl-672	03/09/89	CD	<	0.00300	MG/L	0.0000
fl-672	05/25/89	CD	<	0.00200	MG/L	0.0000
fl-672	12/06/88	CHLORIDE		1.40000	MG/L	0.0000
fl-672	03/09/89	CHLORIDE		1.00000	MG/L	0.0000
fl-672	05/25/89	CHLORIDE	<	1.00000	MG/L	0.0000
fl-672	12/06/88	CO	<	0.00300	MG/L	0.0000
fl-672	03/09/89	CO	<	0.00500	MG/L	0.0000
fl-672	05/25/89	CO		0.00380	MG/L	0.0000
fl-672	12/06/88	CR	<	0.00500	MG/L	0.0000
fl-672	03/09/89	CR	<	0.01000	MG/L	0.0000
fl-672	05/25/89	CR	<	0.00300	MG/L	0.0000
fl-672	12/06/88	CU	<	0.01000	MG/L	0.0000
fl-672	03/09/89	CU	<	0.00400	MG/L	0.0000
fl-672	05/25/89	CU	<	0.01000	MG/L	0.0000
fl-672	12/06/88	FE		0.19000	MG/L	0.0000
fl-672	03/09/89	FE		0.14000	MG/L	0.0000
fl-672	05/25/89	FE		0.09100	MG/L	0.0000
fl-672	12/06/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-672	03/09/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-672	05/25/89	FLUORIDE		1.10000	MG/L	0.0000
fl-672	12/06/88	G-ALPHA		0.20000	BQ/L	0.1000
fl-672	03/09/89	G-ALPHA		0.05600	BQ/L	0.0580
fl-672	05/25/89	G-ALPHA		0.01300	BQ/L	0.0190
fl-672	08/28/89	G-ALPHA		0.30000	BQ/L	0.0900
fl-672	12/06/88	G-BETA		0.26000	BQ/L	0.0900
fl-672	03/09/89	G-BETA		0.18000	BQ/L	0.1600
fl-672	05/25/89	G-BETA		0.06000	BQ/L	0.0700
fl-672	08/28/89	G-BETA		-1.80000	BQ/L	1.8000
fl-672	12/06/88	GA	<	0.30000	MG/L	0.0000
fl-672	05/25/89	GA	<	0.30000	MG/L	0.0000
fl-672	12/06/88	HG	<	0.00010	UG/ML	0.0000
fl-672	03/09/89	HG	<	0.00010	UG/ML	0.0000
fl-672	05/25/89	HG	<	0.00010	UG/ML	0.0000
fl-672	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-672	12/06/88	LI	<	0.20000	MG/L	0.0000
fl-672	03/09/89	LI	<	0.00400	MG/L	0.0000
fl-672	12/06/88	MG		3.90000	MG/L	0.0000
fl-672	03/09/89	MG		1.50000	MG/L	0.0000
fl-672	05/25/89	MG		3.00000	MG/L	0.0000
fl-672	12/06/88	MN		0.03400	MG/L	0.0000
fl-672	03/09/89	MN		0.01000	MG/L	0.0000
fl-672	05/25/89	MN		0.05600	MG/L	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-672	12/06/88	MO	<	0.04000	MG/L	0.0000
fl-672	03/09/89	MO	<	0.01000	MG/L	0.0000
fl-672	05/25/89	MO	<	0.04000	MG/L	0.0000
fl-672	12/06/88	NA		3.70000	MG/L	0.0000
fl-672	03/09/89	NA		1.40000	MG/L	0.0000
fl-672	05/25/89	NA	<	2.00000	MG/L	0.0000
fl-672	12/06/88	NI		0.00750	MG/L	0.0000
fl-672	03/09/89	NI	<	0.01000	MG/L	0.0000
fl-672	05/25/89	NI	<	0.00600	MG/L	0.0000
fl-672	12/06/88	NITRATE	<	5.00000	MG/L	0.0000
fl-672	03/09/89	NITRATE	<	5.00000	MG/L	0.0000
fl-672	05/25/89	NITRATE	<	5.00000	UG/ML	0.0000
fl-672	05/25/89	NITRATE	<	5.00000	MG/L	0.0000
fl-672	12/06/88	P	<	0.30000	MG/L	0.0000
fl-672	03/09/89	P	<	0.20000	MG/L	0.0000
fl-672	05/25/89	P	<	0.30000	MG/L	0.0000
fl-672	12/06/88	PB	<	0.05000	MG/L	0.0000
fl-672	03/09/89	PB	<	0.05000	MG/L	0.0000
fl-672	05/25/89	PB	<	0.03000	MG/L	0.0000
fl-672	12/06/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-672	03/09/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-672	05/25/89	PHOSPHATE	<	5.00000	UG/ML	0.0000
fl-672	12/06/88	SB	<	0.03000	MG/L	0.0000
fl-672	03/09/89	SB	<	0.03000	MG/L	0.0000
fl-672	05/25/89	SB	<	0.04000	MG/L	0.0000
fl-672	12/06/88	SE	<	0.00500	UG/ML	0.0000
fl-672	03/09/89	SE	<	0.00500	UG/ML	0.0000
fl-672	05/25/89	SE	<	0.00500	UG/ML	0.0000
fl-672	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-672	12/06/88	SI		4.80000	MG/L	0.0000
fl-672	03/09/89	SI		3.40000	MG/L	0.0000
fl-672	05/25/89	SI		4.50000	MG/L	0.0000
fl-672	12/06/88	SN	<	0.05000	MG/L	0.0000
fl-672	05/25/89	SN	<	0.05000	MG/L	0.0000
fl-672	12/06/88	SR		0.07600	MG/L	0.0000
fl-672	03/09/89	SR		0.01900	MG/L	0.0000
fl-672	05/25/89	SR		0.04000	MG/L	0.0000
fl-672	12/06/88	SULFATE		15.00000	MG/L	0.0000
fl-672	03/09/89	SULFATE		11.00000	MG/L	0.0000
fl-672	05/25/89	SULFATE		8.50000	MG/L	0.0000
fl-672	12/06/88	TI	<	0.02000	MG/L	0.0000
fl-672	03/09/89	TI	<	0.00300	MG/L	0.0000
fl-672	05/25/89	TI	<	0.02000	MG/L	0.0000
fl-672	12/06/88	TOC		1.10000	UG/ML	0.0000
fl-672	03/09/89	TOC		0.60000	UG/ML	0.0000
fl-672	05/25/89	TOC		1.40000	UG/ML	0.0000
fl-672	08/28/89	TOC		2.00000	UG/ML	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-672	12/06/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-672	03/09/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
fl-672	05/25/89	TOTAL URANIUM		0.01100	MG/L	0.0000
fl-672	12/06/88	TOX	<	5.00000	UG/L	0.0000
fl-672	03/09/89	TOX	<	5.00000	UG/L	0.0000
fl-672	05/25/89	TOX		115.80000	UG/L	0.0000
fl-672	12/06/88	TRITIUM		8.00000	BQ/L	44.0000
fl-672	03/09/89	TRITIUM		8.00000	BQ/L	32.0000
fl-672	05/25/89	TRITIUM		23.00000	BQ/L	30.0000
fl-672	08/28/89	TRITIUM		38.00000	BQ/L	30.0000
fl-672	12/06/88	V	<	0.00400	MG/L	0.0000
fl-672	03/09/89	V	<	0.00400	MG/L	0.0000
fl-672	05/25/89	V	<	0.00400	MG/L	0.0000
fl-672	12/06/88	ZN		0.01100	MG/L	0.0000
fl-672	03/09/89	ZN		0.01300	MG/L	0.0000
fl-672	05/25/89	ZN		0.02100	MG/L	0.0000
fl-672	12/06/88	ZR	<	0.02000	MG/L	0.0000
fl-672	03/09/89	ZR	<	0.00500	MG/L	0.0000
fl-672	05/25/89	ZR	<	0.02000	MG/L	0.0000
fl-673	12/06/88	AG	<	0.00500	MG/L	0.0000
fl-673	03/09/89	AG	<	0.00600	MG/L	0.0000
fl-673	05/25/89	AG	<	0.00500	MG/L	0.0000
fl-673	12/06/88	AL		0.36000	MG/L	0.0000
fl-673	03/09/89	AL		0.03700	MG/L	0.0000
fl-673	05/25/89	AL		0.32000	MG/L	0.0000
fl-673	12/06/88	ALKALINITY		161.25000	MG CACO3/L	0.0000
fl-673	03/09/89	ALKALINITY		94.00000	MG CACO3/L	0.0000
fl-673	05/25/89	ALKALINITY		138.80000	MG CACO3/L	0.0000
fl-673	12/06/88	AS	<	0.01000	UG/ML	0.0000
fl-673	03/09/89	AS	<	0.01000	UG/ML	0.0000
fl-673	05/25/89	AS	<	0.01000	UG/ML	0.0000
fl-673	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-673	12/06/88	B		0.44000	MG/L	0.0000
fl-673	03/09/89	B		0.25000	MG/L	0.0000
fl-673	05/25/89	B		0.28000	MG/L	0.0000
fl-673	12/06/88	BA		0.10000	MG/L	0.0000
fl-673	03/09/89	BA		0.21000	MG/L	0.0000
fl-673	05/25/89	BA		0.08600	MG/L	0.0000
fl-673	12/06/88	BE		0.00050	MG/L	0.0000
fl-673	03/09/89	BE	<	0.00030	MG/L	0.0000
fl-673	05/25/89	BE	<	0.00040	MG/L	0.0000
fl-673	12/06/88	CA		80.00000	MG/L	0.0000
fl-673	03/09/89	CA		31.70000	MG/L	0.0000
fl-673	05/25/89	CA		53.00000	MG/L	0.0000
fl-673	12/06/88	CD		0.00950	MG/L	0.0000
fl-673	03/09/89	CD	<	0.00300	MG/L	0.0000
fl-673	05/25/89	CD	<	0.00200	MG/L	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-673	12/06/88	CHLORIDE		21.00000	MG/L	0.0000
fl-673	03/09/89	CHLORIDE		7.80000	MG/L	0.0000
fl-673	05/25/89	CHLORIDE		10.00000	MG/L	0.0000
fl-673	12/06/88	CO	<	0.00300	MG/L	0.0000
fl-673	03/09/89	CO	<	0.00500	MG/L	0.0000
fl-673	05/25/89	CO		0.00390	MG/L	0.0000
fl-673	12/06/88	CR		0.00660	MG/L	0.0000
fl-673	03/09/89	CR	<	0.01000	MG/L	0.0000
fl-673	05/25/89	CR		0.00950	MG/L	0.0000
fl-673	12/06/88	CU	<	0.01000	MG/L	0.0000
fl-673	03/09/89	CU	<	0.00400	MG/L	0.0000
fl-673	05/25/89	CU	<	0.01000	MG/L	0.0000
fl-673	12/06/88	FE		0.04600	MG/L	0.0000
fl-673	03/09/89	FE		0.28000	MG/L	0.0000
fl-673	05/25/89	FE		0.04700	MG/L	0.0000
fl-673	12/06/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-673	03/09/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-673	05/25/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-673	12/06/88	G-ALPHA		1.40000	BQ/L	0.3000
fl-673	03/09/89	G-ALPHA		1.20000	BQ/L	0.2000
fl-673	05/25/89	G-ALPHA		0.65000	BQ/L	0.1200
fl-673	08/28/89	G-ALPHA		1.90000	BQ/L	1.7000
fl-673	12/06/88	G-BETA		2.10000	BQ/L	0.2000
fl-673	03/09/89	G-BETA		1.20000	BQ/L	0.2000
fl-673	05/25/89	G-BETA		1.10000	BQ/L	0.1000
fl-673	08/28/89	G-BETA		3.60000	BQ/L	2.8000
fl-673	12/06/88	GA	<	0.30000	MG/L	0.0000
fl-673	05/25/89	GA	<	0.30000	MG/L	0.0000
fl-673	12/06/88	HG	<	0.00010	UG/ML	0.0000
fl-673	03/09/89	HG	<	0.00010	UG/ML	0.0000
fl-673	05/25/89	HG	<	0.00010	UG/ML	0.0000
fl-673	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-673	12/06/88	LI	<	0.20000	MG/L	0.0000
fl-673	03/09/89	LI		0.10000	MG/L	0.0000
fl-673	12/06/88	MG		16.00000	MG/L	0.0000
fl-673	03/09/89	MG		8.60000	MG/L	0.0000
fl-673	05/25/89	MG		10.00000	MG/L	0.0000
fl-673	12/06/88	MN		0.02000	MG/L	0.0000
fl-673	03/09/89	MN		0.02000	MG/L	0.0000
fl-673	05/25/89	MN		0.04800	MG/L	0.0000
fl-673	12/06/88	MO	<	0.04000	MG/L	0.0000
fl-673	03/09/89	MO	<	0.01000	MG/L	0.0000
fl-673	05/25/89	MO	<	0.04000	MG/L	0.0000
fl-673	12/06/88	NA		10.00000	MG/L	0.0000
fl-673	03/09/89	NA		3.70000	MG/L	0.0000
fl-673	05/25/89	NA		3.10000	MG/L	0.0000
fl-673	12/06/88	NI		0.00730	MG/L	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-673	03/09/89	NI	<	0.01000	MG/L	0.0000
fl-673	05/25/89	NI	<	0.00600	MG/L	0.0000
fl-673	12/06/88	NITRATE		110.00000	MG/L	0.0000
fl-673	03/09/89	NITRATE		23.00000	MG/L	0.0000
fl-673	05/25/89	NITRATE		37.70000	UG/ML	0.0000
fl-673	12/06/88	P	<	0.30000	MG/L	0.0000
fl-673	03/09/89	P	<	0.20000	MG/L	0.0000
fl-673	05/25/89	P	<	0.30000	MG/L	0.0000
fl-673	12/06/88	PB	<	0.05000	MG/L	0.0000
fl-673	03/09/89	PB	<	0.05000	MG/L	0.0000
fl-673	05/25/89	PB	<	0.03000	MG/L	0.0000
fl-673	12/06/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-673	03/09/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-673	05/25/89	PHOSPHATE	<	5.00000	UG/ML	0.0000
fl-673	12/06/88	SB	<	0.03000	MG/L	0.0000
fl-673	03/09/89	SB	<	0.03000	MG/L	0.0000
fl-673	05/25/89	SB	<	0.04000	MG/L	0.0000
fl-673	12/06/88	SE	<	0.00500	UG/ML	0.0000
fl-673	03/09/89	SE	<	0.00500	UG/ML	0.0000
fl-673	05/25/89	SE	<	0.00500	UG/ML	0.0000
fl-673	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-673	12/06/88	SI		2.70000	MG/L	0.0000
fl-673	03/09/89	SI		3.30000	MG/L	0.0000
fl-673	05/25/89	SI		3.40000	MG/L	0.0000
fl-673	12/06/88	SN	<	0.05000	MG/L	0.0000
fl-673	05/25/89	SN	<	0.05000	MG/L	0.0000
fl-673	12/06/88	SR		0.23000	MG/L	0.0000
fl-673	03/09/89	SR		0.05600	MG/L	0.0000
fl-673	05/25/89	SR		0.11000	MG/L	0.0000
fl-673	12/06/88	SULFATE		34.00000	MG/L	0.0000
fl-673	03/09/89	SULFATE		15.00000	MG/L	0.0000
fl-673	05/25/89	SULFATE		14.00000	MG/L	0.0000
fl-673	12/06/88	TI		0.02300	MG/L	0.0000
fl-673	03/09/89	TI	<	0.00300	MG/L	0.0000
fl-673	05/25/89	TI	<	0.02000	MG/L	0.0000
fl-673	12/06/88	TOC		1.30000	UG/ML	0.0000
fl-673	03/09/89	TOC		0.60000	UG/ML	0.0000
fl-673	05/25/89	TOC		1.50000	UG/ML	0.0000
fl-673	08/28/89	TOC		3.50000	UG/ML	0.0000
fl-673	12/06/88	TOTAL URANIUM		0.01500	MG/L	0.0000
fl-673	03/09/89	TOTAL URANIUM		0.00500	MG/L	0.0000
fl-673	05/25/89	TOTAL URANIUM		0.01500	MG/L	0.0000
fl-673	12/06/88	TOX	<	5.00000	UG/L	0.0000
fl-673	03/09/89	TOX		37.00000	UG/L	0.0000
fl-673	05/25/89	TOX	<	5.00000	UG/L	0.0000
fl-673	12/06/88	TRITIUM		12.00000	BQ/L	44.0000
fl-673	03/09/89	TRITIUM		17.00000	BQ/L	32.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-673	05/25/89	TRITIUM		29.00000	BQ/L	31.0000
fl-673	12/06/88	V		0.00970	MG/L	0.0000
fl-673	03/09/89	V	<	0.00400	MG/L	0.0000
fl-673	05/25/89	V	<	0.00400	MG/L	0.0000
fl-673	12/06/88	ZN		0.00810	MG/L	0.0000
fl-673	03/09/89	ZN		0.01300	MG/L	0.0000
fl-673	05/25/89	ZN		0.02400	MG/L	0.0000
fl-673	12/06/88	ZR	<	0.02000	MG/L	0.0000
fl-673	03/09/89	ZR	<	0.00500	MG/L	0.0000
fl-673	05/25/89	ZR	<	0.02000	MG/L	0.0000
fl-677	12/06/88	AG	<	0.00500	MG/L	0.0000
fl-677	03/08/89	AG	<	0.00500	MG/L	0.0000
fl-677	05/25/89	AG	<	0.00500	MG/L	0.0000
fl-677	12/06/88	AL		0.13000	MG/L	0.0000
fl-677	03/08/89	AL		0.17000	MG/L	0.0000
fl-677	05/25/89	AL		0.15000	MG/L	0.0000
fl-677	12/06/88	ALKALINITY		65.00000	MG CACO3/L	0.0000
fl-677	03/08/89	ALKALINITY		16.50000	MG CACO3/L	0.0000
fl-677	05/25/89	ALKALINITY		62.50000	MG CACO3/L	0.0000
fl-677	12/06/88	AS	<	0.01000	UG/ML	0.0000
fl-677	03/08/89	AS	<	0.01000	UG/ML	0.0000
fl-677	05/25/89	AS	<	0.01000	UG/ML	0.0000
fl-677	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-677	12/06/88	B	<	0.08000	MG/L	0.0000
fl-677	03/08/89	B	<	0.08000	MG/L	0.0000
fl-677	05/25/89	B	<	0.08000	MG/L	0.0000
fl-677	12/06/88	BA		0.05200	MG/L	0.0000
fl-677	03/08/89	BA		0.03800	MG/L	0.0000
fl-677	05/25/89	BA		0.19000	MG/L	0.0000
fl-677	12/06/88	BE	<	0.00030	MG/L	0.0000
fl-677	03/08/89	BE	<	0.00030	MG/L	0.0000
fl-677	05/25/89	BE	<	0.00040	MG/L	0.0000
fl-677	12/06/88	CA		22.00000	MG/L	0.0000
fl-677	03/08/89	CA		7.20000	MG/L	0.0000
fl-677	05/25/89	CA		21.00000	MG/L	0.0000
fl-677	12/06/88	CD	<	0.00200	MG/L	0.0000
fl-677	03/08/89	CD	<	0.00200	MG/L	0.0000
fl-677	05/25/89	CD	<	0.00200	MG/L	0.0000
fl-677	12/06/88	CHLORIDE		1.30000	MG/L	0.0000
fl-677	03/08/89	CHLORIDE		1.10000	MG/L	0.0000
fl-677	05/25/89	CHLORIDE		1.10000	MG/L	0.0000
fl-677	12/06/88	CO	<	0.00300	MG/L	0.0000
fl-677	03/08/89	CO	<	0.00300	MG/L	0.0000
fl-677	05/25/89	CO		0.00350	MG/L	0.0000
fl-677	12/06/88	CR	<	0.00500	MG/L	0.0000
fl-677	03/08/89	CR	<	0.00500	MG/L	0.0000
fl-677	05/25/89	CR	<	0.00300	MG/L	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-677	12/06/88	CU	<	0.01000	MG/L	0.0000
fl-677	03/08/89	CU	<	0.01000	MG/L	0.0000
fl-677	05/25/89	CU	<	0.01000	MG/L	0.0000
fl-677	12/06/88	FE		0.36000	MG/L	0.0000
fl-677	03/08/89	FE		0.49000	MG/L	0.0000
fl-677	05/25/89	FE		0.13000	MG/L	0.0000
fl-677	12/06/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-677	03/08/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-677	05/25/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-677	12/06/88	G-ALPHA		0.17000	BQ/L	0.1000
fl-677	03/08/89	G-ALPHA		-0.01000	BQ/L	0.0100
fl-677	05/25/89	G-ALPHA		0.00600	BQ/L	0.0170
fl-677	08/28/89	G-ALPHA		-0.28000	BQ/L	0.0900
fl-677	12/06/88	G-BETA		0.27000	BQ/L	0.1000
fl-677	03/08/89	G-BETA		0.26000	BQ/L	0.2300
fl-677	05/25/89	G-BETA		0.10000	BQ/L	0.0600
fl-677	08/28/89	G-BETA		0.63000	BQ/L	2.1000
fl-677	12/06/88	GA	<	0.30000	MG/L	0.0000
fl-677	05/25/89	GA	<	0.30000	MG/L	0.0000
fl-677	12/06/88	HG	<	0.00010	UG/ML	0.0000
fl-677	03/08/89	HG	<	0.00010	UG/ML	0.0000
fl-677	05/25/89	HG	<	0.00010	UG/ML	0.0000
fl-677	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-677	12/06/88	LI	<	0.20000	MG/L	0.0000
fl-677	03/08/89	LI	<	0.20000	MG/L	0.0000
fl-677	12/06/88	MG		2.40000	MG/L	0.0000
fl-677	03/08/89	MG		1.50000	MG/L	0.0000
fl-677	05/25/89	MG		2.50000	MG/L	0.0000
fl-677	12/06/88	MN		0.05500	MG/L	0.0000
fl-677	03/08/89	MN	<	0.00200	MG/L	0.0000
fl-677	05/25/89	MN		0.09400	MG/L	0.0000
fl-677	12/06/88	MO	<	0.04000	MG/L	0.0000
fl-677	03/08/89	MO	<	0.04000	MG/L	0.0000
fl-677	05/25/89	MO	<	0.04000	MG/L	0.0000
fl-677	12/06/88	NA		3.20000	MG/L	0.0000
fl-677	03/08/89	NA		1.30000	MG/L	0.0000
fl-677	05/25/89	NA	<	2.00000	MG/L	0.0000
fl-677	12/06/88	NI		0.00710	MG/L	0.0000
fl-677	03/08/89	NI	<	0.00500	MG/L	0.0000
fl-677	05/25/89	NI	<	0.00600	MG/L	0.0000
fl-677	12/06/88	NITRATE	<	5.00000	MG/L	0.0000
fl-677	03/08/89	NITRATE	<	5.00000	MG/L	0.0000
fl-677	05/25/89	NITRATE	<	5.00000	UG/ML	0.0000
fl-677	12/06/88	P	<	0.30000	MG/L	0.0000
fl-677	03/08/89	P	<	0.30000	MG/L	0.0000
fl-677	05/25/89	P	<	0.30000	MG/L	0.0000
fl-677	12/06/88	PB	<	0.05000	MG/L	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-677	03/08/89	PB	<	0.05000	MG/L	0.0000
fl-677	05/25/89	PB	<	0.03000	MG/L	0.0000
fl-677	12/06/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-677	03/08/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-677	05/25/89	PHOSPHATE	<	5.00000	UG/ML	0.0000
fl-677	12/06/88	SB	<	0.03000	MG/L	0.0000
fl-677	03/08/89	SB	<	0.03000	MG/L	0.0000
fl-677	05/25/89	SB	<	0.04000	MG/L	0.0000
fl-677	12/06/88	SE	<	0.00500	UG/ML	0.0000
fl-677	03/08/89	SE	<	0.00500	UG/ML	0.0000
fl-677	05/25/89	SE	<	0.00500	UG/ML	0.0000
fl-677	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-677	12/06/88	SI		3.70000	MG/L	0.0000
fl-677	03/08/89	SI		4.10000	MG/L	0.0000
fl-677	05/25/89	SI		4.30000	MG/L	0.0000
fl-677	12/06/88	SN	<	0.05000	MG/L	0.0000
fl-677	03/08/89	SN	<	0.05000	MG/L	0.0000
fl-677	05/25/89	SN	<	0.05000	MG/L	0.0000
fl-677	12/06/88	SR		0.07600	MG/L	0.0000
fl-677	05/25/89	SR		0.05600	MG/L	0.0000
fl-677	12/06/88	SULFATE		11.00000	MG/L	0.0000
fl-677	03/08/89	SULFATE		9.60000	MG/L	0.0000
fl-677	05/25/89	SULFATE		6.80000	MG/L	0.0000
fl-677	12/06/88	TI	<	0.02000	MG/L	0.0000
fl-677	03/08/89	TI		0.02700	MG/L	0.0000
fl-677	05/25/89	TI	<	0.02000	MG/L	0.0000
fl-677	12/06/88	TOC		1.10000	UG/ML	0.0000
fl-677	03/08/89	TOC	<	0.50000	UG/ML	0.0000
fl-677	05/25/89	TOC		1.50000	UG/ML	0.0000
fl-677	08/28/89	TOC		2.30000	UG/ML	0.0000
fl-677	12/06/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-677	03/08/89	TOTAL URANIUM		0.00300	MG/L	0.0000
fl-677	05/25/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
fl-677	12/06/88	TOX	<	5.00000	UG/L	0.0000
fl-677	03/08/89	TOX		44.00000	UG/L	0.0000
fl-677	05/25/89	TOX		5.80000	UG/L	0.0000
fl-677	12/06/88	TRITIUM		8.00000	BQ/L	44.0000
fl-677	03/08/89	TRITIUM		23.00000	BQ/L	32.0000
fl-677	05/25/89	TRITIUM		21.00000	BQ/L	30.0000
fl-677	08/28/89	TRITIUM		17.00000	BQ/L	29.0000
fl-677	12/06/88	V	<	0.00400	MG/L	0.0000
fl-677	03/08/89	V		0.01300	MG/L	0.0000
fl-677	05/25/89	V	<	0.00400	MG/L	0.0000
fl-677	12/06/88	ZN		0.02600	MG/L	0.0000
fl-677	03/08/89	ZN		0.02600	MG/L	0.0000
fl-677	05/25/89	ZN		0.02200	MG/L	0.0000
fl-677	12/06/88	ZR	<	0.02000	MG/L	0.0000

Table 3.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-677	03/08/89	ZR	<	0.02000	MG/L	0.0000
fl-677	05/25/89	ZR	<	0.02000	MG/L	0.0000

*Explanation of data qualifiers (QL): "U" indicates compound was analyzed for but not detected. "J" indicates that the quantitative value is estimated. "B" appears for a compound that was detected in both the sample and its associated blank. "E" indicates that the reported concentration of the compound exceeded the calibration range of the instrument.

**The uncertainty value was determined only for the radiological parameters and is a measure of decay counting statistics for the analyses.

Table 3.14. Water elevation in wells
for Bear Creek Model Validation site, FY89*
(quarters 1 and 2)
(feet above sea level)

Well ID	Dec 22 1988	Jan 5 1989	Jan 24 1989	Feb 9 1989	Mar 2 1989	Mar 17 1989
gw471	855.16	856.79	856.58	856.96	857.47	856.52
gw473	854.84	858.00	857.72	858.43	859.17	857.65
gw474	853.77	855.34	855.16	855.66	856.40	855.77
gw475a	855.15	857.14	856.93	0.00	870.17	870.17
gw475b	853.98	855.46	855.28	0.00	870.67	870.67
gw475c	853.54	854.69	854.33	854.80	855.37	854.61
gw476a	855.90	858.10	857.82	0.00	871.83	871.83
gw476b	854.52	856.38	856.24	0.00	872.69	872.69
gw476c	0.00	854.72	856.18	855.41	856.86	856.61
gw477a	855.85	858.10	857.80	0.00	870.10	870.10
gw477b	853.46	854.87	854.67	0.00	870.72	870.72
gw477c	853.33	854.51	855.45	854.99	855.98	855.44
gw478a	855.43	857.53	857.25	0.00	865.17	865.17
gw478b	853.55	854.85	854.68	0.00	865.37	865.37
gw478c	852.84	853.85	853.58	854.93	854.50	853.61
gw479	854.14	860.75	855.48	856.12	856.98	856.32
gw480a	853.46	854.74	854.52	0.00	871.25	871.25
gw480b	853.17	854.39	854.11	0.00	871.90	871.90
gw480c	0.00	854.38	854.06	854.55	855.03	854.23
gw481a	853.54	854.91	854.80	0.00	871.10	871.10
gw481b	853.57	854.92	854.61	0.00	870.47	870.47
gw481c	0.00	854.88	854.69	854.99	855.60	854.96
gw482a	853.93	855.40	855.21	0.00	871.15	871.15
gw482b	853.69	855.14	854.96	0.00	871.43	871.43
gw482c	0.00	854.35	855.37	854.71	855.89	855.55
gw483	855.24	856.98	856.83	857.36	858.21	859.64
gw484	853.87	855.38	855.22	855.71	856.42	856.19
gw485	852.73	853.75	853.45	853.89	854.48	853.56
gw486	852.69	853.48	853.24	853.58	854.00	853.42
gw487	852.80	853.69	853.46	853.81	854.24	853.53
gw488	852.56	853.29	856.38	853.30	853.61	852.99
gw489	852.46	853.38	853.20	853.57	854.04	853.16
gw490	852.31	853.07	852.87	853.20	853.59	852.90
gw491	852.59	853.35	853.13	853.44	853.83	853.24
gw492	852.14	852.73	852.44	852.76	853.09	852.47
gw493	852.64	853.43	853.21	853.54	853.93	853.29
gw494	852.55	853.31	853.09	853.40	853.78	853.17
gw495	849.37	849.21	849.06	849.25	849.46	848.97
gw496	849.18	849.04	848.97	849.12	849.30	848.96
gw497	850.03	849.87	849.78	850.00	850.14	849.66
gw498	850.33	850.17	850.03	850.24	850.33	850.03
gw499	849.59	849.33	849.14	849.36	849.38	849.17

Table 3.14 (continued)

Well ID	Dec 22 1988	Jan 5 1989	Jan 24 1989	Feb 9 1989	Mar 3 1989	Mar 17 1989
gw499a	849.33	849.09	848.93	849.16	849.35	848.79
gw499b	850.19	850.10	849.68	850.06	850.41	849.85
gw499c	848.31	848.16	847.81	848.46	848.95	848.21
gw499d	846.99	846.98	846.79	847.23	847.80	846.92
gw499e	847.79	847.91	847.70	848.01	848.48	847.87
gw499f	850.74	850.78	851.54	851.67	850.51	850.62
gw499g	851.87	852.14	851.89	852.08	852.37	851.87
gw499h	851.94	852.21	851.93	852.21	852.44	851.92
gw499i	851.94	852.21	851.79	852.19	852.42	851.82
gw499j	851.92	852.19	851.86	852.17	852.42	851.79
gw499k	852.30	852.89	852.58	852.88	853.19	852.55
gw499l	852.14	852.66	852.45	852.75	853.07	852.42
gw499m	852.37	852.88	852.61	852.90	853.17	852.64
gw499n	852.22	852.68	852.41	852.70	852.98	852.40
gw499o	852.17	852.61	852.30	852.61	852.90	852.28
gw499p	852.10	852.52	852.20	852.53	852.81	851.99

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 3.15. Water elevation in wells for
Bear Creek Model Validation site, FY89*
(quarters 3 and 4)
(feet above sea level)

Well ID	Apr 6 1989	Apr 27 1989	May 19 1989	Jun 6 1989	Jun 15 1989	Jul 7 1989	Aug 1 1989	Sep 4 1989
gw471	857.65	853.94	856.31	856.43	857.86	857.13	856.05	855.46
gw473	859.35	856.99	857.31	857.34	860.08	858.42	856.70	856.17
gw474	857.05	855.18	855.35	855.40	857.35	856.04	854.60	854.00
gw475a	857.96	856.23	856.56	856.47	858.24	857.12	856.07	855.50
gw475b	857.07	855.15	855.31	855.21	856.82	856.03	854.62	854.04
gw475c	855.20	855.07	854.20	854.58	856.15	855.10	854.20	853.55
gw476a	859.36	857.04	857.36	857.24	859.96	858.38	856.70	856.22
gw476b	858.28	854.62	856.59	856.54	859.23	857.72	856.08	855.69
gw476c	856.25	855.33	855.55	855.25	856.12	856.30	855.07	854.30
gw477a	859.44	857.01	857.35	857.19	860.25	858.38	856.66	856.15
gw477b	855.96	854.25	854.48	854.63	856.97	855.24	854.06	853.47
gw477c	855.76	855.05	855.33	855.13	855.85	855.49	854.93	854.30
gw478a	858.85	856.59	856.85	856.72	859.10	857.80	856.21	0.00
gw478b	856.25	854.38	854.52	854.65	856.44	855.24	854.02	853.47
gw478c	854.52	853.32	853.54	853.72	854.93	854.46	853.22	853.04
gw479	856.98	855.30	855.60	855.69	857.56	856.73	855.12	854.57
gw480a	855.79	854.28	854.53	854.69	856.20	855.40	854.12	853.61
gw480b	855.24	855.46	854.06	854.43	855.86	855.03	853.96	853.31
gw480c	854.95	853.70	854.01	853.91	855.37	854.76	853.50	853.36
gw481a	856.51	854.77	854.91	854.89	857.03	855.61	854.33	853.85
gw481b	856.21	853.64	854.76	854.92	856.81	855.73	854.44	853.86
gw481c	855.81	854.49	854.74	854.77	855.97	855.49	854.31	0.00
gw482a	856.99	855.25	855.43	855.47	857.30	856.40	854.79	854.37
gw482b	856.52	854.90	855.14	855.17	857.13	855.96	854.63	854.05
gw482c	854.39	854.57	854.86	854.67	855.39	855.39	854.54	0.00
gw483	859.01	857.02	857.30	857.37	859.63	858.49	856.86	856.22
gw484	856.91	855.14	855.42	855.52	857.43	856.45	855.03	854.44
gw485	854.45	853.19	853.39	854.14	855.25	854.30	853.55	852.80
gw486	854.13	852.97	853.16	853.55	854.62	853.89	853.07	852.72
gw487	854.41	853.19	853.21	853.57	854.87	854.11	853.26	852.89
gw488	853.62	852.68	852.86	853.20	854.17	853.48	852.78	852.57
gw489	854.20	852.88	853.00	853.15	855.01	853.68	852.93	852.33
gw490	853.67	852.50	852.70	852.92	854.39	853.51	852.70	852.11
gw491	853.96	852.83	853.03	853.23	854.64	853.87	852.96	852.44
gw492	853.14	852.13	852.34	852.76	853.84	853.25	852.64	852.13
gw493	854.07	852.93	852.99	853.33	854.58	853.80	853.16	852.67
gw494	853.89	852.77	852.98	853.20	854.44	853.83	852.89	852.39
gw495	849.51	848.74	848.79	849.63	850.42	849.55	849.66	848.34
gw496	849.38	848.66	848.70	849.51	849.87	849.34	849.30	848.30
gw497	850.21	849.58	849.67	850.33	850.98	850.28	850.18	849.41
gw498	850.54	849.91	850.19	850.78	851.15	850.72	850.80	850.14
gw499	849.83	849.01	849.26	850.19	850.46	849.99	850.16	849.23
gw499a	849.41	848.59	848.68	849.43	850.01	849.36	850.34	848.27

Table 3.15 (continued)

Well ID	Apr 6 1989	Apr 27 1989	May 19 1989	Jun 6 1989	Jun 15 1989	Jul 7 1989	Aug 1 1989	Sep 4 1989
gw499aa	850.57	839.10	849.11	850.97	850.98	850.81	850.49	848.79
gw499ab	0.00	0.00	0.00	848.77	849.40	848.42	848.61	847.34
gw499ac	0.00	842.54	841.58	843.57	842.83	842.12	843.09	840.75
gw499ad	0.00	841.41	841.45	842.71	842.39	841.58	842.38	840.94
gw499ae	0.00	842.80	841.92	843.07	842.84	842.55	842.98	840.95
gw499af	0.00	842.09	842.21	843.09	843.06	842.78	843.06	841.46
gw499b	850.72	849.71	850.04	850.48	851.46	850.93	850.33	849.72
gw499c	849.39	848.08	848.43	848.99	850.17	849.65	848.64	848.11
gw499d	847.53	846.69	846.93	847.27	848.04	847.76	846.98	846.69
gw499e	848.35	847.48	847.70	848.26	848.97	848.78	848.08	847.50
gw499f	851.06	851.06	851.90	851.08	851.56	851.57	850.98	850.54
gw499g	852.42	851.61	851.79	852.25	853.12	852.51	852.13	851.56
gw499h	852.52	851.67	851.92	852.43	853.16	852.75	852.35	851.78
gw499i	852.50	851.62	851.86	852.58	853.16	852.78	852.35	851.72
gw499j	852.49	851.58	851.82	852.63	853.16	852.78	852.18	851.69
gw499k	853.23	852.24	852.46	852.67	853.98	853.27	852.45	852.16
gw499l	853.10	852.06	852.24	852.45	853.79	852.88	852.35	851.76
gw499m	853.27	852.34	852.53	852.81	853.88	853.23	852.62	852.13
gw499n	853.06	852.12	852.33	852.83	853.65	853.20	852.44	852.11
gw499o	852.95	852.00	852.22	852.64	853.54	852.96	852.38	852.01
gw499p	852.81	851.89	852.10	852.76	853.46	852.89	852.31	851.73
gw499q	851.50	850.58	850.74	851.25	847.26	851.62	850.91	850.41
gw499r	849.66	848.83	848.99	849.49	850.42	849.85	849.31	848.91
gw499s	860.43	855.75	856.24	857.34	861.68	859.53	855.52	855.24
gw499t	863.40	860.37	860.87	860.69	864.69	862.45	860.06	859.32
gw499u	854.63	853.09	853.09	853.41	855.75	854.11	857.96	852.41
gw499v	858.18	855.91	856.26	856.34	860.23	857.52	855.66	855.01
gw499w	0.00	848.50	848.62	849.49	849.88	849.16	849.21	848.17
gw499x	858.51	856.51	856.85	856.78	859.51	858.12	856.45	855.77
gw499y	860.32	859.41	859.84	860.37	860.44	860.41	861.30	858.63
gw499z	864.54	858.52	863.60	864.56	864.71	864.78	864.08	863.05

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 3.16. Statistical water-elevation data by well ID for the Bear Creek Model Validation Site December 1988 - September 1989 (feet mean sea level)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
gw471	857.86	853.94	3.92	856.45
gw473	860.08	854.84	5.24	857.73
gw474	857.35	853.77	3.58	855.51
gw475a	870.17	855.15	15.02	858.75
gw475b	870.67	853.98	16.69	857.72
gw475c	856.15	853.54	2.61	854.67
gw476a	871.83	855.90	15.93	859.83
gw476b	872.69	854.52	18.17	859.02
gw476c	856.86	854.30	2.56	855.69
gw477a	870.10	855.85	14.25	859.57
gw477b	870.72	853.46	17.26	857.19
gw477c	855.98	853.33	2.65	855.11
gw478a	865.17	855.43	9.74	858.56
gw478b	865.37	853.47	11.90	856.37
gw478c	854.93	852.84	2.09	853.86
gw479	860.75	854.14	6.61	856.24
gw480a	871.25	853.46	17.79	857.22
gw480b	871.90	853.17	18.73	857.14
gw480c	855.37	853.36	2.01	854.29
gw481a	871.10	853.54	17.56	857.49
gw481b	870.47	853.57	16.90	857.26
gw481c	855.97	854.31	1.66	855.06
gw482a	871.15	853.93	17.22	857.91
gw482b	871.43	853.69	17.74	857.70
gw482c	855.89	854.35	1.54	854.97
gw483	859.64	855.24	4.40	857.58
gw484	857.43	853.87	3.56	855.65
gw485	855.25	852.73	2.52	853.78
gw486	854.62	852.69	1.93	853.47
gw487	854.87	852.80	2.07	853.65
gw488	856.38	852.56	3.82	853.39
gw489	855.01	852.33	2.68	853.36
gw490	854.39	852.11	2.28	853.03
gw491	854.64	852.44	2.20	853.32
gw492	853.84	852.13	1.71	852.70
gw493	854.58	852.64	1.94	853.40
gw494	854.44	852.39	2.05	853.26
gw495	850.42	848.34	2.08	849.28
gw496	849.87	848.30	1.57	849.12
gw497	850.98	849.41	1.57	850.01
gw498	851.15	849.91	1.24	850.38
gw499	850.46	849.01	1.45	849.58

Table 3.16 (continued)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
gw499a	850.34	848.27	2.07	849.20
gw499aa	850.98	839.10	11.88	848.85
gw499ab	849.40	847.34	2.06	848.51
gw499ac	843.57	840.75	2.82	842.35
gw499ad	842.71	840.94	1.77	841.84
gw499ae	843.07	840.95	2.12	842.44
gw499af	843.09	841.46	1.63	842.54
gw499b	851.46	849.68	1.78	850.26
gw499c	850.17	847.81	2.36	848.67
gw499d	848.04	846.69	1.35	847.19
gw499e	848.97	847.48	1.49	848.06
gw499f	851.90	850.51	1.39	851.12
gw499g	853.12	851.56	1.56	852.12
gw499h	853.16	851.67	1.49	852.23
gw499i	853.16	851.62	1.54	852.21
gw499j	853.16	851.58	1.58	852.19
gw499k	853.98	852.16	1.82	852.78
gw499l	853.79	851.76	2.03	852.58
gw499m	853.88	852.13	1.75	852.81
gw499n	853.65	852.11	1.54	852.65
gw499o	853.54	852.00	1.54	852.54
gw499p	853.46	851.73	1.73	852.44
gw499q	851.62	847.26	4.36	850.53
gw499r	850.42	848.83	1.59	849.43
gw499s	861.68	855.24	6.44	857.72
gw499t	864.69	859.32	5.37	861.48
gw499u	857.96	852.41	5.55	854.31
gw499v	860.23	855.01	5.22	856.89
gw499w	849.88	848.17	1.71	849.00
gw499x	859.51	855.77	3.74	857.31
gw499y	861.30	858.63	2.67	860.09
gw499z	864.78	858.52	6.26	863.48

*Comments: If the water elevation is listed as zero (0.00), then no data were collected during any sample collections. Data are compiled from 14 different collection dates.

4. WEST CHESTNUT RIDGE

The LLWDDD West Chestnut Ridge site is located west of the ORNL main facilities (Fig. 1.1). The site consists of three tracts, totalling about 150 acres. Only a portion of the land is potentially feasible for development of low-level waste disposal facilities. The wells and surface water flumes included in the data collection for the West Chestnut Ridge site are listed in Table 1.3. The sites for measuring precipitation and surface water discharge volumes are given in Tables 1.4 and 1.5.

4.1 GROUNDWATER

4.1.1 Water Table Elevations

Because the data package published at the end of FY88 did not include water-elevation data for May-September, these data are provided in Table 4.1. Statistical data for this period are provided in Table 4.2. Graphic displays of 1988 data for selected wells are presented in Fig. 4.1.

The depth to water for the West Chestnut Ridge wells listed in Table 1.3 has been measured on 14 dates in FY89. Elevations of water in the wells on each of these dates are presented in Tables 4.3 and 4.4. The maximum, minimum, and average water elevations and the fluctuation range for each well for FY89 are given in Table 4.5. Graphic displays of 1989 data for selected wells are presented in Fig. 4.3.

4.1.2 Groundwater Quality

Groundwater from selected wells at West Chestnut Ridge is sampled and analyzed for water quality parameters once per quarter (see Sect. 1.4). This report contains field sampling data and chemical analysis data obtained during all four quarters of FY89. Field parameters obtained during the sampling process are given in Table 4.6. Data from the chemical analysis of the samples are given in Table 4.7.

4.2 SURFACE WATER

4.2.1 Precipitation

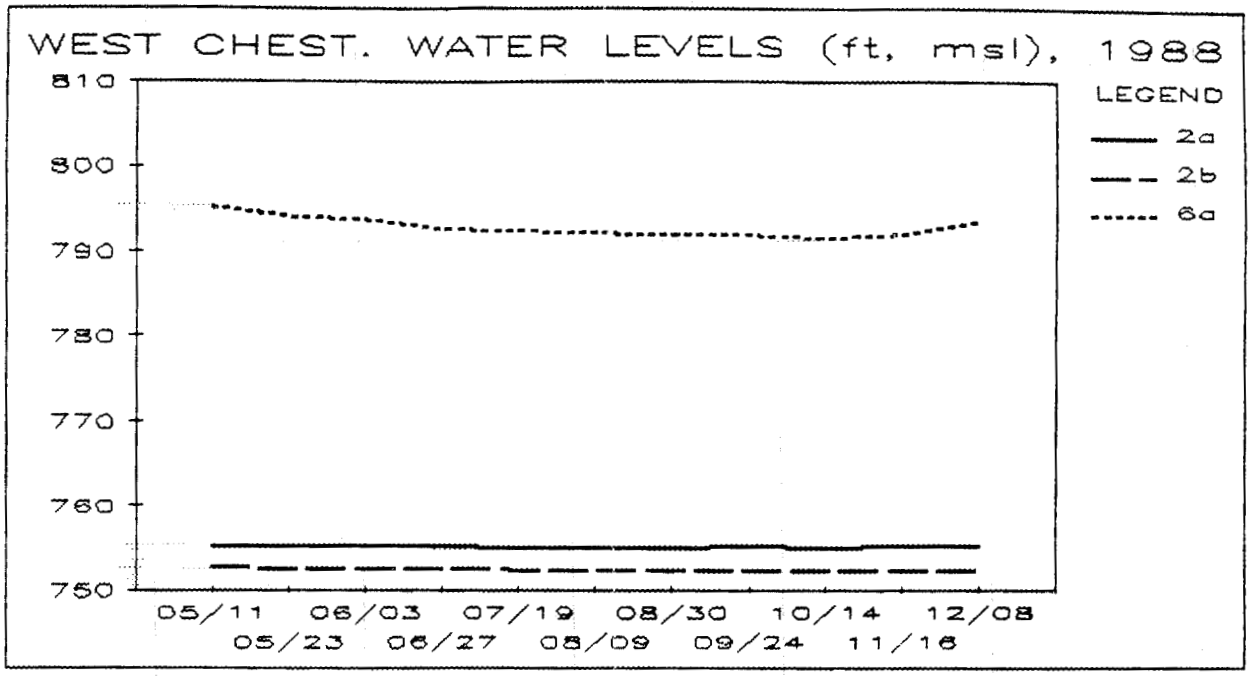
Precipitation data for the rain gauge on Ish Creek for calendar year 1988 are presented in Table 4.8 and Fig. 4.2. Precipitation data for January-August of calendar year 1989 are presented in Table 4.9 and Fig. 4.4.

4.2.2 Surface Water Discharge

Surface water discharge data for five collection points on the West Chestnut Ridge site during calendar year 1988 are included in Table 4.10; Fig. 4.2 shows the discharge at the CWDF1 collection station. Data for the same five collection points during January-September of calendar year 1989 are shown in Table 4.11. The 1989 surface water discharge values for the CWDF1 station are shown in Fig. 4.4.

4.2.3 Surface Water Quality

As with the groundwater quality data collection effort, samples are collected once per quarter. The field data collected during all four quarters of FY89 sampling are given in Table 4.12. Chemical parameters for the same time period are reported in Table 4.13.



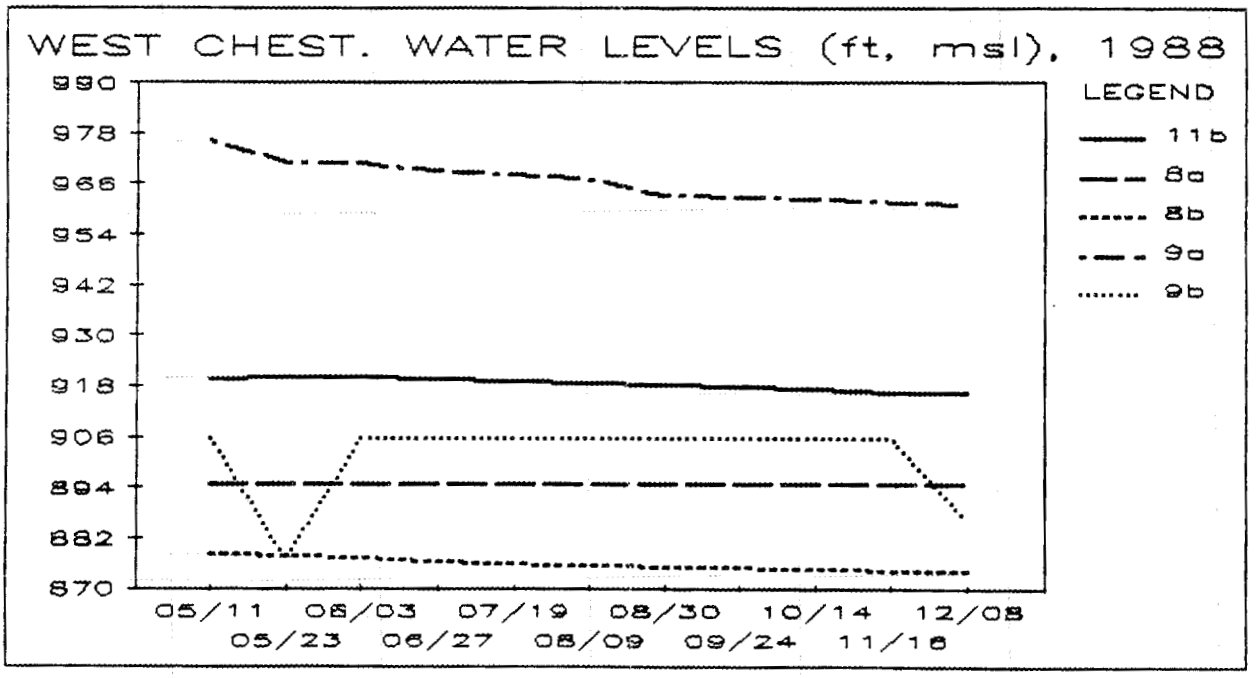
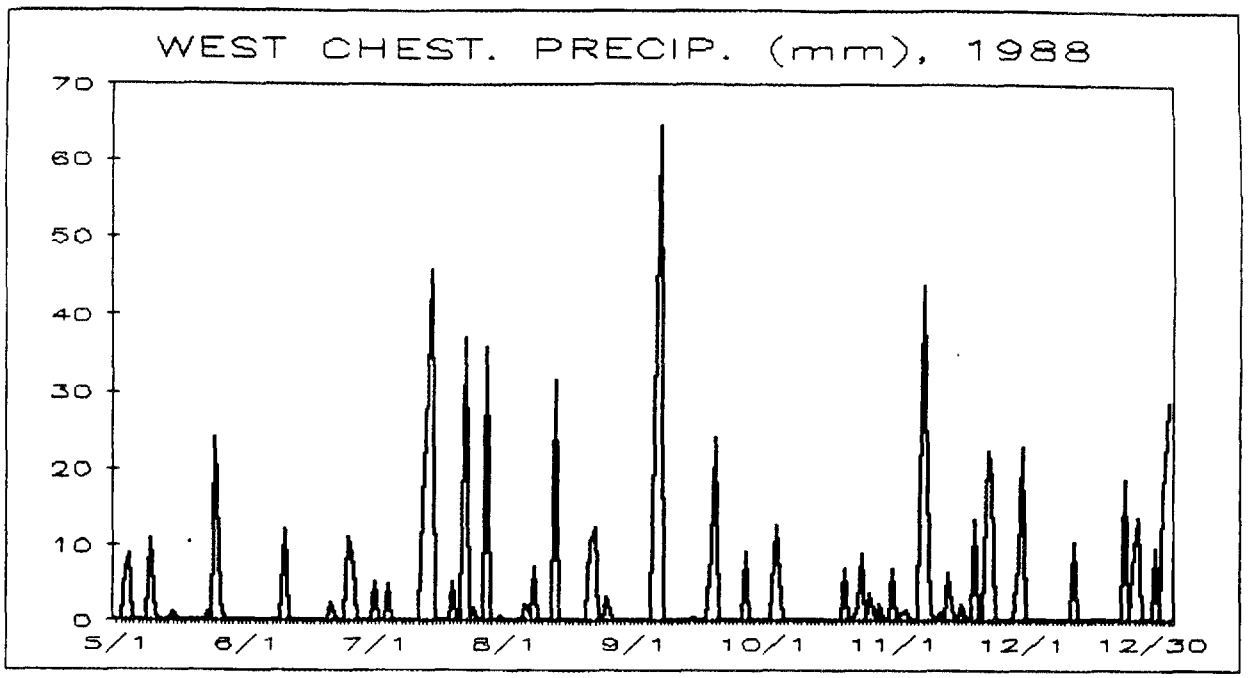


Fig. 4.1. Water elevations (feet above sea level) in selected wells for the West Chestnut Ridge site, 1988 calendar year.



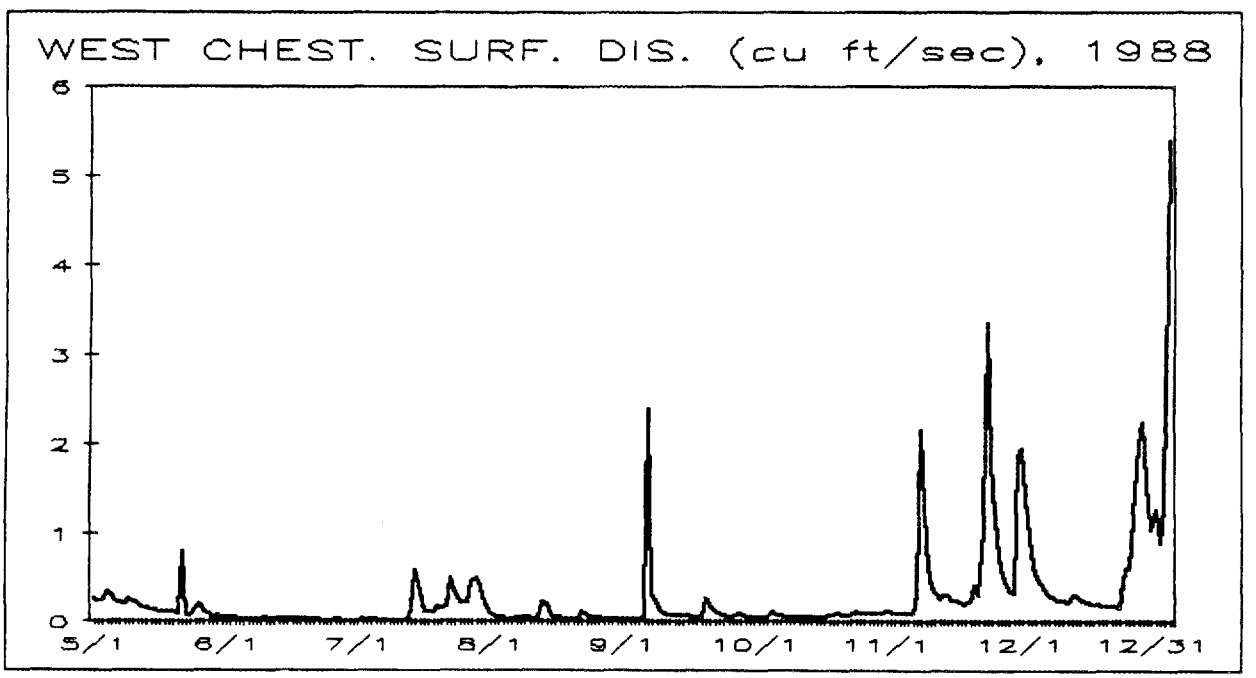
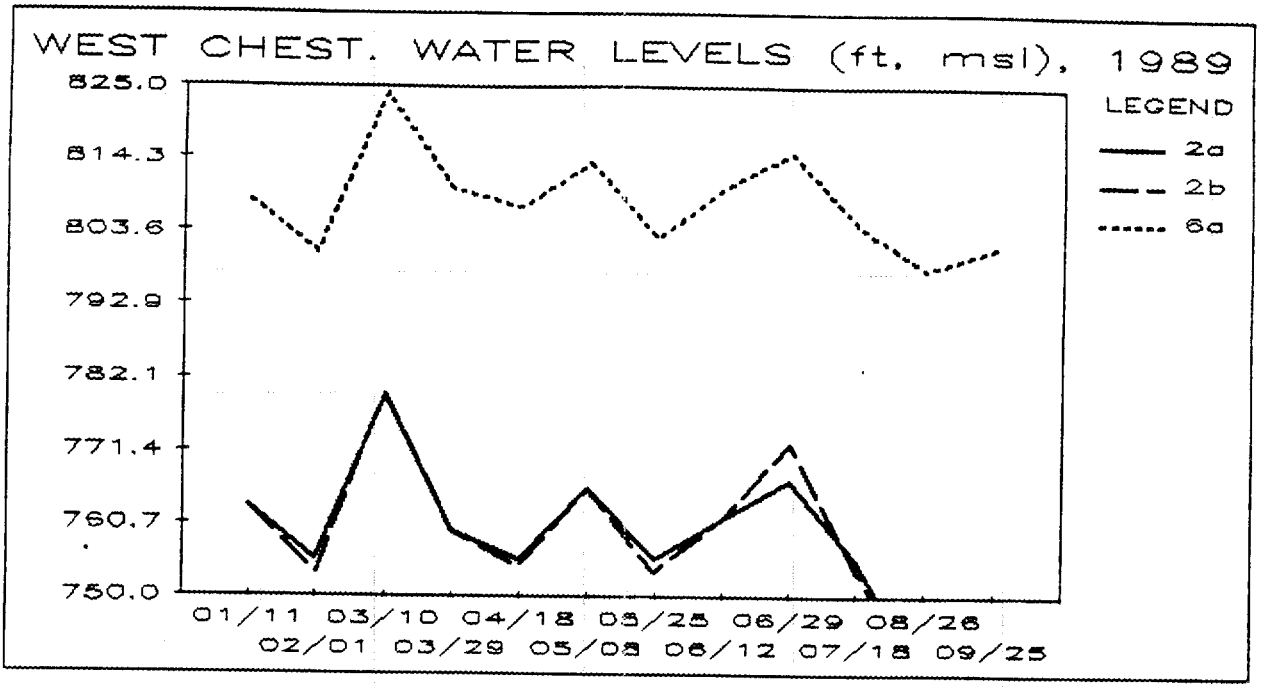


Fig. 4.2. A comparison of precipitation (mm) at the ISH collection station and surface water discharge (cu ft/sec) at the CWDF1 discharge station for the West Chestnut Ridge site, 1988 calendar year.



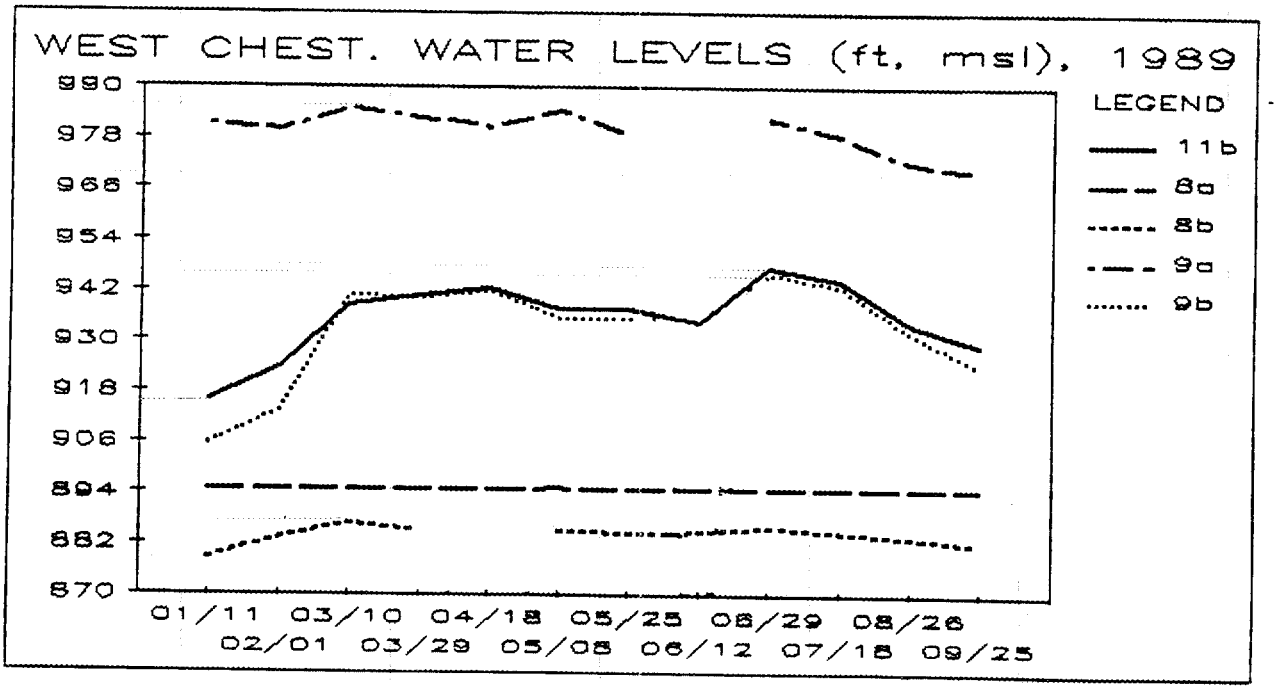
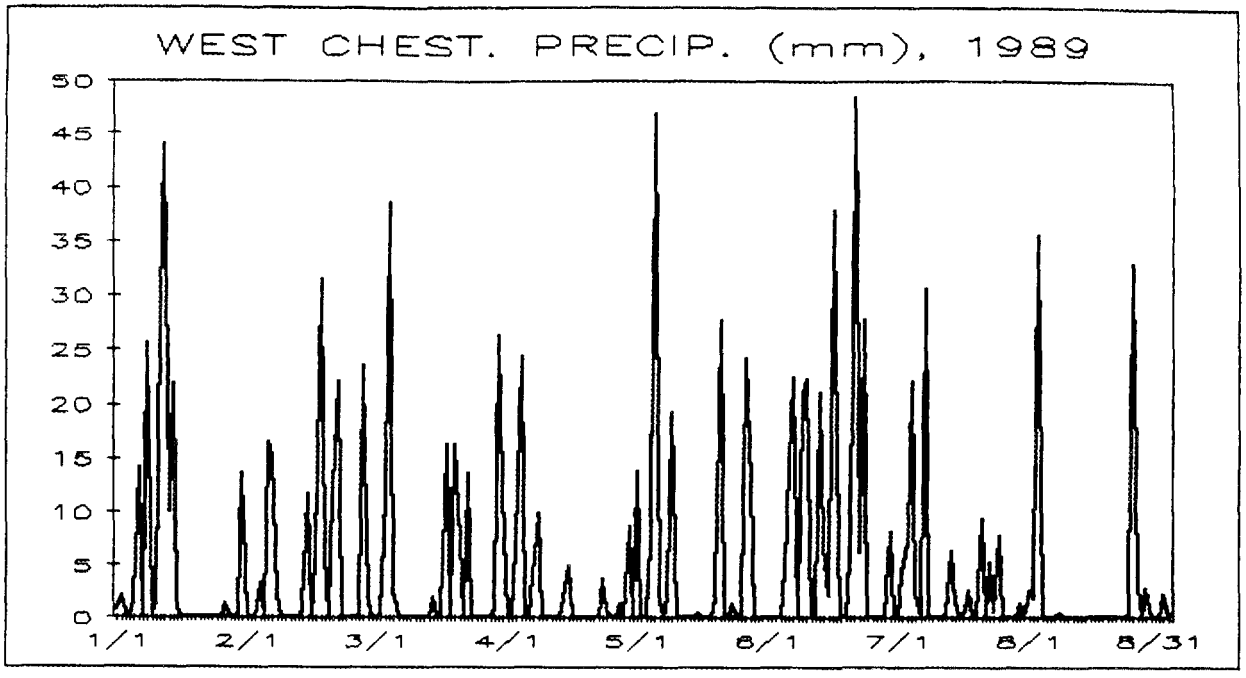


Fig. 4.3. Water elevations (feet above sea level) in selected wells for the West Chestnut Ridge site, 1989 calendar year.



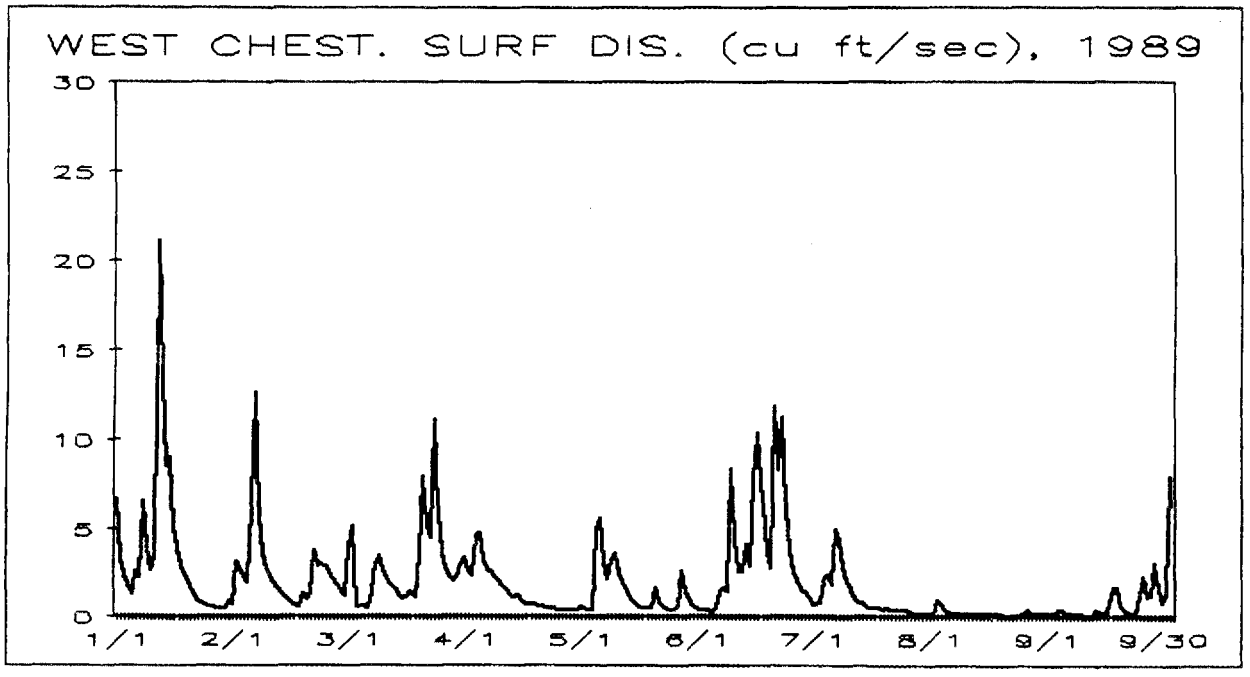


Fig. 4.4. A comparison of precipitation (mm) at the ISH collection station and surface water discharge (cu ft/sec) at the CWDF1 discharge station for the West Chestnut Ridge site, 1989 calendar year.

Table 4.1. Water elevation in wells for
West Chestnut Ridge site, May - September 1988*
(feet above sea level)

Well ID	May 11 1988	May 23 1988	Jun 3 1988	Jun 27 1988	Jul 19 1988	Aug 9 1988	Aug 30 1988	Sep 24 1988
11a	956.93	956.92	956.90	956.85	956.83	956.81	956.81	956.81
11b	919.51	919.80	919.82	919.44	919.00	918.51	918.06	917.59
12a	907.56	906.26	905.32	903.88	903.07	902.42	901.80	901.12
19a	981.76	981.73	981.70	981.59	981.50	981.40	981.33	981.39
19b	909.49	909.21	908.88	907.84	906.88	906.06	905.36	904.61
2a	755.15	755.12	755.10	755.03	755.01	754.98	754.95	755.02
2b	752.62	752.49	752.42	752.32	752.30	752.28	752.25	752.22
4a	789.89	789.88	789.87	0.00	789.86	789.84	789.83	789.83
4b	765.79	764.74	764.39	0.00	0.00	0.00	0.00	762.63
6a	795.12	793.97	793.52	792.50	792.21	791.97	791.77	791.75
6b	794.91	793.82	813.34	792.37	792.06	791.81	791.62	791.54
7a	919.21	917.70	916.07	913.07	911.07	909.63	908.42	908.31
7b	889.02	888.25	887.67	886.50	885.75	885.26	884.77	884.42
8a	894.59	894.60	894.59	894.58	894.58	894.57	894.56	894.53
8b	878.18	877.58	877.08	876.20	875.62	875.25	875.05	874.73
9a	975.95	970.90	970.51	968.76	968.07	966.73	963.09	962.75
9b	905.49	876.72	905.49	905.49	905.49	905.47	905.46	905.44
cl-1a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-1b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-1c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-1d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-2a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-2b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-2c	1029.98	1029.84	1029.66	1028.93	1028.74	0.00	0.00	0.00
cl-2d	1013.97	1013.87	1013.76	1013.11	0.00	0.00	0.00	0.00
cl-3a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-3b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-3c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-3d	988.46	988.12	987.74	985.83	983.76	0.00	0.00	0.00
cl-4a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-4b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-4c	979.31	979.30	0.00	0.00	0.00	0.00	0.00	0.00
cl-4d	972.55	972.02	971.52	970.77	970.14	969.69	969.29	0.00
cl-5a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-5b	969.44	969.46	969.40	0.00	0.00	0.00	0.00	0.00
cl-5c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-5d	948.75	948.24	947.36	0.00	0.00	0.00	0.00	0.00
wcr-2	808.66	807.35	806.96	805.75	804.65	803.34	802.25	802.49
wcr-5	839.42	838.64	838.09	836.64	835.52	834.07	833.24	832.22

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 4.2. Statistical water-elevation data by well ID for West Chestnut Ridge site, May - September 1988 (feet mean sea level)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
11a	956.93	956.81	0.12	956.86
11b	919.82	917.59	2.23	918.97
12a	906.26	901.12	5.14	903.93
19a	981.73	981.33	0.40	981.55
19b	909.21	904.61	4.60	907.29
2a	755.12	754.95	0.17	755.05
2b	752.49	752.22	0.27	752.36
4a	789.88	789.83	0.05	789.86
4b	764.74	762.63	2.11	764.39
6a	793.97	791.75	2.22	792.85
6b	813.34	791.54	21.80	795.18
7a	917.70	908.31	9.39	912.94
7b	888.25	884.42	3.83	886.45
8a	894.60	894.53	0.07	894.57
8b	877.58	874.73	2.85	876.21
9a	970.90	962.75	8.15	968.35
9b	905.49	876.72	28.77	901.88
cl-1a	0.00	0.00	0.00	0.00
cl-1b	0.00	0.00	0.00	0.00
cl-1c	0.00	0.00	0.00	0.00
cl-1d	0.00	0.00	0.00	0.00
cl-2a	0.00	0.00	0.00	0.00
cl-2b	0.00	0.00	0.00	0.00
cl-2c	1029.84	1028.74	1.10	1029.43
cl-2d	1013.87	1013.11	0.76	1013.68
cl-3a	0.00	0.00	0.00	0.00
cl-3b	0.00	0.00	0.00	0.00
cl-3c	0.00	0.00	0.00	0.00
cl-3d	988.12	983.76	4.36	986.78
cl-4a	0.00	0.00	0.00	0.00
cl-4b	0.00	0.00	0.00	0.00
cl-4c	979.30	979.30	0.00	979.30
cl-4d	972.02	969.29	2.73	970.85
cl-5a	0.00	0.00	0.00	0.00
cl-5b	969.46	969.40	0.06	969.43
cl-5c	0.00	0.00	0.00	0.00
cl-5d	948.24	947.36	0.88	948.12
wcr-2	807.35	802.25	5.10	805.18
wcr-5	838.64	832.22	6.42	835.98

*Comments: If the water elevation is listed as zero (0.00), then no data were collected during any sample collections.

Table 4.3. Water elevation in wells for West Chestnut Ridge site, FY89*
(quarters 1 and 2)
(feet above sea level)

Well ID	Oct 14 1988	Nov 16 1988	Dec 8 1988	Jan 11 1989	Feb 1 1989	Mar 10 1989	Mar 29 1989
10a	0.00	887.03	887.01	890.23	888.90	891.87	890.10
10b	0.00	0.00	0.00	0.00	851.52	862.96	0.00
11a	956.77	956.74	0.00	962.17	958.17	963.35	958.88
11b	917.23	916.44	916.05	915.70	923.24	938.36	940.50
12a	900.28	899.49	898.90	917.51	919.91	925.92	925.97
13a	0.00	891.87	891.83	891.84	891.82	897.85	901.03
13b	0.00	882.36	882.29	884.85	891.42	899.60	900.43
14a	0.00	951.32	951.13	953.51	955.06	958.91	956.83
14b	0.00	893.23	893.22	895.86	900.13	907.73	907.53
15a	0.00	893.33	895.74	904.90	908.62	919.77	912.86
15b	0.00	893.29	895.62	904.89	908.39	919.53	912.73
16a	0.00	0.00	0.00	905.55	906.18	910.05	910.05
16b	0.00	902.33	902.01	902.49	904.54	907.04	908.45
19a	981.35	0.00	981.37	981.29	0.00	0.00	0.00
19b	904.01	903.06	903.44	898.31	0.00	934.18	936.19
1a	0.00	804.01	805.06	805.57	805.18	805.86	805.70
1b	0.00	805.82	806.89	807.47	807.05	807.43	807.39
20a	0.00	852.24	852.09	864.81	866.96	888.08	880.61
20b	0.00	856.81	856.34	856.98	865.18	873.41	875.57
2a	754.86	755.13	755.09	763.03	755.20	779.17	759.46
2b	752.20	752.22	752.25	763.04	753.36	779.55	759.47
3a	0.00	820.56	819.88	823.11	826.00	0.00	830.73
3b	0.00	816.24	816.08	818.04	821.34	0.00	825.09
4a	789.75	789.82	779.81	0.00	789.97	809.67	789.95
4b	761.32	762.42	763.44	780.96	769.63	807.50	778.00
5a	0.00	0.00	0.00	0.00	0.00	879.72	879.12
5b	0.00	845.99	845.87	846.83	848.79	852.87	852.75
6a	791.31	791.80	793.23	807.98	800.47	823.89	809.71
7a	908.28	908.30	908.29	922.75	925.96	932.83	929.09
7b	883.90	883.50	884.18	891.39	897.46	910.84	906.31
8a	894.45	894.52	894.49	894.59	894.58	894.56	894.66
8b	874.45	874.08	874.04	878.34	883.07	886.63	885.00
9a	962.16	961.49	960.74	980.94	979.67	984.71	982.63
9b	905.39	905.46	886.14	905.43	913.16	940.53	940.00
cl-1a	0.00	0.00	0.00	1053.68	0.00	1053.46	1053.20
cl-1b	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-1c	0.00	0.00	0.00	1039.36	1038.95	1039.00	1038.92
cl-1d	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-2a	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-2b	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-2c	0.00	0.00	0.00	1028.94	1030.14	1031.00	1030.81
cl-2d	0.00	0.00	0.00	1014.24	1015.36	1017.96	1016.50
cl-3a	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 4.3 (continued)

Well ID	Oct 14 1988	Nov 16 1988	Dec 8 1988	Jan 11 1989	Feb 1 1989	Mar 10 1989	Mar 29 1989
cl-3b	0.00	0.00	0.00	1007.19	1007.58	1007.49	1007.37
cl-3c	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-3d	0.00	0.00	0.00	988.05	989.70	991.73	990.88
cl-4a	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-4b	0.00	0.00	0.00	0.00	987.52	987.85	0.00
cl-4c	0.00	0.00	0.00	979.38	0.00	979.34	0.00
cl-4d	0.00	0.00	969.39	968.68	973.45	974.25	973.62
cl-5a	0.00	0.00	0.00	976.85	0.00	0.00	0.00
cl-5b	0.00	0.00	0.00	0.00	969.70	967.54	0.00
cl-5c	0.00	0.00	0.00	0.00	965.63	966.14	965.71
cl-5d	0.00	0.00	0.00	0.00	951.04	956.48	952.27
pw-6	0.00	804.07	799.26	819.32	813.36	833.70	822.91

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 4.4. Water elevation in wells for West Chestnut Ridge site, FY89* (quarters 3 and 4) (feet above sea level)

Well ID	Apr 18 1989	May 8 1989	May 25 1989	Jun 12 1989	Jun 29 1989	Jul 18 1989	Aug 26 1989	Sep 25 1989
10a	889.67	890.36	889.09	889.96	890.93	889.15	888.01	887.78
10b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11a	962.29	964.76	964.42	964.27	965.02	964.13	964.14	964.22
11b	942.27	937.57	937.23	934.13	947.29	944.30	933.82	928.82
12a	925.71	925.81	925.53	926.83	926.37	925.97	921.41	918.01
13a	903.36	901.28	901.11	900.09	907.90	907.34	901.14	897.46
13b	902.05	900.30	899.71	899.59	906.37	905.31	899.54	896.43
14a	956.17	955.52	955.17	955.42	957.47	955.58	953.71	953.20
14b	908.72	908.19	907.67	908.47	913.74	912.76	914.08	907.09
15a	912.36	909.82	908.41	912.93	920.78	915.53	906.79	904.49
15b	912.24	909.79	908.30	912.86	920.53	915.34	906.69	904.42
16a	910.22	910.27	910.69	910.88	913.53	915.26	913.51	911.84
16b	909.80	909.82	910.22	910.42	913.13	914.79	912.97	911.41
19a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19b	937.91	933.41	933.21	930.79	940.47	938.74	930.80	923.27
1a	805.51	805.10	805.26	805.49	805.56	805.34	804.56	804.85
1b	807.18	807.73	806.99	807.36	807.19	807.00	805.94	806.32
20a	878.69	882.00	874.47	884.68	886.00	878.48	870.47	866.91
20b	878.20	877.53	877.86	877.42	882.11	882.12	877.27	873.28
2a	755.22	765.57	755.20	761.19	766.68	755.19	0.00	0.00
2b	754.16	765.78	753.26	761.25	772.11	753.62	0.00	0.00
3a	831.01	831.90	829.88	829.54	835.41	831.64	828.52	827.30
3b	824.92	824.79	823.61	823.24	826.68	824.26	822.16	821.32
4a	789.90	789.92	789.90	789.90	789.90	789.89	789.85	789.86
4b	774.03	783.19	768.92	779.16	782.53	769.92	765.23	766.46
5a	878.84	0.00	876.56	0.00	879.31	876.82	0.00	0.00
5b	852.66	852.48	851.96	851.65	853.32	852.24	850.53	849.50
6a	806.99	813.40	802.45	809.93	814.99	804.18	797.86	801.06
7a	929.50	926.97	925.56	926.73	936.05	931.04	921.22	918.69
7b	906.49	904.11	902.75	904.58	914.16	907.62	899.93	898.12
8a	894.57	894.92	894.55	894.56	894.55	894.54	894.49	894.48
8b	0.00	884.86	884.30	884.52	885.68	884.54	883.32	881.77
9a	980.37	984.18	978.56	0.00	982.38	978.23	971.89	969.73
9b	941.57	935.37	935.33	0.00	945.68	942.75	931.78	923.60
cl-1a	0.00	1053.55	0.00	1053.31	0.00	0.00	0.00	0.00
cl-1b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-1c	1039.38	1040.10	1040.07	1041.17	1041.72	1040.11	1038.90	1038.89
cl-1d	0.00	0.00	0.00	0.00	1024.84	1027.21	1026.68	1025.28
cl-2a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-2b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-2c	1030.66	1030.39	1030.19	1030.49	1030.86	1030.48	1029.43	0.00
cl-2d	1016.12	1016.36	1015.71	1017.00	1017.33	1015.95	1014.72	1014.09
cl-3a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 4.4 (continued)

Well ID	Apr 18 1989	May 8 1989	May 25 1989	Jun 12 1989	Jun 29 1989	Jul 29 1989	Aug 29 1989	Sep 25 1989
cl-3b	1007.45	1006.97	1007.00	0.00	1007.46	1007.21	0.00	0.00
cl-3c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-3d	990.67	990.51	990.25	991.27	991.52	990.67	988.66	986.98
cl-4a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-4b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-4c	0.00	979.34	0.00	979.32	0.00	0.00	0.00	0.00
cl-4d	973.20	974.46	972.87	973.59	973.11	972.90	971.95	973.71
cl-5a	0.00	976.77	0.00	0.00	0.00	0.00	0.00	0.00
cl-5b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cl-5c	965.60	966.58	965.37	965.56	965.70	965.49	964.47	963.72
cl-5d	951.85	952.15	951.27	952.45	954.53	952.06	949.57	946.90
pw-6	820.88	827.82	816.75	823.21	827.12	818.32	812.03	825.37

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 4.5. Statistical water-elevation data by well ID for West Chestnut Ridge site October 1988 - September, 1989 (feet mean sea level)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
10a	891.87	887.01	4.86	889.29
10b	862.96	851.52	11.44	857.24
11a	965.02	956.74	8.28	962.09
11b	947.29	915.70	31.59	931.53
12a	926.83	898.90	27.93	918.91
13a	907.90	891.82	16.08	898.99
13b	906.37	882.29	24.08	896.45
14a	958.91	951.13	7.78	954.93
14b	914.08	893.22	20.86	905.60
15a	920.78	893.33	27.45	909.02
15b	920.53	893.29	27.24	908.90
16a	915.26	905.55	9.71	910.67
16b	914.79	902.01	12.78	908.53
19a	981.37	981.29	0.08	981.34
19b	940.47	898.31	42.16	924.84
1a	805.86	804.01	1.85	805.22
1b	807.73	805.82	1.91	806.98
20a	888.08	852.09	35.99	873.32
20b	882.12	856.34	25.78	872.15
2a	779.17	754.86	24.31	760.08
2b	779.55	752.20	27.35	759.41
3a	835.41	819.88	15.53	828.11
3b	826.68	816.08	10.60	822.14
4a	809.67	779.81	29.86	790.58
4b	807.50	761.32	46.18	774.18
5a	879.72	876.56	3.16	878.40
5b	853.32	845.87	7.45	850.53
6a	823.89	791.31	32.58	804.62
7a	936.05	908.28	27.77	923.42
7b	914.16	883.50	30.66	899.69
8a	894.92	894.45	0.47	894.57
8b	886.63	874.04	12.59	881.76
9a	984.71	960.74	23.97	975.55
9b	945.68	886.14	59.54	925.16
cl-1a	1053.68	1053.20	0.48	1053.44
cl-1b	0.00	0.00	0.00	0.00
cl-1c	1041.72	1038.89	2.83	1039.71
cl-1d	1027.21	1024.84	2.37	1026.00
cl-2a	0.00	0.00	0.00	0.00
cl-2b	0.00	0.00	0.00	0.00
cl-2c	1031.00	1028.94	2.06	1030.31
cl-2d	1017.96	1014.09	3.87	1015.95

Table 4.5 (continued)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
cl-3a	0.00	0.00	0.00	0.00
cl-3b	1007.58	1006.97	0.61	1007.30
cl-3c	0.00	0.00	0.00	0.00
cl-3d	991.73	986.98	4.75	990.07
cl-4a	0.00	0.00	0.00	0.00
cl-4b	987.85	987.52	0.33	987.69
cl-4c	979.38	979.32	0.06	979.35
cl-4d	974.46	968.68	5.78	972.71
cl-5a	976.85	976.77	0.08	976.81
cl-5b	969.70	967.54	2.16	968.62
cl-5c	966.58	963.72	2.86	965.45
cl-5d	956.48	946.90	9.58	951.87
pw-6	833.70	799.26	34.44	818.87

*Comments: If the water elevation is listed as zero (0.00), then no data were collected during any sample collections. Data are compiled from 15 different collection dates.

Table 4.6. Groundwater quality field data: West Chestnut Ridge selected sampling sites, FY89, quarters 1-4

Well ID	Date	Cond.	D.O.	pH	Temp.	Turb.
18a	03-14-89	0.18	4.40	7.20	13.30	162.00
18a	06-15-89	0.25	7.00	6.80	14.40	530.00
18b	03-14-89	0.21	0.45	7.20	13.40	57.00
18b	06-15-89	0.24	2.50	7.20	14.00	28.00
18b	09-01-89	0.38	5.10	7.10	15.40	4.00
18b	12-08-88	0.70	11.50	6.10	13.80	45.00
3a	03-13-89	12.00	4.80	6.50	13.90	42.00
3a	06-08-89	0.22	3.50	6.00	15.10	15.00
3a	09-01-89	0.06	22.30	6.80	15.90	405.00
3a	12-06-88	0.28	2.80	7.30	13.10	11.00
3b	03-13-89	0.22	4.30	7.20	13.70	141.00
3b	06-09-89	0.34	3.40	7.20	14.50	13.00
3b	09-01-89	0.12	22.90	7.40	14.80	293.00
3b	12-06-88	0.32	8.00	7.60	13.10	12.00
6a	03-10-89	0.11	4.80	7.00	11.60	164.00
6a	06-09-89	0.04	5.30	6.10	15.90	15.00
6a	09-01-89	0.21	7.20	6.10	16.60	33.00
6a	12-05-88	0.19	3.80	7.90	13.00	12.00
6b	03-14-89	0.25	4.50	6.70	14.80	144.00
6b	12-05-88	0.28	9.70	7.90	13.50	66.00
9a	03-13-89	0.09	4.30	7.10	14.70	105.00
9a	06-12-89	0.10	7.10	6.70	15.50	20.00
9a	09-07-89	0.04	0.40	7.10	14.40	8.00
9b	03-13-89	0.17	4.50	7.40	14.20	134.00
9b	06-12-89	0.25	4.90	8.00	16.90	21.00
9b	09-01-89	0.33	14.10	7.20	15.50	12.00
9b	12-07-88	0.31	10.40	7.70	13.40	14.00
pw-6	03-10-89	0.12	4.40	7.70	11.20	117.00
pw-6	06-26-89	0.24	6.00	5.80	14.80	13.00
pw-6	09-01-89	0.36	6.20	6.50	17.40	14.00
pw-6	12-05-88	0.23	10.30	7.50	13.20	6.00

*Cond. = conductivity in ms/cm; D.O. = dissolved oxygen; Temp. = temperature in degress C; Turb. = turbidity in Jtu.

Table 4.7. Chemical analysis of groundwater samples from from West Chestnut Ridge site, FY89

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
18a	03/14/89	AG	<	0.00500	MG/L	0.0000
18a	06/15/89	AG	<	0.00500	MG/L	0.0000
18a	03/14/89	AL		0.22000	MG/L	0.0000
18a	06/15/89	AL	<	2.00000	MG/L	0.0000
18a	03/14/89	ALKALINITY		131.30000	MG CACO3/L	0.0000
18a	06/15/89	ALKALINITY		121.30000	MG CACO3/L	0.0000
18a	03/14/89	AS	<	0.01000	UG/ML	0.0000
18a	06/15/89	AS	<	0.01000	UG/ML	0.0000
18a	03/14/89	B	<	0.08000	MG/L	0.0000
18a	06/15/89	B	<	0.08000	MG/L	0.0000
18a	03/14/89	BA	<	0.00200	MG/L	0.0000
18a	06/15/89	BA		0.06900	MG/L	0.0000
18a	03/14/89	BE	<	0.00030	MG/L	0.0000
18a	06/15/89	BE		0.03100	MG/L	0.0000
18a	03/14/89	CA		20.00000	MG/L	0.0000
18a	06/15/89	CA		55.00000	MG/L	0.0000
18a	03/14/89	CD	<	0.00200	MG/L	0.0000
18a	06/15/89	CD		0.01200	MG/L	0.0000
18a	03/14/89	CHLORIDE		1.90000	MG/L	0.0000
18a	06/15/89	CHLORIDE		1.30000	MG/L	0.0000
18a	03/14/89	CO	<	0.00300	MG/L	0.0000
18a	06/15/89	CO	<	0.00300	MG/L	0.0000
18a	03/14/89	CR		0.01500	MG/L	0.0000
18a	06/15/89	CR		0.02000	MG/L	0.0000
18a	03/14/89	CU	<	0.01000	MG/L	0.0000
18a	06/15/89	CU		0.01900	MG/L	0.0000
18a	03/14/89	FE	<	0.01000	MG/L	0.0000
18a	06/15/89	FE		0.39000	MG/L	0.0000
18a	03/14/89	FLUORIDE	<	5.00000	MG/L	0.0000
18a	06/15/89	FLUORIDE	<	1.00000	MG/L	0.0000
18a	03/14/89	G-ALPHA		-0.01500	BQ/L	0.0070
18a	06/15/89	G-ALPHA		0.15000	BQ/L	0.0900
18a	03/14/89	G-BETA		0.07000	BQ/L	0.1500
18a	06/15/89	G-BETA		1.40000	BQ/L	0.3000
18a	03/14/89	GA	<	0.30000	MG/L	0.0000
18a	03/14/89	HG	<	0.00010	UG/ML	0.0000
18a	06/15/89	HG	<	0.00010	UG/ML	0.0000
18a	03/14/89	LI	<	0.20000	MG/L	0.0000
18a	06/15/89	LI	<	15.00000	MG/L	0.0000
18a	03/14/89	MG		8.80000	MG/L	0.0000
18a	06/15/89	MG		7.60000	MG/L	0.0000
18a	03/14/89	MN	<	0.00200	MG/L	0.0000
18a	06/15/89	MN		0.23000	MG/L	0.0000
18a	03/14/89	MO	<	0.04000	MG/L	0.0000
18a	06/15/89	MO	<	0.04000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
18a	06/15/89	NA	<	2.00000	MG/L	0.0000
18a	03/14/89	NI		0.01800	MG/L	0.0000
18a	06/15/89	NI	<	0.00600	MG/L	0.0000
18a	03/14/89	NITRATE	<	5.00000	MG/L	0.0000
18a	06/15/89	NITRATE	<	0.50000	UG/ML	0.0000
18a	03/14/89	P	<	0.30000	MG/L	0.0000
18a	06/15/89	P	<	0.30000	MG/L	0.0000
18a	03/14/89	PB	<	0.05000	MG/L	0.0000
18a	06/15/89	PB	<	0.03000	MG/L	0.0000
18a	03/14/89	PHOSPHATE	<	5.00000	MG/L	0.0000
18a	06/15/89	PHOSPHATE	<	5.00000	MG/L	0.0000
18a	03/14/89	SB	<	0.03000	MG/L	0.0000
18a	06/15/89	SB	<	0.04000	MG/L	0.0000
18a	03/14/89	SE	<	0.00500	UG/ML	0.0000
18a	06/15/89	SE	<	0.00500	UG/ML	0.0000
18a	03/14/89	SI		3.10000	MG/L	0.0000
18a	06/15/89	SI		3.50000	MG/L	0.0000
18a	03/14/89	SN	<	0.05000	MG/L	0.0000
18a	06/15/89	SN	<	0.05000	MG/L	0.0000
18a	03/14/89	SR		0.03500	MG/L	0.0000
18a	06/15/89	SR		0.05700	MG/L	0.0000
18a	03/14/89	SULFATE		5.00000	MG/L	0.0000
18a	06/15/89	SULFATE	<	5.00000	MG/L	0.0000
18a	03/14/89	TI	<	0.02000	MG/L	0.0000
18a	06/15/89	TI	<	0.02000	MG/L	0.0000
18a	03/14/89	TOC	<	0.50000	UG/ML	0.0000
18a	06/15/89	TOC		1.40000	UG/ML	0.0000
18a	03/14/89	TOTAL URANIUM		0.00200	MG/L	0.0000
18a	06/15/89	TOTAL URANIUM		0.00100	MG/L	0.0000
18a	03/14/89	TOX		7.00000	UG/L	0.0000
18a	06/15/89	TOX	<	5.00000	UG/L	0.0000
18a	03/14/89	TRITIUM		-1.00000	BQ/L	31.0000
18a	06/15/89	TRITIUM		8.00000	BQ/L	29.0000
18a	03/14/89	V	<	0.00400	MG/L	0.0000
18a	06/15/89	V	<	0.00400	MG/L	0.0000
18a	03/14/89	ZN	<	0.00800	MG/L	0.0000
18a	06/15/89	ZN		0.09200	MG/L	0.0000
18a	03/14/89	ZR	<	0.02000	MG/L	0.0000
18a	06/15/89	ZR	<	0.02000	MG/L	0.0000
18b	12/06/88	AG	<	0.00500	MG/L	0.0000
18b	03/14/89	AG	<	0.00500	MG/L	0.0000
18b	06/15/89	AG	<	0.00500	MG/L	0.0000
18b	09/01/89	AG	<	0.00500	MG/L	0.0000
18b	12/06/88	AL		0.23000	MG/L	0.0000
18b	03/14/89	AL		0.23000	MG/L	0.0000
18b	06/15/89	AL	<	2.00000	MG/L	0.0000
18b	09/01/89	AL		0.20000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
18b	12/06/88	ALKALINITY		157.50000	MG CACO3/L	0.0000
18b	03/14/89	ALKALINITY		140.00000	MG CACO3/L	0.0000
18b	06/15/89	ALKALINITY		132.50000	MG CACO3/L	0.0000
18b	09/01/89	ALKALINITY		164.00000	MG CACO3/L	0.0000
18b	12/06/88	AS	<	0.01000	UG/ML	0.0000
18b	03/14/89	AS	<	0.01000	UG/ML	0.0000
18b	06/15/89	AS	<	0.01000	UG/ML	0.0000
18b	09/01/89	AS	<	0.05000	MG/L	0.0000
18b	12/06/88	B	<	0.08000	MG/L	0.0000
18b	03/14/89	B	<	0.08000	MG/L	0.0000
18b	06/15/89	B	<	0.08000	MG/L	0.0000
18b	09/01/89	B	<	0.08000	MG/L	0.0000
18b	12/06/88	BA		0.03000	MG/L	0.0000
18b	03/14/89	BA	<	0.00200	MG/L	0.0000
18b	06/15/89	BA		0.06100	MG/L	0.0000
18b	09/01/89	BA		0.02200	MG/L	0.0000
18b	12/06/88	BE	<	0.00030	MG/L	0.0000
18b	03/14/89	BE	<	0.00030	MG/L	0.0000
18b	06/15/89	BE		0.03000	MG/L	0.0000
18b	09/01/89	BE	<	0.00050	MG/L	0.0000
18b	12/06/88	CA		40.00000	MG/L	0.0000
18b	03/14/89	CA		21.00000	MG/L	0.0000
18b	06/15/89	CA		43.00000	MG/L	0.0000
18b	09/01/89	CA		51.00000	MG/L	0.0000
18b	12/06/88	CD	<	0.00200	MG/L	0.0000
18b	03/14/89	CD	<	0.00200	MG/L	0.0000
18b	06/15/89	CD		0.01000	MG/L	0.0000
18b	09/01/89	CD	<	0.00200	MG/L	0.0000
18b	12/06/88	CHLORIDE		1.90000	MG/L	0.0000
18b	03/14/89	CHLORIDE		2.20000	MG/L	0.0000
18b	06/15/89	CHLORIDE		1.80000	MG/L	0.0000
18b	09/01/89	CHLORIDE		1.80000	MG/L	0.0000
18b	12/06/88	CO	<	0.00300	MG/L	0.0000
18b	03/14/89	CO	<	0.00300	MG/L	0.0000
18b	06/15/89	CO	<	0.00300	MG/L	0.0000
18b	09/01/89	CO	<	0.00300	MG/L	0.0000
18b	12/06/88	CR	<	0.00500	MG/L	0.0000
18b	03/14/89	CR		0.01700	MG/L	0.0000
18b	06/15/89	CR		0.01800	MG/L	0.0000
18b	09/01/89	CR	<	0.00300	MG/L	0.0000
18b	12/06/88	CU	<	0.01000	MG/L	0.0000
18b	03/14/89	CU	<	0.01000	MG/L	0.0000
18b	06/15/89	CU	<	0.01000	MG/L	0.0000
18b	09/01/89	CU	<	0.00800	MG/L	0.0000
18b	12/06/88	FE		0.07300	MG/L	0.0000
18b	03/14/89	FE		0.01300	MG/L	0.0000
18b	06/15/89	FE		0.17000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
18b	09/01/89	FE		0.05900	MG/L	0.0000
18b	12/06/88	FLUORIDE	<	1.00000	MG/L	0.0000
18b	03/14/89	FLUORIDE	<	5.00000	MG/L	0.0000
18b	06/15/89	FLUORIDE	<	1.00000	MG/L	0.0000
18b	09/01/89	FLUORIDE	<	1.00000	MG/L	0.0000
18b	12/06/88	G-ALPHA		0.03900	BQ/L	0.0520
18b	03/14/89	G-ALPHA		0.03300	BQ/L	0.0670
18b	06/15/89	G-ALPHA		-0.01200	BQ/L	0.0350
18b	09/01/89	G-ALPHA		0.60000	BQ/L	1.0000
18b	12/06/88	G-BETA		0.10000	BQ/L	0.0600
18b	03/14/89	G-BETA		0.06000	BQ/L	0.1600
18b	06/15/89	G-BETA		-0.01000	BQ/L	0.1600
18b	09/01/89	G-BETA		0.20000	BQ/L	2.1000
18b	12/06/88	GA	<	0.30000	MG/L	0.0000
18b	03/14/89	GA	<	0.30000	MG/L	0.0000
18b	12/06/88	HG	<	0.00010	UG/ML	0.0000
18b	03/14/89	HG	<	0.00010	UG/ML	0.0000
18b	06/15/89	HG	<	0.00010	UG/ML	0.0000
18b	09/01/89	HG	<	0.00010	UG/ML	0.0000
18b	12/06/88	LI	<	0.20000	MG/L	0.0000
18b	03/14/89	LI	<	0.20000	MG/L	0.0000
18b	06/15/89	LI	<	15.00000	MG/L	0.0000
18b	09/01/89	LI	<	15.00000	MG/L	0.0000
18b	12/06/88	MG		8.50000	MG/L	0.0000
18b	03/14/89	MG		9.30000	MG/L	0.0000
18b	06/15/89	MG		6.60000	MG/L	0.0000
18b	09/01/89	MG		9.50000	MG/L	0.0000
18b	12/06/88	MN		0.00430	MG/L	0.0000
18b	03/14/89	MN	<	0.00200	MG/L	0.0000
18b	06/15/89	MN		0.01300	MG/L	0.0000
18b	09/01/89	MN	<	0.00200	MG/L	0.0000
18b	12/06/88	MO	<	0.04000	MG/L	0.0000
18b	03/14/89	MO	<	0.04000	MG/L	0.0000
18b	06/15/89	MO	<	0.04000	MG/L	0.0000
18b	09/01/89	MO	<	0.04000	MG/L	0.0000
18b	12/06/88	NA		2.60000	MG/L	0.0000
18b	06/15/89	NA	<	2.00000	MG/L	0.0000
18b	09/01/89	NA	<	2.00000	MG/L	0.0000
18b	12/06/88	NI		0.00600	MG/L	0.0000
18b	03/14/89	NI		0.01500	MG/L	0.0000
18b	06/15/89	NI	<	0.00600	MG/L	0.0000
18b	09/01/89	NI	<	0.00600	MG/L	0.0000
18b	12/06/88	NITRATE	<	5.00000	MG/L	0.0000
18b	03/14/89	NITRATE	<	5.00000	MG/L	0.0000
18b	06/15/89	NITRATE	<	0.50000	UG/ML	0.0000
18b	12/06/88	P	<	0.30000	MG/L	0.0000
18b	03/14/89	P	<	0.30000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
18b	06/15/89	P	<	0.30000	MG/L	0.0000
18b	09/01/89	P	<	0.30000	MG/L	0.0000
18b	12/06/88	PB	<	0.05000	MG/L	0.0000
18b	03/14/89	PB	<	0.05000	MG/L	0.0000
18b	06/15/89	PB	<	0.03000	MG/L	0.0000
18b	09/01/89	PB	<	0.03000	MG/L	0.0000
18b	12/06/88	PHOSPHATE	<	5.00000	MG/L	0.0000
18b	03/14/89	PHOSPHATE	<	5.00000	MG/L	0.0000
18b	06/15/89	PHOSPHATE	<	5.00000	MG/L	0.0000
18b	12/06/88	SB	<	0.03000	MG/L	0.0000
18b	03/14/89	SB	<	0.03000	MG/L	0.0000
18b	06/15/89	SB	<	0.04000	MG/L	0.0000
18b	09/01/89	SB	<	0.04000	MG/L	0.0000
18b	12/06/88	SE	<	0.00500	UG/ML	0.0000
18b	03/14/89	SE	<	0.00500	UG/ML	0.0000
18b	06/15/89	SE	<	0.00500	UG/ML	0.0000
18b	09/01/89	SE	<	0.08000	MG/L	0.0000
18b	12/06/88	SI		3.30000	MG/L	0.0000
18b	03/14/89	SI		3.30000	MG/L	0.0000
18b	06/15/89	SI		3.30000	MG/L	0.0000
18b	12/06/88	SN	<	0.05000	MG/L	0.0000
18b	03/14/89	SN	<	0.05000	MG/L	0.0000
18b	06/15/89	SN	<	0.05000	MG/L	0.0000
18b	09/01/89	SN	<	0.05000	MG/L	0.0000
18b	12/06/88	SR		0.13000	MG/L	0.0000
18b	03/14/89	SR		0.09700	MG/L	0.0000
18b	06/15/89	SR		0.05500	MG/L	0.0000
18b	09/01/89	SR		0.09400	MG/L	0.0000
18b	12/06/88	SULFATE		9.10000	MG/L	0.0000
18b	03/14/89	SULFATE		5.80000	MG/L	0.0000
18b	06/15/89	SULFATE	<	5.00000	MG/L	0.0000
18b	09/01/89	SULFATE		7.10000	MG/L	0.0000
18b	12/06/88	TI	<	0.02000	MG/L	0.0000
18b	03/14/89	TI	<	0.02000	MG/L	0.0000
18b	06/15/89	TI	<	0.02000	MG/L	0.0000
18b	09/01/89	TI	<	0.02000	MG/L	0.0000
18b	12/06/88	TOC		0.80000	UG/ML	0.0000
18b	03/14/89	TOC		0.50000	UG/ML	0.0000
18b	06/15/89	TOC		1.00000	UG/ML	0.0000
18b	09/01/89	TOC		1.20000	UG/ML	0.0000
18b	12/06/88	TOTAL URANIUM		0.00100	MG/L	0.0000
18b	03/14/89	TOTAL URANIUM		0.00400	MG/L	0.0000
18b	06/15/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
18b	09/01/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
18b	12/06/88	TOX	<	5.00000	UG/L	0.0000
18b	03/14/89	TOX	<	5.00000	UG/L	0.0000
18b	06/15/89	TOX		6.00000	UG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
18b	09/01/89	TOX		13.00000	UG/L	0.0000
18b	12/06/88	TRITIUM		-5.00000	BQ/L	45.0000
18b	03/14/89	TRITIUM		4.00000	BQ/L	31.0000
18b	06/15/89	TRITIUM		10.00000	BQ/L	30.0000
18b	09/01/89	TRITIUM		-31.00000	BQ/L	39.0000
18b	12/06/88	V		0.00520	MG/L	0.0000
18b	03/14/89	V	<	0.00400	MG/L	0.0000
18b	06/15/89	V	<	0.00400	MG/L	0.0000
18b	09/01/89	V	<	0.00300	MG/L	0.0000
18b	12/06/88	ZN		0.03000	MG/L	0.0000
18b	03/14/89	ZN	<	0.00800	MG/L	0.0000
18b	06/15/89	ZN		0.01500	MG/L	0.0000
18b	09/01/89	ZN		0.09600	MG/L	0.0000
18b	12/06/88	ZR	<	0.02000	MG/L	0.0000
18b	03/14/89	ZR	<	0.02000	MG/L	0.0000
18b	06/15/89	ZR	<	0.02000	MG/L	0.0000
18b	09/01/89	ZR	<	0.02000	MG/L	0.0000
3a	12/06/88	AG	<	0.00500	MG/L	0.0000
3a	03/13/89	AG	<	0.00500	MG/L	0.0000
3a	06/08/89	AG		0.00830	MG/L	0.0000
3a	09/01/89	AG		0.01900	MG/L	0.0000
3a	12/06/88	AL		0.17000	MG/L	0.0000
3a	03/13/89	AL		0.11000	MG/L	0.0000
3a	06/08/89	AL	<	2.00000	MG/L	0.0000
3a	09/01/89	AL		0.54000	MG/L	0.0000
3a	12/06/88	ALKALINITY		136.25000	MG CACO3/L	0.0000
3a	03/13/89	ALKALINITY		95.50000	MG CACO3/L	0.0000
3a	06/08/89	ALKALINITY		102.50000	MG CACO3/L	0.0000
3a	09/01/89	ALKALINITY		110.00000	MG CACO3/L	0.0000
3a	12/06/88	AS	<	0.01000	UG/ML	0.0000
3a	03/13/89	AS	<	0.01000	UG/ML	0.0000
3a	06/08/89	AS	<	0.01000	UG/ML	0.0000
3a	09/01/89	AS		0.06900	MG/L	0.0000
3a	12/06/88	B	<	0.08000	MG/L	0.0000
3a	03/13/89	B	<	0.08000	MG/L	0.0000
3a	06/08/89	B	<	0.08000	MG/L	0.0000
3a	09/01/89	B	<	0.08000	MG/L	0.0000
3a	12/06/88	BA		0.00680	MG/L	0.0000
3a	03/13/89	BA	<	0.00200	MG/L	0.0000
3a	06/08/89	BA		0.02500	MG/L	0.0000
3a	09/01/89	BA		0.09600	MG/L	0.0000
3a	12/06/88	BE	<	0.00030	MG/L	0.0000
3a	03/13/89	BE	<	0.00030	MG/L	0.0000
3a	06/08/89	BE		0.02900	MG/L	0.0000
3a	09/01/89	BE	<	0.00050	MG/L	0.0000
3a	12/06/88	CA		29.00000	MG/L	0.0000
3a	03/13/89	CA		13.00000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
3a	06/08/89	CA		23.00000	MG/L	0.0000
3a	09/01/89	CA		30.00000	MG/L	0.0000
3a	12/06/88	CD	<	0.00200	MG/L	0.0000
3a	03/13/89	CD	<	0.00200	MG/L	0.0000
3a	06/08/89	CD		0.00880	MG/L	0.0000
3a	09/01/89	CD	<	0.00200	MG/L	0.0000
3a	12/06/88	CHLORIDE		1.00000	MG/L	0.0000
3a	03/13/89	CHLORIDE		1.60000	MG/L	0.0000
3a	06/08/89	CHLORIDE		1.00000	MG/L	0.0000
3a	09/01/89	CHLORIDE		1.10000	MG/L	0.0000
3a	12/06/88	CO	<	0.00300	MG/L	0.0000
3a	03/13/89	CO		0.01800	MG/L	0.0000
3a	06/08/89	CO	<	0.00300	MG/L	0.0000
3a	09/01/89	CO		0.06900	MG/L	0.0000
3a	12/06/88	CR		0.00700	MG/L	0.0000
3a	03/13/89	CR		0.02600	MG/L	0.0000
3a	06/08/89	CR		0.02100	MG/L	0.0000
3a	09/01/89	CR		0.01600	MG/L	0.0000
3a	12/06/88	CU	<	0.01000	MG/L	0.0000
3a	03/13/89	CU	<	0.01000	MG/L	0.0000
3a	06/08/89	CU	<	0.01000	MG/L	0.0000
3a	09/01/89	CU		0.07200	MG/L	0.0000
3a	12/06/88	FE		0.03000	MG/L	0.0000
3a	03/13/89	FE	<	0.01000	MG/L	0.0000
3a	06/08/89	FE	<	0.01000	MG/L	0.0000
3a	09/01/89	FE		3.10000	MG/L	0.0000
3a	12/06/88	FLUORIDE	<	1.00000	MG/L	0.0000
3a	03/13/89	FLUORIDE	<	1.00000	MG/L	0.0000
3a	06/08/89	FLUORIDE	<	1.00000	MG/L	0.0000
3a	09/01/89	FLUORIDE	<	1.00000	MG/L	0.0000
3a	12/06/88	G-ALPHA		0.01700	BQ/L	0.0410
3a	03/13/89	G-ALPHA		-0.02900	BQ/L	0.0100
3a	06/08/89	G-ALPHA		0.55000	BQ/L	0.1600
3a	09/01/89	G-ALPHA		1.70000	BQ/L	1.6000
3a	12/06/88	G-BETA		0.08200	BQ/L	0.0560
3a	03/13/89	G-BETA		-0.13000	BQ/L	0.1600
3a	06/08/89	G-BETA		0.13000	BQ/L	0.1500
3a	09/01/89	G-BETA		0.90000	BQ/L	2.3000
3a	12/06/88	GA	<	0.30000	MG/L	0.0000
3a	03/13/89	GA	<	0.30000	MG/L	0.0000
3a	12/06/88	HG	<	0.00010	UG/ML	0.0000
3a	03/13/89	HG	<	0.00010	UG/ML	0.0000
3a	06/08/89	HG	<	0.00010	UG/ML	0.0000
3a	09/01/89	HG	<	0.00010	UG/ML	0.0000
3a	12/06/88	LI	<	0.20000	MG/L	0.0000
3a	03/13/89	LI	<	0.20000	MG/L	0.0000
3a	06/08/89	LI	<	15.00000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
3a	09/01/89	LI	<	15.00000	MG/L	0.0000
3a	12/06/88	MG		14.00000	MG/L	0.0000
3a	03/13/89	MG		9.90000	MG/L	0.0000
3a	06/08/89	MG		12.00000	MG/L	0.0000
3a	09/01/89	MG		12.00000	MG/L	0.0000
3a	12/06/88	MN		0.24000	MG/L	0.0000
3a	03/13/89	MN	<	2.00000	MG/L	0.0000
3a	06/08/89	MN		3.00000	MG/L	0.0000
3a	09/01/89	MN		11.00000	MG/L	0.0000
3a	12/06/88	MO	<	0.04000	MG/L	0.0000
3a	03/13/89	MO	<	0.04000	MG/L	0.0000
3a	06/08/89	MO	<	0.04000	MG/L	0.0000
3a	09/01/89	MO	<	0.04000	MG/L	0.0000
3a	12/06/88	NA		1.40000	MG/L	0.0000
3a	06/08/89	NA	<	2.00000	MG/L	0.0000
3a	09/01/89	NA	<	2.00000	MG/L	0.0000
3a	12/06/88	NI		0.00910	MG/L	0.0000
3a	03/13/89	NI		0.02500	MG/L	0.0000
3a	06/08/89	NI	<	0.00600	MG/L	0.0000
3a	09/01/89	NI		0.02500	MG/L	0.0000
3a	12/06/88	NITRATE	<	5.00000	MG/L	0.0000
3a	03/13/89	NITRATE	<	5.00000	MG/L	0.0000
3a	06/08/89	NITRATE	<	0.50000	UG/ML	0.0000
3a	12/06/88	P	<	0.30000	MG/L	0.0000
3a	03/13/89	P	<	0.30000	MG/L	0.0000
3a	06/08/89	P	<	0.30000	MG/L	0.0000
3a	09/01/89	P	<	0.30000	MG/L	0.0000
3a	12/06/88	PB	<	0.05000	MG/L	0.0000
3a	03/13/89	PB	<	0.05000	MG/L	0.0000
3a	06/08/89	PB	<	0.03000	MG/L	0.0000
3a	09/01/89	PB		0.06800	MG/L	0.0000
3a	12/06/88	PHOSPHATE	<	5.00000	MG/L	0.0000
3a	03/13/89	PHOSPHATE	<	5.00000	MG/L	0.0000
3a	06/08/89	PHOSPHATE	<	0.30000	UG/ML	0.0000
3a	12/06/88	SB	<	0.03000	MG/L	0.0000
3a	03/13/89	SB	<	0.03000	MG/L	0.0000
3a	06/08/89	SB	<	0.04000	MG/L	0.0000
3a	09/01/89	SB	<	0.04000	MG/L	0.0000
3a	12/06/88	SE	<	0.00500	UG/ML	0.0000
3a	03/13/89	SE	<	0.00500	UG/ML	0.0000
3a	06/08/89	SE	<	0.00500	UG/ML	0.0000
3a	09/01/89	SE	<	0.08000	MG/L	0.0000
3a	12/06/88	SI		3.10000	MG/L	0.0000
3a	03/13/89	SI		3.50000	MG/L	0.0000
3a	06/08/89	SI		3.20000	MG/L	0.0000
3a	12/06/88	SN	<	0.05000	MG/L	0.0000
3a	03/13/89	SN	<	0.05000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
3a	06/08/89	SN	<	0.05000	MG/L	0.0000
3a	09/01/89	SN	<	0.05000	MG/L	0.0000
3a	12/06/88	SR		0.03700	MG/L	0.0000
3a	03/13/89	SR		0.02100	MG/L	0.0000
3a	06/08/89	SR		0.02200	MG/L	0.0000
3a	09/01/89	SR		0.03600	MG/L	0.0000
3a	12/06/88	SULFATE	<	5.00000	MG/L	0.0000
3a	03/13/89	SULFATE	<	5.00000	MG/L	0.0000
3a	06/08/89	SULFATE	<	5.00000	MG/L	0.0000
3a	09/01/89	SULFATE		5.40000	MG/L	0.0000
3a	12/06/88	TI		0.02000	MG/L	0.0000
3a	03/13/89	TI	<	0.02000	MG/L	0.0000
3a	06/08/89	TI	<	0.02000	MG/L	0.0000
3a	09/01/89	TI	<	0.02000	MG/L	0.0000
3a	12/06/88	TOC		1.00000	UG/ML	0.0000
3a	03/13/89	TOC	<	0.50000	UG/ML	0.0000
3a	06/08/89	TOC		0.70000	UG/ML	0.0000
3a	09/01/89	TOC		5.30000	UG/ML	0.0000
3a	12/06/88	TOTAL URANIUM		0.00100	MG/L	0.0000
3a	03/13/89	TOTAL URANIUM		0.00200	MG/L	0.0000
3a	06/08/89	TOTAL URANIUM		0.02250	MG/L	0.0000
3a	09/01/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
3a	12/06/88	TOX	<	5.00000	UG/L	0.0000
3a	03/13/89	TOX	<	5.00000	UG/L	0.0000
3a	06/08/89	TOX		29.00000	UG/L	0.0000
3a	09/01/89	TOX		77.00000	UG/L	0.0000
3a	12/06/88	TRITIUM		-3.00000	BQ/L	44.0000
3a	03/13/89	TRITIUM		20.00000	BQ/L	32.0000
3a	06/08/89	TRITIUM		39.00000	BQ/L	31.0000
3a	09/01/89	TRITIUM		8.00000	BQ/L	34.0000
3a	12/06/88	V		0.00950	MG/L	0.0000
3a	03/13/89	V	<	0.00400	MG/L	0.0000
3a	06/08/89	V	<	0.00400	MG/L	0.0000
3a	09/01/89	V	<	0.00300	MG/L	0.0000
3a	12/06/88	ZN		0.02700	MG/L	0.0000
3a	03/13/89	ZN	<	0.00800	MG/L	0.0000
3a	06/08/89	ZN	<	0.00800	MG/L	0.0000
3a	09/01/89	ZN		0.42000	MG/L	0.0000
3a	12/06/88	ZR	<	0.02000	MG/L	0.0000
3a	03/13/89	ZR	<	0.02000	MG/L	0.0000
3a	06/08/89	ZR	<	0.02000	MG/L	0.0000
3a	09/01/89	ZR	<	0.02000	MG/L	0.0000
3b	12/06/88	AG	<	0.00500	MG/L	0.0000
3b	03/13/89	AG	<	0.00500	MG/L	0.0000
3b	06/09/89	AG	<	0.00500	MG/L	0.0000
3b	09/01/89	AG	<	0.00500	MG/L	0.0000
3b	12/06/88	AL		0.21000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
3b	03/13/89	AL		0.21000	MG/L	0.0000
3b	06/09/89	AL	<	2.00000	MG/L	0.0000
3b	09/01/89	AL		0.14000	MG/L	0.0000
3b	12/06/88	ALKALINITY		175.00000	MG CACO3/L	0.0000
3b	03/13/89	ALKALINITY		181.25000	MG CACO3/L	0.0000
3b	06/09/89	ALKALINITY		192.50000	MG CACO3/L	0.0000
3b	09/01/89	ALKALINITY		180.00000	MG CACO3/L	0.0000
3b	12/06/88	AS	<	0.01000	UG/ML	0.0000
3b	03/13/89	AS	<	0.01000	UG/ML	0.0000
3b	06/09/89	AS	<	0.01000	UG/ML	0.0000
3b	09/01/89	AS	<	0.01000	UG/ML	0.0000
3b	09/01/89	AS	<	0.05000	MG/L	0.0000
3b	12/06/88	B	<	0.08000	MG/L	0.0000
3b	03/13/89	B	<	0.08000	MG/L	0.0000
3b	06/09/89	B	<	0.08000	MG/L	0.0000
3b	09/01/89	B	<	0.08000	MG/L	0.0000
3b	12/06/88	BA		0.03100	MG/L	0.0000
3b	03/13/89	BA	<	0.00200	MG/L	0.0000
3b	06/09/89	BA		0.08400	MG/L	0.0000
3b	09/01/89	BA		0.04700	MG/L	0.0000
3b	12/06/88	BE	<	0.00030	MG/L	0.0000
3b	03/13/89	BE	<	0.00030	MG/L	0.0000
3b	06/09/89	BE		0.02900	MG/L	0.0000
3b	09/01/89	BE	<	0.00050	MG/L	0.0000
3b	12/06/88	CA		35.00000	MG/L	0.0000
3b	03/13/89	CA		19.00000	MG/L	0.0000
3b	06/09/89	CA		38.00000	MG/L	0.0000
3b	09/01/89	CA		38.00000	MG/L	0.0000
3b	12/06/88	CD	<	0.00200	MG/L	0.0000
3b	03/13/89	CD	<	0.00200	MG/L	0.0000
3b	06/09/89	CD		0.00910	MG/L	0.0000
3b	09/01/89	CD	<	0.00200	MG/L	0.0000
3b	12/06/88	CHLORIDE		1.00000	MG/L	0.0000
3b	03/13/89	CHLORIDE		1.00000	MG/L	0.0000
3b	06/09/89	CHLORIDE		1.00000	MG/L	0.0000
3b	09/01/89	CHLORIDE		1.00000	MG/L	0.0000
3b	12/06/88	CO	<	0.00300	MG/L	0.0000
3b	03/13/89	CO		0.00390	MG/L	0.0000
3b	06/09/89	CO	<	0.00300	MG/L	0.0000
3b	09/01/89	CO	<	0.00300	MG/L	0.0000
3b	12/06/88	CR		0.00820	MG/L	0.0000
3b	03/13/89	CR		0.02700	MG/L	0.0000
3b	06/09/89	CR		0.02200	MG/L	0.0000
3b	09/01/89	CR		0.00350	MG/L	0.0000
3b	12/06/88	CU		0.01600	MG/L	0.0000
3b	03/13/89	CU	<	0.01000	MG/L	0.0000
3b	06/09/89	CU	<	0.01000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
3b	09/01/89	CU	<	0.00800	MG/L	0.0000
3b	12/06/88	FE		0.05200	MG/L	0.0000
3b	03/13/89	FE	<	0.01000	MG/L	0.0000
3b	06/09/89	FE	<	0.01000	MG/L	0.0000
3b	09/01/89	FE	<	0.01000	MG/L	0.0000
3b	12/06/88	FLUORIDE	<	1.00000	MG/L	0.0000
3b	03/13/89	FLUORIDE	<	1.00000	MG/L	0.0000
3b	06/09/89	FLUORIDE	<	1.00000	MG/L	0.0000
3b	09/01/89	FLUORIDE	<	1.00000	MG/L	0.0000
3b	12/06/88	G-ALPHA		0.03000	BQ/L	0.0500
3b	03/13/89	G-ALPHA		0.02600	BQ/L	0.0670
3b	06/09/89	G-ALPHA		0.13000	BQ/L	0.0900
3b	09/01/89	G-ALPHA		0.60000	BQ/L	1.0000
3b	12/06/88	G-BETA		0.30000	BQ/L	0.1000
3b	03/13/89	G-BETA		6.80000	BQ/L	0.7000
3b	06/09/89	G-BETA		0.25000	BQ/L	0.1400
3b	09/01/89	G-BETA		-0.40000	BQ/L	1.9000
3b	12/06/88	GA	<	0.30000	MG/L	0.0000
3b	03/13/89	GA	<	0.30000	MG/L	0.0000
3b	12/06/88	HG	<	0.00010	UG/ML	0.0000
3b	03/13/89	HG	<	0.00010	UG/ML	0.0000
3b	06/09/89	HG	<	0.00010	UG/ML	0.0000
3b	09/01/89	HG	<	0.00010	UG/ML	0.0000
3b	12/06/88	LI	<	0.20000	MG/L	0.0000
3b	03/13/89	LI	<	0.20000	MG/L	0.0000
3b	06/09/89	LI	<	15.00000	MG/L	0.0000
3b	09/01/89	LI	<	15.00000	MG/L	0.0000
3b	12/06/88	MG		20.00000	MG/L	0.0000
3b	03/13/89	MG		20.00000	MG/L	0.0000
3b	06/09/89	MG		20.00000	MG/L	0.0000
3b	09/01/89	MG		19.00000	MG/L	0.0000
3b	12/06/88	MN		0.01100	MG/L	0.0000
3b	03/13/89	MN		0.07300	MG/L	0.0000
3b	06/09/89	MN		0.01400	MG/L	0.0000
3b	09/01/89	MN		0.04600	MG/L	0.0000
3b	12/06/88	MO	<	0.04000	MG/L	0.0000
3b	03/13/89	MO	<	0.04000	MG/L	0.0000
3b	06/09/89	MO	<	0.04000	MG/L	0.0000
3b	09/01/89	MO	<	0.04000	MG/L	0.0000
3b	12/06/88	NA		1.50000	MG/L	0.0000
3b	06/09/89	NA	<	2.00000	MG/L	0.0000
3b	09/01/89	NA	<	2.00000	MG/L	0.0000
3b	12/06/88	NI		0.01400	MG/L	0.0000
3b	03/13/89	NI		0.02000	MG/L	0.0000
3b	06/09/89	NI	<	0.00600	MG/L	0.0000
3b	09/01/89	NI	<	0.00600	MG/L	0.0000
3b	12/06/88	NITRATE	<	5.00000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
3b	03/13/89	NITRATE	<	5.00000	MG/L	0.0000
3b	06/09/89	NITRATE	<	0.50000	UG/ML	0.0000
3b	12/06/88	P	<	0.30000	MG/L	0.0000
3b	03/13/89	P	<	0.30000	MG/L	0.0000
3b	06/09/89	P	<	0.30000	MG/L	0.0000
3b	09/01/89	P	<	0.30000	MG/L	0.0000
3b	12/06/88	PB	<	0.05000	MG/L	0.0000
3b	03/13/89	PB	<	0.05000	MG/L	0.0000
3b	06/09/89	PB	<	0.03000	MG/L	0.0000
3b	09/01/89	PB	<	0.03000	MG/L	0.0000
3b	12/06/88	PHOSPHATE	<	5.00000	MG/L	0.0000
3b	03/13/89	PHOSPHATE	<	5.00000	MG/L	0.0000
3b	06/09/89	PHOSPHATE	<	0.30000	UG/ML	0.0000
3b	12/06/88	SB	<	0.03000	MG/L	0.0000
3b	03/13/89	SB	<	0.03000	MG/L	0.0000
3b	06/09/89	SB	<	0.04000	MG/L	0.0000
3b	09/01/89	SB	<	0.04000	MG/L	0.0000
3b	12/06/88	SE	<	0.00500	UG/ML	0.0000
3b	03/13/89	SE	<	0.00500	UG/ML	0.0000
3b	06/09/89	SE	<	0.00500	UG/ML	0.0000
3b	09/01/89	SE	<	0.08000	MG/L	0.0000
3b	12/06/88	SI		3.70000	MG/L	0.0000
3b	03/13/89	SI		3.80000	MG/L	0.0000
3b	06/09/89	SI		3.90000	MG/L	0.0000
3b	12/06/88	SN	<	0.05000	MG/L	0.0000
3b	03/13/89	SN	<	0.05000	MG/L	0.0000
3b	06/09/89	SN	<	0.05000	MG/L	0.0000
3b	09/01/89	SN	<	0.05000	MG/L	0.0000
3b	12/06/88	SR		0.02700	MG/L	0.0000
3b	03/13/89	SR		0.02400	MG/L	0.0000
3b	06/09/89	SR		0.02100	MG/L	0.0000
3b	09/01/89	SR		0.02300	MG/L	0.0000
3b	12/06/88	SULFATE	<	5.00000	MG/L	0.0000
3b	03/13/89	SULFATE	<	5.00000	MG/L	0.0000
3b	06/09/89	SULFATE		6.80000	MG/L	0.0000
3b	09/01/89	SULFATE	<	5.00000	MG/L	0.0000
3b	12/06/88	TI		0.02600	MG/L	0.0000
3b	03/13/89	TI	<	0.02000	MG/L	0.0000
3b	06/09/89	TI	<	0.02000	MG/L	0.0000
3b	09/01/89	TI	<	0.02000	MG/L	0.0000
3b	12/06/88	TOC		0.51000	UG/ML	0.0000
3b	03/13/89	TOC		0.50000	UG/ML	0.0000
3b	06/09/89	TOC		1.20000	UG/ML	0.0000
3b	09/01/89	TOC		1.80000	UG/ML	0.0000
3b	12/06/88	TOTAL URANIUM		0.00100	MG/L	0.0000
3b	03/13/89	TOTAL URANIUM		0.00200	MG/L	0.0000
3b	06/09/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
3b	09/01/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
3b	12/06/88	TOX	<	5.00000	UG/L	0.0000
3b	03/13/89	TOX	<	5.00000	UG/L	0.0000
3b	06/09/89	TOX		13.00000	UG/L	0.0000
3b	09/01/89	TOX		22.00000	UG/L	0.0000
3b	12/06/88	TRITIUM		11.00000	BQ/L	44.0000
3b	03/13/89	TRITIUM		9.00000	BQ/L	31.0000
3b	06/09/89	TRITIUM		-2.00000	BQ/L	29.0000
3b	09/01/89	TRITIUM		22.00000	BQ/L	35.0000
3b	12/06/88	V		0.01200	MG/L	0.0000
3b	03/13/89	V	<	0.00400	MG/L	0.0000
3b	06/09/89	V	<	0.00400	MG/L	0.0000
3b	09/01/89	V	<	0.00300	MG/L	0.0000
3b	12/06/88	ZN		0.02400	MG/L	0.0000
3b	03/13/89	ZN	<	0.00800	MG/L	0.0000
3b	06/09/89	ZN	<	0.00800	MG/L	0.0000
3b	09/01/89	ZN		0.09100	MG/L	0.0000
3b	12/06/88	ZR	<	0.02000	MG/L	0.0000
3b	03/13/89	ZR	<	0.02000	MG/L	0.0000
3b	06/09/89	ZR	<	0.02000	MG/L	0.0000
3b	09/01/89	ZR	<	0.02000	MG/L	0.0000
6a	12/05/88	AG	<	0.00500	MG/L	0.0000
6a	03/10/89	AG	<	0.00600	MG/L	0.0000
6a	06/09/89	AG	<	0.00500	MG/L	0.0000
6a	09/01/89	AG	<	0.00500	MG/L	0.0000
6a	12/05/88	AL		0.08900	MG/L	0.0000
6a	03/10/89	AL		0.02400	MG/L	0.0000
6a	06/09/89	AL	<	2.00000	MG/L	0.0000
6a	09/01/89	AL		0.05300	MG/L	0.0000
6a	12/05/88	ALKALINITY		70.00000	MG CACO3/L	0.0000
6a	03/10/89	ALKALINITY		19.00000	MG CACO3/L	0.0000
6a	06/09/89	ALKALINITY		22.00000	MG CACO3/L	0.0000
6a	09/01/89	ALKALINITY		61.00000	MG CACO3/L	0.0000
6a	12/05/88	AS	<	0.01000	UG/ML	0.0000
6a	03/10/89	AS	<	0.01000	UG/ML	0.0000
6a	06/09/89	AS	<	0.01000	UG/ML	0.0000
6a	09/01/89	AS	<	0.05000	MG/L	0.0000
6a	12/05/88	B	<	0.08000	MG/L	0.0000
6a	03/10/89	B	<	0.00400	MG/L	0.0000
6a	06/09/89	B	<	0.08000	MG/L	0.0000
6a	09/01/89	B	<	0.08000	MG/L	0.0000
6a	12/05/88	BA		0.01600	MG/L	0.0000
6a	03/10/89	BA		0.00900	MG/L	0.0000
6a	06/09/89	BA		0.02300	MG/L	0.0000
6a	09/01/89	BA		0.00610	MG/L	0.0000
6a	12/05/88	BE	<	0.00030	MG/L	0.0000
6a	03/10/89	BE	<	0.00030	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
6a	06/09/89	BE		0.02900	MG/L	0.0000
6a	09/01/89	BE	<	0.00050	MG/L	0.0000
6a	12/05/88	CA		13.00000	MG/L	0.0000
6a	03/10/89	CA		3.60000	MG/L	0.0000
6a	06/09/89	CA		5.30000	MG/L	0.0000
6a	09/01/89	CA		11.00000	MG/L	0.0000
6a	12/05/88	CD	<	0.00200	MG/L	0.0000
6a	03/10/89	CD	<	0.00300	MG/L	0.0000
6a	06/09/89	CD		0.00850	MG/L	0.0000
6a	09/01/89	CD	<	0.00200	MG/L	0.0000
6a	12/05/88	CHLORIDE		1.00000	MG/L	0.0000
6a	03/10/89	CHLORIDE		1.00000	MG/L	0.0000
6a	06/09/89	CHLORIDE		1.00000	MG/L	0.0000
6a	09/01/89	CHLORIDE	<	1.00000	MG/L	0.0000
6a	12/05/88	CO	<	0.00300	MG/L	0.0000
6a	03/10/89	CO	<	0.00500	MG/L	0.0000
6a	06/09/89	CO	<	0.00300	MG/L	0.0000
6a	09/01/89	CO	<	0.00300	MG/L	0.0000
6a	12/05/88	CR		0.00780	MG/L	0.0000
6a	03/10/89	CR	<	0.01000	MG/L	0.0000
6a	06/09/89	CR		0.01300	MG/L	0.0000
6a	09/01/89	CR	<	0.00300	MG/L	0.0000
6a	12/05/88	CU	<	0.01000	MG/L	0.0000
6a	03/10/89	CU	<	0.00400	MG/L	0.0000
6a	06/09/89	CU	<	0.01000	MG/L	0.0000
6a	09/01/89	CU	<	0.00800	MG/L	0.0000
6a	12/05/88	FE		0.06000	MG/L	0.0000
6a	03/10/89	FE	<	0.00400	MG/L	0.0000
6a	06/09/89	FE	<	0.01000	MG/L	0.0000
6a	09/01/89	FE	<	0.01000	MG/L	0.0000
6a	12/05/88	FLUORIDE	<	1.00000	MG/L	0.0000
6a	03/10/89	FLUORIDE	<	1.00000	MG/L	0.0000
6a	06/09/89	FLUORIDE	<	1.00000	MG/L	0.0000
6a	09/01/89	FLUORIDE	<	1.00000	MG/L	0.0000
6a	12/05/88	G-ALPHA		0.54000	BQ/L	0.8600
6a	03/10/89	G-ALPHA		0.02000	BQ/L	0.0400
6a	06/09/89	G-ALPHA		0.31000	BQ/L	0.1200
6a	09/01/89	G-ALPHA		0.70000	BQ/L	1.1000
6a	12/05/88	G-BETA		1.40000	BQ/L	1.1000
6a	03/10/89	G-BETA		0.04000	BQ/L	0.1200
6a	06/09/89	G-BETA		0.44000	BQ/L	0.1900
6a	09/01/89	G-BETA		-0.10000	BQ/L	2.2000
6a	12/05/88	GA	<	0.30000	MG/L	0.0000
6a	12/05/88	HG	<	0.00010	UG/ML	0.0000
6a	03/10/89	HG	<	0.00010	UG/ML	0.0000
6a	06/09/89	HG	<	0.00010	UG/ML	0.0000
6a	09/01/89	HG	<	0.00010	UG/ML	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
6a	12/05/88	LI	<	0.20000	MG/L	0.0000
6a	03/10/89	LI	<	0.00400	MG/L	0.0000
6a	06/09/89	LI	<	15.00000	MG/L	0.0000
6a	09/01/89	LI	<	15.00000	MG/L	0.0000
6a	12/05/88	MG		7.00000	MG/L	0.0000
6a	03/10/89	MG		2.00000	MG/L	0.0000
6a	06/09/89	MG		3.10000	MG/L	0.0000
6a	09/01/89	MG		6.30000	MG/L	0.0000
6a	12/05/88	MN		0.01100	MG/L	0.0000
6a	03/10/89	MN		0.00400	MG/L	0.0000
6a	06/09/89	MN		0.01400	MG/L	0.0000
6a	09/01/89	MN	<	0.00200	MG/L	0.0000
6a	12/05/88	MO	<	0.04000	MG/L	0.0000
6a	03/10/89	MO	<	0.01000	MG/L	0.0000
6a	06/09/89	MO	<	0.04000	MG/L	0.0000
6a	09/01/89	MO	<	0.04000	MG/L	0.0000
6a	12/05/88	NA		0.36000	MG/L	0.0000
6a	03/10/89	NA		0.48000	MG/L	0.0000
6a	06/09/89	NA	<	2.00000	MG/L	0.0000
6a	09/01/89	NA	<	2.00000	MG/L	0.0000
6a	12/05/88	NI		0.00640	MG/L	0.0000
6a	03/10/89	NI	<	0.01000	MG/L	0.0000
6a	06/09/89	NI	<	0.00600	MG/L	0.0000
6a	09/01/89	NI	<	0.00600	MG/L	0.0000
6a	12/05/88	NITRATE	<	5.00000	MG/L	0.0000
6a	03/10/89	NITRATE	<	5.00000	MG/L	0.0000
6a	06/09/89	NITRATE	<	0.50000	UG/ML	0.0000
6a	12/05/88	P	<	0.30000	MG/L	0.0000
6a	03/10/89	P	<	0.20000	MG/L	0.0000
6a	06/09/89	P	<	0.30000	MG/L	0.0000
6a	09/01/89	P	<	0.30000	MG/L	0.0000
6a	12/05/88	PB	<	0.05000	MG/L	0.0000
6a	03/10/89	PB	<	0.05000	MG/L	0.0000
6a	06/09/89	PB	<	0.03000	MG/L	0.0000
6a	09/01/89	PB	<	0.03000	MG/L	0.0000
6a	12/05/88	PHOSPHATE	<	5.00000	MG/L	0.0000
6a	03/10/89	PHOSPHATE	<	5.00000	MG/L	0.0000
6a	06/09/89	PHOSPHATE	<	0.30000	UG/ML	0.0000
6a	12/05/88	SB	<	0.03000	MG/L	0.0000
6a	03/10/89	SB	<	0.03000	MG/L	0.0000
6a	06/09/89	SB	<	0.04000	MG/L	0.0000
6a	09/01/89	SB	<	0.04000	MG/L	0.0000
6a	12/05/88	SE	<	0.00500	UG/ML	0.0000
6a	03/10/89	SE	<	0.00500	UG/ML	0.0000
6a	06/09/89	SE	<	0.00500	UG/ML	0.0000
6a	09/01/89	SE	<	0.08000	MG/L	0.0000
6a	12/05/88	SI		3.20000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
6a	03/10/89	SI		3.80000	MG/L	0.0000
6a	06/09/89	SI		4.00000	MG/L	0.0000
6a	12/05/88	SN	<	0.05000	MG/L	0.0000
6a	06/09/89	SN	<	0.05000	MG/L	0.0000
6a	09/01/89	SN	<	0.05000	MG/L	0.0000
6a	12/05/88	SR		0.01100	MG/L	0.0000
6a	03/10/89	SR		0.00200	MG/L	0.0000
6a	06/09/89	SR	<	0.00500	MG/L	0.0000
6a	09/01/89	SR		0.00840	MG/L	0.0000
6a	12/05/88	SULFATE	<	5.00000	MG/L	0.0000
6a	03/10/89	SULFATE	<	5.00000	MG/L	0.0000
6a	06/09/89	SULFATE	<	5.00000	MG/L	0.0000
6a	09/01/89	SULFATE	<	5.00000	MG/L	0.0000
6a	12/05/88	TI	<	0.02000	MG/L	0.0000
6a	03/10/89	TI	<	0.00300	MG/L	0.0000
6a	06/09/89	TI	<	0.02000	MG/L	0.0000
6a	09/01/89	TI	<	0.02000	MG/L	0.0000
6a	12/05/88	TOC	<	0.50000	UG/ML	0.0000
6a	03/10/89	TOC	<	0.50000	UG/ML	0.0000
6a	06/09/89	TOC	<	0.50000	UG/ML	0.0000
6a	09/01/89	TOC	<	0.50000	UG/ML	0.0000
6a	12/05/88	TOTAL URANIUM		0.00100	MG/L	0.0000
6a	03/10/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
6a	06/09/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
6a	09/01/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
6a	12/05/88	TOX	<	5.00000	UG/L	0.0000
6a	03/10/89	TOX	<	5.00000	UG/L	0.0000
6a	06/09/89	TOX	<	5.00000	UG/L	0.0000
6a	09/01/89	TOX	<	5.00000	UG/L	0.0000
6a	12/05/88	TRITIUM		-1.00000	BQ/L	50.0000
6a	03/10/89	TRITIUM		8.00000	BQ/L	32.0000
6a	06/09/89	TRITIUM		58.00000	BQ/L	31.0000
6a	09/01/89	TRITIUM		23.00000	BQ/L	34.0000
6a	12/05/88	V		0.00440	MG/L	0.0000
6a	03/10/89	V	<	0.00400	MG/L	0.0000
6a	06/09/89	V	<	0.00400	MG/L	0.0000
6a	09/01/89	V	<	0.00300	MG/L	0.0000
6a	12/05/88	ZN		0.01800	MG/L	0.0000
6a	03/10/89	ZN		0.02900	MG/L	0.0000
6a	06/09/89	ZN	<	0.00800	MG/L	0.0000
6a	09/01/89	ZN		0.09600	MG/L	0.0000
6a	12/05/88	ZR	<	0.02000	MG/L	0.0000
6a	03/10/89	ZR	<	0.00500	MG/L	0.0000
6a	06/09/89	ZR	<	0.02000	MG/L	0.0000
6a	09/01/89	ZR	<	0.02000	MG/L	0.0000
6b	12/05/88	AG	<	0.00500	MG/L	0.0000
6b	03/14/89	AG		0.00720	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
6b	12/05/88	AL		0.16000	MG/L	0.0000
6b	03/14/89	AL		0.14000	MG/L	0.0000
6b	12/05/88	ALKALINITY		145.00000	MG CACO3/L	0.0000
6b	03/14/89	ALKALINITY		118.80000	MG CACO3/L	0.0000
6b	12/05/88	AS	<	0.01000	UG/ML	0.0000
6b	03/14/89	AS	<	0.01000	UG/ML	0.0000
6b	12/05/88	B	<	0.08000	MG/L	0.0000
6b	03/14/89	B	<	0.08000	MG/L	0.0000
6b	12/05/88	BA		0.09300	MG/L	0.0000
6b	03/14/89	BA		0.02900	MG/L	0.0000
6b	12/05/88	BE	<	0.00030	MG/L	0.0000
6b	03/14/89	BE	<	0.00030	MG/L	0.0000
6b	12/05/88	CA		27.00000	MG/L	0.0000
6b	03/14/89	CA		15.00000	MG/L	0.0000
6b	12/05/88	CD	<	0.00200	MG/L	0.0000
6b	03/14/89	CD	<	0.00200	MG/L	0.0000
6b	12/05/88	CHLORIDE		1.00000	MG/L	0.0000
6b	03/14/89	CHLORIDE		1.00000	MG/L	0.0000
6b	12/05/88	CO	<	0.00300	MG/L	0.0000
6b	03/14/89	CO	<	0.00300	MG/L	0.0000
6b	12/05/88	CR		0.00810	MG/L	0.0000
6b	03/14/89	CR		0.02100	MG/L	0.0000
6b	12/05/88	CU	<	0.01000	MG/L	0.0000
6b	03/14/89	CU	<	0.01000	MG/L	0.0000
6b	12/05/88	FE		0.01600	MG/L	0.0000
6b	03/14/89	FE	<	0.01000	MG/L	0.0000
6b	12/05/88	FLUORIDE	<	1.00000	MG/L	0.0000
6b	03/14/89	FLUORIDE	<	1.00000	MG/L	0.0000
6b	12/05/88	G-ALPHA		0.10000	BQ/L	0.3400
6b	03/14/89	G-ALPHA		0.03300	BQ/L	0.0670
6b	12/05/88	G-BETA		0.91000	BQ/L	0.8200
6b	03/14/89	G-BETA		0.10000	BQ/L	0.1600
6b	12/05/88	GA	<	0.30000	MG/L	0.0000
6b	03/14/89	GA	<	0.30000	MG/L	0.0000
6b	12/05/88	HG	<	0.00010	UG/ML	0.0000
6b	03/14/89	HG	<	0.00010	UG/ML	0.0000
6b	12/05/88	LI	<	0.20000	MG/L	0.0000
6b	03/14/89	LI	<	0.20000	MG/L	0.0000
6b	12/05/88	MG		16.00000	MG/L	0.0000
6b	03/14/89	MG		14.00000	MG/L	0.0000
6b	12/05/88	MN		0.00290	MG/L	0.0000
6b	03/14/89	MN	<	0.00200	MG/L	0.0000
6b	12/05/88	MO	<	0.04000	MG/L	0.0000
6b	03/14/89	MO	<	0.04000	MG/L	0.0000
6b	12/05/88	NA		0.33000	MG/L	0.0000
6b	12/05/88	NI		0.00530	MG/L	0.0000
6b	03/14/89	NI		0.01900	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
6b	12/05/88	NITRATE	<	5.00000	MG/L	0.0000
6b	03/14/89	NITRATE	<	5.00000	MG/L	0.0000
6b	12/05/88	P	<	0.30000	MG/L	0.0000
6b	03/14/89	P	<	0.30000	MG/L	0.0000
6b	12/05/88	PB	<	0.05000	MG/L	0.0000
6b	03/14/89	PB	<	0.05000	MG/L	0.0000
6b	12/05/88	PHOSPHATE	<	5.00000	MG/L	0.0000
6b	03/14/89	PHOSPHATE	<	5.00000	MG/L	0.0000
6b	12/05/88	SB	<	0.03000	MG/L	0.0000
6b	03/14/89	SB	<	0.03000	MG/L	0.0000
6b	12/05/88	SE	<	0.00500	UG/ML	0.0000
6b	03/14/89	SE	<	0.00500	UG/ML	0.0000
6b	12/05/88	SI		3.30000	MG/L	0.0000
6b	03/14/89	SI		3.40000	MG/L	0.0000
6b	12/05/88	SN	<	0.05000	MG/L	0.0000
6b	03/14/89	SN	<	0.05000	MG/L	0.0000
6b	12/05/88	SR		0.02200	MG/L	0.0000
6b	03/14/89	SR		0.00820	MG/L	0.0000
6b	12/05/88	SULFATE	<	5.00000	MG/L	0.0000
6b	03/14/89	SULFATE	<	5.00000	MG/L	0.0000
6b	12/05/88	TI	<	0.02000	MG/L	0.0000
6b	03/14/89	TI	<	0.02000	MG/L	0.0000
6b	12/05/88	TOC		0.60000	UG/ML	0.0000
6b	03/14/89	TOC		0.70000	UG/ML	0.0000
6b	12/05/88	TOTAL URANIUM		0.00100	MG/L	0.0000
6b	03/14/89	TOTAL URANIUM		0.00200	MG/L	0.0000
6b	12/05/88	TOX	<	5.00000	UG/L	0.0000
6b	03/14/89	TOX	<	5.00000	UG/L	0.0000
6b	12/05/88	TRITIUM		12.00000	BQ/L	50.0000
6b	03/14/89	TRITIUM		23.00000	BQ/L	32.0000
6b	12/05/88	V		0.01100	MG/L	0.0000
6b	03/14/89	V	<	0.00400	MG/L	0.0000
6b	12/05/88	ZN		0.00800	MG/L	0.0000
6b	03/14/89	ZN	<	0.00800	MG/L	0.0000
6b	12/05/88	ZR	<	0.02000	MG/L	0.0000
6b	03/14/89	ZR	<	0.02000	MG/L	0.0000
9a	03/13/89	AG	<	0.00500	MG/L	0.0000
9a	06/12/89	AG	<	0.00500	MG/L	0.0000
9a	09/07/89	AG	<	0.00500	MG/L	0.0000
9a	03/13/89	AL		0.08200	MG/L	0.0000
9a	06/12/89	AL	<	2.00000	MG/L	0.0000
9a	09/07/89	AL		0.05700	MG/L	0.0000
9a	03/13/89	ALKALINITY		41.25000	MG CACO3/L	0.0000
9a	06/12/89	ALKALINITY		28.50000	MG CACO3/L	0.0000
9a	09/07/89	ALKALINITY		42.50000	MG CACO3/L	0.0000
9a	03/13/89	AS	<	0.01000	UG/ML	0.0000
9a	06/12/89	AS	<	0.01000	UG/ML	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
9a	09/07/89	AS	<	0.05000	MG/L	0.0000
9a	03/13/89	B	<	0.08000	MG/L	0.0000
9a	06/12/89	B	<	0.08000	MG/L	0.0000
9a	09/07/89	B	<	0.08000	MG/L	0.0000
9a	03/13/89	BA	<	0.00200	MG/L	0.0000
9a	06/12/89	BA		0.02400	MG/L	0.0000
9a	09/07/89	BA		0.00840	MG/L	0.0000
9a	03/13/89	BE	<	0.00030	MG/L	0.0000
9a	06/12/89	BE		0.02900	MG/L	0.0000
9a	09/07/89	BE	<	0.00050	MG/L	0.0000
9a	03/13/89	CA		9.00000	MG/L	0.0000
9a	06/12/89	CA		7.40000	MG/L	0.0000
9a	09/07/89	CA		8.80000	MG/L	0.0000
9a	03/13/89	CD	<	0.00200	MG/L	0.0000
9a	06/12/89	CD		0.00820	MG/L	0.0000
9a	09/07/89	CD	<	0.00200	MG/L	0.0000
9a	03/13/89	CHLORIDE		1.20000	MG/L	0.0000
9a	06/12/89	CHLORIDE		1.20000	MG/L	0.0000
9a	09/07/89	CHLORIDE		1.20000	MG/L	0.0000
9a	03/13/89	CO		0.00470	MG/L	0.0000
9a	06/12/89	CO	<	0.00300	MG/L	0.0000
9a	09/07/89	CO	<	0.00300	MG/L	0.0000
9a	03/13/89	CR		0.01200	MG/L	0.0000
9a	06/12/89	CR		0.01300	MG/L	0.0000
9a	09/07/89	CR		0.00810	MG/L	0.0000
9a	03/13/89	CU	<	0.01000	MG/L	0.0000
9a	06/12/89	CU	<	0.01000	MG/L	0.0000
9a	09/07/89	CU	<	0.00800	MG/L	0.0000
9a	03/13/89	FE		0.01800	MG/L	0.0000
9a	06/12/89	FE	<	0.01000	MG/L	0.0000
9a	09/07/89	FE		0.11000	MG/L	0.0000
9a	03/13/89	FLUORIDE	<	1.00000	MG/L	0.0000
9a	06/12/89	FLUORIDE	<	1.00000	MG/L	0.0000
9a	09/07/89	FLUORIDE	<	1.00000	MG/L	0.0000
9a	03/13/89	G-ALPHA		0.03200	BQ/L	0.0660
9a	06/12/89	G-ALPHA		0.09400	BQ/L	0.0730
9a	09/07/89	G-ALPHA		1.00000	BQ/L	1.3000
9a	03/13/89	G-BETA		0.10000	BQ/L	0.1800
9a	06/12/89	G-BETA		0.15000	BQ/L	0.1400
9a	09/07/89	G-BETA		-0.30000	BQ/L	2.1000
9a	03/13/89	GA	<	0.30000	MG/L	0.0000
9a	03/13/89	HG	<	0.00010	UG/ML	0.0000
9a	06/12/89	HG	<	0.00010	UG/ML	0.0000
9a	09/07/89	HG	<	0.00010	UG/ML	0.0000
9a	03/13/89	LI	<	0.20000	MG/L	0.0000
9a	06/12/89	LI	<	15.00000	MG/L	0.0000
9a	09/07/89	LI	<	15.00000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
9a	03/13/89	MG		4.50000	MG/L	0.0000
9a	06/12/89	MG		4.00000	MG/L	0.0000
9a	09/07/89	MG		4.30000	MG/L	0.0000
9a	03/13/89	MN		0.00720	MG/L	0.0000
9a	06/12/89	MN		0.01200	MG/L	0.0000
9a	09/07/89	MN		0.03000	MG/L	0.0000
9a	03/13/89	MO	<	0.04000	MG/L	0.0000
9a	06/12/89	MO	<	0.04000	MG/L	0.0000
9a	09/07/89	MO	<	0.04000	MG/L	0.0000
9a	06/12/89	NA	<	2.00000	MG/L	0.0000
9a	09/07/89	NA	<	2.00000	MG/L	0.0000
9a	03/13/89	NI		0.01800	MG/L	0.0000
9a	06/12/89	NI	<	0.00600	MG/L	0.0000
9a	09/07/89	NI	<	0.00600	MG/L	0.0000
9a	03/13/89	NITRATE	<	5.00000	MG/L	0.0000
9a	06/12/89	NITRATE	<	0.50000	UG/ML	0.0000
9a	09/07/89	NITRATE	<	5.00000	MG/L	0.0000
9a	03/13/89	P	<	0.30000	MG/L	0.0000
9a	06/12/89	P	<	0.30000	MG/L	0.0000
9a	09/07/89	P	<	0.30000	MG/L	0.0000
9a	03/13/89	PB	<	0.05000	MG/L	0.0000
9a	06/12/89	PB	<	0.03000	MG/L	0.0000
9a	09/07/89	PB	<	0.03000	MG/L	0.0000
9a	03/13/89	PHOSPHATE	<	5.00000	MG/L	0.0000
9a	06/12/89	PHOSPHATE		5.00000	MG/L	0.0000
9a	06/12/89	PHOSPHATE	<	0.30000	UG/ML	0.0000
9a	09/07/89	PHOSPHATE	<	5.00000	MG/L	0.0000
9a	03/13/89	SB	<	0.03000	MG/L	0.0000
9a	06/12/89	SB	<	0.04000	MG/L	0.0000
9a	09/07/89	SB	<	0.04000	MG/L	0.0000
9a	03/13/89	SE	<	0.00500	UG/ML	0.0000
9a	06/12/89	SE	<	0.00500	UG/ML	0.0000
9a	09/07/89	SE	<	0.08000	MG/L	0.0000
9a	03/13/89	SI		3.90000	MG/L	0.0000
9a	06/12/89	SI		4.30000	MG/L	0.0000
9a	09/07/89	SI		3.50000	MG/L	0.0000
9a	03/13/89	SN	<	0.05000	MG/L	0.0000
9a	06/12/89	SN	<	0.05000	MG/L	0.0000
9a	09/07/89	SN	<	0.05000	MG/L	0.0000
9a	03/13/89	SR	<	0.00500	MG/L	0.0000
9a	06/12/89	SR	<	0.00500	MG/L	0.0000
9a	09/07/89	SR		0.00800	MG/L	0.0000
9a	03/13/89	SULFATE	<	5.00000	MG/L	0.0000
9a	06/12/89	SULFATE	<	5.00000	MG/L	0.0000
9a	09/07/89	SULFATE	<	5.00000	MG/L	0.0000
9a	03/13/89	TI	<	0.02000	MG/L	0.0000
9a	06/12/89	TI	<	0.02000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
9a	09/07/89	TI	<	0.02000	MG/L	0.0000
9a	03/13/89	TOC	<	0.50000	UG/ML	0.0000
9a	06/12/89	TOC	<	0.50000	UG/ML	0.0000
9a	09/07/89	TOC		2.50000	UG/ML	0.0000
9a	03/13/89	TOTAL URANIUM		0.00200	MG/L	0.0000
9a	06/12/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
9a	09/07/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
9a	03/13/89	TOX		33.00000	UG/L	0.0000
9a	06/12/89	TOX	<	5.00000	UG/L	0.0000
9a	09/07/89	TOX		360.00000	UG/L	0.0000
9a	03/13/89	TRITIUM		8.00000	BQ/L	31.0000
9a	06/12/89	TRITIUM		37.00000	BQ/L	30.0000
9a	09/07/89	TRITIUM		43.00000	BQ/L	35.0000
9a	03/13/89	V	<	0.00400	MG/L	0.0000
9a	06/12/89	V	<	0.00400	MG/L	0.0000
9a	09/07/89	V	<	0.00300	MG/L	0.0000
9a	03/13/89	ZN	<	0.00800	MG/L	0.0000
9a	06/12/89	ZN	<	0.00800	MG/L	0.0000
9a	09/07/89	ZN		0.01600	MG/L	0.0000
9a	03/13/89	ZR	<	0.02000	MG/L	0.0000
9a	06/12/89	ZR	<	0.02000	MG/L	0.0000
9a	09/07/89	ZR	<	0.02000	MG/L	0.0000
9b	12/07/88	AG	<	0.00500	MG/L	0.0000
9b	03/13/89	AG	<	0.00500	MG/L	0.0000
9b	06/12/89	AG	<	0.00500	MG/L	0.0000
9b	09/01/89	AG	<	0.00500	MG/L	0.0000
9b	12/07/88	AL		0.18000	MG/L	0.0000
9b	03/13/89	AL		0.15000	MG/L	0.0000
9b	06/12/89	AL	<	2.00000	MG/L	0.0000
9b	09/01/89	AL		0.09700	MG/L	0.0000
9b	12/07/88	ALKALINITY		162.50000	MG CACO3/L	0.0000
9b	03/13/89	ALKALINITY		127.50000	MG CACO3/L	0.0000
9b	06/12/89	ALKALINITY		137.50000	MG CACO3/L	0.0000
9b	09/01/89	ALKALINITY		129.00000	MG CACO3/L	0.0000
9b	12/07/88	AS	<	0.01000	UG/ML	0.0000
9b	03/13/89	AS	<	0.01000	UG/ML	0.0000
9b	06/12/89	AS	<	0.01000	UG/ML	0.0000
9b	09/01/89	AS	<	0.05000	MG/L	0.0000
9b	12/07/88	B	<	0.08000	MG/L	0.0000
9b	03/13/89	B	<	0.08000	MG/L	0.0000
9b	06/12/89	B	<	0.08000	MG/L	0.0000
9b	09/01/89	B	<	0.08000	MG/L	0.0000
9b	12/07/88	BA		0.01000	MG/L	0.0000
9b	03/13/89	BA	<	0.00200	MG/L	0.0000
9b	06/12/89	BA		0.02400	MG/L	0.0000
9b	09/01/89	BA		0.00630	MG/L	0.0000
9b	12/07/88	BE	<	0.00030	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
9b	03/13/89	BE	<	0.00030	MG/L	0.0000
9b	06/12/89	BE		0.02900	MG/L	0.0000
9b	09/01/89	BE	<	0.00050	MG/L	0.0000
9b	12/07/88	CA		33.00000	MG/L	0.0000
9b	03/13/89	CA		16.00000	MG/L	0.0000
9b	06/12/89	CA		25.00000	MG/L	0.0000
9b	09/01/89	CA		29.00000	MG/L	0.0000
9b	12/07/88	CD	<	0.00200	MG/L	0.0000
9b	03/13/89	CD	<	0.00200	MG/L	0.0000
9b	06/12/89	CD		0.00830	MG/L	0.0000
9b	09/01/89	CD	<	0.00200	MG/L	0.0000
9b	12/07/88	CHLORIDE		1.00000	MG/L	0.0000
9b	03/13/89	CHLORIDE		1.30000	MG/L	0.0000
9b	06/12/89	CHLORIDE		1.00000	MG/L	0.0000
9b	09/01/89	CHLORIDE		1.00000	MG/L	0.0000
9b	12/07/88	CO	<	0.00300	MG/L	0.0000
9b	03/13/89	CO	<	0.00300	MG/L	0.0000
9b	06/12/89	CO	<	0.00300	MG/L	0.0000
9b	09/01/89	CO	<	0.00300	MG/L	0.0000
9b	12/07/88	CR		0.00780	MG/L	0.0000
9b	03/13/89	CR		0.02200	MG/L	0.0000
9b	06/12/89	CR		0.02100	MG/L	0.0000
9b	09/01/89	CR		0.00340	MG/L	0.0000
9b	12/07/88	CU	<	0.01000	MG/L	0.0000
9b	03/13/89	CU	<	0.01000	MG/L	0.0000
9b	06/12/89	CU	<	0.01000	MG/L	0.0000
9b	09/01/89	CU	<	0.00800	MG/L	0.0000
9b	12/07/88	FE		0.01800	MG/L	0.0000
9b	03/13/89	FE	<	0.01000	MG/L	0.0000
9b	06/12/89	FE	<	0.01000	MG/L	0.0000
9b	09/01/89	FE		0.12000	MG/L	0.0000
9b	12/07/88	FLUORIDE	<	1.00000	MG/L	0.0000
9b	03/13/89	FLUORIDE	<	1.00000	MG/L	0.0000
9b	06/12/89	FLUORIDE	<	1.00000	MG/L	0.0000
9b	09/01/89	FLUORIDE	<	1.00000	MG/L	0.0000
9b	12/07/88	G-ALPHA		0.02300	BQ/L	0.0410
9b	03/13/89	G-ALPHA		0.05600	BQ/L	0.0800
9b	06/12/89	G-ALPHA		0.05400	BQ/L	0.0630
9b	09/01/89	G-ALPHA		0.35000	BQ/L	0.8400
9b	12/07/88	G-BETA		0.11000	BQ/L	0.0600
9b	03/13/89	G-BETA		0.10000	BQ/L	0.1800
9b	06/12/89	G-BETA		0.35000	BQ/L	0.1600
9b	09/01/89	G-BETA		0.11000	BQ/L	2.1000
9b	12/07/88	GA	<	0.30000	MG/L	0.0000
9b	03/13/89	GA	<	0.30000	MG/L	0.0000
9b	12/07/88	HG	<	0.00010	UG/ML	0.0000
9b	03/13/89	HG	<	0.00010	UG/ML	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
9b	06/12/89	HG	<	0.00010	UG/ML	0.0000
9b	09/01/89	HG	<	0.00010	UG/ML	0.0000
9b	12/07/88	LI	<	0.20000	MG/L	0.0000
9b	03/13/89	LI	<	0.20000	MG/L	0.0000
9b	06/12/89	LI	<	15.00000	MG/L	0.0000
9b	09/01/89	LI	<	15.00000	MG/L	0.0000
9b	12/07/88	MG		21.00000	MG/L	0.0000
9b	03/13/89	MG		16.00000	MG/L	0.0000
9b	06/12/89	MG		15.00000	MG/L	0.0000
9b	09/01/89	MG		16.00000	MG/L	0.0000
9b	12/07/88	MN		0.01400	MG/L	0.0000
9b	03/13/89	MN		0.00410	MG/L	0.0000
9b	06/12/89	MN		0.01100	MG/L	0.0000
9b	09/01/89	MN		0.00260	MG/L	0.0000
9b	12/07/88	MO	<	0.04000	MG/L	0.0000
9b	03/13/89	MO	<	0.04000	MG/L	0.0000
9b	06/12/89	MO	<	0.04000	MG/L	0.0000
9b	09/01/89	MO	<	0.04000	MG/L	0.0000
9b	12/07/88	NA		0.78000	MG/L	0.0000
9b	06/12/89	NA	<	2.00000	MG/L	0.0000
9b	09/01/89	NA	<	2.00000	MG/L	0.0000
9b	12/07/88	NI	<	0.00500	MG/L	0.0000
9b	03/13/89	NI		0.02000	MG/L	0.0000
9b	06/12/89	NI	<	0.00600	MG/L	0.0000
9b	09/01/89	NI	<	0.00600	MG/L	0.0000
9b	12/07/88	NITRATE	<	5.00000	MG/L	0.0000
9b	03/13/89	NITRATE	<	5.00000	MG/L	0.0000
9b	06/12/89	NITRATE	<	0.50000	UG/ML	0.0000
9b	12/07/88	P	<	0.30000	MG/L	0.0000
9b	03/13/89	P	<	0.30000	MG/L	0.0000
9b	06/12/89	P	<	0.30000	MG/L	0.0000
9b	09/01/89	P	<	0.30000	MG/L	0.0000
9b	12/07/88	PB	<	0.05000	MG/L	0.0000
9b	03/13/89	PB	<	0.05000	MG/L	0.0000
9b	06/12/89	PB	<	0.03000	MG/L	0.0000
9b	09/01/89	PB	<	0.03000	MG/L	0.0000
9b	12/07/88	PHOSPHATE	<	5.00000	MG/L	0.0000
9b	03/13/89	PHOSPHATE	<	5.00000	MG/L	0.0000
9b	06/12/89	PHOSPHATE	<	0.30000	UG/ML	0.0000
9b	12/07/88	SB	<	0.03000	MG/L	0.0000
9b	03/13/89	SB	<	0.03000	MG/L	0.0000
9b	06/12/89	SB	<	0.04000	MG/L	0.0000
9b	09/01/89	SB	<	0.04000	MG/L	0.0000
9b	12/07/88	SE	<	0.00500	UG/ML	0.0000
9b	03/13/89	SE	<	0.00500	UG/ML	0.0000
9b	06/12/89	SE	<	0.00500	UG/ML	0.0000
9b	09/01/89	SE	<	0.08000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
9b	12/07/88	SI		4.20000	MG/L	0.0000
9b	03/13/89	SI		3.70000	MG/L	0.0000
9b	06/12/89	SI		3.50000	MG/L	0.0000
9b	12/07/88	SN	<	0.05000	MG/L	0.0000
9b	03/13/89	SN	<	0.05000	MG/L	0.0000
9b	06/12/89	SN	<	0.05000	MG/L	0.0000
9b	09/01/89	SN	<	0.05000	MG/L	0.0000
9b	12/07/88	SR		0.01100	MG/L	0.0000
9b	03/13/89	SR	<	0.00500	MG/L	0.0000
9b	06/12/89	SR	<	0.00500	MG/L	0.0000
9b	09/01/89	SR		0.00970	MG/L	0.0000
9b	12/07/88	SULFATE	<	5.00000	MG/L	0.0000
9b	03/13/89	SULFATE	<	5.00000	MG/L	0.0000
9b	06/12/89	SULFATE	<	5.00000	MG/L	0.0000
9b	09/01/89	SULFATE	<	5.00000	MG/L	0.0000
9b	12/07/88	TI	<	0.02000	MG/L	0.0000
9b	03/13/89	TI	<	0.02000	MG/L	0.0000
9b	06/12/89	TI	<	0.02000	MG/L	0.0000
9b	09/01/89	TI	<	0.02000	MG/L	0.0000
9b	12/07/88	TOC		1.20000	UG/ML	0.0000
9b	03/13/89	TOC	<	0.50000	UG/ML	0.0000
9b	06/12/89	TOC		0.50000	UG/ML	0.0000
9b	09/01/89	TOC		0.70000	UG/ML	0.0000
9b	12/07/88	TOTAL URANIUM		0.00100	MG/L	0.0000
9b	03/13/89	TOTAL URANIUM		0.00300	MG/L	0.0000
9b	06/12/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
9b	09/01/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
9b	03/13/89	TOX	<	5.00000	UG/L	0.0000
9b	06/12/89	TOX	<	5.00000	UG/L	0.0000
9b	09/01/89	TOX	<	5.00000	UG/L	0.0000
9b	12/07/88	TRITIUM		-5.00000	BQ/L	44.0000
9b	03/13/89	TRITIUM		31.00000	BQ/L	32.0000
9b	06/12/89	TRITIUM		29.00000	BQ/L	30.0000
9b	09/01/89	TRITIUM		0.00000	BQ/L	34.0000
9b	12/07/88	V		0.01300	MG/L	0.0000
9b	03/13/89	V	<	0.00400	MG/L	0.0000
9b	06/12/89	V	<	0.00400	MG/L	0.0000
9b	09/01/89	V	<	0.00300	MG/L	0.0000
9b	12/07/88	ZN		0.01800	MG/L	0.0000
9b	03/13/89	ZN	<	0.00800	MG/L	0.0000
9b	06/12/89	ZN	<	0.00800	MG/L	0.0000
9b	09/01/89	ZN		0.04600	MG/L	0.0000
9b	12/07/88	ZR	<	0.02000	MG/L	0.0000
9b	03/13/89	ZR	<	0.02000	MG/L	0.0000
9b	06/12/89	ZR	<	0.02000	MG/L	0.0000
9b	09/01/89	ZR	<	0.02000	MG/L	0.0000
pw-6	12/05/88	AG	<	0.00500	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
pw-6	03/10/89	AG	<	0.00600	MG/L	0.0000
pw-6	06/26/89	AG	<	0.00500	MG/L	0.0000
pw-6	09/01/89	AG	<	0.00500	MG/L	0.0000
pw-6	12/05/88	AL		0.12000	MG/L	0.0000
pw-6	03/10/89	AL	<	0.02000	MG/L	0.0000
pw-6	06/26/89	AL		0.19000	MG/L	0.0000
pw-6	09/01/89	AL		0.07800	MG/L	0.0000
pw-6	12/05/88	ALKALINITY		95.00000	MG CACO3/L	0.0000
pw-6	03/10/89	ALKALINITY		68.80000	MG CACO3/L	0.0000
pw-6	06/26/89	ALKALINITY		138.00000	MG CACO3/L	0.0000
pw-6	09/01/89	ALKALINITY		61.00000	MG CACO3/L	0.0000
pw-6	12/05/88	AS	<	0.01000	UG/ML	0.0000
pw-6	03/10/89	AS	<	0.01000	UG/ML	0.0000
pw-6	06/26/89	AS	<	0.01000	UG/ML	0.0000
pw-6	09/01/89	AS	<	0.05000	MG/L	0.0000
pw-6	12/05/88	B	<	0.08000	MG/L	0.0000
pw-6	03/10/89	B		0.01000	MG/L	0.0000
pw-6	06/26/89	B	<	0.08000	MG/L	0.0000
pw-6	09/01/89	B	<	0.08000	MG/L	0.0000
pw-6	12/05/88	BA		0.04100	MG/L	0.0000
pw-6	03/10/89	BA		0.01500	MG/L	0.0000
pw-6	06/26/89	BA		0.07600	MG/L	0.0000
pw-6	09/01/89	BA		0.05900	MG/L	0.0000
pw-6	12/05/88	BE	<	0.00030	MG/L	0.0000
pw-6	03/10/89	BE	<	0.00030	MG/L	0.0000
pw-6	06/26/89	BE	<	0.00040	MG/L	0.0000
pw-6	09/01/89	BE	<	0.00050	MG/L	0.0000
pw-6	12/05/88	CA		20.00000	MG/L	0.0000
pw-6	03/10/89	CA		13.40000	MG/L	0.0000
pw-6	06/26/89	CA		31.00000	MG/L	0.0000
pw-6	09/01/89	CA		29.00000	MG/L	0.0000
pw-6	12/05/88	CD	<	0.00200	MG/L	0.0000
pw-6	03/10/89	CD	<	0.00300	MG/L	0.0000
pw-6	06/26/89	CD	<	0.00200	MG/L	0.0000
pw-6	09/01/89	CD	<	0.00200	MG/L	0.0000
pw-6	12/05/88	CHLORIDE		1.20000	MG/L	0.0000
pw-6	03/10/89	CHLORIDE		1.40000	MG/L	0.0000
pw-6	06/26/89	CHLORIDE		1.00000	MG/L	0.0000
pw-6	09/01/89	CHLORIDE		1.00000	MG/L	0.0000
pw-6	12/05/88	CO	<	0.00300	MG/L	0.0000
pw-6	03/10/89	CO	<	0.00500	MG/L	0.0000
pw-6	06/26/89	CO	<	0.00300	MG/L	0.0000
pw-6	09/01/89	CO	<	0.00300	MG/L	0.0000
pw-6	12/05/88	CR		0.00500	MG/L	0.0000
pw-6	03/10/89	CR	<	0.01000	MG/L	0.0000
pw-6	06/26/89	CR		0.00670	MG/L	0.0000
pw-6	09/01/89	CR	<	0.00300	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
pw-6	12/05/88	CU	<	0.01000	MG/L	0.0000
pw-6	03/10/89	CU	<	0.00400	MG/L	0.0000
pw-6	06/26/89	CU	<	0.01000	MG/L	0.0000
pw-6	09/01/89	CU	<	0.00800	MG/L	0.0000
pw-6	12/05/88	FE		0.01800	MG/L	0.0000
pw-6	03/10/89	FE		0.10000	MG/L	0.0000
pw-6	06/26/89	FE	<	0.01000	MG/L	0.0000
pw-6	09/01/89	FE	<	0.01000	MG/L	0.0000
pw-6	12/05/88	FLUORIDE	<	1.00000	MG/L	0.0000
pw-6	03/10/89	FLUORIDE	<	1.00000	MG/L	0.0000
pw-6	06/26/89	FLUORIDE	<	1.00000	MG/L	0.0000
pw-6	09/01/89	FLUORIDE	<	1.00000	MG/L	0.0000
pw-6	12/05/88	G-ALPHA		0.20000	BQ/L	0.4300
pw-6	03/10/89	G-ALPHA		0.00900	BQ/L	0.0340
pw-6	06/26/89	G-ALPHA		0.13000	BQ/L	0.0800
pw-6	09/01/89	G-ALPHA		0.26000	BQ/L	0.7800
pw-6	12/05/88	G-BETA		0.00000	BQ/L	0.3000
pw-6	03/10/89	G-BETA		0.02000	BQ/L	0.1300
pw-6	06/26/89	G-BETA		-0.01000	BQ/L	0.1100
pw-6	09/01/89	G-BETA		0.30000	BQ/L	2.0000
pw-6	12/05/88	GA	<	0.30000	MG/L	0.0000
pw-6	12/05/88	HG		0.00010	UG/ML	0.0000
pw-6	03/10/89	HG	<	0.00010	UG/ML	0.0000
pw-6	06/26/89	HG	<	0.00010	UG/ML	0.0000
pw-6	09/01/89	HG	<	0.00010	UG/ML	0.0000
pw-6	12/05/88	LI	<	0.20000	MG/L	0.0000
pw-6	03/10/89	LI	<	0.00400	MG/L	0.0000
pw-6	06/26/89	LI	<	15.00000	MG/L	0.0000
pw-6	09/01/89	LI	<	15.00000	MG/L	0.0000
pw-6	12/05/88	MG		10.00000	MG/L	0.0000
pw-6	03/10/89	MG		7.90000	MG/L	0.0000
pw-6	06/26/89	MG		15.00000	MG/L	0.0000
pw-6	09/01/89	MG		14.00000	MG/L	0.0000
pw-6	12/05/88	MN		0.05100	MG/L	0.0000
pw-6	03/10/89	MN	<	0.00100	MG/L	0.0000
pw-6	06/26/89	MN		0.02100	MG/L	0.0000
pw-6	09/01/89	MN		0.00580	MG/L	0.0000
pw-6	12/05/88	MO	<	0.04000	MG/L	0.0000
pw-6	03/10/89	MO	<	0.01000	MG/L	0.0000
pw-6	06/26/89	MO	<	0.04000	MG/L	0.0000
pw-6	09/01/89	MO	<	0.04000	MG/L	0.0000
pw-6	12/05/88	NA		0.46000	MG/L	0.0000
pw-6	03/10/89	NA		0.48000	MG/L	0.0000
pw-6	06/26/89	NA	<	2.00000	MG/L	0.0000
pw-6	09/01/89	NA	<	2.00000	MG/L	0.0000
pw-6	12/05/88	NI		0.00500	MG/L	0.0000
pw-6	03/10/89	NI	<	0.01000	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
pw-6	06/26/89	NI	<	0.00600	MG/L	0.0000
pw-6	09/01/89	NI	<	0.00600	MG/L	0.0000
pw-6	12/05/88	NITRATE	<	5.00000	MG/L	0.0000
pw-6	03/10/89	NITRATE	<	5.00000	MG/L	0.0000
pw-6	06/26/89	NITRATE	<	5.00000	MG/L	0.0000
pw-6	12/05/88	P	<	0.30000	MG/L	0.0000
pw-6	03/10/89	P	<	0.20000	MG/L	0.0000
pw-6	06/26/89	P	<	0.30000	MG/L	0.0000
pw-6	09/01/89	P	<	0.30000	MG/L	0.0000
pw-6	12/05/88	PB	<	0.05000	MG/L	0.0000
pw-6	03/10/89	PB	<	0.05000	MG/L	0.0000
pw-6	06/26/89	PB	<	0.03000	MG/L	0.0000
pw-6	09/01/89	PB	<	0.03000	MG/L	0.0000
pw-6	12/05/88	PHOSPHATE	<	5.00000	MG/L	0.0000
pw-6	03/10/89	PHOSPHATE	<	5.00000	MG/L	0.0000
pw-6	06/26/89	PHOSPHATE	<	5.00000	MG/L	0.0000
pw-6	12/05/88	SB	<	0.03000	MG/L	0.0000
pw-6	03/10/89	SB	<	0.03000	MG/L	0.0000
pw-6	06/26/89	SB	<	0.04000	MG/L	0.0000
pw-6	09/01/89	SB	<	0.04000	MG/L	0.0000
pw-6	12/05/88	SE	<	0.00500	UG/ML	0.0000
pw-6	03/10/89	SE	<	0.00500	UG/ML	0.0000
pw-6	06/26/89	SE	<	0.00500	UG/ML	0.0000
pw-6	09/01/89	SE	<	0.08000	MG/L	0.0000
pw-6	12/05/88	SI		3.10000	MG/L	0.0000
pw-6	03/10/89	SI		3.10000	MG/L	0.0000
pw-6	06/26/89	SI		3.50000	MG/L	0.0000
pw-6	12/05/88	SN	<	0.05000	MG/L	0.0000
pw-6	06/26/89	SN	<	0.05000	MG/L	0.0000
pw-6	09/01/89	SN	<	0.05000	MG/L	0.0000
pw-6	12/05/88	SR		0.01700	MG/L	0.0000
pw-6	03/10/89	SR		0.00800	MG/L	0.0000
pw-6	06/26/89	SR		0.00970	MG/L	0.0000
pw-6	09/01/89	SR		0.01600	MG/L	0.0000
pw-6	12/05/88	SULFATE	<	5.00000	MG/L	0.0000
pw-6	03/10/89	SULFATE	<	5.00000	MG/L	0.0000
pw-6	06/26/89	SULFATE	<	5.00000	MG/L	0.0000
pw-6	09/01/89	SULFATE	<	5.00000	MG/L	0.0000
pw-6	12/05/88	TI	<	0.02000	MG/L	0.0000
pw-6	03/10/89	TI	<	0.00300	MG/L	0.0000
pw-6	06/26/89	TI	<	0.02000	MG/L	0.0000
pw-6	09/01/89	TI	<	0.02000	MG/L	0.0000
pw-6	12/05/88	TOC		1.20000	UG/ML	0.0000
pw-6	03/10/89	TOC	<	0.50000	UG/ML	0.0000
pw-6	06/26/89	TOC		0.70000	UG/ML	0.0000
pw-6	09/01/89	TOC		0.90000	UG/ML	0.0000
pw-6	12/05/88	TOTAL URANIUM		0.00100	MG/L	0.0000

Table 4.7 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
pw-6	03/10/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
pw-6	06/26/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
pw-6	09/01/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
pw-6	12/05/88	TOX	<	5.00000	UG/L	0.0000
pw-6	03/10/89	TOX	<	5.00000	UG/L	0.0000
pw-6	06/26/89	TOX	<	5.00000	UG/L	0.0000
pw-6	09/01/89	TOX	<	5.00000	UG/L	0.0000
pw-6	12/05/88	TRITIUM		32.00000	BQ/L	50.0000
pw-6	03/10/89	TRITIUM		35.00000	BQ/L	33.0000
pw-6	06/26/89	TRITIUM		-5.00000	BQ/L	31.0000
pw-6	09/01/89	TRITIUM		-14.00000	BQ/L	33.0000
pw-6	12/05/88	V		0.00690	MG/L	0.0000
pw-6	03/10/89	V	<	0.00400	MG/L	0.0000
pw-6	06/26/89	V	<	0.00400	MG/L	0.0000
pw-6	09/01/89	V	<	0.00300	MG/L	0.0000
pw-6	12/05/88	ZN		0.02100	MG/L	0.0000
pw-6	03/10/89	ZN		0.01600	MG/L	0.0000
pw-6	06/26/89	ZN	<	0.00800	MG/L	0.0000
pw-6	09/01/89	ZN		0.03000	MG/L	0.0000
pw-6	12/05/88	ZR	<	0.02000	MG/L	0.0000
pw-6	03/10/89	ZR	<	0.00500	MG/L	0.0000
pw-6	06/26/89	ZR	<	0.02000	MG/L	0.0000
pw-6	09/01/89	ZR	<	0.02000	MG/L	0.0000

*Explanation of data qualifiers (QL): "U" indicates compound was analyzed for but not detected. "J" indicates that the quantitative value is estimated. "B" appears for a compound that was detected in both the sample and its associated blank. "E" indicates that the reported concentration of the compound exceeded the calibration range of the instrument.

**The uncertainty value was determined only for the radiological parameters and is a measure of decay counting statistics for the analyses.

Table 4.8

PRECIPITATION SUMMARY, JANUARY -- DECEMBER 1988
ISH CREEK : SITE ID = ISH
Precipitation in mm

DAY	JAN88	FEB88	MAR88	APR88	MAY88	JUN88	JUL88	AUG88	SEP88	OCT88	NOV88	DEC88
1	11.94	0.00	0.00	12.45	0.00	0.00	0.00	0.00	0.00	12.44	0.00	0.00
2	0.00	13.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.84	0.00	0.00
3	8.12	10.46	0.26	5.85	6.85	0.00	4.83	0.00	25.43	0.00	0.00	0.00
4	0.00	16.96	5.07	0.00	8.76	0.00	0.00	2.04	64.35	0.00	43.48	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	18.53	0.00
6	0.00	0.00	0.00	25.41	0.00	0.00	0.00	6.99	0.00	0.00	0.75	0.00
7	17.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00
9	0.00	0.00	2.79	0.00	10.66	11.94	0.00	0.00	0.00	0.00	0.00	10.41
10	0.00	0.00	51.81	0.00	0.63	0.00	0.00	0.00	0.00	0.00	6.35	0.38
11	0.00	4.33	0.00	2.04	0.00	0.00	15.49	31.24	0.00	0.00	0.00	0.00
12	0.51	0.00	13.20	5.97	0.00	0.00	24.13	0.00	0.25	0.00	0.38	0.00
13	1.27	0.00	0.00	0.00	0.00	0.00	45.47	0.00	0.00	0.00	2.03	0.00
14	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	14.60	0.00	4.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.02	0.00	13.22	0.00
17	14.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.89	6.85	0.00	0.00
18	0.00	0.00	2.66	19.43	0.00	0.00	5.08	0.00	0.00	0.00	0.00	0.00
19	74.97	4.82	0.25	4.83	0.00	0.00	0.00	10.16	0.00	0.00	22.23	0.00
20	3.14	0.00	0.00	0.00	0.00	2.41	0.00	12.18	0.00	2.04	18.29	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	36.85	0.00	0.00	8.90	0.00	18.54
22	0.00	0.00	0.00	0.00	1.02	0.00	0.63	0.00	0.00	0.00	0.00	0.25
23	0.00	4.30	0.00	2.03	0.00	0.00	1.52	3.05	0.00	3.55	0.00	9.66
24	0.76	0.00	0.00	0.64	23.88	10.92	0.00	0.00	9.13	0.00	0.00	13.47
25	1.03	0.00	1.52	0.00	2.67	6.99	0.00	0.00	0.00	2.03	0.00	0.00
26	0.00	0.00	2.54	0.00	0.00	0.00	35.56	0.00	0.00	0.00	7.62	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.61	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.74	0.00	9.65
29	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00
30	0.00	.	0.26	0.00	0.00	4.95	0.00	0.00	0.00	0.89	0.00	16.50
31	0.77	.	2.79	.	0.00	.	0.00	0.00	.	1.27	.	28.45
	======	======	======	======	======	======	======	======	======	======	======	======
TOTAL (mm)	135.41	68.68	83.15	83.48	55.48	37.21	170.19	66.30	132.07	50.55	156.51	107.31
TOTAL (in)	5.33	2.70	3.27	3.29	2.18	1.46	6.70	2.61	5.20	1.99	6.16	4.22

1988 TOTAL (mm): 1146.34
1988 TOTAL (in): 45.13

21-Feb-89

Table 4.9. Precipitation summary, January - August 1989
West Chestnut Ridge site: Site ID = ISH
Precipitation (daily totals), measured in mm

Date	Rainfall	Date	Rainfall	Date	Rainfall
01/01/89	0.7600	01/02/89	2.0300	01/03/89	0.5100
01/04/89	0.0000	01/05/89	1.6500	01/06/89	14.0900
01/07/89	0.0000	01/08/89	25.5200	01/09/89	0.5100
01/10/89	1.5300	01/11/89	28.5700	01/12/89	44.0800
01/13/89	10.0300	01/14/89	21.8500	01/15/89	1.0200
01/16/89	0.0000	01/17/89	0.0000	01/18/89	0.0000
01/19/89	0.0000	01/20/89	0.0000	01/21/89	0.0000
01/22/89	0.0000	01/23/89	0.0000	01/24/89	0.0000
01/25/89	0.0000	01/26/89	1.3900	01/27/89	0.0000
01/28/89	0.0000	01/29/89	0.5000	01/30/89	13.6000
01/31/89	0.0000	02/01/89	0.0000	02/02/89	0.0000
02/03/89	3.3000	02/04/89	0.0000	02/05/89	16.3400
02/06/89	15.1300	02/07/89	2.0400	02/08/89	0.0000
02/09/89	0.0000	02/10/89	0.0000	02/11/89	0.0000
02/12/89	0.0000	02/13/89	0.7600	02/14/89	11.5600
02/15/89	0.0000	02/16/89	5.3200	02/17/89	31.3900
02/18/89	6.0700	02/19/89	0.0000	02/20/89	12.0600
02/21/89	22.0900	02/22/89	0.0000	02/23/89	0.0000
02/24/89	0.0000	02/25/89	0.0000	02/26/89	0.0000
02/27/89	23.4900	02/28/89	1.2700	03/01/89	0.0000
03/02/89	0.0000	03/03/89	0.0000	03/04/89	11.4300
03/05/89	38.6000	03/06/89	2.5400	03/07/89	0.0000
03/08/89	0.0000	03/09/89	0.0000	03/10/89	0.0000
03/11/89	0.0000	03/12/89	0.0000	03/13/89	0.0000
03/14/89	0.0000	03/15/89	1.7800	03/16/89	0.0000
03/17/89	0.0000	03/18/89	16.1300	03/19/89	0.0000
03/20/89	16.2500	03/21/89	7.1000	03/22/89	0.0000
03/23/89	13.4700	03/24/89	0.0000	03/25/89	0.0000
03/26/89	0.0000	03/27/89	0.0000	03/28/89	0.0000
03/29/89	0.8900	03/30/89	26.2900	03/31/89	11.9400
04/01/89	0.0000	04/02/89	0.0000	04/03/89	6.8600
04/04/89	24.3800	04/05/89	0.0000	04/06/89	0.0000
04/07/89	4.0500	04/08/89	9.8900	04/09/89	0.0000
04/10/89	0.0000	04/11/89	0.0000	04/12/89	0.0000
04/13/89	0.0000	04/14/89	1.7700	04/15/89	4.8300
04/16/89	0.0000	04/17/89	0.0000	04/18/89	0.0000
04/19/89	0.0000	04/20/89	0.0000	04/21/89	0.0000
04/22/89	0.0000	04/23/89	3.5600	04/24/89	0.6400
04/25/89	0.0000	04/26/89	0.0000	04/27/89	1.2700
04/28/89	0.0000	04/29/89	8.6400	04/30/89	0.0000
05/01/89	13.7200	05/02/89	0.0000	05/03/89	0.0000
05/04/89	7.3700	05/05/89	46.8700	05/06/89	1.6400
05/07/89	0.0000	05/08/89	2.2900	05/09/89	19.2900
05/10/89	0.0000	05/11/89	0.0000	05/12/89	0.0000

Table 4.9 (continued)

Date	Rainfall	Date	Rainfall	Date	Rainfall
05/13/89	0.0000	05/14/89	0.0000	05/15/89	0.3800
05/16/89	0.0000	05/17/89	0.0000	05/18/89	0.0000
05/19/89	1.7800	05/20/89	27.6800	05/21/89	0.0000
05/22/89	0.0000	05/23/89	1.2700	05/24/89	0.0000
05/25/89	0.0000	05/26/89	24.2500	05/27/89	12.5800
05/28/89	0.0000	05/29/89	0.0000	05/30/89	0.0000
05/31/89	0.0000	06/01/89	0.0000	06/02/89	0.0000
06/03/89	0.0000	06/04/89	4.7100	06/05/89	14.6000
06/06/89	22.3500	06/07/89	0.0000	06/08/89	20.9600
06/09/89	22.2200	06/10/89	0.0000	06/11/89	0.0000
06/12/89	20.9500	06/13/89	6.8600	06/14/89	2.1600
06/15/89	37.7300	06/16/89	15.5000	06/17/89	0.0000
06/18/89	0.0000	06/19/89	5.5900	06/20/89	48.5200
06/21/89	6.3600	06/22/89	27.6800	06/23/89	0.0000
06/24/89	0.0000	06/25/89	0.0000	06/26/89	0.0000
06/27/89	0.0000	06/28/89	8.1200	06/29/89	0.0000
06/30/89	0.0000	07/01/89	4.3500	07/02/89	7.0900
07/03/89	22.1000	07/04/89	2.2800	07/05/89	0.0000
07/06/89	30.5000	07/07/89	0.0000	07/08/89	0.0000
07/09/89	0.0000	07/10/89	0.0000	07/11/89	0.3800
07/12/89	6.3600	07/13/89	1.5200	07/14/89	0.0000
07/15/89	0.0000	07/16/89	2.5400	07/17/89	0.0000
07/18/89	0.0000	07/19/89	9.2800	07/20/89	0.0000
07/21/89	5.2100	07/22/89	0.6400	07/23/89	7.7500
07/24/89	0.0000	07/25/89	0.0000	07/26/89	0.0000
07/27/89	0.0000	07/28/89	1.2700	07/29/89	0.0000
07/30/89	2.5400	07/31/89	1.8700	08/01/89	35.5700
08/02/89	0.0000	08/03/89	0.0000	08/04/89	0.0000
08/05/89	0.0000	08/06/89	0.5100	08/07/89	0.0000
08/08/89	0.0000	08/09/89	0.0000	08/10/89	0.0000
08/11/89	0.0000	08/12/89	0.0000	08/13/89	0.0000
08/14/89	0.0000	08/15/89	0.0000	08/16/89	0.0000
08/17/89	0.0000	08/18/89	0.0000	08/19/89	0.0000
08/20/89	0.0000	08/21/89	0.0000	08/22/89	0.2500
08/23/89	32.7700	08/24/89	2.9200	08/25/89	0.0000
08/26/89	2.7900	08/27/89	0.0000	08/28/89	0.0000
08/29/89	0.0000	08/30/89	2.2800	08/31/89	0.0000

Table 4.10.

Daily Average Discharge
Central Waste Disposal Facility: CWDF 1
April - December 1988
Area = 0.954 Square Miles
(Units = CFS)

DAY	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	0.450	0.273	0.047	0.021	0.051	0.025	0.052	0.100	0.543
2	0.572	0.248	0.043	0.016	0.045	0.024	0.125	0.094	0.441
3	0.571	0.246	0.036	0.026	0.042	0.057	0.080	0.091	0.364
4	0.644	0.355	0.034	0.023	0.042	2.389	0.069	0.320	0.312
5	0.586	0.304	0.030	0.016	0.045	0.315	0.062	2.151	0.263
6	3.020	0.250	0.029	0.016	0.060	0.173	0.059	0.860	0.239
7	2.771	0.219	0.027	0.016	0.060	0.117	0.059	0.471	0.239
8	2.022	0.192	0.024	0.016	0.043	0.088	0.059	0.345	0.222
9	1.423	0.264	0.054	0.019	0.036	0.073	0.060	0.273	0.276
10	1.048	0.239	0.039	0.019	0.036	0.067	0.061	0.313	0.297
11	0.882	0.193	0.025	0.020	0.227	0.068	0.061	0.312	0.259
12	0.874	0.169	0.023	0.140	0.210	0.068	0.058	0.252	0.229
13	0.626	0.151	0.021	0.584	0.079	0.064	0.059	0.243	0.216
14	0.515	0.136	0.021	0.340	0.057	0.058	0.062	0.215	0.207
15	0.498	0.132	0.021	0.115	0.045	0.051	0.067	0.197	0.200
16	0.469	0.123	0.021	0.115	0.039	0.054	0.067	0.244	0.188
17	0.423	0.117	0.021	0.115	0.035	0.262	0.091	0.412	0.182
18	1.464	0.111	0.021	0.178	0.031	0.175	0.083	0.300	0.175
19	1.924	0.107	0.021	0.164	0.042	0.109	0.079	1.065	0.171
20	1.586	0.094	0.024	0.175	0.108	0.087	0.076	3.354	0.166
21	1.315	0.803	0.021	0.500	0.072	0.070	0.119	1.788	0.602
22	0.997	0.073	0.019	0.350	0.047	0.063	0.101	0.927	0.610
23	0.824	0.074	0.019	0.227	0.052	0.058	0.090	0.610	1.192
24	0.637	0.156	0.018	0.227	0.058	0.064	0.096	0.469	2.015
25	0.496	0.196	0.029	0.227	0.041	0.089	0.089	0.372	2.234
26	0.446	0.122	0.025	0.450	0.034	0.063	0.094	0.321	1.576
27	0.390	0.096	0.018	0.500	0.031	0.058	0.088	1.885	1.051
28	0.345	0.031	0.017	0.400	0.029	0.056	0.118	1.944	1.269
29	0.309	0.070	0.017	0.200	0.029	0.054	0.112	1.161	0.913
30	0.288	0.059	0.018	0.094	0.032	0.054	0.102	0.785	1.317
31		0.051		0.064	0.031		0.101		5.387
TOT.	28.411	5.652	0.783	5.370	1.786	4.950	2.498	21.873	23.356
MEAN	0.947	0.182	0.026	0.173	0.058	0.165	0.081	0.729	0.753
MAX. DAY	3.020	0.803	0.054	0.584	0.227	2.389	0.125	3.354	5.387
MIN. DAY	0.288	0.031	0.017	0.016	0.029	0.024	0.052	0.091	0.166
CFSM	0.993	0.191	0.027	0.182	0.060	0.173	0.084	0.764	0.790
IN.	1.108	0.220	0.031	0.209	0.070	0.193	0.097	0.853	0.910

Table 4.10 (continued)

Daily Average Discharge
Central Waste Disposal Facility: CWDF 3
April - December 1988
Area = 0.559 Square Miles
(Units = CFS)

DAY	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	0.218	0.110	0.010	0.006	0.002	0.002	0.003	0.016	0.296
2	0.267	0.098	0.009	0.007	0.002	0.002	0.028	0.011	0.223
3	0.294	0.096	0.008	0.011	0.002	0.006	0.014	0.011	0.173
4	0.332	0.164	0.006	0.012	0.003	0.500	0.013	0.080	0.147
5	0.323	0.131	0.004	0.009	0.003	0.040	0.010	0.609	0.116
6	1.704	0.094	0.004	0.008	0.003	0.020	0.006	0.325	0.103
7	1.852	0.077	0.004	0.007	0.004	0.010	0.004	0.169	0.095
8	1.225	0.070	0.003	0.003	0.004	0.010	0.006	0.114	0.086
9	0.842	0.105	0.007	0.002	0.003	0.007	0.007	0.087	0.120
10	0.627	0.087	0.009	0.002	0.002	0.005	0.004	0.110	0.120
11	0.542	0.070	0.007	0.002	0.015	0.006	0.004	0.103	0.102
12	0.545	0.059	0.004	0.024	0.020	0.006	0.004	0.079	0.088
13	0.359	0.051	0.004	0.140	0.005	0.006	0.004	0.081	0.079
14	0.272	0.047	0.003	0.067	0.004	0.007	0.004	0.072	0.074
15	0.263	0.044	0.003	0.022	0.002	0.004	0.006	0.065	0.071
16	0.233	0.042	0.003	0.012	0.002	0.003	0.007	0.086	0.067
17	0.211	0.037	0.003	0.009	0.002	0.065	0.021	0.140	0.064
18	0.734	0.032	0.003	0.010	0.002	0.032	0.017	0.104	0.064
19	0.971	0.030	0.003	0.009	0.003	0.016	0.014	0.478	0.061
20	0.893	0.026	0.004	0.010	0.010	0.009	0.011	1.897	0.055
21	0.763	0.025	0.004	0.095	0.007	0.008	0.037	0.899	0.175
22	0.580	0.023	0.003	0.043	0.003	0.004	0.027	0.513	0.218
23	0.497	0.022	0.003	0.012	0.003	0.003	0.014	0.342	0.449
24	0.366	0.048	0.002	0.008	0.005	0.008	0.021	0.240	1.071
25	0.264	0.052	0.006	0.004	0.002	0.028	0.017	0.172	1.307
26	0.235	0.034	0.009	0.043	0.002	0.015	0.017	0.137	0.908
27	0.196	0.026	0.006	0.039	0.002	0.012	0.014	0.847	0.635
28	0.160	0.021	0.006	0.014	0.002	0.010	0.030	1.011	0.701
29	0.134	0.018	0.006	0.007	0.002	0.006	0.024	0.660	0.474
30	0.122	0.016	0.007	0.004	0.002	0.002	0.022	0.473	0.731
31		0.013		0.003	0.002		0.020		3.629
TOT.	16.024	1.767	0.155	0.643	0.126	0.853	0.431	9.934	12.501
MEAN	0.534	0.057	0.005	0.021	0.004	0.028	0.014	0.331	0.403
MAX. DAY	1.852	0.164	0.010	0.140	0.020	0.500	0.037	1.897	3.629
MIN. DAY	0.122	0.013	0.002	0.002	0.002	0.002	0.003	0.011	0.055
CFSM	0.560	0.060	0.005	0.022	0.004	0.030	0.015	0.347	0.423
IN.	1.066	0.118	0.010	0.043	0.008	0.057	0.029	0.661	0.832

Table 4.10 (continued)

Daily Average Discharge*

Central Waste Disposal Facility: CWDF 4*

April - December 1988

Area = 0.210 Square Miles

(Units = CFS)

DAY	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	0.071	0.041	0.004	0.001	0.001	0.001	0.002	0.004	0.124
2	0.111	0.037	0.002	0.001	0.001	.000	0.006	0.004	0.090
3	0.121	0.035	.000	0.001	0.001	0.001	0.005	0.009	0.076
4	0.140	0.041	.000	0.001	0.001	0.100	0.005	0.031	0.067
5	0.125	0.041	.000	0.001	0.001	0.022	0.005	0.253	0.046
6	0.546	0.035	.000	0.001	0.001	0.012	0.003	0.183	0.042
7	0.520	0.033	.000	.000	0.001	0.007	0.002	0.099	0.038
8	0.366	0.028	.000	.000	0.001	0.004	0.002	0.060	0.036
9	0.268	0.029	0.001	.000	0.001	0.004	0.002	0.039	0.034
10	0.225	0.030	0.001	0.000	0.001	0.004	0.002	0.034	0.034
11	0.200	0.026	.000	0.000	0.002	0.004	0.002	0.034	0.034
12	0.183	0.023	.000	0.002	0.002	0.004	0.002	0.032	0.034
13	0.127	0.020	.000	0.006	0.001	0.004	0.002	0.030	0.034
14	0.108	0.017	.000	0.002	0.001	0.004	0.002	0.027	0.030
15	0.101	0.015	.000	0.001	0.001	0.003	0.002	0.023	0.030
16	0.090	0.014	.000	0.001	0.001	0.002	0.002	0.025	0.027
17	0.087	0.012	.000	0.001	0.001	0.007	0.005	0.035	0.026
18	0.269	0.012	.000	0.002	0.001	0.004	0.008	0.038	0.026
19	0.334	0.010	.000	0.001	.000	0.004	0.010	0.172	0.026
20	0.309	0.008	.000	0.001	0.001	0.004	0.010	0.568	0.022
21	0.268	0.007	.000	0.004	0.001	0.004	0.002	0.308	0.048
22	0.210	0.007	.000	0.002	0.001	0.003	0.002	0.209	0.095
23	0.170	0.007	.000	0.001	0.001	0.002	0.002	0.153	0.193
24	0.128	0.010	.000	0.001	0.001	0.003	0.004	0.101	0.378
25	0.099	0.009	0.001	0.001	0.001	0.004	0.005	0.073	0.405
26	0.092	0.007	0.001	0.004	.000	0.004	0.006	0.060	0.307
27	0.077	0.007	0.001	0.003	.000	0.004	0.044	0.308	0.239
28	0.062	0.007	0.001	0.002	.000	0.004	0.188	0.329	0.248
29	0.051	0.007	.000	0.001	.000	0.003	0.003	0.248	0.200
30	0.046	0.005	0.001	0.001	.000	0.002	0.005	0.196	0.272
31		0.005		0.001	.000		0.004		0.423
TOT.	5.503	0.587	0.018	0.045	0.030	0.220	0.344	3.681	3.680
MEAN	0.183	0.019	0.001	0.001	0.001	0.007	0.011	0.123	0.119
MAX. DAY	0.546	0.041	0.004	0.006	0.002	0.100	0.188	0.568	0.423
MIN. DAY	0.046	0.005	.000	0.000	.000	.000	0.002	0.004	0.022
CFSM	0.874	0.090	0.003	0.007	0.005	0.035	0.053	0.584	0.565
IN.	0.975	0.104	0.003	0.008	0.005	0.039	0.061	0.652	0.652

*Values of 0.000 CFS in this table should read <.001 CFS because zero flows have rarely been observed at this site. Zero values are included here in order to allow automatic spreadsheet calculations.

Table 4.10 (continued)

Daily Average Discharge
Central Waste Disposal Facility: CWDF 7
April - December 1988
Area = 0.054 Square Miles
(Units = CFS)

DAY	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	0.029	0.030	0.013	0.016	0.015	0.010	0.012	0.015	0.024
2	0.040	0.028	0.014	0.014	0.015	0.010	0.018	0.015	0.024
3	0.042	0.029	0.016	0.017	0.016	0.017	0.015	0.013	0.021
4	0.046	0.031	0.017	0.014	0.015	0.060	0.015	0.033	0.019
5	0.046	0.026	0.016	0.014	0.015	0.032	0.015	0.087	0.019
6	0.107	0.026	0.016	0.013	0.015	0.020	0.015	0.048	0.021
7	0.171	0.022	0.016	0.013	0.014	0.017	0.015	0.029	0.019
8	0.147	0.022	0.016	0.012	0.013	0.015	0.015	0.021	0.017
9	0.107	0.026	0.020	0.012	0.011	0.014	0.015	0.017	0.020
10	0.081	0.023	0.015	0.012	0.012	0.015	0.015	0.020	0.019
11	0.070	0.022	0.015	0.013	0.019	0.015	0.015	0.021	0.019
12	0.064	0.021	0.015	0.022	0.017	0.015	0.015	0.017	0.018
13	0.046	0.021	0.015	0.039	0.014	0.014	0.015	0.017	0.019
14	0.040	0.021	0.015	0.024	0.013	0.014	0.015	0.015	0.017
15	0.040	0.021	0.014	0.017	0.013	0.013	0.015	0.015	0.015
16	0.038	0.019	0.015	0.016	0.013	0.015	0.015	0.019	0.015
17	0.037	0.019	0.013	0.017	0.012	0.030	0.016	0.022	0.015
18	0.058	0.018	0.013	0.018	0.012	0.022	0.015	0.019	0.016
19	0.077	0.018	0.013	0.015	0.015	0.017	0.018	0.040	0.019
20	0.083	0.016	0.017	0.017	0.020	0.017	0.015	0.108	0.015
21	0.091	0.016	0.015	0.032	0.015	0.017	0.017	0.074	0.026
22	0.076	0.015	0.013	0.024	0.015	0.017	0.015	0.048	0.028
23	0.056	0.014	0.013	0.018	0.015	0.015	0.015	0.029	0.042
24	0.048	0.021	0.013	0.017	0.016	0.019	0.015	0.026	0.071
25	0.042	0.020	0.020	0.015	0.018	0.018	0.015	0.021	0.091
26	0.042	0.016	0.016	0.032	0.014	0.017	0.015	0.019	0.080
27	0.037	0.015	0.014	0.031	0.012	0.015	0.015	0.053	0.058
28	0.034	0.015	0.015	0.020	0.012	0.015	0.016	0.067	0.048
29	0.032	0.015	0.013	0.018	0.013	0.013	0.015	0.062	0.043
30	0.031	0.014	0.018	0.018	0.015	0.012	0.015	0.042	0.051
31		0.014		0.017	0.014		0.015		0.203
TOT.	1.855	0.632	0.453	0.576	0.444	0.541	0.475	1.033	1.112
MEAN	0.062	0.020	0.015	0.019	0.014	0.018	0.015	0.034	0.036
MAX. DAY	0.171	0.031	0.020	0.039	0.020	0.060	0.018	0.108	0.203
MIN. DAY	0.029	0.014	0.013	0.012	0.011	0.010	0.012	0.013	0.015
CFSM	1.145	0.378	0.279	0.344	0.265	0.334	0.284	0.638	0.665
IN.	1.278	0.436	0.312	0.397	0.305	0.373	0.327	0.712	0.766

Table 4.10 (continued)

Daily Average Discharge
Central Waste Disposal Facility: CWDF 8
April - December 1988
Area = 0.122 Square Miles
(Units = CFS)

DAY	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	0.028	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.015
2	0.033	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.011
3	0.033	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.010
4	0.038	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.009
5	0.038	0.015	0.000	0.000	0.000	0.000	0.000	0.002	0.007
6	0.221	0.010	0.000	0.000	0.000	0.000	0.000	0.018	0.007
7	0.231	0.006	0.000	0.000	0.000	0.000	0.000	0.018	0.007
8	0.212	0.005	0.000	0.000	0.000	0.000	0.000	0.018	0.005
9	0.178	0.007	0.000	0.000	0.000	0.000	0.000	0.015	0.004
10	0.155	0.007	0.000	0.000	0.000	0.000	0.000	0.010	0.004
11	0.132	0.005	0.000	0.000	0.000	0.000	0.000	0.004	0.004
12	0.113	0.003	0.000	0.000	0.000	0.000	0.000	0.004	0.004
13	0.071	0.002	0.000	0.000	0.000	0.000	0.000	0.004	0.004
14	0.056	0.001	0.000	0.000	0.000	0.000	0.000	0.004	0.003
15	0.043	0.001	0.000	0.000	0.000	0.000	0.000	0.004	0.002
16	0.041	0.001	0.000	0.000	0.000	0.000	0.000	0.004	0.002
17	0.035	0.001	0.000	0.000	0.000	0.000	0.000	0.003	0.002
18	0.090	.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002
19	0.118	.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
20	0.129	0.000	0.000	0.000	0.000	0.000	0.000	0.076	0.002
21	0.130	0.000	0.000	0.000	0.000	0.000	0.000	0.087	0.004
22	0.111	0.000	0.000	0.000	0.000	0.000	0.000	0.083	0.005
23	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.012
24	0.067	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.059
25	0.056	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.095
26	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.095
27	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.086	0.091
28	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.087	0.082
29	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.087	0.062
30	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.084	0.066
31		0.000		0.000	0.000		0.000		0.241
TOT.	2.604	0.119	0.000	0.000	0.000	0.000	0.000	0.851	0.916
MEAN	0.087	0.004	0.000	0.000	0.000	0.000	0.000	0.028	0.030
MAX. DAY	0.231	0.017	0.000	0.000	0.000	0.000	0.000	0.087	0.241
MIN. DAY	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
CFSM	0.711	0.031	0.000	0.000	0.000	0.000	0.000	0.232	0.242
IN.	0.794	0.036	0.000	0.000	0.000	0.000	0.000	0.259	0.279

Table 4.11. Surface water discharge summary
January-September 1989
West Chestnut Ridge (five collection points)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
CWDF1 (Area = 0.954 sq miles)				
01/01/89	575.2978	6.6585	11.0000	4.3400
01/02/89	289.4670	3.3503	4.1700	2.6800
01/03/89	209.7809	2.4280	2.6800	2.1500
01/04/89	158.4989	1.8345	2.1500	1.5500
01/05/89	115.8029	1.3403	1.5500	1.2000
01/06/89	224.6039	2.5996	3.4300	1.2400
01/07/89	198.5310	2.2978	2.4200	2.2100
01/08/89	568.1160	6.5754	12.5000	2.2100
01/09/89	336.9780	3.9002	4.9800	3.1100
01/10/89	235.3589	2.7241	3.1100	2.3700
01/11/89	305.8740	3.5402	10.6000	2.1500
01/12/89	1821.3304	21.0802	34.8000	10.6000
01/13/89	1156.2745	13.3828	18.8000	8.6900
01/14/89	742.0859	8.5890	12.5000	7.2000
01/15/89	774.7559	8.9671	12.5000	6.5000
01/16/89	432.6300	5.0073	6.5000	4.0300
01/17/89	291.2940	3.3715	4.0300	2.9000
01/18/89	225.7830	2.6132	2.9000	2.3700
01/19/89	187.7671	2.1732	2.3700	2.0000
01/20/89	150.2730	1.7393	1.9400	1.4700
01/21/89	105.8723	1.2254	1.4700	1.0380
01/22/89	81.0504	0.9381	1.0380	0.8620
01/23/89	69.2172	0.8011	0.8620	0.7450
01/24/89	60.0138	0.6946	0.7450	0.6390
01/25/89	51.6789	0.5981	0.6390	0.5690
01/26/89	47.9304	0.5548	0.5690	0.5370
01/27/89	44.0982	0.5104	0.5370	0.4870
01/28/89	39.7953	0.4606	0.4730	0.4410
01/29/89	37.3086	0.4318	0.4410	0.4270
01/30/89	75.4893	0.8737	1.1300	0.4270
01/31/89	57.1293	0.6612	0.7870	0.6000
02/01/89	50.0184	0.5789	0.6000	0.5690
02/02/89	46.4994	0.5382	0.5690	0.5190
02/03/89	45.6561	0.5340	0.5860	0.5050
02/04/89	41.9535	0.4856	0.5190	0.4560
02/05/89	125.7579	1.4555	2.2100	0.4560
02/06/89	260.7210	3.0176	3.7100	1.9400
02/07/89	295.5418	3.4206	3.7100	3.1100
02/08/89	235.9980	2.7315	3.1100	2.4200

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
02/09/89	191.1691	2.2126	2.4200	2.0500
02/10/89	164.5740	1.9048	2.0500	1.7700
02/11/89	140.4899	1.6260	1.7700	1.4700
02/12/89	104.9904	1.2152	1.4700	1.0380
02/13/89	85.1327	0.9853	1.0380	0.9500
02/14/89	95.7546	1.1083	2.0000	0.8620
02/15/89	126.4140	1.4631	2.0000	1.1300
02/16/89	96.6995	1.1192	1.1700	1.0700
02/17/89	320.1390	3.7053	8.3700	1.1300
02/18/89	684.2699	7.9198	9.0000	6.5000
02/19/89	446.6431	5.1695	6.5000	4.1700
02/20/89	391.6890	4.5334	5.8300	3.8500
02/21/89	958.6622	11.0956	17.3000	4.3400
02/22/89	512.5046	5.9318	8.0500	4.4800
02/23/89	315.5848	3.6526	4.4800	3.0000
02/24/89	229.7610	2.6593	3.0000	2.3700
02/25/89	194.4902	2.2510	2.3700	2.1500
02/26/89	176.2920	2.0404	2.1500	1.8600
02/27/89	194.6339	2.2527	2.9000	1.8600
02/28/89	262.4129	3.0372	3.5300	2.6800
03/01/89	266.2650	3.0818	3.3200	2.9000
03/02/89	232.0920	2.6862	2.9000	2.4700
03/03/89	192.1409	2.3205	2.4700	2.1500
03/04/89	171.0811	1.9801	2.1500	1.8600
03/05/89	548.0999	6.3437	24.2000	2.2600
03/06/89	1087.8660	12.5910	24.2000	7.7300
03/07/89	500.4629	5.7924	7.7300	4.3400
03/08/89	308.4838	3.5704	4.3400	3.1100
03/09/89	234.0270	2.7086	3.0000	2.4200
03/10/89	196.6230	2.2757	2.4200	2.1500
03/11/89	171.5939	1.9860	2.1500	1.8600
03/12/89	143.2350	1.6578	1.8600	1.4700
03/13/89	112.5989	1.3032	1.4300	1.1700
03/14/89	91.8216	1.0628	1.1700	0.9820
03/15/89	77.3001	0.8947	0.9820	0.8090
03/16/89	61.1208	0.7074	0.8090	0.6390
03/17/89	53.1953	0.6157	0.6390	0.6000
03/18/89	113.9193	1.3185	2.4200	0.6000
03/19/89	87.6492	1.0145	1.3900	0.8900
03/20/89	113.7096	1.3161	1.9000	0.8900
03/21/89	323.4240	3.7433	4.4800	2.2100
03/22/89	250.8566	2.9034	3.3200	2.5800
03/23/89	260.9821	3.0206	3.8500	2.4700
03/24/89	255.1588	2.9532	3.2100	2.7900
03/25/89	216.1799	2.5021	2.6800	2.3100
03/26/89	186.7231	2.1611	2.3100	2.0000

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
03/27/89	155.7449	1.8026	2.0000	1.5900
03/28/89	123.7860	1.4327	1.5900	1.3200
03/29/89	106.1189	1.2282	1.3200	1.1700
03/30/89	341.9189	3.9574	13.3000	1.1700
03/31/89	172.3320	5.1751	6.9600	3.3200
04/01/89	291.8610	3.3780	4.0300	2.9000
04/02/89	224.9640	2.6038	2.9000	2.4200
04/03/89	203.4448	2.3547	2.4700	2.2100
04/04/89	398.6188	4.6136	6.7400	2.1500
04/05/89	406.8002	4.7083	5.8300	3.8500
04/06/89	278.4240	3.2225	3.7100	2.9000
04/07/89	231.2460	2.6765	2.9000	2.3700
04/08/89	224.0639	2.5933	3.0000	2.3100
04/09/89	197.4240	2.2850	2.4700	2.1500
04/10/89	175.3471	2.0295	2.1500	1.9400
04/11/89	153.8638	1.7808	1.9400	1.6800
04/12/89	130.8149	1.5141	1.6800	1.3900
04/13/89	109.3769	1.2659	1.3900	1.1700
04/14/89	94.0428	1.0885	1.1700	1.0380
04/15/89	101.3976	1.1736	1.3900	1.0100
04/16/89	76.9284	0.8904	1.0100	0.7870
04/17/89	63.9900	0.7406	0.7870	0.7030
04/18/89	58.2345	0.6740	0.7030	0.6390
04/19/89	54.8982	0.6354	0.6600	0.5860
04/20/89	49.3641	0.5713	0.5860	0.5370
04/21/89	46.5867	0.5392	0.5540	0.5050
04/22/89	42.7464	0.4947	0.5050	0.4730
04/23/89	45.0216	0.5211	0.6390	0.4730
04/24/89	40.1580	0.4648	0.4870	0.4270
04/25/89	35.7840	0.4142	0.4270	0.3850
04/26/89	32.7780	0.3794	0.3990	0.3410
04/27/89	29.8728	0.3458	0.3710	0.3020
04/28/89	28.0845	0.3251	0.3410	0.2910
04/29/89	35.7588	0.4139	0.6600	0.3020
04/30/89	29.3454	0.3396	0.3850	0.2800
05/01/89	47.9871	0.5554	0.9500	0.2910
05/02/89	37.7046	0.4364	0.5190	0.3570
05/03/89	27.8991	0.3229	0.3570	0.2800
05/04/89	27.9099	0.3230	0.4410	0.2800
05/05/89	422.5563	4.8907	18.3000	0.4130
05/06/89	480.0959	5.5567	8.3700	3.7100
05/07/89	259.2988	3.0011	3.7100	2.4700
05/08/89	192.4380	2.2273	2.4700	2.0000
05/09/89	281.5020	3.2581	6.7400	2.0500
05/10/89	305.5949	3.5370	4.3400	2.9000
05/11/89	218.9159	2.5337	2.9000	2.2600

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
05/12/89	174.1680	2.0158	2.2600	1.7200
05/13/89	126.4590	1.4636	1.7200	1.1700
05/14/89	88.6823	1.0264	1.1700	0.9180
05/15/89	69.6420	0.8060	0.9180	0.6810
05/16/89	54.3177	0.6287	0.6810	0.5540
05/17/89	45.2116	0.5233	0.5690	0.4410
05/18/89	39.1967	0.4537	0.4870	0.3990
05/19/89	39.0051	0.4514	0.5050	0.4130
05/20/89	143.5185	1.6611	3.7100	0.4410
05/21/89	71.0882	0.8228	1.1300	0.6000
05/22/89	49.3893	0.5716	0.6180	0.4870
05/23/89	43.8525	0.5076	0.5540	0.4270
05/24/89	35.4060	0.4098	0.4560	0.3410
05/25/89	29.7981	0.3449	0.3850	0.2800
05/26/89	46.1430	0.5341	3.2100	0.2490
05/27/89	223.3619	2.5852	4.1700	1.7700
05/28/89	127.8522	1.4798	1.9000	1.0700
05/29/89	78.2379	0.9055	1.1020	0.6810
05/30/89	54.2520	0.6279	0.7240	0.4870
05/31/89	42.6906	0.4941	0.5540	0.3850
06/01/89	33.8337	0.3916	0.4560	0.2910
06/02/89	29.3418	0.3432	0.3850	0.3020
06/03/89	28.2438	0.3269	0.3710	0.2700
06/04/89	25.6644	0.2970	0.3570	0.2590
06/05/89	40.4352	0.4680	0.9500	0.3410
06/06/89	127.4283	1.4749	3.8500	0.5540
06/07/89	139.6152	1.6159	2.2100	1.1020
06/08/89	121.1814	1.4026	3.2100	0.8900
06/09/89	718.4073	8.3149	12.5000	3.4300
06/10/89	378.3510	4.3791	6.0400	3.2100
06/11/89	227.7719	2.6362	3.2100	2.2100
06/12/89	223.6050	2.5880	5.3700	2.0000
06/13/89	353.2860	4.0890	4.9800	3.3200
06/14/89	255.4289	2.9564	3.5300	2.4700
06/15/89	672.9030	7.7882	13.3000	2.4200
06/16/89	897.3633	10.3861	16.9000	7.7300
06/17/89	557.7025	6.4549	9.0000	4.6600
06/18/89	321.0028	3.7153	4.6600	3.0000
06/19/89	240.3900	2.7823	3.1100	2.4200
06/20/89	1028.2052	11.9005	26.6000	2.4200
06/21/89	723.0781	8.3690	11.4000	6.0400
06/22/89	971.7299	11.2469	44.2000	5.1200
06/23/89	530.2527	6.1372	8.3700	4.6600
06/24/89	325.1788	3.7636	4.6600	3.0000
06/25/89	225.0539	2.6048	3.0000	2.2600
06/26/89	175.9500	2.0365	2.2600	1.7200

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
06/27/89	130.9320	1.5154	1.7700	1.1300
06/28/89	120.2778	1.3921	2.2100	1.0380
06/29/89	97.1505	1.1244	1.6300	0.7870
06/30/89	63.1205	0.7306	0.8090	0.6000
07/01/89	59.5287	0.6890	0.7870	0.6180
07/02/89	65.1429	0.7540	0.8300	0.7030
07/03/89	189.7227	2.1959	3.5300	0.7450
07/04/89	208.2689	2.4105	2.7900	2.1000
07/05/89	162.6661	1.8827	2.1500	1.6300
07/06/89	430.0469	4.9774	12.1000	1.5500
07/07/89	366.9120	4.2467	5.3700	3.3200
07/08/89	241.1008	2.7905	3.3200	2.3700
07/09/89	181.1431	2.0966	2.3700	1.7700
07/10/89	128.1960	1.4837	1.8100	1.1300
07/11/89	85.2335	0.9865	1.1300	0.8090
07/12/89	72.9494	0.8443	0.9500	0.7450
07/13/89	69.4017	0.8033	1.1300	0.7030
07/14/89	53.0982	0.6146	0.7030	0.4730
07/15/89	41.1813	0.4766	0.5370	0.3710
07/16/89	41.5989	0.4815	0.5370	0.3990
07/17/89	36.9783	0.4280	0.5050	0.3020
07/18/89	28.6848	0.3320	0.3850	0.2590
07/19/89	36.6615	0.4243	0.6600	0.2700
07/20/89	32.7663	0.3792	0.4410	0.2800
07/21/89	31.6224	0.3660	0.4270	0.2910
07/22/89	28.7685	0.3330	0.3850	0.2590
07/23/89	30.5964	0.3541	0.6180	0.2700
07/24/89	27.7380	0.3210	0.3990	0.2270
07/25/89	20.5002	0.2373	0.2700	0.1980
07/26/89	18.0315	0.2087	0.2380	0.1900
07/27/89	16.8768	0.1953	0.2060	0.1900
07/28/89	16.9704	0.1964	0.1980	0.1900
07/29/89	16.7688	0.1941	0.1980	0.1900
07/30/89	16.8552	0.1951	0.1980	0.1900
07/31/89	16.6320	0.1925	0.1980	0.1900
08/01/89	78.2307	0.9054	6.5000	0.1900
08/02/89	60.5214	0.7005	1.6300	0.4270
08/03/89	30.7017	0.3553	0.4130	0.2590
08/04/89	22.2489	0.2602	0.3020	0.1980
08/05/89	18.0135	0.2085	0.2270	0.1750
08/06/89	15.5151	0.1796	0.1900	0.1660
08/07/89	14.6097	0.1691	0.1820	0.1570
08/08/89	13.7025	0.1586	0.1660	0.1570
08/09/89	12.7467	0.1475	0.1570	0.1390
08/10/89	11.7720	0.1362	0.1390	0.1310
08/11/89	0.0000	0.1400	0.0000	0.0000

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
08/12/89	0.0000	0.1300	0.0000	0.0000
08/13/89	0.0000	0.1300	0.0000	0.0000
08/14/89	0.0000	0.1200	0.0000	0.0000
08/15/89	0.0000	0.1200	0.0000	0.0000
08/16/89	0.0000	0.1100	0.0000	0.0000
08/17/89	0.0000	0.1100	0.0000	0.0000
08/18/89	0.0000	0.1000	0.0000	0.0000
08/19/89	8.2081	0.0950	0.1150	0.0756
08/20/89	7.4605	0.0863	0.1080	0.0699
08/21/89	6.7017	0.0776	0.0943	0.0643
08/22/89	6.3701	0.0737	0.0876	0.0643
08/23/89	16.4643	0.1906	0.8620	0.0643
08/24/89	29.1348	0.3372	0.8090	0.2380
08/25/89	17.3898	0.2013	0.2270	0.1660
08/26/89	15.3855	0.1781	0.1980	0.1660
08/27/89	14.8068	0.1714	0.1820	0.1390
08/28/89	12.1347	0.1404	0.1570	0.1150
08/29/89	10.2528	0.1187	0.1390	0.1010
08/30/89	11.9700	0.1385	0.1660	0.1010
08/31/89	11.6136	0.1344	0.1480	0.1080
09/01/89	28.7496	0.3327	1.4300	0.1080
09/02/89	28.0809	0.3250	0.5860	0.1980
09/03/89	15.8355	0.1833	0.1980	0.1480
09/04/89	12.5622	0.1454	0.1660	0.1150
09/05/89	10.5408	0.1220	0.1390	0.1010
09/06/89	9.5076	0.1100	0.1230	0.1010
09/07/89	9.2098	0.1066	0.1150	0.0943
09/08/89	8.6977	0.1007	0.1150	0.0876
09/09/89	8.2683	0.0957	0.1080	0.0876
09/10/89	8.3309	0.0964	0.1080	0.0816
09/11/89	27.6409	0.3199	2.1500	0.0943
09/12/89	18.4374	0.2134	0.2800	0.1660
09/13/89	13.6827	0.1584	0.1750	0.1310
09/14/89	22.1643	0.2565	1.2800	0.1310
09/15/89	142.4349	1.6486	15.9000	0.2590
09/16/89	137.7666	1.5945	3.4300	0.6810
09/17/89	46.0017	0.5324	0.6810	0.3990
09/18/89	29.8620	0.3456	0.3990	0.2590
09/19/89	21.5001	0.2488	0.2700	0.2060
09/20/89	17.8461	0.2066	0.2270	0.1820
09/21/89	15.8238	0.1831	0.1900	0.1660
09/22/89	101.1186	1.1704	1.9400	0.1660
09/23/89	195.0660	2.2577	3.1100	1.5000
09/24/89	97.0398	1.1231	1.7200	0.7660
09/25/89	102.0006	1.1806	6.0400	0.6390
09/26/89	264.3839	3.0600	5.8300	2.0500

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
09/27/89	131.0256	1.5165	2.0500	1.0100
09/28/89	70.8021	0.8195	1.0100	0.6600
09/29/89	114.0570	1.3201	2.0000	0.6600
09/30/89	685.9169	7.9389	38.5000	1.9000
CWDF3 (Area = 0.559 sq miles)				
01/01/89	472.3381	5.4669	8.9800	3.4600
01/02/89	224.1900	2.5948	3.4600	2.0600
01/03/89	148.9590	1.7241	2.0600	1.3000
01/04/89	92.4623	1.0702	1.3000	0.9040
01/05/89	68.1606	0.7889	0.9040	0.7100
01/06/89	123.8104	1.5633	2.1100	0.0000
01/07/89	121.6709	1.4082	1.5300	1.3400
01/08/89	378.9360	4.3858	6.8400	1.3000
01/09/89	244.2330	2.8268	3.6600	2.2100
01/10/89	154.5030	1.7882	2.1600	1.4100
01/11/89	177.7590	2.0574	6.3700	1.1900
01/12/89	1064.0967	12.3159	19.4000	0.0000
01/13/89	856.5751	9.9141	14.2000	6.4600
01/14/89	552.1500	6.3906	8.8700	5.3900
01/15/89	578.7000	6.6979	9.1000	4.9000
01/16/89	321.9479	3.7262	4.9000	2.8500
01/17/89	206.0190	2.3845	2.8500	2.0100
01/18/89	147.2670	1.7045	2.0100	1.4500
01/19/89	111.3210	1.2884	1.4500	1.1600
01/20/89	85.5081	0.9897	1.1600	0.8460
01/21/89	61.0695	0.7068	0.8460	0.6110
01/22/89	47.2527	0.5469	0.6110	0.5200
01/23/89	41.2803	0.4778	0.5200	0.4570
01/24/89	35.5302	0.4112	0.4570	0.3810
01/25/89	30.0060	0.3473	0.3810	0.3280
01/26/89	27.1440	0.3142	0.3280	0.3120
01/27/89	21.7935	0.2522	0.3120	0.2250
01/28/89	20.0700	0.2323	0.2530	0.2250
01/29/89	18.7470	0.2170	0.2250	0.2110
01/30/89	41.6322	0.4819	0.6110	0.2110
01/31/89	27.8541	0.3224	0.3810	0.2970
02/01/89	24.9993	0.2893	0.2970	0.2820
02/02/89	23.5143	0.2722	0.2820	0.2670
02/03/89	26.5095	0.3101	0.3810	0.2530
02/04/89	35.7858	0.4142	0.4990	0.3450
02/05/89	108.2124	1.2525	1.7000	0.4990
02/06/89	285.5968	3.3055	4.5900	1.7400
02/07/89	452.3040	5.2350	5.3900	4.6700
02/08/89	423.4861	4.9015	5.2300	4.6700

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
02/09/89	396.7650	4.5922	4.7500	4.4400
02/10/89	411.3810	4.7614	5.0600	4.3700
02/11/89	328.3918	3.8008	4.3700	3.2700
02/12/89	230.9850	2.6734	3.2700	2.2100
02/13/89	165.2130	1.9122	2.2100	1.6100
02/14/89	135.9540	1.5735	1.9600	1.3000
02/15/89	107.1252	1.2399	1.7400	0.9960
02/16/89	74.3193	0.8602	0.9960	0.7360
02/17/89	187.1307	2.1659	5.7400	0.7360
02/18/89	518.0219	5.9956	6.7500	4.9000
02/19/89	340.5779	3.9419	4.9000	3.0900
02/20/89	277.1190	3.2074	4.0000	2.7900
02/21/89	710.5861	8.2244	12.5000	3.0900
02/22/89	383.2378	4.4356	6.0000	3.2100
02/23/89	224.0370	2.5930	3.2100	2.0600
02/24/89	154.0080	1.7825	2.0100	1.5300
02/25/89	118.9800	1.3771	1.5300	1.2700
02/26/89	99.8145	1.1553	1.2700	1.0270
02/27/89	111.7386	1.2933	1.6500	0.9960
02/28/89	153.3601	1.7750	2.2100	1.4500
03/01/89	187.2991	2.1678	2.2100	2.0600
03/02/89	163.2420	1.8894	2.0600	1.7400
03/03/89	127.0800	1.4863	1.7000	1.3000
03/04/89	98.3745	1.1386	1.3000	1.0270
03/05/89	352.9260	4.0848	18.5000	1.2700
03/06/89	846.1980	9.7940	18.5000	5.9100
03/07/89	380.9067	4.4086	5.8200	3.2100
03/08/89	223.9381	2.5919	3.2100	2.1600
03/09/89	154.4129	1.7872	2.1100	1.5700
03/10/89	117.5040	1.3600	1.5700	1.2300
03/11/89	96.5196	1.1171	1.2300	1.0270
03/12/89	78.2550	0.9057	1.0270	0.8180
03/13/89	61.1640	0.7079	0.8180	0.6590
03/14/89	50.6277	0.5860	0.6350	0.5420
03/15/89	42.0057	0.4862	0.5420	0.4370
03/16/89	32.5872	0.3772	0.4370	0.3450
03/17/89	26.9964	0.3125	0.3450	0.2820
03/18/89	55.1880	0.6387	1.4500	0.2970
03/19/89	38.8908	0.4501	0.5640	0.4180
03/20/89	54.4463	0.6302	0.9650	0.4370
03/21/89	198.0261	2.2920	2.3600	1.0590
03/22/89	176.9310	2.0478	2.3600	1.7400
03/23/89	174.8881	2.0242	2.4600	1.7000
03/24/89	171.6750	1.9870	2.1100	1.8300
03/25/89	141.4441	1.6371	1.8300	1.4500
03/26/89	108.1711	1.2520	1.4500	1.1300

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
03/27/89	85.3119	0.9874	1.1300	0.9040
03/28/89	69.0777	0.7995	0.9040	0.7360
03/29/89	59.9661	0.6941	0.7360	0.6590
03/30/89	205.1748	2.3747	6.5500	0.6590
03/31/89	143.2800	3.8829	5.1500	2.4100
04/01/89	220.8151	2.5557	3.2100	2.1100
04/02/89	155.9789	1.8053	2.0600	1.6100
04/03/89	133.2000	1.5417	1.7800	1.3400
04/04/89	268.7309	3.1103	4.7500	1.2700
04/05/89	322.0199	3.7271	4.5200	2.8500
04/06/89	202.9050	2.3484	2.8500	1.9600
04/07/89	157.3020	1.8206	2.1100	1.5300
04/08/89	143.6850	1.6630	2.1600	1.4100
04/09/89	115.3799	1.3354	1.5300	1.2300
04/10/89	100.2419	1.1602	1.2300	1.1300
04/11/89	86.8877	1.0056	1.1300	0.9340
04/12/89	73.5048	0.8508	0.9340	0.7900
04/13/89	61.9244	0.7167	0.7900	0.6590
04/14/89	54.8856	0.6352	0.6590	0.6110
04/15/89	59.6286	0.6901	0.8460	0.5870
04/16/89	44.2944	0.5127	0.5870	0.4570
04/17/89	36.2826	0.4199	0.4570	0.3810
04/18/89	32.9994	0.3819	0.3990	0.3630
04/19/89	31.6548	0.3664	0.3810	0.3450
04/20/89	27.0162	0.3127	0.3450	0.2820
04/21/89	23.4936	0.2719	0.2970	0.2390
04/22/89	20.7630	0.2403	0.2530	0.2250
04/23/89	23.7177	0.2745	0.4180	0.2250
04/24/89	19.7802	0.2289	0.2390	0.2110
04/25/89	17.2161	0.1993	0.2110	0.1730
04/26/89	15.6996	0.1817	0.1980	0.1610
04/27/89	13.5756	0.1571	0.1730	0.1390
04/28/89	13.0500	0.1510	0.1610	0.1290
04/29/89	18.6066	0.2154	0.4570	0.1390
04/30/89	13.6692	0.1582	0.1850	0.1290
05/01/89	26.0298	0.3013	0.6110	0.1390
05/02/89	17.4249	0.2017	0.2530	0.1610
05/03/89	12.4191	0.1437	0.1610	0.1180
05/04/89	12.7395	0.1474	0.2110	0.1180
05/05/89	244.8504	2.8339	8.7500	0.1980
05/06/89	365.7238	4.2329	5.8200	2.7900
05/07/89	181.7279	2.1033	2.7400	1.6100
05/08/89	116.6040	1.3496	1.6100	1.1300
05/09/89	191.6730	2.2184	5.2300	1.1600
05/10/89	242.6939	2.8090	3.3300	2.2100
05/11/89	153.2700	1.7740	2.1600	1.4100

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
05/12/89	103.2247	1.1947	1.4100	0.9960
05/13/89	71.6445	0.8292	0.9960	0.6840
05/14/89	51.1335	0.5918	0.6840	0.5200
05/15/89	39.6711	0.4592	0.5200	0.3810
05/16/89	29.0412	0.3361	0.3810	0.2670
05/17/89	22.3947	0.2592	0.2970	0.2110
05/18/89	18.2214	0.2109	0.2250	0.1980
05/19/89	18.7857	0.2174	0.2250	0.1980
05/20/89	72.2214	0.8359	2.3600	0.2250
05/21/89	34.0848	0.3945	0.5200	0.2970
05/22/89	24.5412	0.2840	0.3280	0.2390
05/23/89	21.9996	0.2546	0.2820	0.2110
05/24/89	16.3512	0.1893	0.2110	0.1490
05/25/89	13.6026	0.1574	0.1850	0.1290
05/26/89	40.1040	0.4642	3.6600	0.1180
05/27/89	136.0251	1.5744	2.6200	0.9960
05/28/89	78.5349	0.9090	1.1600	0.7100
05/29/89	49.5513	0.5735	0.7100	0.4180
05/30/89	32.5665	0.3769	0.4570	0.2670
05/31/89	23.5845	0.2730	0.3280	0.1980
06/01/89	16.7022	0.1933	0.2250	0.1390
06/02/89	13.8015	0.1614	0.1850	0.1290
06/03/89	12.2328	0.1416	0.1610	0.1080
06/04/89	11.7180	0.1356	0.1610	0.1080
06/05/89	24.2199	0.2803	0.7360	0.1610
06/06/89	91.5489	1.0596	3.5300	0.2820
06/07/89	83.7738	0.9696	1.2300	0.7360
06/08/89	77.3163	0.8949	1.9200	0.5640
06/09/89	572.4359	6.6254	9.4500	2.0100
06/10/89	297.0179	3.4377	4.9000	2.3600
06/11/89	150.6149	1.7432	2.3600	1.3400
06/12/89	151.0020	1.7477	4.6700	1.1600
06/13/89	283.9680	3.2867	3.8600	2.4600
06/14/89	193.1311	2.2353	2.9100	1.6500
06/15/89	516.2581	5.9752	9.8200	1.6500
06/16/89	702.6748	8.1328	13.2000	6.0000
06/17/89	420.3989	4.8657	6.9400	3.4000
06/18/89	218.0701	2.5240	3.4000	1.9200
06/19/89	151.0470	1.7482	2.1100	1.4500
06/20/89	678.4561	7.8525	13.0000	1.4100
06/21/89	517.3289	5.9876	8.0800	4.2200
06/22/89	515.2230	5.9632	12.3000	3.6600
06/23/89	337.2838	3.9037	5.1500	2.9100
06/24/89	193.3921	2.2383	2.8500	1.7400
06/25/89	121.8510	1.4103	1.7400	1.1300
06/26/89	84.3300	0.9760	1.1300	0.7900

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
06/27/89	59.2317	0.6856	0.8180	0.5200
06/28/89	66.5730	0.7705	1.5700	0.4570
06/29/89	48.5694	0.5621	0.8460	0.3810
06/30/89	30.3642	0.3514	0.3990	0.2820
07/01/89	30.0177	0.3474	0.4180	0.2970
07/02/89	34.1145	0.3948	0.4370	0.3630
07/03/89	115.0875	1.3320	2.0600	0.3810
07/04/89	134.2260	1.5535	1.7800	1.3400
07/05/89	97.9550	1.1337	1.3400	0.9650
07/06/89	277.8885	3.2163	5.5600	0.9340
07/07/89	272.1511	3.1831	3.9300	2.5100
07/08/89	169.7580	1.9648	2.5100	1.5300
07/09/89	107.3439	1.2424	1.5300	0.9650
07/10/89	69.7851	0.8077	0.9960	0.6110
07/11/89	46.8144	0.5418	0.6350	0.4370
07/12/89	41.4549	0.4798	0.5640	0.4180
07/13/89	37.9017	0.4387	0.5200	0.3810
07/14/89	27.7452	0.3211	0.3810	0.2390
07/15/89	20.4372	0.2365	0.2820	0.1730
07/16/89	22.1211	0.2560	0.2970	0.1850
07/17/89	18.0612	0.2090	0.2670	0.1290
07/18/89	13.4991	0.1562	0.1850	0.1080
07/19/89	21.0798	0.2440	0.4990	0.1290
07/20/89	16.5933	0.1921	0.2390	0.1290
07/21/89	16.8210	0.1947	0.2530	0.1490
07/22/89	14.4234	0.1669	0.2110	0.1180
07/23/89	18.9297	0.2191	0.6110	0.1290
07/24/89	14.4333	0.1671	0.2250	0.1180
07/25/89	9.6857	0.1121	0.1390	0.0826
07/26/89	7.8753	0.0911	0.1180	0.0696
07/27/89	7.0349	0.0814	0.0989	0.0636
07/28/89	6.5106	0.0754	0.0907	0.0579
07/29/89	6.4436	0.0746	0.0826	0.0636
07/30/89	6.7350	0.0780	0.0907	0.0636
07/31/89	7.1883	0.0832	0.0907	0.0696
08/01/89	41.4859	0.4802	2.5100	0.0826
08/02/89	28.6335	0.3314	0.6590	0.1980
08/03/89	13.9878	0.1619	0.1980	0.1080
08/04/89	10.0047	0.1170	0.1490	0.0826
08/05/89	7.9310	0.0918	0.1080	0.0696
08/06/89	7.5830	0.0878	0.0989	0.0826
08/07/89	7.0619	0.0817	0.0989	0.0636
08/08/89	5.6724	0.0657	0.0756	0.0519
08/09/89	4.9177	0.0569	0.0636	0.0466
08/10/89	4.5323	0.0525	0.0636	0.0413
08/11/89	4.2951	0.0497	0.0579	0.0360

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
08/12/89	4.1232	0.0477	0.0579	0.0360
08/13/89	3.9642	0.0459	0.0519	0.0360
08/14/89	3.8602	0.0447	0.0519	0.0312
08/15/89	3.9785	0.0460	0.0519	0.0360
08/16/89	3.9356	0.0456	0.0519	0.0360
08/17/89	3.9547	0.0458	0.0519	0.0413
08/18/89	3.9308	0.0455	0.0519	0.0360
08/19/89	3.4514	0.0399	0.0466	0.0264
08/20/89	3.0788	0.0356	0.0413	0.0219
08/21/89	2.8808	0.0333	0.0413	0.0219
08/22/89	2.6881	0.0311	0.0360	0.0219
08/23/89	11.6064	0.1343	0.7360	0.0178
08/24/89	13.9833	0.1618	0.4180	0.1080
08/25/89	7.4451	0.0862	0.1080	0.0636
08/26/89	6.2395	0.0722	0.0907	0.0636
08/27/89	5.6398	0.0653	0.0756	0.0519
08/28/89	4.4190	0.0511	0.0579	0.0413
08/29/89	3.6067	0.0417	0.0466	0.0312
08/30/89	4.1357	0.0479	0.0636	0.0360
08/31/89	3.8760	0.0449	0.0519	0.0312
09/01/89	12.5781	0.1456	0.7100	0.0360
09/02/89	11.3420	0.1313	0.2390	0.0756
09/03/89	5.9221	0.0685	0.0826	0.0579
09/04/89	4.4441	0.0514	0.0579	0.0360
09/05/89	3.7465	0.0434	0.0519	0.0312
09/06/89	3.2964	0.0382	0.0413	0.0360
09/07/89	3.2118	0.0372	0.0413	0.0264
09/08/89	3.1684	0.0367	0.0466	0.0264
09/09/89	2.7591	0.0319	0.0360	0.0219
09/10/89	2.8253	0.0327	0.0360	0.0264
09/11/89	11.4689	0.1327	0.8180	0.0312
09/12/89	9.2925	0.1076	0.1390	0.0907
09/13/89	6.9133	0.0800	0.0907	0.0636
09/14/89	11.5002	0.1331	0.5870	0.0696
09/15/89	70.0373	0.8106	6.3700	0.0907
09/16/89	60.9615	0.7056	1.6500	0.3280
09/17/89	20.2671	0.2346	0.3280	0.1610
09/18/89	11.4664	0.1327	0.1610	0.0907
09/19/89	7.6280	0.0883	0.0989	0.0696
09/20/89	6.1258	0.0709	0.0826	0.0579
09/21/89	5.3336	0.0617	0.0696	0.0519
09/22/89	47.4224	0.5489	0.9040	0.0579
09/23/89	120.3435	1.3929	2.3600	0.7900
09/24/89	54.2529	0.6279	0.9340	0.4570
09/25/89	59.1363	0.6844	3.5300	0.3630
09/26/89	154.9080	1.7929	3.4000	1.1300

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
09/27/89	71.9991	0.8333	1.1300	0.5870
09/28/89	40.1832	0.4651	0.5870	0.3810
09/29/89	57.9240	0.6704	0.8460	0.3810
09/30/89	291.8178	3.3775	19.2000	0.0000
CWDF4 (Area = 0.210 sq miles)				
01/01/89	129.6000	1.5000	0.0000	0.9650
01/02/89	66.5387	0.7701	0.9650	0.6270
01/03/89	48.2400	0.5583	0.6270	0.4490
01/04/89	33.6663	0.3897	0.4490	0.3390
01/05/89	27.0144	0.3127	0.3390	0.2910
01/06/89	44.2886	0.5126	0.7040	0.2910
01/07/89	38.8800	0.4500	0.4910	0.4100
01/08/89	129.6000	1.5000	0.0000	0.4100
01/09/89	69.1200	0.8000	0.0000	0.5560
01/10/89	51.8400	0.6000	0.0000	0.0000
01/11/89	69.1200	0.8000	0.0000	0.0000
01/12/89	388.8000	4.5000	0.0000	0.0000
01/13/89	259.2000	3.0000	0.0000	0.0000
01/14/89	164.1600	1.9000	0.0000	1.6500
01/15/89	172.8000	2.0000	0.0000	1.4700
01/16/89	100.7999	1.1667	1.4700	0.9330
01/17/89	65.6352	0.7597	0.9330	0.6520
01/18/89	48.4155	0.5604	0.6520	0.4910
01/19/89	36.8370	0.4264	0.4910	0.3740
01/20/89	27.5814	0.3192	0.3740	0.2610
01/21/89	20.2644	0.2345	0.2610	0.2200
01/22/89	17.1288	0.1982	0.2070	0.1950
01/23/89	15.2118	0.1761	0.1950	0.1600
01/24/89	13.1850	0.1526	0.1600	0.1400
01/25/89	10.9773	0.1271	0.1400	0.1210
01/26/89	9.9441	0.1151	0.1210	0.1120
01/27/89	8.8407	0.1023	0.1120	0.0950
01/28/89	7.7328	0.0895	0.0950	0.0870
01/29/89	7.5168	0.0870	0.0870	0.0870
01/30/89	14.3154	0.1657	0.2070	0.0870
01/31/89	10.9971	0.1273	0.1500	0.1210
02/01/89	10.0008	0.1158	0.1210	0.1120
02/02/89	9.1503	0.1059	0.1120	0.1030
02/03/89	8.9766	0.1050	0.1120	0.1030
02/04/89	8.2080	0.0950	0.0950	0.0950
02/05/89	20.2455	0.2343	0.3230	0.0950
02/06/89	43.6491	0.5052	0.6270	0.3230
02/07/89	56.8305	0.6578	0.6780	0.6030
02/08/89	45.8856	0.5311	0.6030	0.4490

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
02/09/89	34.3944	0.3981	0.4490	0.3740
02/10/89	28.8990	0.3345	0.3740	0.3070
02/11/89	24.3990	0.2824	0.3070	0.2610
02/12/89	19.7685	0.2288	0.2610	0.2070
02/13/89	17.2368	0.1995	0.2070	0.1950
02/14/89	17.7192	0.2051	0.2910	0.1710
02/15/89	20.5110	0.2374	0.2910	0.2200
02/16/89	18.0252	0.2086	0.2200	0.2070
02/17/89	55.0764	0.6375	1.6500	0.2070
02/18/89	135.1080	1.5637	1.6900	1.3600
02/19/89	95.4441	1.1047	1.3600	0.9020
02/20/89	86.5080	1.0012	1.2800	0.8140
02/21/89	49.4397	0.5722	1.8200	0.0000
02/22/89	108.8981	1.2604	1.5600	0.9970
02/23/89	69.5448	0.8049	0.9970	0.6520
02/24/89	47.7612	0.5528	0.6520	0.4910
02/25/89	37.9161	0.4388	0.4910	0.4100
02/26/89	31.6971	0.3669	0.4100	0.3230
02/27/89	32.4414	0.3755	0.4490	0.3230
02/28/89	45.9333	0.5316	0.6520	0.4490
03/01/89	53.7687	0.6223	0.6520	0.5560
03/02/89	44.5707	0.5159	0.5560	0.4700
03/03/89	35.2908	0.4128	0.4700	0.3740
03/04/89	29.1978	0.3379	0.3740	0.3230
03/05/89	129.6000	1.5000	6.0000	0.3920
03/06/89	241.9200	2.8000	6.0000	1.5600
03/07/89	109.0152	1.2617	1.5600	0.9970
03/08/89	69.6141	0.8057	0.9970	0.6520
03/09/89	48.9042	0.5660	0.6520	0.5120
03/10/89	38.2050	0.4422	0.5120	0.3920
03/11/89	31.3677	0.3631	0.3920	0.3230
03/12/89	24.3972	0.2824	0.3230	0.2470
03/13/89	20.4228	0.2364	0.2470	0.2200
03/14/89	18.0171	0.2085	0.2200	0.1950
03/15/89	15.3909	0.1781	0.1950	0.1500
03/16/89	11.7351	0.1358	0.1500	0.1210
03/17/89	10.0656	0.1165	0.1210	0.1120
03/18/89	18.9819	0.2197	0.4100	0.1120
03/19/89	15.8733	0.1837	0.2330	0.1710
03/20/89	18.5292	0.2145	0.2910	0.1710
03/21/89	61.2234	0.7086	0.9330	0.3230
03/22/89	48.5379	0.5618	0.6270	0.4910
03/23/89	48.6189	0.5627	0.6520	0.4910
03/24/89	48.7827	0.5646	0.6030	0.5340
03/25/89	40.4190	0.4678	0.5340	0.4100
03/26/89	32.2605	0.3734	0.4100	0.3390

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
03/27/89	25.9920	0.3008	0.3390	0.2750
03/28/89	21.8574	0.2530	0.2750	0.2470
03/29/89	19.7676	0.2288	0.2470	0.2200
03/30/89	54.5544	0.6314	1.7400	0.0000
03/31/89	42.6042	1.1834	1.6900	0.7040
04/01/89	62.0000	0.7182	0.8420	0.6030
04/02/89	44.9000	0.5200	0.6030	0.0000
04/03/89	38.0000	0.4400	0.0000	0.0000
04/04/89	76.0000	0.8800	0.0000	0.0000
04/05/89	95.0000	1.1000	0.0000	0.0000
04/06/89	58.8000	0.6800	0.0000	0.0000
04/07/89	47.5000	0.5500	0.0000	0.4700
04/08/89	42.9525	0.4971	0.6030	0.4290
04/09/89	35.8893	0.4154	0.4700	0.3920
04/10/89	31.4226	0.3637	0.3920	0.3560
04/11/89	27.4050	0.3172	0.3560	0.2910
04/12/89	23.6826	0.2741	0.2910	0.2610
04/13/89	21.2778	0.2463	0.2610	0.2330
04/14/89	18.9144	0.2189	0.2330	0.2070
04/15/89	18.8361	0.2180	0.2330	0.1950
04/16/89	14.9967	0.1736	0.1950	0.1600
04/17/89	12.8790	0.1491	0.1600	0.1400
04/18/89	11.7639	0.1362	0.1400	0.1310
04/19/89	10.9764	0.1270	0.1310	0.1210
04/20/89	9.4500	0.1094	0.1210	0.1030
04/21/89	8.6400	0.1000	0.1030	0.0950
04/22/89	8.0208	0.0928	0.0950	0.0870
04/23/89	8.3034	0.0961	0.1120	0.0870
04/24/89	7.3263	0.0848	0.0870	0.0797
04/25/89	6.5966	0.0763	0.0797	0.0663
04/26/89	5.6095	0.0649	0.0663	0.0603
04/27/89	5.0899	0.0589	0.0603	0.0545
04/28/89	4.7088	0.0545	0.0545	0.0545
04/29/89	5.7532	0.0666	0.0950	0.0545
04/30/89	4.6902	0.0543	0.0603	0.0486
05/01/89	6.7216	0.0778	0.1030	0.0486
05/02/89	6.1926	0.0717	0.0797	0.0663
05/03/89	4.5455	0.0526	0.0663	0.0430
05/04/89	3.7152	0.0430	0.0430	0.0430
05/05/89	68.6275	0.7943	3.2900	0.0430
05/06/89	88.4268	1.0235	1.3600	0.7300
05/07/89	51.2262	0.5929	0.7300	0.4700
05/08/89	35.5392	0.4113	0.4700	0.3560
05/09/89	54.0720	0.6258	1.7800	0.3560
05/10/89	61.5204	0.7120	0.8420	0.6030
05/11/89	42.2361	0.4888	0.6030	0.3920

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
05/12/89	30.0987	0.3484	0.3920	0.2750
05/13/89	21.3372	0.2470	0.2750	0.2070
05/14/89	16.3944	0.1897	0.2070	0.1710
05/15/89	13.3767	0.1548	0.1710	0.1310
05/16/89	10.1853	0.1179	0.1310	0.1030
05/17/89	8.1590	0.0944	0.1030	0.0797
05/18/89	6.7414	0.0780	0.0797	0.0730
05/19/89	6.5605	0.0759	0.0797	0.0730
05/20/89	22.0693	0.2554	0.6030	0.0797
05/21/89	11.4678	0.1327	0.1710	0.1030
05/22/89	8.2800	0.0958	0.1030	0.0870
05/23/89	7.1169	0.0824	0.0870	0.0730
05/24/89	5.7480	0.0665	0.0730	0.0545
05/25/89	4.5389	0.0525	0.0545	0.0486
05/26/89	10.7372	0.1243	1.1300	0.0430
05/27/89	36.5319	0.4228	0.9020	0.2750
05/28/89	22.8654	0.2646	0.3230	0.2200
05/29/89	15.8004	0.1829	0.2200	0.1400
05/30/89	10.1421	0.1174	0.1400	0.0870
05/31/89	7.2594	0.0840	0.0950	0.0663
06/01/89	5.7451	0.0665	0.0730	0.0545
06/02/89	5.0282	0.0588	0.0663	0.0545
06/03/89	4.6345	0.0536	0.0545	0.0486
06/04/89	4.1990	0.0486	0.0486	0.0486
06/05/89	5.9738	0.0691	0.1210	0.0486
06/06/89	26.0352	0.3013	1.1000	0.1030
06/07/89	23.5017	0.2720	0.3560	0.2200
06/08/89	21.6000	0.2500	0.0000	0.0000
06/09/89	129.6000	1.5000	0.0000	0.0000
06/10/89	70.5213	0.8162	1.1000	0.5560
06/11/89	37.1286	0.4297	0.5560	0.3230
06/12/89	36.4860	0.4223	1.3200	0.2750
06/13/89	59.8131	0.6923	0.9650	0.6030
06/14/89	41.3460	0.4785	0.6030	0.3560
06/15/89	108.1090	1.2513	1.6900	0.3560
06/16/89	151.2000	1.7500	0.0000	0.0000
06/17/89	116.1963	1.3449	1.6900	0.9650
06/18/89	62.9604	0.7287	0.9650	0.5340
06/19/89	39.3129	0.4550	0.5340	0.3740
06/20/89	119.2356	1.3800	1.6900	0.3740
06/21/89	122.2199	1.4146	1.6500	1.2000
06/22/89	146.8800	1.7000	0.0000	0.0000
06/23/89	116.1989	1.3449	1.6500	0.0000
06/24/89	64.8000	0.7500	0.0000	0.0000
06/25/89	43.2000	0.5000	0.0000	0.0000
06/26/89	30.2400	0.3500	0.0000	0.2330

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
06/27/89	16.1109	0.1865	0.2330	0.1310
06/28/89	13.9815	0.1618	0.2200	0.1310
06/29/89	13.4163	0.1553	0.2070	0.1120
06/30/89	8.8632	0.1026	0.1120	0.0870
07/01/89	7.5168	0.0870	0.0870	0.0870
07/02/89	7.5168	0.0870	0.0870	0.0870
07/03/89	20.7099	0.2397	0.3560	0.0870
07/04/89	28.5696	0.3307	0.3390	0.3070
07/05/89	23.2632	0.2692	0.3070	0.2330
07/06/89	79.6545	0.9219	1.5600	0.2330
07/07/89	60.2484	0.6973	1.2800	0.6520
07/08/89	46.4141	0.5372	0.6520	0.3920
07/09/89	29.5574	0.3421	0.3920	0.2610
07/10/89	18.4810	0.2139	0.2610	0.1710
07/11/89	12.7094	0.1471	0.1710	0.1210
07/12/89	10.1693	0.1177	0.1210	0.1120
07/13/89	9.5126	0.1101	0.1120	0.1030
07/14/89	8.2944	0.0960	0.1030	0.0870
07/15/89	7.5168	0.0870	0.0870	0.0870
07/16/89	7.5168	0.0870	0.0870	0.0870
07/17/89	7.4117	0.0858	0.0870	0.0797
07/18/89	6.8861	0.0797	0.0797	0.0797
07/19/89	7.0175	0.0812	0.0870	0.0797
07/20/89	6.8861	0.0797	0.0797	0.0797
07/21/89	5.9098	0.0684	0.0797	0.0603
07/22/89	5.2099	0.0603	0.0603	0.0603
07/23/89	5.9188	0.0685	0.0870	0.0603
07/24/89	5.7271	0.0663	0.0730	0.0603
07/25/89	5.1316	0.0594	0.0603	0.0545
07/26/89	4.7109	0.0545	0.0545	0.0545
07/27/89	4.2097	0.0487	0.0545	0.0486
07/28/89	3.8513	0.0446	0.0486	0.0430
07/29/89	3.5442	0.0410	0.0430	0.0380
07/30/89	3.2832	0.0380	0.0380	0.0380
07/31/89	3.2832	0.0380	0.0380	0.0380
08/01/89	4.9128	0.0569	0.1830	0.0184
08/02/89	10.0571	0.1160	0.1600	0.0730
08/03/89	5.3658	0.0621	0.0730	0.0486
08/04/89	3.1148	0.0361	0.0486	0.0297
08/05/89	2.5661	0.0297	0.0297	0.0297
08/06/89	2.5661	0.0297	0.0297	0.0297
08/07/89	2.4262	0.0281	0.0297	0.0255
08/08/89	2.2032	0.0255	0.0255	0.0255
08/09/89	1.9750	0.0229	0.0255	0.0184
08/10/89	1.5898	0.0184	0.0184	0.0184
08/11/89	1.5898	0.0184	0.0184	0.0184

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
08/12/89	1.5898	0.0184	0.0184	0.0184
08/13/89	1.5898	0.0184	0.0184	0.0184
08/14/89	1.4949	0.0173	0.0184	0.0153
08/15/89	1.3219	0.0153	0.0153	0.0153
08/16/89	1.3219	0.0153	0.0153	0.0153
08/17/89	1.3219	0.0153	0.0153	0.0153
08/18/89	1.3219	0.0153	0.0153	0.0153
08/19/89	1.3219	0.0153	0.0153	0.0153
08/20/89	1.3219	0.0153	0.0153	0.0153
08/21/89	1.3003	0.0151	0.0153	0.0123
08/22/89	1.0627	0.0123	0.0123	0.0123
08/23/89	1.4875	0.0172	0.0380	0.0123
08/24/89	2.5661	0.0297	0.0297	0.0297
08/25/89	2.5661	0.0297	0.0297	0.0297
08/26/89	2.5585	0.0296	0.0297	0.0255
08/27/89	2.2032	0.0255	0.0255	0.0255
08/28/89	2.1861	0.0253	0.0255	0.0217
08/29/89	1.5927	0.0184	0.0217	0.0184
08/30/89	1.3247	0.0153	0.0184	0.0153
08/31/89	1.0627	0.0123	0.0123	0.0123
09/01/89	2.2794	0.0267	0.0603	0.0097
09/02/89	4.1990	0.0486	0.0486	0.0486
09/03/89	3.8761	0.0449	0.0486	0.0380
09/04/89	3.1660	0.0366	0.0380	0.0338
09/05/89	2.8465	0.0329	0.0338	0.0297
09/06/89	2.5661	0.0297	0.0297	0.0297
09/07/89	2.5661	0.0297	0.0297	0.0297
09/08/89	2.2869	0.0265	0.0297	0.0217
09/09/89	1.8749	0.0217	0.0217	0.0217
09/10/89	1.8749	0.0217	0.0217	0.0217
09/11/89	4.1453	0.0480	0.1030	0.0217
09/12/89	5.8719	0.0680	0.0797	0.0603
09/13/89	4.6655	0.0540	0.0603	0.0430
09/14/89	3.4362	0.0398	0.0603	0.0338
09/15/89	17.5926	0.2036	1.3600	0.0430
09/16/89	25.3485	0.2934	0.6270	0.1830
09/17/89	12.8403	0.1486	0.1830	0.1120
09/18/89	9.2835	0.1074	0.1120	0.0950
09/19/89	7.1940	0.0833	0.0950	0.0730
09/20/89	6.3072	0.0730	0.0730	0.0730
09/21/89	6.3072	0.0730	0.0730	0.0730
09/22/89	10.6936	0.1238	0.1950	0.0730
09/23/89	27.6660	0.3202	0.3740	0.1950
09/24/89	23.9472	0.2772	0.3390	0.2330
09/25/89	22.3650	0.2589	0.9970	0.2200
09/26/89	55.1925	0.6388	0.9970	0.4490

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
09/27/89	30.5838	0.3540	0.4290	0.2750
09/28/89	21.3210	0.2468	0.2750	0.2200
09/29/89	19.4202	0.2248	0.2470	0.2200
09/30/89	31.0392	0.3592	1.7400	0.0000
CWDF7 (Area = 0.054 sq miles)				
01/01/89	39.8979	0.4618	0.7100	0.2660
01/02/89	18.6192	0.2155	0.2660	0.1850
01/03/89	13.0824	0.1514	0.1850	0.1190
01/04/89	8.5154	0.0986	0.1190	0.0823
01/05/89	5.5729	0.0645	0.0823	0.0590
01/06/89	8.1130	0.0949	0.1090	0.0590
01/07/89	9.4423	0.1093	0.1190	0.0996
01/08/89	22.7313	0.2631	0.3280	0.1190
01/09/89	22.4910	0.2603	0.3120	0.2100
01/10/89	15.8517	0.1835	0.2100	0.1500
01/11/89	13.2525	0.1534	0.2660	0.1290
01/12/89	122.4801	1.4176	2.3100	0.0000
01/13/89	93.9015	1.0868	1.4500	0.8180
01/14/89	0.0000	0.7000	0.0000	0.0000
01/15/89	0.0000	0.7300	0.0000	0.0000
01/16/89	0.0000	0.4100	0.0000	0.0000
01/17/89	0.0000	0.2600	0.0000	0.0000
01/18/89	0.0000	0.1900	0.0000	0.0000
01/19/89	0.0000	0.1400	0.0000	0.0000
01/20/89	0.0000	0.1100	0.0000	0.0000
01/21/89	6.9819	0.0808	0.0911	0.0742
01/22/89	6.1071	0.0707	0.0742	0.0667
01/23/89	5.7629	0.0667	0.0667	0.0667
01/24/89	5.3817	0.0623	0.0667	0.0590
01/25/89	4.7720	0.0552	0.0590	0.0523
01/26/89	4.5187	0.0523	0.0523	0.0523
01/27/89	4.5067	0.0522	0.0523	0.0456
01/28/89	4.2474	0.0492	0.0523	0.0456
01/29/89	3.9398	0.0456	0.0456	0.0456
01/30/89	4.5971	0.0532	0.0590	0.0456
01/31/89	4.3619	0.0505	0.0523	0.0456
02/01/89	4.2232	0.0489	0.0523	0.0456
02/02/89	3.9398	0.0456	0.0456	0.0456
02/03/89	3.8575	0.0446	0.0456	0.0395
02/04/89	3.7532	0.0434	0.0456	0.0395
02/05/89	4.9148	0.0569	0.0667	0.0395
02/06/89	9.7481	0.1128	0.1730	0.0667
02/07/89	18.5652	0.2149	0.2240	0.1850
02/08/89	16.8705	0.1953	0.2100	0.1730

Table 4.1[illegible] (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
02/09/89	13.3605	0.1546	0.1730	0.1390
02/10/89	11.1102	0.1286	0.1390	0.0996
02/11/89	10.0206	0.1160	0.1290	0.1090
02/12/89	7.8592	0.0910	0.0996	0.0823
02/13/89	6.6587	0.0771	0.0823	0.0742
02/14/89	6.3032	0.0730	0.0823	0.0667
02/15/89	6.0329	0.0698	0.0742	0.0667
02/16/89	5.7629	0.0667	0.0667	0.0667
02/17/89	10.7349	0.1242	0.2810	0.0667
02/18/89	53.7003	0.6215	0.7100	0.2960
02/19/89	39.9267	0.4621	0.5640	0.3450
02/20/89	26.9757	0.3122	0.3450	0.2960
02/21/89	78.2145	0.9053	1.1900	0.2960
02/22/89	49.4901	0.5728	0.7900	0.3990
02/23/89	26.3736	0.3053	0.3990	0.2520
02/24/89	18.2322	0.2110	0.2380	0.1850
02/25/89	14.2272	0.1647	0.1850	0.1500
02/26/89	12.3750	0.1432	0.1500	0.1290
02/27/89	11.2716	0.1305	0.1390	0.1190
02/28/89	11.8152	0.1367	0.1620	0.1290
03/01/89	16.0002	0.1852	0.2100	0.1620
03/02/89	18.1440	0.2100	0.2100	0.2100
03/03/89	17.0073	0.1989	0.2100	0.1500
03/04/89	15.6780	0.1815	0.2100	0.1620
03/05/89	32.1462	0.3721	2.3600	0.1620
03/06/89	134.1212	1.5523	2.7400	0.9340
03/07/89	61.8048	0.7153	0.9650	0.5200
03/08/89	33.6726	0.3897	0.4990	0.3120
03/09/89	23.7681	0.2751	0.3120	0.2520
03/10/89	19.0890	0.2209	0.2520	0.1980
03/11/89	15.8175	0.1831	0.1980	0.1730
03/12/89	13.2012	0.1528	0.1730	0.1390
03/13/89	11.2896	0.1307	0.1390	0.1290
03/14/89	10.5516	0.1221	0.1290	0.1190
03/15/89	9.4945	0.1099	0.1190	0.0996
03/16/89	8.2153	0.0951	0.0996	0.0911
03/17/89	7.4830	0.0866	0.0911	0.0823
03/18/89	9.0182	0.1044	0.1730	0.0823
03/19/89	9.0369	0.1046	0.1090	0.0996
03/20/89	9.3008	0.1076	0.1290	0.0996
03/21/89	16.3953	0.1898	0.2520	0.1290
03/22/89	22.0752	0.2555	0.2660	0.2520
03/23/89	21.1302	0.2446	0.2520	0.2380
03/24/89	20.5632	0.2380	0.2380	0.2380
03/25/89	19.8702	0.2300	0.2380	0.2240
03/26/89	17.5014	0.2026	0.2240	0.1850

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
03/27/89	14.2326	0.1647	0.1850	0.1500
03/28/89	11.8755	0.1374	0.1500	0.1290
03/29/89	10.8396	0.1255	0.1290	0.1190
03/30/89	13.6287	0.1577	0.1980	0.1290
03/31/89	8.3988	0.2222	0.2520	0.1730
04/01/89	17.3511	0.2008	0.2240	0.1390
04/02/89	19.7316	0.2284	0.2380	0.2240
04/03/89	18.0432	0.2088	0.2240	0.1850
04/04/89	21.4344	0.2481	0.3630	0.1850
04/05/89	41.2947	0.4779	0.5200	0.3630
04/06/89	29.0016	0.3357	0.4180	0.2960
04/07/89	23.2119	0.2687	0.2960	0.2380
04/08/89	19.4292	0.2249	0.2520	0.2100
04/09/89	16.1694	0.1871	0.2100	0.1730
04/10/89	14.9472	0.1730	0.1730	0.1730
04/11/89	12.8664	0.1489	0.1730	0.1390
04/12/89	11.4336	0.1323	0.1390	0.1190
04/13/89	10.5876	0.1225	0.1290	0.1190
04/14/89	9.2263	0.1068	0.1190	0.0742
04/15/89	9.6516	0.1117	0.1190	0.1090
04/16/89	8.6982	0.1007	0.1090	0.0911
04/17/89	7.8710	0.0911	0.0911	0.0911
04/18/89	7.5938	0.0879	0.0911	0.0823
04/19/89	7.5542	0.0874	0.0911	0.0823
04/20/89	6.8920	0.0798	0.0823	0.0742
04/21/89	6.5421	0.0757	0.0823	0.0742
04/22/89	6.6952	0.0775	0.0823	0.0742
04/23/89	6.4996	0.0752	0.0911	0.0742
04/24/89	6.1611	0.0713	0.0742	0.0667
04/25/89	5.7629	0.0667	0.0667	0.0667
04/26/89	5.7629	0.0667	0.0667	0.0667
04/27/89	5.5896	0.0647	0.0667	0.0590
04/28/89	5.3956	0.0624	0.0667	0.0590
04/29/89	5.5222	0.0639	0.0996	0.0590
04/30/89	4.9288	0.0570	0.0590	0.0590
05/01/89	5.7813	0.0669	0.0996	0.0590
05/02/89	5.3817	0.0623	0.0667	0.0590
05/03/89	5.0976	0.0590	0.0590	0.0590
05/04/89	5.2085	0.0603	0.0667	0.0590
05/05/89	10.4106	0.1218	0.1980	0.0590
05/06/89	18.0360	0.2087	0.2100	0.1980
05/07/89	18.1440	0.2100	0.2100	0.2100
05/08/89	15.6654	0.1813	0.2100	0.1620
05/09/89	13.6629	0.1581	0.1730	0.1390
05/10/89	14.9472	0.1730	0.1730	0.1730
05/11/89	15.0444	0.1741	0.1850	0.1730

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
05/12/89	14.4603	0.1674	0.1850	0.1500
05/13/89	10.8990	0.1261	0.1500	0.1090
05/14/89	8.6711	0.1004	0.1090	0.0911
05/15/89	7.4275	0.0860	0.0911	0.0823
05/16/89	7.1107	0.0823	0.0823	0.0823
05/17/89	6.4473	0.0746	0.0823	0.0742
05/18/89	5.7899	0.0670	0.0742	0.0667
05/19/89	5.4164	0.0627	0.0667	0.0590
05/20/89	7.2855	0.0843	0.1500	0.0590
05/21/89	6.6442	0.0769	0.0823	0.0742
05/22/89	5.3949	0.0624	0.0742	0.0590
05/23/89	5.0976	0.0590	0.0590	0.0590
05/24/89	4.8745	0.0564	0.0590	0.0523
05/25/89	4.5187	0.0523	0.0523	0.0523
05/26/89	4.8849	0.0565	0.0911	0.0523
05/27/89	8.0648	0.0933	0.1290	0.0667
05/28/89	7.3958	0.0856	0.0911	0.0823
05/29/89	5.6884	0.0658	0.0823	0.0590
05/30/89	4.8323	0.0559	0.0590	0.0523
05/31/89	4.5187	0.0523	0.0523	0.0523
06/01/89	4.3438	0.0503	0.0523	0.0456
06/02/89	4.4716	0.0523	0.0523	0.0523
06/03/89	4.5187	0.0523	0.0523	0.0523
06/04/89	4.5489	0.0526	0.0590	0.0523
06/05/89	4.9843	0.0577	0.1090	0.0523
06/06/89	5.7074	0.0661	0.0996	0.0590
06/07/89	5.7282	0.0663	0.0667	0.0590
06/08/89	5.9495	0.0689	0.1190	0.0590
06/09/89	28.6992	0.3322	0.4570	0.1090
06/10/89	23.2605	0.2692	0.3630	0.2100
06/11/89	15.4134	0.1784	0.2100	0.1500
06/12/89	12.5190	0.1449	0.2520	0.1190
06/13/89	18.4968	0.2141	0.2520	0.1620
06/14/89	20.3616	0.2357	0.2520	0.2100
06/15/89	48.6261	0.5628	0.9040	0.2100
06/16/89	80.6526	0.9335	1.0590	0.8180
06/17/89	56.9727	0.6594	0.9040	0.4570
06/18/89	28.9404	0.3350	0.4570	0.2660
06/19/89	20.3634	0.2357	0.2810	0.2100
06/20/89	90.7128	1.0499	2.1600	0.2100
06/21/89	84.8781	0.9824	1.4900	0.6590
06/22/89	51.1083	0.5915	0.6840	0.5420
06/23/89	40.0824	0.4639	0.5420	0.3630
06/24/89	26.3691	0.3052	0.3630	0.2660
06/25/89	19.3788	0.2243	0.2660	0.1980
06/26/89	14.6286	0.1693	0.1980	0.1500

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
06/27/89	11.1195	0.1287	0.1500	0.1190
06/28/89	9.9846	0.1156	0.1190	0.1090
06/29/89	8.9438	0.1035	0.1090	0.0996
06/30/89	8.1617	0.0945	0.0996	0.0911
07/01/89	7.8710	0.0911	0.0911	0.0911
07/02/89	7.6414	0.0884	0.0911	0.0823
07/03/89	9.5248	0.1102	0.1620	0.0823
07/04/89	9.7146	0.1124	0.1190	0.1090
07/05/89	9.3161	0.1078	0.1090	0.0996
07/06/89	11.6181	0.1345	0.1620	0.0996
07/07/89	16.6554	0.1948	0.2100	0.1620
07/08/89	15.9507	0.1846	0.2100	0.1620
07/09/89	12.1437	0.1406	0.1620	0.1290
07/10/89	9.4351	0.1092	0.1290	0.0996
07/11/89	8.0694	0.0934	0.0996	0.0823
07/12/89	7.7667	0.0899	0.0996	0.0823
07/13/89	7.2612	0.0840	0.0911	0.0823
07/14/89	6.5351	0.0756	0.0823	0.0667
07/15/89	5.4302	0.0628	0.0667	0.0590
07/16/89	5.1808	0.0600	0.0667	0.0590
07/17/89	5.0976	0.0590	0.0590	0.0590
07/18/89	5.0976	0.0590	0.0590	0.0590
07/19/89	5.2149	0.0604	0.0823	0.0590
07/20/89	5.0976	0.0590	0.0590	0.0590
07/21/89	4.6634	0.0540	0.0590	0.0523
07/22/89	4.3740	0.0506	0.0523	0.0456
07/23/89	4.1871	0.0485	0.0590	0.0456
07/24/89	4.3258	0.0501	0.0523	0.0456
07/25/89	3.9398	0.0456	0.0456	0.0456
07/26/89	3.9398	0.0456	0.0456	0.0456
07/27/89	3.9398	0.0456	0.0456	0.0456
07/28/89	3.6379	0.0421	0.0456	0.0395
07/29/89	3.9124	0.0453	0.0456	0.0395
07/30/89	3.9398	0.0456	0.0456	0.0456
07/31/89	3.9398	0.0456	0.0456	0.0456
08/01/89	6.6105	0.0765	0.6110	0.0456
08/02/89	5.6623	0.0655	0.0823	0.0590
08/03/89	4.3921	0.0508	0.0590	0.0456
08/04/89	2.8589	0.0334	0.0456	0.0238
08/05/89	2.0563	0.0238	0.0238	0.0238
08/06/89	2.0563	0.0238	0.0238	0.0238
08/07/89	2.0563	0.0238	0.0238	0.0238
08/08/89	2.0563	0.0238	0.0238	0.0238
08/09/89	2.0563	0.0238	0.0238	0.0238
08/10/89	2.0563	0.0238	0.0238	0.0238
08/11/89	2.1764	0.0252	0.0284	0.0238

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
08/12/89	2.8220	0.0327	0.0340	0.0238
08/13/89	2.8822	0.0334	0.0340	0.0284
08/14/89	2.4538	0.0284	0.0284	0.0284
08/15/89	2.4538	0.0284	0.0284	0.0284
08/16/89	2.4538	0.0284	0.0284	0.0284
08/17/89	2.4538	0.0284	0.0284	0.0284
08/18/89	2.4538	0.0284	0.0284	0.0284
08/19/89	2.4538	0.0284	0.0284	0.0284
08/20/89	2.4538	0.0284	0.0284	0.0284
08/21/89	2.4538	0.0284	0.0284	0.0284
08/22/89	2.4538	0.0284	0.0284	0.0284
08/23/89	3.1640	0.0366	0.1290	0.0284
08/24/89	3.3347	0.0386	0.0456	0.0340
08/25/89	2.6605	0.0308	0.0340	0.0117
08/26/89	2.4689	0.0286	0.0340	0.0284
08/27/89	2.4538	0.0284	0.0284	0.0284
08/28/89	2.3130	0.0268	0.0284	0.0238
08/29/89	2.3089	0.0267	0.0284	0.0238
08/30/89	2.4144	0.0279	0.0395	0.0238
08/31/89	2.4538	0.0284	0.0284	0.0284
09/01/89	3.2165	0.0372	0.1090	0.0238
09/02/89	3.9398	0.0456	0.0456	0.0456
09/03/89	3.2652	0.0378	0.0456	0.0340
09/04/89	2.9376	0.0340	0.0340	0.0340
09/05/89	2.9376	0.0340	0.0340	0.0340
09/06/89	2.9376	0.0340	0.0340	0.0340
09/07/89	2.7058	0.0313	0.0340	0.0284
09/08/89	2.6017	0.0301	0.0340	0.0192
09/09/89	2.4538	0.0284	0.0284	0.0284
09/10/89	2.4538	0.0284	0.0284	0.0284
09/11/89	3.0498	0.0353	0.0911	0.0284
09/12/89	2.9475	0.0341	0.0395	0.0340
09/13/89	2.9275	0.0339	0.0340	0.0284
09/14/89	3.1553	0.0365	0.0911	0.0340
09/15/89	6.0424	0.0699	0.6110	0.0238
09/16/89	5.7633	0.0667	0.0996	0.0590
09/17/89	4.1764	0.0483	0.0590	0.0395
09/18/89	3.0346	0.0351	0.0395	0.0284
09/19/89	2.7410	0.0317	0.0340	0.0284
09/20/89	2.6705	0.0309	0.0340	0.0284
09/21/89	2.5142	0.0291	0.0340	0.0284
09/22/89	4.9744	0.0576	0.0823	0.0284
09/23/89	4.4995	0.0746	0.0911	0.0667
09/24/89	0.0000	0.0900	0.0000	0.0000
09/25/89	0.0000	0.1000	0.0000	0.0000
09/26/89	0.0000	0.2000	0.0000	0.0000

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
09/27/89	0.0000	0.1500	0.0000	0.0000
09/28/89	0.0000	0.1200	0.0000	0.0000
09/29/89	0.0000	0.1500	0.0000	0.0000
09/30/89	0.0000	0.2000	0.0000	0.0000
CWDF8 (Area = 0.122 sq miles)				
01/01/89	45.7227	0.5292	0.5800	0.4910
01/02/89	35.7786	0.4141	0.4910	0.3390
01/03/89	26.5356	0.3071	0.3390	0.2470
01/04/89	17.6805	0.2046	0.2470	0.1830
01/05/89	13.5441	0.1568	0.1830	0.1400
01/06/89	13.8231	0.1617	0.1950	0.1400
01/07/89	12.9600	0.1500	0.1500	0.1500
01/08/89	35.0487	0.4057	0.6270	0.1500
01/09/89	32.8275	0.3799	0.4100	0.3390
01/10/89	26.7552	0.3097	0.3390	0.2750
01/11/89	25.3062	0.2929	0.4700	0.2470
01/12/89	83.5317	0.9668	1.8200	0.0000
01/13/89	134.4150	1.5557	1.8200	1.2000
01/14/89	92.7036	1.0730	1.2000	0.9650
01/15/89	85.0770	0.9847	1.1300	0.8420
01/16/89	60.9876	0.7059	0.8420	0.5800
01/17/89	42.7068	0.4943	0.5800	0.4100
01/18/89	30.9024	0.3577	0.4100	0.3070
01/19/89	23.6916	0.2742	0.3070	0.2470
01/20/89	16.7166	0.1935	0.2470	0.1710
01/21/89	13.1706	0.1524	0.1710	0.1310
01/22/89	9.0693	0.1050	0.1210	0.0870
01/23/89	7.1949	0.0833	0.0870	0.0797
01/24/89	6.4640	0.0748	0.0797	0.0730
01/25/89	5.4488	0.0631	0.0730	0.0603
01/26/89	4.5626	0.0528	0.0603	0.0486
01/27/89	3.1991	0.0370	0.0486	0.0297
01/28/89	2.4073	0.0279	0.0297	0.0255
01/29/89	2.2032	0.0255	0.0255	0.0255
01/30/89	3.3440	0.0387	0.0430	0.0255
01/31/89	2.6666	0.0309	0.0380	0.0297
02/01/89	2.5661	0.0297	0.0297	0.0297
02/02/89	2.3053	0.0267	0.0297	0.0255
02/03/89	2.1050	0.0246	0.0255	0.0217
02/04/89	1.8851	0.0218	0.0255	0.0217
02/05/89	3.3293	0.0385	0.0430	0.0217
02/06/89	8.9473	0.1036	0.1600	0.0430
02/07/89	16.4943	0.1909	0.1950	0.1600
02/08/89	16.8480	0.1950	0.1950	0.1950

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
02/09/89	16.3620	0.1894	0.1950	0.1830
02/10/89	15.0462	0.1741	0.1830	0.1600
02/11/89	13.8240	0.1600	0.1600	0.1600
02/12/89	11.4921	0.1330	0.1600	0.1210
02/13/89	9.3366	0.1081	0.1210	0.1030
02/14/89	8.8992	0.1030	0.1030	0.1030
02/15/89	8.5176	0.0986	0.1030	0.0950
02/16/89	7.7616	0.0898	0.0950	0.0870
02/17/89	11.7450	0.1359	0.3070	0.0870
02/18/89	34.9686	0.4047	0.4290	0.3070
02/19/89	37.0656	0.4290	0.4290	0.4290
02/20/89	39.8880	0.4617	0.5120	0.4290
02/21/89	86.8832	1.0056	1.2000	0.4490
02/22/89	73.1781	0.8470	1.0300	0.7040
02/23/89	49.1346	0.5687	0.6780	0.4100
02/24/89	32.0130	0.3705	0.4100	0.3070
02/25/89	25.4016	0.2940	0.3070	0.2750
02/26/89	20.9466	0.2424	0.2750	0.2070
02/27/89	18.2358	0.2111	0.2200	0.2070
02/28/89	17.8848	0.2070	0.2070	0.2070
03/01/89	17.8848	0.2070	0.2070	0.2070
03/02/89	17.8848	0.2070	0.2070	0.2070
03/03/89	17.7552	0.2055	0.2070	0.1950
03/04/89	16.8480	0.1950	0.1950	0.1950
03/05/89	35.9118	0.4156	1.5600	0.2070
03/06/89	116.7300	1.3510	1.3900	1.2400
03/07/89	84.4218	0.9771	1.2400	0.7530
03/08/89	56.0277	0.6485	0.7530	0.5340
03/09/89	41.0814	0.4755	0.5340	0.4290
03/10/89	29.8440	0.3454	0.4290	0.2910
03/11/89	23.7132	0.2745	0.2910	0.2610
03/12/89	18.9162	0.2189	0.2610	0.2070
03/13/89	16.9452	0.1961	0.2070	0.1950
03/14/89	12.4416	0.1440	0.1950	0.1210
03/15/89	10.0818	0.1167	0.1210	0.1030
03/16/89	7.7256	0.0894	0.1030	0.0870
03/17/89	6.0268	0.0698	0.0870	0.0603
03/18/89	8.0642	0.0933	0.1600	0.0603
03/19/89	7.5232	0.0871	0.1030	0.0797
03/20/89	6.9589	0.0805	0.1210	0.0797
03/21/89	16.7283	0.1936	0.1950	0.1310
03/22/89	16.8480	0.1950	0.1950	0.1950
03/23/89	20.0250	0.2318	0.2610	0.1950
03/24/89	22.5504	0.2610	0.2610	0.2610
03/25/89	21.8700	0.2531	0.2610	0.2330
03/26/89	19.4409	0.2250	0.2330	0.2200

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
03/27/89	18.3573	0.2125	0.2200	0.1950
03/28/89	16.4052	0.1899	0.1950	0.1710
03/29/89	14.7744	0.1710	0.1710	0.1710
03/30/89	26.0730	0.3018	0.4910	0.1710
03/31/89	13.1976	0.3859	0.4490	0.3230
04/01/89	31.8600	0.3688	0.3740	0.3560
04/02/89	29.9934	0.3471	0.3560	0.3390
04/03/89	29.2896	0.3390	0.3390	0.3390
04/04/89	32.9544	0.3814	0.4490	0.2910
04/05/89	36.2790	0.4199	0.4290	0.4100
04/06/89	34.7112	0.4017	0.4100	0.3920
04/07/89	32.0544	0.3710	0.3920	0.3560
04/08/89	29.5191	0.3417	0.3560	0.3390
04/09/89	24.4188	0.2826	0.3390	0.2610
04/10/89	21.4668	0.2485	0.2610	0.2330
04/11/89	19.5579	0.2264	0.2330	0.2200
04/12/89	17.5905	0.2036	0.2200	0.1950
04/13/89	15.2874	0.1769	0.1950	0.1600
04/14/89	11.8701	0.1374	0.1600	0.1210
04/15/89	10.4544	0.1210	0.1210	0.1210
04/16/89	10.2195	0.1183	0.1210	0.1120
04/17/89	9.5391	0.1104	0.1120	0.1030
04/18/89	8.8992	0.1030	0.1030	0.1030
04/19/89	8.2584	0.0956	0.1030	0.0950
04/20/89	8.2080	0.0950	0.0950	0.0950
04/21/89	7.0368	0.0814	0.0950	0.0730
04/22/89	6.3072	0.0730	0.0730	0.0730
04/23/89	6.3072	0.0730	0.0730	0.0730
04/24/89	6.3072	0.0730	0.0730	0.0730
04/25/89	6.3072	0.0730	0.0730	0.0730
04/26/89	6.3072	0.0730	0.0730	0.0730
04/27/89	5.3717	0.0622	0.0730	0.0430
04/28/89	3.5802	0.0414	0.0430	0.0380
04/29/89	3.9218	0.0454	0.0603	0.0380
04/30/89	3.7404	0.0433	0.0486	0.0430
05/01/89	5.4950	0.0636	0.0870	0.0430
05/02/89	5.5555	0.0643	0.0663	0.0603
05/03/89	4.7428	0.0549	0.0603	0.0380
05/04/89	3.2832	0.0380	0.0380	0.0380
05/05/89	24.4805	0.2833	0.8720	0.0380
05/06/89	43.9164	0.5083	0.5340	0.4910
05/07/89	40.9482	0.4739	0.4910	0.4490
05/08/89	35.9919	0.4166	0.4490	0.3920
05/09/89	36.1143	0.4180	0.5800	0.3560
05/10/89	38.7936	0.4490	0.4490	0.4490
05/11/89	32.6052	0.3774	0.4490	0.3390

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
05/12/89	26.5914	0.3078	0.3390	0.2610
05/13/89	21.9555	0.2541	0.2610	0.2200
05/14/89	18.1530	0.2101	0.2200	0.1710
05/15/89	12.7566	0.1476	0.1710	0.1310
05/16/89	9.3375	0.1081	0.1310	0.0950
05/17/89	7.3011	0.0845	0.0950	0.0730
05/18/89	6.3072	0.0730	0.0730	0.0730
05/19/89	5.6721	0.0656	0.0730	0.0545
05/20/89	11.9466	0.1383	0.2200	0.0545
05/21/89	8.4285	0.0976	0.1310	0.0870
05/22/89	6.8245	0.0790	0.0870	0.0730
05/23/89	6.0841	0.0704	0.0730	0.0663
05/24/89	5.1310	0.0594	0.0663	0.0486
05/25/89	4.0880	0.0473	0.0486	0.0380
05/26/89	5.3134	0.0615	0.2910	0.0338
05/27/89	11.9151	0.1379	0.1600	0.1030
05/28/89	10.1673	0.1177	0.1310	0.1030
05/29/89	8.3880	0.0971	0.1030	0.0870
05/30/89	6.7654	0.0783	0.0870	0.0730
05/31/89	5.5191	0.0639	0.0730	0.0486
06/01/89	3.9544	0.0458	0.0486	0.0380
06/02/89	2.5738	0.0298	0.0380	0.0255
06/03/89	2.2032	0.0255	0.0255	0.0255
06/04/89	2.2032	0.0255	0.0255	0.0255
06/05/89	2.8139	0.0326	0.0486	0.0255
06/06/89	6.7863	0.0785	0.1830	0.0338
06/07/89	8.1841	0.0947	0.1120	0.0797
06/08/89	8.2531	0.0955	0.1500	0.0797
06/09/89	44.6778	0.5171	0.7810	0.1400
06/10/89	45.3690	0.5251	0.5340	0.4910
06/11/89	36.0261	0.4170	0.4910	0.3740
06/12/89	30.7395	0.3558	0.5800	0.2910
06/13/89	32.1597	0.3722	0.4490	0.3560
06/14/89	30.7431	0.3558	0.3560	0.3390
06/15/89	63.2259	0.7318	1.0600	0.3390
06/16/89	102.0573	1.1812	1.5100	0.9650
06/17/89	88.5430	1.0248	1.2800	0.8140
06/18/89	59.1093	0.6841	0.8140	0.5800
06/19/89	42.8166	0.4956	0.5800	0.4100
06/20/89	96.2928	1.1145	1.7400	0.4100
06/21/89	113.5619	1.3144	1.5100	1.0300
06/22/89	91.3032	1.0567	1.5100	0.9020
06/23/89	66.9546	0.7749	0.9020	0.7040
06/24/89	50.6917	0.5867	0.7040	0.4910
06/25/89	36.5526	0.4231	0.4910	0.3740
06/26/89	29.4075	0.3404	0.3740	0.3230

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
06/27/89	24.0156	0.2780	0.3230	0.2610
06/28/89	18.4284	0.2133	0.2610	0.1950
06/29/89	13.1184	0.1518	0.1950	0.1310
06/30/89	8.8902	0.1029	0.1310	0.0870
07/01/89	7.5168	0.0870	0.0870	0.0870
07/02/89	7.5168	0.0870	0.0870	0.0870
07/03/89	13.4631	0.1558	0.2070	0.0870
07/04/89	14.6565	0.1696	0.1830	0.1600
07/05/89	13.1490	0.1522	0.1600	0.1400
07/06/89	18.4239	0.2132	0.2470	0.1400
07/07/89	20.1312	0.2330	0.2330	0.2330
07/08/89	20.1312	0.2330	0.2330	0.2330
07/09/89	19.5228	0.2260	0.2330	0.2070
07/10/89	17.3664	0.2010	0.2070	0.1950
07/11/89	12.8358	0.1486	0.1950	0.1310
07/12/89	9.8010	0.1134	0.1310	0.1030
07/13/89	8.8344	0.1023	0.1030	0.0950
07/14/89	6.0404	0.0699	0.0950	0.0338
07/15/89	2.6665	0.0309	0.0338	0.0255
07/16/89	2.6380	0.0305	0.0380	0.0255
07/17/89	2.7770	0.0321	0.0380	0.0255
07/18/89	1.9019	0.0220	0.0255	0.0153
07/19/89	2.7437	0.0318	0.0663	0.0153
07/20/89	3.1207	0.0361	0.0380	0.0338
07/21/89	3.1918	0.0369	0.0486	0.0338
07/22/89	3.0980	0.0359	0.0380	0.0338
07/23/89	3.0110	0.0349	0.0380	0.0338
07/24/89	2.8926	0.0335	0.0338	0.0184
07/25/89	2.8354	0.0328	0.0338	0.0297
07/26/89	2.5661	0.0297	0.0297	0.0297
07/27/89	2.3393	0.0271	0.0297	0.0255
07/28/89	2.0117	0.0233	0.0255	0.0217
07/29/89	1.8749	0.0217	0.0217	0.0217
07/30/89	1.8749	0.0217	0.0217	0.0217
07/31/89	1.8749	0.0217	0.0217	0.0217
08/01/89	8.6218	0.0998	0.7810	0.0217
08/02/89	6.4663	0.0748	0.1210	0.0603
08/03/89	4.3394	0.0502	0.0603	0.0380
08/04/89	2.2788	0.0267	0.0380	0.0184
08/05/89	1.5898	0.0184	0.0184	0.0184
08/06/89	1.3442	0.0156	0.0184	0.0153
08/07/89	1.3219	0.0153	0.0153	0.0153
08/08/89	1.3219	0.0153	0.0153	0.0153
08/09/89	1.1302	0.0131	0.0153	0.0123
08/10/89	0.7654	0.0089	0.0123	0.0053
08/11/89	0.3722	0.0043	0.0053	0.0036

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
08/12/89	0.3110	0.0036	0.0036	0.0036
08/13/89	0.3110	0.0036	0.0036	0.0036
08/14/89	0.3110	0.0036	0.0036	0.0036
08/15/89	0.3097	0.0036	0.0036	0.0021
08/16/89	0.3110	0.0036	0.0036	0.0036
08/17/89	0.3110	0.0036	0.0036	0.0036
08/18/89	0.2368	0.0027	0.0036	0.0021
08/19/89	0.1814	0.0021	0.0021	0.0021
08/20/89	0.1814	0.0021	0.0021	0.0021
08/21/89	0.1814	0.0021	0.0021	0.0021
08/22/89	0.1814	0.0021	0.0021	0.0021
08/23/89	0.7194	0.0083	0.0380	0.0021
08/24/89	2.1802	0.0252	0.0338	0.0217
08/25/89	1.3615	0.0158	0.0217	0.0123
08/26/89	1.1443	0.0132	0.0153	0.0097
08/27/89	1.2139	0.0141	0.0153	0.0123
08/28/89	1.0832	0.0125	0.0184	0.0053
08/29/89	0.4579	0.0053	0.0053	0.0053
08/30/89	0.4579	0.0053	0.0053	0.0053
08/31/89	0.4579	0.0053	0.0053	0.0053
09/01/89	2.2446	0.0263	0.0950	0.0036
09/02/89	3.3445	0.0387	0.0663	0.0255
09/03/89	1.8049	0.0209	0.0255	0.0184
09/04/89	1.5898	0.0184	0.0184	0.0184
09/05/89	1.3387	0.0155	0.0184	0.0153
09/06/89	1.1673	0.0135	0.0153	0.0097
09/07/89	0.8381	0.0097	0.0097	0.0097
09/08/89	0.7150	0.0083	0.0097	0.0073
09/09/89	0.6307	0.0073	0.0073	0.0073
09/10/89	0.6307	0.0073	0.0073	0.0073
09/11/89	1.1246	0.0130	0.0255	0.0073
09/12/89	1.5898	0.0184	0.0184	0.0184
09/13/89	1.3861	0.0160	0.0184	0.0153
09/14/89	1.3219	0.0153	0.0153	0.0153
09/15/89	9.6707	0.1119	1.2800	0.0153
09/16/89	7.9055	0.0915	0.1950	0.0663
09/17/89	4.7427	0.0549	0.0663	0.0486
09/18/89	3.6196	0.0419	0.0486	0.0338
09/19/89	2.3247	0.0269	0.0338	0.0217
09/20/89	1.8749	0.0217	0.0217	0.0217
09/21/89	1.8749	0.0217	0.0217	0.0217
09/22/89	4.3667	0.0505	0.0663	0.0217
09/23/89	5.3125	0.0615	0.0663	0.0603
09/24/89	5.2099	0.0603	0.0603	0.0603
09/25/89	6.6596	0.0771	0.2610	0.0603
09/26/89	19.0998	0.2211	0.2610	0.2070

Table 4.11 (continued)

Date	Total flow (1000 cf)	Average flow (cfs)	Maximum flow (cfs)	Minimum flow (cfs)
09/27/89	14.1687	0.1640	0.2070	0.1210
09/28/89	8.3286	0.0964	0.1210	0.0870
09/29/89	7.5168	0.0870	0.0870	0.0870
09/30/89	32.5323	0.3765	1.6500	0.0870

Comments: A value of "0.0000" indicates that either no flow was recorded on this date or an actual value is missing for this date.

Table 4.12. Surface water quality field data: West Chestnut Ridge selected sampling sites, FY89, quarters 1-4

Well ID	Date	Cond.	D.O.	pH	Temp.	Turb.
fl-1	03-07-89	0.05	6.00	6.90	9.20	12.00
fl-1	05-23-89	0.11	4.80	7.90	17.80	41.00
fl-1	08-28-89	0.25	7.10	8.20	19.70	92.00
fl-1	11-30-88	0.16	4.40	7.80	8.60	18.00
fl-3	03-08-89	0.05	5.80	6.40	8.20	41.00
fl-3	05-23-89	0.05	4.30	7.70	17.70	47.00
fl-3	08-28-89	0.13	6.20	7.20	20.20	93.00
fl-3	11-29-88	0.07	2.30	6.30	9.50	17.00
fl-4	03-08-89	0.04	6.80	6.40	8.20	67.00
fl-4	05-23-89	0.04	7.80	7.90	18.40	16.00
fl-4	08-28-89	0.12	5.90	7.40	20.20	94.00
fl-4	11-29-88	0.08	5.20	7.90	9.30	19.00
fl-7	03-09-89	0.10	5.10	6.80	10.90	11.00
fl-7	05-23-89	0.16	6.70	7.90	14.90	47.00
fl-7	08-28-89	0.21	9.90	8.20	17.80	98.00
fl-7	11-30-88	0.24	3.40	7.70	9.50	14.00
fl-8	03-07-89	0.04	5.40	6.40	8.30	35.00
fl-8	05-23-89	0.04	5.50	7.60	14.00	52.00
fl-8	08-28-89	0.05	4.00	7.00	20.20	76.00
fl-8	11-30-88	0.09	2.80	6.60	9.30	16.00

*Cond. = conductivity in ms/cm; D.O. = dissolved oxygen; Temp. = temperature in degress C; Turb. = turbidity in Jtu.

Table 4.13. Chemical analysis of surface water samples from West Chestnut Ridge site, FY89

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-1	11/30/88	AG	<	0.00500	MG/L	0.0000
fl-1	03/07/89	AG	<	0.00500	MG/L	0.0000
fl-1	05/23/89	AG	<	0.00500	MG/L	0.0000
fl-1	11/30/88	AL		0.10000	MG/L	0.0000
fl-1	03/07/89	AL		0.19000	MG/L	0.0000
fl-1	05/23/89	AL		0.14000	MG/L	0.0000
fl-1	11/30/88	ALKALINITY		62.50000	MG CACO3/L	0.0000
fl-1	03/07/89	ALKALINITY		37.00000	MG CACO3/L	0.0000
fl-1	05/23/89	ALKALINITY		77.50000	MG CACO3/L	0.0000
fl-1	11/30/88	AS	<	0.01000	UG/ML	0.0000
fl-1	03/07/89	AS	<	0.01000	UG/ML	0.0000
fl-1	05/23/89	AS	<	0.01000	UG/ML	0.0000
fl-1	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-1	11/30/88	B	<	0.08000	MG/L	0.0000
fl-1	03/07/89	B	<	0.08000	MG/L	0.0000
fl-1	05/23/89	B	<	0.08000	MG/L	0.0000
fl-1	11/30/88	BA		0.03900	MG/L	0.0000
fl-1	03/07/89	BA		0.02900	MG/L	0.0000
fl-1	05/23/89	BA		0.06000	MG/L	0.0000
fl-1	11/30/88	BE	<	0.00030	MG/L	0.0000
fl-1	03/07/89	BE	<	0.00030	MG/L	0.0000
fl-1	05/23/89	BE	<	0.00040	MG/L	0.0000
fl-1	11/30/88	CA		15.00000	MG/L	0.0000
fl-1	03/07/89	CA		11.00000	MG/L	0.0000
fl-1	05/23/89	CA		19.00000	MG/L	0.0000
fl-1	11/30/88	CD	<	0.00200	MG/L	0.0000
fl-1	03/07/89	CD	<	0.00200	MG/L	0.0000
fl-1	05/23/89	CD	<	0.00200	MG/L	0.0000
fl-1	11/30/88	CHLORIDE		3.40000	MG/L	0.0000
fl-1	03/07/89	CHLORIDE		1.90000	MG/L	0.0000
fl-1	05/23/89	CHLORIDE		1.90000	MG/L	0.0000
fl-1	11/30/88	CO	<	0.00300	MG/L	0.0000
fl-1	03/07/89	CO	<	0.00300	MG/L	0.0000
fl-1	05/23/89	CO	<	0.00300	MG/L	0.0000
fl-1	11/30/88	CR	<	0.00500	MG/L	0.0000
fl-1	03/07/89	CR	<	0.00500	MG/L	0.0000
fl-1	05/23/89	CR		0.00490	MG/L	0.0000
fl-1	11/30/88	CU	<	0.01000	MG/L	0.0000
fl-1	03/07/89	CU	<	0.01000	MG/L	0.0000
fl-1	05/23/89	CU	<	0.01000	MG/L	0.0000
fl-1	11/30/88	FE		0.04500	MG/L	0.0000
fl-1	03/07/89	FE		0.07900	MG/L	0.0000
fl-1	05/23/89	FE		0.11000	MG/L	0.0000
fl-1	11/30/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-1	03/07/89	FLUORIDE	<	1.00000	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-1	05/23/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-1	11/30/88	G-ALPHA		0.06000	BQ/L	0.0600
fl-1	03/07/89	G-ALPHA		0.02000	BQ/L	0.0700
fl-1	05/23/89	G-ALPHA		0.14000	BQ/L	0.3700
fl-1	08/28/89	G-ALPHA		0.13000	BQ/L	0.5200
fl-1	11/30/88	G-BETA		0.58000	BQ/L	0.1400
fl-1	03/07/89	G-BETA		0.01000	BQ/L	0.1700
fl-1	05/23/89	G-BETA		0.90000	BQ/L	2.1000
fl-1	08/28/89	G-BETA		-0.40000	BQ/L	1.9000
fl-1	11/30/88	GA	<	0.30000	MG/L	0.0000
fl-1	05/23/89	GA	<	0.30000	MG/L	0.0000
fl-1	11/30/88	HG	<	0.00010	UG/ML	0.0000
fl-1	03/07/89	HG	<	0.00010	UG/ML	0.0000
fl-1	05/23/89	HG	<	0.00010	UG/ML	0.0000
fl-1	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-1	11/30/88	LI	<	0.20000	MG/L	0.0000
fl-1	03/07/89	LI	<	0.20000	MG/L	0.0000
fl-1	11/30/88	MG		6.60000	MG/L	0.0000
fl-1	03/07/89	MG		4.00000	MG/L	0.0000
fl-1	05/23/89	MG		8.00000	MG/L	0.0000
fl-1	11/30/88	MN		0.00740	MG/L	0.0000
fl-1	03/07/89	MN	<	0.00200	MG/L	0.0000
fl-1	05/23/89	MN		0.04600	MG/L	0.0000
fl-1	11/30/88	MO	<	0.04000	MG/L	0.0000
fl-1	03/07/89	MO	<	0.04000	MG/L	0.0000
fl-1	05/23/89	MO	<	0.04000	MG/L	0.0000
fl-1	11/30/88	NA		1.20000	MG/L	0.0000
fl-1	03/07/89	NA		0.67000	MG/L	0.0000
fl-1	05/23/89	NA	<	2.00000	MG/L	0.0000
fl-1	11/30/88	NI		0.02700	MG/L	0.0000
fl-1	03/07/89	NI	<	0.00500	MG/L	0.0000
fl-1	05/23/89	NI	<	0.00600	MG/L	0.0000
fl-1	11/30/88	NITRATE	<	5.00000	MG/L	0.0000
fl-1	03/07/89	NITRATE	<	5.00000	MG/L	0.0000
fl-1	05/23/89	NITRATE	<	5.00000	MG/L	0.0000
fl-1	11/30/88	P	<	0.30000	MG/L	0.0000
fl-1	03/07/89	P	<	0.30000	MG/L	0.0000
fl-1	05/23/89	P	<	0.30000	MG/L	0.0000
fl-1	11/30/88	PB	<	0.05000	MG/L	0.0000
fl-1	03/07/89	PB	<	0.05000	MG/L	0.0000
fl-1	05/23/89	PB	<	0.03000	MG/L	0.0000
fl-1	11/30/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-1	03/07/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-1	05/23/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-1	11/30/88	SB	<	0.03000	MG/L	0.0000
fl-1	03/07/89	SB	<	0.03000	MG/L	0.0000
fl-1	05/23/89	SB	<	0.04000	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-1	11/30/88	SE	<	0.00500	UG/ML	0.0000
fl-1	03/07/89	SE	<	0.00500	UG/ML	0.0000
fl-1	05/23/89	SE	<	0.00500	UG/ML	0.0000
fl-1	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-1	11/30/88	SI		3.00000	MG/L	0.0000
fl-1	03/07/89	SI		3.80000	MG/L	0.0000
fl-1	05/23/89	SI		3.10000	MG/L	0.0000
fl-1	11/30/88	SN	<	0.05000	MG/L	0.0000
fl-1	03/07/89	SN	<	0.05000	MG/L	0.0000
fl-1	05/23/89	SN	<	0.05000	MG/L	0.0000
fl-1	11/30/88	SR		0.02000	MG/L	0.0000
fl-1	05/23/89	SR		0.01800	MG/L	0.0000
fl-1	11/30/88	SULFATE	<	5.00000	MG/L	0.0000
fl-1	03/07/89	SULFATE	<	5.00000	MG/L	0.0000
fl-1	05/23/89	SULFATE	<	5.00000	MG/L	0.0000
fl-1	11/30/88	TI	<	0.02000	MG/L	0.0000
fl-1	03/07/89	TI		0.02800	MG/L	0.0000
fl-1	05/23/89	TI	<	0.02000	MG/L	0.0000
fl-1	11/30/88	TOC		1.50000	UG/ML	0.0000
fl-1	03/07/89	TOC	<	0.50000	UG/ML	0.0000
fl-1	05/23/89	TOC		1.10000	UG/ML	0.0000
fl-1	08/28/89	TOC		2.00000	UG/ML	0.0000
fl-1	11/30/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-1	03/07/89	TOTAL URANIUM	<	0.00300	MG/L	0.0000
fl-1	05/23/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
fl-1	11/30/88	TOX	<	5.00000	UG/L	0.0000
fl-1	03/07/89	TOX		6.00000	UG/L	0.0000
fl-1	05/23/89	TOX	<	5.00000	UG/L	0.0000
fl-1	11/30/88	TRITIUM		53.00000	BQ/L	45.0000
fl-1	03/07/89	TRITIUM		16.00000	BQ/L	31.0000
fl-1	05/23/89	TRITIUM		20.00000	BQ/L	31.0000
fl-1	08/28/89	TRITIUM		43.00000	BQ/L	30.0000
fl-1	11/30/88	V		0.00610	MG/L	0.0000
fl-1	03/07/89	V		0.01400	MG/L	0.0000
fl-1	05/23/89	V	<	0.00400	MG/L	0.0000
fl-1	11/30/88	ZN		0.08400	MG/L	0.0000
fl-1	03/07/89	ZN		0.01200	MG/L	0.0000
fl-1	05/23/89	ZN		0.01800	MG/L	0.0000
fl-1	11/30/88	ZR	<	0.02000	MG/L	0.0000
fl-1	03/07/89	ZR	<	0.02000	MG/L	0.0000
fl-1	05/23/89	ZR	<	0.02000	MG/L	0.0000
fl-3	11/29/88	AG	<	0.00500	MG/L	0.0000
fl-3	03/08/89	AG	<	0.00500	MG/L	0.0000
fl-3	05/23/89	AG	<	0.00500	MG/L	0.0000
fl-3	11/29/88	AL	<	0.05000	MG/L	0.0000
fl-3	03/08/89	AL		0.19000	MG/L	0.0000
fl-3	05/23/89	AL		0.11000	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-3	11/29/88	ALKALINITY		14.50000	MG CACO3/L	0.0000
fl-3	03/08/89	ALKALINITY		11.50000	MG CACO3/L	0.0000
fl-3	05/23/89	ALKALINITY		25.00000	MG CACO3/L	0.0000
fl-3	11/29/88	AS	<	0.01000	UG/ML	0.0000
fl-3	03/08/89	AS	<	0.01000	UG/ML	0.0000
fl-3	05/23/89	AS	<	0.01000	UG/ML	0.0000
fl-3	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-3	11/29/88	B	<	0.08000	MG/L	0.0000
fl-3	03/08/89	B	<	0.08000	MG/L	0.0000
fl-3	05/23/89	B	<	0.08000	MG/L	0.0000
fl-3	11/29/88	BA		0.02100	MG/L	0.0000
fl-3	03/08/89	BA		0.04400	MG/L	0.0000
fl-3	05/23/89	BA		0.04100	MG/L	0.0000
fl-3	11/29/88	BE	<	0.00030	MG/L	0.0000
fl-3	03/08/89	BE	<	0.00030	MG/L	0.0000
fl-3	05/23/89	BE	<	0.00040	MG/L	0.0000
fl-3	11/29/88	CA		4.30000	MG/L	0.0000
fl-3	03/08/89	CA		3.30000	MG/L	0.0000
fl-3	05/23/89	CA		5.70000	MG/L	0.0000
fl-3	11/29/88	CD	<	0.00200	MG/L	0.0000
fl-3	03/08/89	CD	<	0.00200	MG/L	0.0000
fl-3	05/23/89	CD	<	0.00200	MG/L	0.0000
fl-3	11/29/88	CHLORIDE		5.20000	MG/L	0.0000
fl-3	03/08/89	CHLORIDE		2.60000	MG/L	0.0000
fl-3	05/23/89	CHLORIDE		2.70000	MG/L	0.0000
fl-3	11/29/88	CO	<	0.00300	MG/L	0.0000
fl-3	03/08/89	CO	<	0.00300	MG/L	0.0000
fl-3	05/23/89	CO	<	0.00300	MG/L	0.0000
fl-3	11/29/88	CR	<	0.00500	MG/L	0.0000
fl-3	03/08/89	CR	<	0.00500	MG/L	0.0000
fl-3	05/23/89	CR	<	0.00300	MG/L	0.0000
fl-3	11/29/88	CU	<	0.01000	MG/L	0.0000
fl-3	03/08/89	CU	<	0.01000	MG/L	0.0000
fl-3	05/23/89	CU	<	0.01000	MG/L	0.0000
fl-3	11/29/88	FE		0.02400	MG/L	0.0000
fl-3	03/08/89	FE		0.08000	MG/L	0.0000
fl-3	05/23/89	FE		0.11000	MG/L	0.0000
fl-3	11/29/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-3	03/08/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-3	05/23/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-3	11/29/88	G-ALPHA		0.00000	BQ/L	0.0000
fl-3	03/08/89	G-ALPHA		-0.02000	BQ/L	0.0100
fl-3	05/23/89	G-ALPHA		0.14000	BQ/L	0.3900
fl-3	08/28/89	G-ALPHA		-0.02000	BQ/L	0.3800
fl-3	11/29/88	G-BETA		0.00000	BQ/L	0.0100
fl-3	03/08/89	G-BETA		0.02000	BQ/L	0.2200
fl-3	05/23/89	G-BETA		0.50000	BQ/L	2.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-3	08/28/89	G-BETA		1.10000	BQ/L	2.4000
fl-3	11/29/88	GA	<	0.30000	MG/L	0.0000
fl-3	05/23/89	GA	<	0.30000	MG/L	0.0000
fl-3	11/29/88	HG	<	0.00010	UG/ML	0.0000
fl-3	03/08/89	HG	<	0.00010	UG/ML	0.0000
fl-3	05/23/89	HG	<	0.00010	UG/ML	0.0000
fl-3	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-3	11/29/88	LI	<	0.20000	MG/L	0.0000
fl-3	03/08/89	LI	<	0.20000	MG/L	0.0000
fl-3	11/29/88	MG		2.00000	MG/L	0.0000
fl-3	03/08/89	MG		1.70000	MG/L	0.0000
fl-3	11/29/88	MN		0.00440	MG/L	0.0000
fl-3	03/08/89	MN	<	0.00200	MG/L	0.0000
fl-3	05/23/89	MN		0.05000	MG/L	0.0000
fl-3	11/29/88	MO	<	0.04000	MG/L	0.0000
fl-3	03/08/89	MO	<	0.04000	MG/L	0.0000
fl-3	05/23/89	MO	<	0.04000	MG/L	0.0000
fl-3	11/29/88	NA		1.90000	MG/L	0.0000
fl-3	03/08/89	NA		1.00000	MG/L	0.0000
fl-3	05/23/89	NA	<	2.00000	MG/L	0.0000
fl-3	11/29/88	NI	<	0.00500	MG/L	0.0000
fl-3	03/08/89	NI	<	0.00500	MG/L	0.0000
fl-3	05/23/89	NI		0.00620	MG/L	0.0000
fl-3	11/29/88	NITRATE	<	5.00000	MG/L	0.0000
fl-3	03/08/89	NITRATE	<	5.00000	MG/L	0.0000
fl-3	05/23/89	NITRATE	<	5.00000	MG/L	0.0000
fl-3	11/29/88	P	<	0.30000	MG/L	0.0000
fl-3	03/08/89	P	<	0.30000	MG/L	0.0000
fl-3	05/23/89	P	<	0.30000	MG/L	0.0000
fl-3	11/29/88	PB	<	0.05000	MG/L	0.0000
fl-3	03/08/89	PB	<	0.05000	MG/L	0.0000
fl-3	05/23/89	PB	<	0.03000	MG/L	0.0000
fl-3	11/29/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-3	03/08/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-3	05/23/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-3	11/29/88	SB	<	0.03000	MG/L	0.0000
fl-3	03/08/89	SB	<	0.03000	MG/L	0.0000
fl-3	05/23/89	SB	<	0.04000	MG/L	0.0000
fl-3	11/29/88	SE	<	0.00500	UG/ML	0.0000
fl-3	03/08/89	SE	<	0.00500	UG/ML	0.0000
fl-3	05/23/89	SE	<	0.00500	UG/ML	0.0000
fl-3	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-3	11/29/88	SI		2.80000	MG/L	0.0000
fl-3	03/08/89	SI		3.60000	MG/L	0.0000
fl-3	05/23/89	SI		2.90000	MG/L	0.0000
fl-3	11/29/88	SN	<	0.05000	MG/L	0.0000
fl-3	03/08/89	SN	<	0.05000	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-3	05/23/89	SN	<	0.05000	MG/L	0.0000
fl-3	11/29/88	SR		0.00800	MG/L	0.0000
fl-3	05/23/89	SR	<	0.00500	MG/L	0.0000
fl-3	11/29/88	SULFATE	<	5.00000	MG/L	0.0000
fl-3	03/08/89	SULFATE	<	5.00000	MG/L	0.0000
fl-3	05/23/89	SULFATE	<	5.00000	MG/L	0.0000
fl-3	11/29/88	TI	<	0.02000	MG/L	0.0000
fl-3	03/08/89	TI		0.03100	MG/L	0.0000
fl-3	05/23/89	TI	<	0.02000	MG/L	0.0000
fl-3	11/29/88	TOC		1.80000	UG/ML	0.0000
fl-3	03/08/89	TOC		0.60000	UG/ML	0.0000
fl-3	05/23/89	TOC		1.00000	UG/ML	0.0000
fl-3	08/28/89	TOC		1.60000	UG/ML	0.0000
fl-3	11/29/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-3	03/08/89	TOTAL URANIUM		0.00300	MG/L	0.0000
fl-3	05/23/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
fl-3	11/29/88	TOX	<	5.00000	UG/L	0.0000
fl-3	03/08/89	TOX		140.00000	UG/L	0.0000
fl-3	05/23/89	TOX		6.00000	UG/L	0.0000
fl-3	11/29/88	TRITIUM		45.00000	BQ/L	44.0000
fl-3	03/08/89	TRITIUM		13.00000	BQ/L	31.0000
fl-3	05/23/89	TRITIUM		14.00000	BQ/L	31.0000
fl-3	08/28/89	TRITIUM		44.00000	BQ/L	30.0000
fl-3	11/29/88	V	<	0.00400	MG/L	0.0000
fl-3	03/08/89	V		0.01400	MG/L	0.0000
fl-3	05/23/89	V	<	0.00400	MG/L	0.0000
fl-3	11/29/88	ZN	<	0.00800	MG/L	0.0000
fl-3	03/08/89	ZN		0.01300	MG/L	0.0000
fl-3	05/23/89	ZN		0.02200	MG/L	0.0000
fl-3	11/29/88	ZR	<	0.02000	MG/L	0.0000
fl-3	03/08/89	ZR	<	0.02000	MG/L	0.0000
fl-3	05/23/89	ZR	<	0.02000	MG/L	0.0000
fl-4	11/29/88	AG	<	0.00500	MG/L	0.0000
fl-4	03/08/89	AG	<	0.00500	MG/L	0.0000
fl-4	05/24/89	AG	<	0.00500	MG/L	0.0000
fl-4	11/29/88	AL	<	0.05000	MG/L	0.0000
fl-4	03/08/89	AL		0.18000	MG/L	0.0000
fl-4	05/24/89	AL		0.19000	MG/L	0.0000
fl-4	11/29/88	ALKALINITY		12.00000	MG CACO3/L	0.0000
fl-4	03/08/89	ALKALINITY		20.50000	MG CACO3/L	0.0000
fl-4	05/24/89	ALKALINITY		23.50000	MG CACO3/L	0.0000
fl-4	11/29/88	AS	<	0.01000	UG/ML	0.0000
fl-4	03/08/89	AS	<	0.01000	UG/ML	0.0000
fl-4	05/24/89	AS	<	0.01000	UG/ML	0.0000
fl-4	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-4	11/29/88	B	<	0.08000	MG/L	0.0000
fl-4	03/08/89	B	<	0.08000	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-4	05/24/89	B	<	0.08000	MG/L	0.0000
fl-4	11/29/88	BA		0.06900	MG/L	0.0000
fl-4	03/08/89	BA		0.04000	MG/L	0.0000
fl-4	05/24/89	BA		0.03000	MG/L	0.0000
fl-4	11/29/88	BE	<	0.00030	MG/L	0.0000
fl-4	03/08/89	BE	<	0.00030	MG/L	0.0000
fl-4	05/24/89	BE	<	0.00040	MG/L	0.0000
fl-4	11/29/88	CA		4.50000	MG/L	0.0000
fl-4	03/08/89	CA		5.50000	MG/L	0.0000
fl-4	05/24/89	CA		5.70000	MG/L	0.0000
fl-4	11/29/88	CD	<	0.00200	MG/L	0.0000
fl-4	03/08/89	CD	<	0.00200	MG/L	0.0000
fl-4	05/24/89	CD	<	0.00200	MG/L	0.0000
fl-4	11/29/88	CHLORIDE		7.40000	MG/L	0.0000
fl-4	03/08/89	CHLORIDE		3.40000	MG/L	0.0000
fl-4	05/24/89	CHLORIDE		4.60000	MG/L	0.0000
fl-4	11/29/88	CO	<	0.00300	MG/L	0.0000
fl-4	03/08/89	CO	<	0.00300	MG/L	0.0000
fl-4	05/24/89	CO		0.00360	MG/L	0.0000
fl-4	11/29/88	CR	<	0.00500	MG/L	0.0000
fl-4	03/08/89	CR	<	0.00500	MG/L	0.0000
fl-4	05/24/89	CR	<	0.00300	MG/L	0.0000
fl-4	11/29/88	CU	<	0.01000	MG/L	0.0000
fl-4	03/08/89	CU	<	0.01000	MG/L	0.0000
fl-4	05/24/89	CU	<	0.01000	MG/L	0.0000
fl-4	11/29/88	FE		0.01400	MG/L	0.0000
fl-4	03/08/89	FE		0.05300	MG/L	0.0000
fl-4	05/24/89	FE		0.09100	MG/L	0.0000
fl-4	11/29/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-4	03/08/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-4	05/24/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-4	11/29/88	G-ALPHA		0.00000	BQ/L	0.0200
fl-4	03/08/89	G-ALPHA		0.05000	BQ/L	0.1000
fl-4	05/24/89	G-ALPHA		-0.07000	BQ/L	0.0470
fl-4	08/28/89	G-ALPHA		-0.17000	BQ/L	0.3900
fl-4	11/29/88	G-BETA		0.05000	BQ/L	0.0400
fl-4	03/08/89	G-BETA		-0.15000	BQ/L	0.1700
fl-4	05/24/89	G-BETA		-1.20000	BQ/L	1.6000
fl-4	08/28/89	G-BETA		-1.80000	BQ/L	1.8000
fl-4	11/29/88	GA	<	0.30000	MG/L	0.0000
fl-4	05/24/89	GA	<	0.30000	MG/L	0.0000
fl-4	11/29/88	HG	<	0.00010	UG/ML	0.0000
fl-4	03/08/89	HG	<	0.00010	UG/ML	0.0000
fl-4	05/24/89	HG	<	0.00010	UG/ML	0.0000
fl-4	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-4	11/29/88	LI	<	0.20000	MG/L	0.0000
fl-4	03/08/89	LI	<	0.20000	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-4	11/29/88	MG		1.90000	MG/L	0.0000
fl-4	03/08/89	MG		2.70000	MG/L	0.0000
fl-4	05/24/89	MG		2.60000	MG/L	0.0000
fl-4	11/29/88	MN	<	0.00200	MG/L	0.0000
fl-4	03/08/89	MN	<	0.00200	MG/L	0.0000
fl-4	05/24/89	MN		0.03800	MG/L	0.0000
fl-4	11/29/88	MO	<	0.04000	MG/L	0.0000
fl-4	03/08/89	MO	<	0.04000	MG/L	0.0000
fl-4	05/24/89	MO	<	0.04000	MG/L	0.0000
fl-4	11/29/88	NA		2.70000	MG/L	0.0000
fl-4	03/08/89	NA		1.20000	MG/L	0.0000
fl-4	05/24/89	NA	<	2.00000	MG/L	0.0000
fl-4	11/29/88	NI	<	0.00500	MG/L	0.0000
fl-4	03/08/89	NI	<	0.00500	MG/L	0.0000
fl-4	05/24/89	NI	<	0.00600	MG/L	0.0000
fl-4	11/29/88	NITRATE	<	5.00000	MG/L	0.0000
fl-4	03/08/89	NITRATE	<	5.00000	MG/L	0.0000
fl-4	05/24/89	NITRATE	<	5.00000	MG/L	0.0000
fl-4	11/29/88	P	<	0.30000	MG/L	0.0000
fl-4	03/08/89	P	<	0.30000	MG/L	0.0000
fl-4	05/24/89	P	<	0.30000	MG/L	0.0000
fl-4	11/29/88	PB	<	0.05000	MG/L	0.0000
fl-4	03/08/89	PB	<	0.05000	MG/L	0.0000
fl-4	05/24/89	PB	<	0.03000	MG/L	0.0000
fl-4	11/29/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-4	03/08/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-4	05/24/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-4	11/29/88	SB	<	0.03000	MG/L	0.0000
fl-4	03/08/89	SB	<	0.03000	MG/L	0.0000
fl-4	05/24/89	SB	<	0.04000	MG/L	0.0000
fl-4	11/29/88	SE	<	0.00500	UG/ML	0.0000
fl-4	03/08/89	SE	<	0.00500	UG/ML	0.0000
fl-4	05/24/89	SE	<	0.00500	UG/ML	0.0000
fl-4	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-4	11/29/88	SI		2.70000	MG/L	0.0000
fl-4	03/08/89	SI		3.50000	MG/L	0.0000
fl-4	05/24/89	SI		2.80000	MG/L	0.0000
fl-4	11/29/88	SN	<	0.05000	MG/L	0.0000
fl-4	03/08/89	SN	<	0.05000	MG/L	0.0000
fl-4	05/24/89	SN	<	0.05000	MG/L	0.0000
fl-4	11/29/88	SR		0.00870	MG/L	0.0000
fl-4	05/24/89	SR	<	0.00500	MG/L	0.0000
fl-4	11/29/88	SULFATE	<	5.00000	MG/L	0.0000
fl-4	03/08/89	SULFATE	<	5.00000	MG/L	0.0000
fl-4	05/24/89	SULFATE	<	5.00000	MG/L	0.0000
fl-4	11/29/88	TI	<	0.02000	MG/L	0.0000
fl-4	03/08/89	TI		0.02900	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-4	05/24/89	TI	<	0.02000	MG/L	0.0000
fl-4	11/29/88	TOC		1.80000	UG/ML	0.0000
fl-4	03/08/89	TOC		0.70000	UG/ML	0.0000
fl-4	05/24/89	TOC	<	0.50000	UG/ML	0.0000
fl-4	08/28/89	TOC		1.20000	UG/ML	0.0000
fl-4	11/29/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-4	03/08/89	TOTAL URANIUM		0.00300	MG/L	0.0000
fl-4	05/24/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
fl-4	11/29/88	TOX	<	5.00000	UG/L	0.0000
fl-4	03/08/89	TOX		57.00000	UG/L	0.0000
fl-4	05/24/89	TOX	<	5.00000	UG/L	0.0000
fl-4	11/29/88	TRITIUM		38.00000	BQ/L	44.0000
fl-4	03/08/89	TRITIUM		16.00000	BQ/L	31.0000
fl-4	05/24/89	TRITIUM		35.00000	BQ/L	32.0000
fl-4	08/28/89	TRITIUM		410.00000	BQ/L	40.0000
fl-4	11/29/88	V	<	0.00400	MG/L	0.0000
fl-4	03/08/89	V		0.01300	MG/L	0.0000
fl-4	05/24/89	V	<	0.00400	MG/L	0.0000
fl-4	11/29/88	ZN	<	0.00800	MG/L	0.0000
fl-4	03/08/89	ZN		0.00990	MG/L	0.0000
fl-4	05/24/89	ZN		0.02300	MG/L	0.0000
fl-4	11/29/88	ZR	<	0.02000	MG/L	0.0000
fl-4	03/08/89	ZR	<	0.02000	MG/L	0.0000
fl-4	05/24/89	ZR	<	0.02000	MG/L	0.0000
fl-7	11/30/88	AG	<	0.00500	MG/L	0.0000
fl-7	03/09/89	AG	<	0.00600	MG/L	0.0000
fl-7	05/24/89	AG	<	0.00500	MG/L	0.0000
fl-7	11/30/88	AL		0.12000	MG/L	0.0000
fl-7	03/09/89	AL	<	0.02000	MG/L	0.0000
fl-7	05/24/89	AL		0.15000	MG/L	0.0000
fl-7	11/30/88	ALKALINITY		110.00000	MG CACO3/L	0.0000
fl-7	03/09/89	ALKALINITY		73.50000	MG CACO3/L	0.0000
fl-7	05/24/89	ALKALINITY		125.00000	MG CACO3/L	0.0000
fl-7	11/30/88	AS	<	0.01000	UG/ML	0.0000
fl-7	03/09/89	AS	<	0.01000	UG/ML	0.0000
fl-7	05/24/89	AS	<	0.01000	UG/ML	0.0000
fl-7	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-7	11/30/88	B	<	0.08000	MG/L	0.0000
fl-7	03/09/89	B	<	0.00400	MG/L	0.0000
fl-7	05/24/89	B	<	0.08000	MG/L	0.0000
fl-7	11/30/88	BA		0.03900	MG/L	0.0000
fl-7	03/09/89	BA		0.01500	MG/L	0.0000
fl-7	05/24/89	BA		0.03200	MG/L	0.0000
fl-7	11/30/88	BE		0.00040	MG/L	0.0000
fl-7	03/09/89	BE	<	0.00030	MG/L	0.0000
fl-7	05/24/89	BE	<	0.00040	MG/L	0.0000
fl-7	11/30/88	CA		24.00000	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-7	03/09/89	CA		13.60000	MG/L	0.0000
fl-7	05/24/89	CA		24.00000	MG/L	0.0000
fl-7	11/30/88	CD	<	0.00200	MG/L	0.0000
fl-7	03/09/89	CD	<	0.00300	MG/L	0.0000
fl-7	05/24/89	CD	<	0.00200	MG/L	0.0000
fl-7	11/30/88	CHLORIDE		1.00000	MG/L	0.0000
fl-7	03/09/89	CHLORIDE		1.10000	MG/L	0.0000
fl-7	05/24/89	CHLORIDE		1.00000	MG/L	0.0000
fl-7	11/30/88	CO	<	0.00300	MG/L	0.0000
fl-7	03/09/89	CO	<	0.00500	MG/L	0.0000
fl-7	05/24/89	CO	<	0.00300	MG/L	0.0000
fl-7	11/30/88	CR	<	0.00500	MG/L	0.0000
fl-7	03/09/89	CR	<	0.01000	MG/L	0.0000
fl-7	05/24/89	CR		0.00930	MG/L	0.0000
fl-7	11/30/88	CU	<	0.01000	MG/L	0.0000
fl-7	03/09/89	CU	<	0.00400	MG/L	0.0000
fl-7	05/24/89	CU	<	0.01000	MG/L	0.0000
fl-7	11/30/88	FE	<	0.01000	MG/L	0.0000
fl-7	03/09/89	FE		0.01600	MG/L	0.0000
fl-7	05/24/89	FE		0.05400	MG/L	0.0000
fl-7	11/30/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-7	03/09/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-7	05/24/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-7	11/30/88	G-ALPHA		0.03000	BQ/L	0.0500
fl-7	03/09/89	G-ALPHA		0.08300	BQ/L	0.0700
fl-7	05/24/89	G-ALPHA		0.21000	BQ/L	0.3900
fl-7	08/28/89	G-ALPHA		0.03000	BQ/L	0.5200
fl-7	11/30/88	G-BETA		0.06000	BQ/L	0.0400
fl-7	03/09/89	G-BETA		0.07000	BQ/L	0.1300
fl-7	05/24/89	G-BETA		0.50000	BQ/L	2.3000
fl-7	08/28/89	G-BETA		-1.00000	BQ/L	2.1000
fl-7	11/30/88	GA	<	0.30000	MG/L	0.0000
fl-7	05/24/89	GA	<	0.30000	MG/L	0.0000
fl-7	11/30/88	HG	<	0.00010	UG/ML	0.0000
fl-7	03/09/89	HG	<	0.00010	UG/ML	0.0000
fl-7	05/24/89	HG	<	0.00010	UG/ML	0.0000
fl-7	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-7	11/30/88	LI	<	0.20000	MG/L	0.0000
fl-7	03/09/89	LI	<	0.00400	MG/L	0.0000
fl-7	11/30/88	MG		14.00000	MG/L	0.0000
fl-7	03/09/89	MG		8.20000	MG/L	0.0000
fl-7	05/24/89	MG		12.00000	MG/L	0.0000
fl-7	11/30/88	MN		0.00220	MG/L	0.0000
fl-7	03/09/89	MN	<	0.00100	MG/L	0.0000
fl-7	05/24/89	MN		0.03600	MG/L	0.0000
fl-7	11/30/88	MO	<	0.04000	MG/L	0.0000
fl-7	03/09/89	MO	<	0.01000	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-7	05/24/89	MO	<	0.04000	MG/L	0.0000
fl-7	11/30/88	NA		0.40000	MG/L	0.0000
fl-7	03/09/89	NA		0.48000	MG/L	0.0000
fl-7	05/24/89	NA	<	2.00000	MG/L	0.0000
fl-7	11/30/88	NI	<	0.00500	MG/L	0.0000
fl-7	03/09/89	NI	<	0.01000	MG/L	0.0000
fl-7	05/24/89	NI	<	0.00600	MG/L	0.0000
fl-7	11/30/88	NITRATE	<	5.00000	MG/L	0.0000
fl-7	03/09/89	NITRATE	<	5.00000	MG/L	0.0000
fl-7	05/24/89	NITRATE	<	5.00000	MG/L	0.0000
fl-7	11/30/88	P	<	0.30000	MG/L	0.0000
fl-7	03/09/89	P	<	0.20000	MG/L	0.0000
fl-7	05/24/89	P	<	0.30000	MG/L	0.0000
fl-7	11/30/88	PB	<	0.05000	MG/L	0.0000
fl-7	03/09/89	PB	<	0.05000	MG/L	0.0000
fl-7	05/24/89	PB	<	0.03000	MG/L	0.0000
fl-7	11/30/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-7	03/09/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-7	05/24/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-7	11/30/88	SB	<	0.03000	MG/L	0.0000
fl-7	03/09/89	SB	<	0.03000	MG/L	0.0000
fl-7	05/24/89	SB	<	0.04000	MG/L	0.0000
fl-7	11/30/88	SE	<	0.00500	UG/ML	0.0000
fl-7	03/09/89	SE	<	0.00500	UG/ML	0.0000
fl-7	05/24/89	SE	<	0.00500	UG/ML	0.0000
fl-7	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-7	11/30/88	SI		3.40000	MG/L	0.0000
fl-7	03/09/89	SI		3.20000	MG/L	0.0000
fl-7	05/24/89	SI		3.20000	MG/L	0.0000
fl-7	11/30/88	SN	<	0.05000	MG/L	0.0000
fl-7	05/24/89	SN	<	0.05000	MG/L	0.0000
fl-7	11/30/88	SR		0.01100	MG/L	0.0000
fl-7	03/09/89	SR		0.00100	MG/L	0.0000
fl-7	05/24/89	SR	<	0.00500	MG/L	0.0000
fl-7	11/30/88	SULFATE	<	5.00000	MG/L	0.0000
fl-7	03/09/89	SULFATE	<	5.00000	MG/L	0.0000
fl-7	05/24/89	SULFATE	<	5.00000	MG/L	0.0000
fl-7	11/30/88	TI	<	0.02000	MG/L	0.0000
fl-7	03/09/89	TI	<	0.00300	MG/L	0.0000
fl-7	05/24/89	TI	<	0.02000	MG/L	0.0000
fl-7	11/30/88	TOC		1.10000	UG/ML	0.0000
fl-7	03/09/89	TOC	<	0.50000	UG/ML	0.0000
fl-7	05/24/89	TOC		0.80000	UG/ML	0.0000
fl-7	08/28/89	TOC		1.20000	UG/ML	0.0000
fl-7	11/30/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-7	03/09/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
fl-7	05/24/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-7	11/30/88	TOX	<	5.00000	UG/L	0.0000
fl-7	03/09/89	TOX	<	5.00000	UG/L	0.0000
fl-7	05/24/89	TOX	<	5.00000	UG/L	0.0000
fl-7	11/30/88	TRITIUM		34.00000	BQ/L	44.0000
fl-7	03/09/89	TRITIUM		12.00000	BQ/L	32.0000
fl-7	05/24/89	TRITIUM		-4.00000	BQ/L	30.0000
fl-7	08/28/89	TRITIUM		26.00000	BQ/L	29.0000
fl-7	11/30/88	V		0.01100	MG/L	0.0000
fl-7	03/09/89	V	<	0.00400	MG/L	0.0000
fl-7	05/24/89	V	<	0.00400	MG/L	0.0000
fl-7	11/30/88	ZN	<	0.00800	MG/L	0.0000
fl-7	03/09/89	ZN		0.00700	MG/L	0.0000
fl-7	05/24/89	ZN		0.02500	MG/L	0.0000
fl-7	11/30/88	ZR	<	0.02000	MG/L	0.0000
fl-7	03/09/89	ZR	<	0.00500	MG/L	0.0000
fl-7	05/24/89	ZR	<	0.02000	MG/L	0.0000
fl-8	11/30/88	AG	<	0.00500	MG/L	0.0000
fl-8	03/07/89	AG	<	0.00500	MG/L	0.0000
fl-8	05/24/89	AG	<	0.00500	MG/L	0.0000
fl-8	11/30/88	AL		0.11000	MG/L	0.0000
fl-8	03/07/89	AL		0.08900	MG/L	0.0000
fl-8	05/24/89	AL		0.18000	MG/L	0.0000
fl-8	11/30/88	ALKALINITY		12.50000	MG CACO3/L	0.0000
fl-8	03/07/89	ALKALINITY		1.20000	MG CACO3/L	0.0000
fl-8	05/24/89	ALKALINITY		17.20000	MG CACO3/L	0.0000
fl-8	11/30/88	AS	<	0.01000	UG/ML	0.0000
fl-8	03/07/89	AS	<	0.01000	UG/ML	0.0000
fl-8	05/24/89	AS	<	0.01000	UG/ML	0.0000
fl-8	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-8	11/30/88	B	<	0.08000	MG/L	0.0000
fl-8	03/07/89	B	<	0.08000	MG/L	0.0000
fl-8	05/24/89	B	<	0.08000	MG/L	0.0000
fl-8	11/30/88	BA		0.01500	MG/L	0.0000
fl-8	03/07/89	BA		0.01800	MG/L	0.0000
fl-8	05/24/89	BA		0.07900	MG/L	0.0000
fl-8	11/30/88	BE	<	0.00030	MG/L	0.0000
fl-8	03/07/89	BE	<	0.00030	MG/L	0.0000
fl-8	05/24/89	BE	<	0.00040	MG/L	0.0000
fl-8	11/30/88	CA		3.50000	MG/L	0.0000
fl-8	03/07/89	CA		1.50000	MG/L	0.0000
fl-8	05/24/89	CA		3.80000	MG/L	0.0000
fl-8	11/30/88	CD	<	0.00200	MG/L	0.0000
fl-8	03/07/89	CD	<	0.00200	MG/L	0.0000
fl-8	05/24/89	CD	<	0.00200	MG/L	0.0000
fl-8	11/30/88	CHLORIDE		1.20000	MG/L	0.0000
fl-8	03/07/89	CHLORIDE		1.00000	MG/L	0.0000
fl-8	05/24/89	CHLORIDE		1.00000	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-8	11/30/88	CO	<	0.00300	MG/L	0.0000
fl-8	03/07/89	CO	<	0.00300	MG/L	0.0000
fl-8	05/24/89	CO		0.00430	MG/L	0.0000
fl-8	11/30/88	CR	<	0.00500	MG/L	0.0000
fl-8	03/07/89	CR	<	0.00500	MG/L	0.0000
fl-8	05/24/89	CR		0.00640	MG/L	0.0000
fl-8	11/30/88	CU	<	0.01000	MG/L	0.0000
fl-8	03/07/89	CU	<	0.01000	MG/L	0.0000
fl-8	05/24/89	CU	<	0.01000	MG/L	0.0000
fl-8	11/30/88	FE		0.08300	MG/L	0.0000
fl-8	03/07/89	FE		0.04200	MG/L	0.0000
fl-8	05/24/89	FE		0.18000	MG/L	0.0000
fl-8	11/30/88	FLUORIDE	<	1.00000	MG/L	0.0000
fl-8	03/07/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-8	05/24/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-8	11/30/88	G-ALPHA		0.03000	BQ/L	0.0400
fl-8	03/07/89	G-ALPHA		0.09000	BQ/L	0.1200
fl-8	05/24/89	G-ALPHA		0.21000	BQ/L	0.3900
fl-8	08/28/89	G-ALPHA		0.20000	BQ/L	0.8200
fl-8	11/30/88	G-BETA		0.09000	BQ/L	0.0600
fl-8	03/07/89	G-BETA		-0.01000	BQ/L	0.1600
fl-8	05/24/89	G-BETA		1.20000	BQ/L	2.0000
fl-8	08/28/89	G-BETA		1.20000	BQ/L	2.4000
fl-8	11/30/88	GA	<	0.30000	MG/L	0.0000
fl-8	05/24/89	GA	<	0.30000	MG/L	0.0000
fl-8	11/30/88	HG	<	0.00010	UG/ML	0.0000
fl-8	03/07/89	HG	<	0.00010	UG/ML	0.0000
fl-8	05/24/89	HG	<	0.00010	UG/ML	0.0000
fl-8	08/28/89	HG	<	0.00010	UG/ML	0.0000
fl-8	11/30/88	LI	<	0.20000	MG/L	0.0000
fl-8	03/07/89	LI	<	0.20000	MG/L	0.0000
fl-8	11/30/88	MG		2.10000	MG/L	0.0000
fl-8	03/07/89	MG		0.98000	MG/L	0.0000
fl-8	05/24/89	MG		2.30000	MG/L	0.0000
fl-8	11/30/88	MN		0.00220	MG/L	0.0000
fl-8	03/07/89	MN	<	0.00200	MG/L	0.0000
fl-8	05/24/89	MN		0.04100	MG/L	0.0000
fl-8	11/30/88	MO	<	0.04000	MG/L	0.0000
fl-8	03/07/89	MO	<	0.04000	MG/L	0.0000
fl-8	05/24/89	MO	<	0.04000	MG/L	0.0000
fl-8	11/30/88	NA		0.31000	MG/L	0.0000
fl-8	03/07/89	NA		0.39000	MG/L	0.0000
fl-8	05/24/89	NA	<	2.00000	MG/L	0.0000
fl-8	11/30/88	NI		0.01100	MG/L	0.0000
fl-8	03/07/89	NI	<	0.00500	MG/L	0.0000
fl-8	05/24/89	NI		0.00700	MG/L	0.0000
fl-8	11/30/88	NITRATE	<	5.00000	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-8	03/07/89	NITRATE	<	5.00000	MG/L	0.0000
fl-8	05/24/89	NITRATE	<	5.00000	MG/L	0.0000
fl-8	11/30/88	P	<	0.30000	MG/L	0.0000
fl-8	03/07/89	P	<	0.30000	MG/L	0.0000
fl-8	05/24/89	P	<	0.30000	MG/L	0.0000
fl-8	11/30/88	PB	<	0.05000	MG/L	0.0000
fl-8	03/07/89	PB	<	0.05000	MG/L	0.0000
fl-8	05/24/89	PB	<	0.03000	MG/L	0.0000
fl-8	11/30/88	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-8	03/07/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-8	05/24/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-8	11/30/88	SB	<	0.03000	MG/L	0.0000
fl-8	03/07/89	SB	<	0.03000	MG/L	0.0000
fl-8	05/24/89	SB	<	0.04000	MG/L	0.0000
fl-8	11/30/88	SE	<	0.00500	UG/ML	0.0000
fl-8	03/07/89	SE	<	0.00500	UG/ML	0.0000
fl-8	05/24/89	SE	<	0.00500	UG/ML	0.0000
fl-8	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-8	11/30/88	SI		2.90000	MG/L	0.0000
fl-8	03/07/89	SI		3.40000	MG/L	0.0000
fl-8	05/24/89	SI		3.00000	MG/L	0.0000
fl-8	11/30/88	SN	<	0.05000	MG/L	0.0000
fl-8	03/07/89	SN	<	0.05000	MG/L	0.0000
fl-8	05/24/89	SN	<	0.05000	MG/L	0.0000
fl-8	11/30/88	SR		0.00680	MG/L	0.0000
fl-8	05/24/89	SR	<	0.00500	MG/L	0.0000
fl-8	11/30/88	SULFATE	<	5.00000	MG/L	0.0000
fl-8	03/07/89	SULFATE	<	5.00000	MG/L	0.0000
fl-8	05/24/89	SULFATE	<	5.00000	MG/L	0.0000
fl-8	11/30/88	TI	<	0.02000	MG/L	0.0000
fl-8	03/07/89	TI		0.02500	MG/L	0.0000
fl-8	05/24/89	TI	<	0.02000	MG/L	0.0000
fl-8	11/30/88	TOC		2.10000	UG/ML	0.0000
fl-8	03/07/89	TOC	<	0.50000	UG/ML	0.0000
fl-8	05/24/89	TOC		1.00000	UG/ML	0.0000
fl-8	08/28/89	TOC		2.00000	UG/ML	0.0000
fl-8	11/30/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-8	03/07/89	TOTAL URANIUM		0.00300	MG/L	0.0000
fl-8	05/24/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
fl-8	11/30/88	TOX	<	5.00000	UG/L	0.0000
fl-8	03/07/89	TOX	<	5.00000	UG/L	0.0000
fl-8	05/24/89	TOX	<	5.00000	UG/L	0.0000
fl-8	11/30/88	TRITIUM		58.00000	BQ/L	45.0000
fl-8	03/07/89	TRITIUM		12.00000	BQ/L	31.0000
fl-8	05/24/89	TRITIUM		22.00000	BQ/L	31.0000
fl-8	08/28/89	TRITIUM		21.00000	BQ/L	30.0000
fl-8	11/30/88	V	<	0.00400	MG/L	0.0000

Table 4.13 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-8	03/07/89	V		0.01300	MG/L	0.0000
fl-8	05/24/89	V	<	0.00400	MG/L	0.0000
fl-8	11/30/88	ZN		0.02300	MG/L	0.0000
fl-8	03/07/89	ZN		0.01100	MG/L	0.0000
fl-8	05/24/89	ZN		0.02600	MG/L	0.0000
fl-8	11/30/88	ZR	<	0.02000	MG/L	0.0000
fl-8	03/07/89	ZR	<	0.02000	MG/L	0.0000
fl-8	05/24/89	ZR	<	0.02000	MG/L	0.0000

*Explanation of data qualifiers (QL): "U" indicates compound was analyzed for but not detected. "J" indicates that the quantitative value is estimated. "B" appears for a compound that was detected in both the sample and its associated blank. "E" indicates that the reported concentration of the compound exceeded the calibration range of the instrument.

**The uncertainty value was determined only for the radiological parameters and is a measure of decay counting statistics for the analyses.

5. EAST CHESTNUT RIDGE

The LLWDDD East Chestnut Ridge site is located on the eastern end of the Oak Ridge reservation (Fig. 1.1). The site consists of about 175 acres. The wells included in the data collection for the East Chestnut Ridge site are listed in Table 1.3. Plate 1, which is located in a pocket at the end of this report, shows corehole and well locations for East Chestnut Ridge. No precipitation data collection is performed at this site. Two sites were selected for measurement of surface water discharge volume (Table 1.5). Sample collection for chemical analysis began in the fourth quarter of FY89.

Water-elevation data for the East Chestnut Ridge site for selected wells are provided in Table 5.1. Statistical data on these water elevations, including maximum, minimum, and average values and the observed fluctuation range, are included in Table 5.2. Field sampling data are presented in Table 5.3, and average surface water discharge data are in Table 5.4. Table 5.5 reports the results of the chemical analysis of the water samples taken during the last quarter of FY89.

Table 5.1. Water elevation in wells for East Chestnut Ridge site, FY89* (quarters 3 and 4) (feet above sea level)

Well ID	May 4 1989	May 18 1989	Jun 2 1989	Jun 26 1989	Jul 11 1989	Aug 4 1989	Sep 18 1989
gw1130	0.00	0.00	0.00	0.00	0.00	943.66	943.23
gw1131	0.00	0.00	0.00	0.00	0.00	963.05	960.87
gw1132	0.00	0.00	0.00	0.00	0.00	977.80	968.17
gw1133	0.00	0.00	0.00	0.00	0.00	1040.23	0.00
gw1134	0.00	0.00	0.00	0.00	0.00	999.82	1000.11
gw551	953.76	952.91	950.41	970.64	973.28	959.48	943.38
gw552	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw553	950.49	949.13	948.03	957.86	959.18	952.57	945.72
gw554	899.55	900.72	900.30	906.14	907.73	905.13	901.70
gw555	925.19	925.78	925.53	928.76	929.87	929.65	927.53
gw556	983.67	983.82	982.37	0.00	0.00	0.00	979.73
gw557	969.11	969.07	968.69	972.23	973.60	973.32	970.55
gw558	937.18	937.17	936.56	940.19	941.29	940.31	936.92
gw559	969.33	968.81	969.10	972.38	972.60	971.03	968.37
gw560	909.80	911.22	910.62	917.06	918.43	914.99	911.54
gw561	961.62	962.65	958.99	981.45	982.35	972.48	946.94
gw562	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw563	868.42	869.75	870.38	871.76	871.92	871.38	867.88
gw564	928.33	928.61	928.48	930.57	931.47	931.26	929.34
gw565	975.96	976.22	975.41	978.68	978.89	977.18	974.63
gw566	949.33	949.52	948.81	954.87	955.64	952.38	948.01
gw567	965.50	965.84	965.30	0.00	0.00	0.00	965.50
gw568	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw569	0.00	0.00	0.00	941.61	942.13	936.77	0.00
gw570	0.00	0.00	945.33	955.36	953.67	950.95	937.51
gw571	0.00	0.00	1018.49	1024.37	1023.59	1019.01	1009.30
gw572	0.00	0.00	1010.68	1010.63	1010.61	1010.60	1010.59
gw573	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw573d	0.00	939.30	904.96	0.00	0.00	975.83	970.49
gw574	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw575	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw576	0.00	0.00	910.30	916.62	917.98	914.61	911.39
gw577	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw578	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw579	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gw580	0.00	0.00	969.35	980.88	981.47	981.46	0.00

*Comments: If the water elevation is listed as zero (0.00), then either the well was dry or no data were collected on this date.

Table 5.2. Statistical water-elevation data
by well ID for East Chestnut Ridge site
May - September 1989
(feet mean sea level)

Well ID	Maximum	Minimum	Fluctuation (feet)	Average
gw1130	943.66	943.23	0.43	943.45
gw1131	963.05	960.87	2.18	961.96
gw1132	977.80	968.17	9.63	972.99
gw1133	1040.23	1040.23	0.00	1040.23
gw1134	1000.11	999.82	0.29	999.97
gw551	973.28	943.38	29.90	957.69
gw552	0.00	0.00	0.00	0.00
gw553	959.18	945.72	13.46	951.85
gw554	907.73	899.55	8.18	903.04
gw555	929.87	925.19	4.68	927.47
gw556	983.82	979.73	4.09	982.40
gw557	973.60	968.69	4.91	970.94
gw558	941.29	936.56	4.73	938.52
gw559	972.60	968.37	4.23	970.23
gw560	918.43	909.80	8.63	913.38
gw561	982.35	946.94	35.41	966.64
gw562	0.00	0.00	0.00	0.00
gw563	871.92	867.88	4.04	870.21
gw564	931.47	928.33	3.14	929.72
gw565	978.89	974.63	4.26	976.71
gw566	955.64	948.01	7.63	951.22
gw567	965.84	965.30	0.54	965.54
gw568	0.00	0.00	0.00	0.00
gw569	942.13	936.77	5.36	940.17
gw570	955.36	937.51	17.85	948.56
gw571	1024.37	1009.30	15.07	1018.95
gw572	1010.68	1010.59	0.09	1010.62
gw573	0.00	0.00	0.00	0.00
gw573d	939.30	904.96	34.34	922.13
gw573s	975.83	970.49	5.34	973.16
gw574	0.00	0.00	0.00	0.00
gw575	0.00	0.00	0.00	0.00
gw576	917.98	910.30	7.68	914.18
gw577	0.00	0.00	0.00	0.00
gw578	0.00	0.00	0.00	0.00
gw579	0.00	0.00	0.00	0.00
gw580	981.47	969.35	12.12	978.29

*Comments: If the water elevation is listed as zero (0.00), then no data were collected during any sample collections. Data are compiled from seven different collection dates.

Table 5.3. Water quality field data: East Chestnut Ridge selected sampling sites, FY89, quarter 4

Well ID	Date	Cond.	D.O.	pH	Temp.	Turb.
gw1134	09-06-89	0.17	0.40	7.50	15.40	25.00
gw551	09-06-89	0.15	0.60	7.80	18.60	106.00
gw561	09-05-89	0.17	0.50	7.30	17.90	178.00
gw562	09-06-89	0.25	0.20	7.00	20.70	13.00
gw563	09-05-89	0.16	0.04	6.80	16.20	157.00
gw564	09-05-89	0.16	0.50	7.20	17.90	25.00
gw565	09-06-89	0.19	0.40	6.80	17.20	72.00
gw576	09-05-89	0.16	0.50	7.10	16.60	277.00

*Cond. = conductivity in ms/cm; D.O. = dissolved oxygen; Temp. = temperature in degress C; Turb. = turbidity in Jtu.

Table 5.4. Surface water discharge summary
Average daily flows in cfs
East Chestnut Ridge site, May-September 1989
(two collection points)

Date	GS19	GS20
05/01/89	0.0000	0.1400
05/02/89	0.0000	0.1300
05/03/89	0.0000	0.1200
05/04/89	0.0000	0.1200
05/05/89	0.0000	0.3300
05/06/89	0.0000	0.5500
05/07/89	0.0000	0.4500
05/08/89	0.0000	0.3200
05/09/89	0.0000	0.3800
05/10/89	0.0000	0.5900
05/11/89	0.0000	0.5000
05/12/19	0.0000	0.4000
05/13/89	0.0000	0.3200
05/14/89	0.0000	0.2600
05/15/89	0.0000	0.2300
05/16/89	0.0000	0.2100
05/17/89	0.0000	0.1900
05/18/89	0.0000	0.1700
05/19/89	0.0000	0.1600
05/20/89	0.0000	0.2000
05/21/89	0.0000	0.1800
05/22/89	0.0000	0.1600
05/23/89	0.0000	0.1600
05/24/89	0.0000	0.1500
05/25/89	0.0000	0.1300
05/26/89	0.0000	0.1300
05/27/89	0.0000	0.4000
05/28/89	0.0000	0.3400
05/29/89	0.0000	0.2800
05/30/89	0.0000	0.2400
05/31/89	0.0000	0.2100
06/01/89	0.0000	0.1900
06/02/89	0.0000	0.1800
06/03/89	0.0000	0.1700
06/04/89	0.0000	0.1600
06/05/89	0.0000	0.1700
06/06/89	0.0000	0.3500
06/07/89	0.0000	0.6000
06/08/89	0.0000	0.5300
06/09/89	0.8800	2.3000
06/10/89	0.3100	1.8000
06/11/89	0.0000	0.9600
06/12/89	0.0000	0.7400
06/13/89	0.0000	1.1000
06/14/89	0.0000	0.9500

Table 5.4 (continued)

Date	GS19	GS20
06/15/89	0.6100	2.0000
06/16/89	1.4000	3.1000
06/17/89	0.7500	2.4000
06/18/89	0.0300	1.3000
06/19/89	0.0000	0.8500
06/20/89	0.0000	0.9300
06/21/89	0.0000	0.9000
06/22/89	0.0000	0.7200
06/23/89	0.0000	0.6000
06/24/89	0.0000	0.4700
06/25/89	0.0000	0.0000
06/26/89	0.0000	0.0000
06/27/89	0.0000	0.0000
06/28/89	0.3600	0.0000
06/29/89	0.0000	0.7300
06/30/89	0.0000	0.5700
07/01/89	0.0000	0.4300
07/02/89	0.0000	0.3700
07/03/89	0.0000	0.4500
07/04/89	0.0000	0.7000
07/05/89	0.0000	0.6800
07/06/89	0.1900	1.1000
07/07/89	0.2000	1.4000
07/08/89	0.0000	0.9800
07/09/89	0.0000	0.6900
07/10/89	0.0000	0.5300
07/11/89	0.0000	0.5200
07/12/89	0.0000	0.5200
07/13/89	0.0000	0.5200
07/14/89	0.0000	0.5200
07/15/89	0.0000	0.5200
07/16/89	0.0000	0.5200
07/17/89	0.0000	0.5200
07/18/89	0.0000	0.5200
07/19/89	0.0000	0.5600
07/20/89	0.0000	0.6000
07/21/89	0.0000	0.6200
07/22/89	0.0000	0.6400
07/23/89	0.0000	0.6500
07/24/89	0.0000	0.7700
07/25/89	0.0000	0.7700
07/26/89	0.0000	0.7700
07/27/89	0.0000	0.3800
07/28/89	0.0000	0.1400
07/29/89	0.0000	0.1300
07/30/89	0.0000	0.1400
07/31/89	0.0000	0.1300

Table 5.4 (continued)

Date	GS19	GS20
08/01/89	0.0000	2.1000
08/02/89	0.0000	0.5700
08/03/89	0.0000	0.4000
08/04/89	0.0000	0.3000
08/05/89	0.0000	0.2500
08/06/89	0.0000	0.2200
08/07/89	0.0000	0.1900
08/08/89	0.0000	0.1800
08/09/89	0.0000	0.1600
08/10/89	0.0000	0.1400
08/11/89	0.0000	0.1300
08/12/89	0.0000	0.1300
08/13/89	0.0000	0.1200
08/14/89	0.0000	0.1200
08/15/89	0.0000	0.1200
08/16/89	0.0000	0.1200
08/17/89	0.0000	0.1100
08/18/89	0.0000	0.1100
08/19/89	0.0000	0.1100
08/20/89	0.0000	0.1000
08/21/89	0.0000	0.1000
08/22/89	0.0000	0.1000
08/23/89	0.0000	0.1000
08/24/89	0.0000	0.1200
08/25/89	0.0000	0.1100
08/26/89	0.0000	0.1000
08/27/89	0.0000	0.1000
08/28/89	0.0000	0.0900
08/29/89	0.0000	0.0900
08/30/89	0.0000	0.0800
08/31/89	0.0000	0.0800
09/01/89	0.0000	0.1000
09/02/89	0.0000	0.1100
09/03/89	0.0000	0.1000
09/04/89	0.0000	0.0800
09/05/89	0.0000	0.0800
09/06/89	0.0000	0.0700
09/07/89	0.0000	0.0700
09/08/89	0.0000	0.0700
09/09/89	0.0000	0.0700
09/10/89	0.0000	0.0700
09/11/89	0.0000	0.0700
09/12/89	0.0000	0.0700
09/13/89	0.0000	0.0700
09/14/89	0.0000	0.0700
09/15/89	0.0000	0.1100
09/16/89	0.0000	0.1300

Table 5.4 (continued)

Date	GS19	GS20
09/17/89	0.0000	0.1000
09/18/89	0.0000	0.0900
09/19/89	0.0000	0.0900
09/20/89	0.0000	0.0800
09/21/89	0.0000	0.0800
09/22/89	0.0000	0.0000
09/23/89	0.0000	0.3500
09/24/89	0.0000	0.2800
09/25/89	0.0000	0.2300
09/26/89	0.0000	0.5200
09/27/89	0.0000	0.4000
09/28/89	0.0000	0.2800
09/29/89	0.0000	0.2400
09/30/89	0.0000	1.2000

Comments: Missing values are designated by 0.0000.

Table 5.5. Chemical analysis of water samples
East Chestnut Ridge site, FY89

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-103	09/06/89	AG	<	0.00500	MG/L	0.0000
fl-103	09/06/89	AL		0.13000	MG/L	0.0000
fl-103	09/06/89	ALKALINITY		135.00000	MG CACO3/L	0.0000
fl-103	09/06/89	AS	<	0.05000	MG/L	0.0000
fl-103	09/06/89	B	<	0.08000	MG/L	0.0000
fl-103	09/06/89	BA		0.12000	MG/L	0.0000
fl-103	09/06/89	BE	<	0.00050	MG/L	0.0000
fl-103	09/06/89	CA		35.00000	MG/L	0.0000
fl-103	09/06/89	CD	<	0.00200	MG/L	0.0000
fl-103	09/06/89	CHLORIDE		1.60000	MG/L	0.0000
fl-103	09/06/89	CO	<	0.00300	MG/L	0.0000
fl-103	09/06/89	CR		0.01600	MG/L	0.0000
fl-103	09/06/89	CU	<	0.00800	MG/L	0.0000
fl-103	09/06/89	FE		0.10000	MG/L	0.0000
fl-103	09/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-103	09/06/89	G-ALPHA		0.14000	BQ/L	0.5100
fl-103	09/06/89	G-BETA		-0.80000	BQ/L	1.9000
fl-103	09/06/89	HG	<	0.00010	UG/ML	0.0000
fl-103	09/06/89	LI	<	15.00000	MG/L	0.0000
fl-103	09/06/89	MG		14.00000	MG/L	0.0000
fl-103	09/06/89	MN	<	0.00200	MG/L	0.0000
fl-103	09/06/89	MO	<	0.04000	MG/L	0.0000
fl-103	09/06/89	NA	<	2.00000	MG/L	0.0000
fl-103	09/06/89	NI	<	0.00600	MG/L	0.0000
fl-103	09/06/89	NITRATE	<	5.00000	MG/L	0.0000
fl-103	09/06/89	P	<	0.30000	MG/L	0.0000
fl-103	09/06/89	PB	<	0.03000	MG/L	0.0000
fl-103	09/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-103	09/06/89	SB	<	0.04000	MG/L	0.0000
fl-103	09/06/89	SE	<	0.08000	MG/L	0.0000
fl-103	09/06/89	SI		3.50000	MG/L	0.0000
fl-103	09/06/89	SN	<	0.05000	MG/L	0.0000
fl-103	09/06/89	SR		0.05400	MG/L	0.0000
fl-103	09/06/89	SULFATE	<	5.00000	MG/L	0.0000
fl-103	09/06/89	TI	<	0.02000	MG/L	0.0000
fl-103	09/06/89	TOC		1.10000	UG/ML	0.0000
fl-103	09/06/89	TOTAL URANIUM		0.00050	MG/L	0.0000
fl-103	09/06/89	TOX		13.00000	UG/L	0.0000
fl-103	09/06/89	TRITIUM		-66.00000	BQ/L	38.0000
fl-103	09/06/89	V	<	0.00300	MG/L	0.0000
fl-103	09/06/89	ZN		0.01700	MG/L	0.0000
fl-103	09/06/89	ZR	<	0.02000	MG/L	0.0000
gw1134	09/06/89	AG	<	0.00500	MG/L	0.0000
gw1134	09/06/89	AL		0.15000	MG/L	0.0000
gw1134	09/06/89	ALKALINITY		153.00000	MG CACO3/L	0.0000

Table 5.5 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw1134	09/06/89	AS	<	0.05000	MG/L	0.0000
gw1134	09/06/89	B	<	0.08000	MG/L	0.0000
gw1134	09/06/89	BA	<	0.00200	MG/L	0.0000
gw1134	09/06/89	BE	<	0.00050	MG/L	0.0000
gw1134	09/06/89	CA		38.00000	MG/L	0.0000
gw1134	09/06/89	CD	<	0.00200	MG/L	0.0000
gw1134	09/06/89	CHLORIDE		1.50000	MG/L	0.0000
gw1134	09/06/89	CO	<	0.00300	MG/L	0.0000
gw1134	09/06/89	CR		0.02700	MG/L	0.0000
gw1134	09/06/89	CU	<	0.00800	MG/L	0.0000
gw1134	09/06/89	FE		0.06500	MG/L	0.0000
gw1134	09/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw1134	09/06/89	G-ALPHA		0.07000	BQ/L	0.7000
gw1134	09/06/89	G-BETA		0.40000	BQ/L	2.2000
gw1134	09/06/89	HG	<	0.00010	UG/ML	0.0000
gw1134	09/06/89	LI	<	15.00000	MG/L	0.0000
gw1134	09/06/89	MG		19.00000	MG/L	0.0000
gw1134	09/06/89	MN	<	0.00200	MG/L	0.0000
gw1134	09/06/89	MO	<	0.04000	MG/L	0.0000
gw1134	09/06/89	NA	<	2.00000	MG/L	0.0000
gw1134	09/06/89	NI	<	0.00600	MG/L	0.0000
gw1134	09/06/89	NITRATE	<	5.00000	MG/L	0.0000
gw1134	09/06/89	P	<	0.30000	MG/L	0.0000
gw1134	09/06/89	PB	<	0.03000	MG/L	0.0000
gw1134	09/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw1134	09/06/89	SB	<	0.04000	MG/L	0.0000
gw1134	09/06/89	SE	<	0.08000	MG/L	0.0000
gw1134	09/06/89	SI		3.70000	MG/L	0.0000
gw1134	09/06/89	SN	<	0.05000	MG/L	0.0000
gw1134	09/06/89	SR		0.02700	MG/L	0.0000
gw1134	09/06/89	SULFATE	<	5.00000	MG/L	0.0000
gw1134	09/06/89	TI	<	0.02000	MG/L	0.0000
gw1134	09/06/89	TOC		0.90000	UG/ML	0.0000
gw1134	09/06/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw1134	09/06/89	TOX	<	5.00000	UG/L	0.0000
gw1134	09/06/89	TRITIUM		-69.00000	BQ/L	38.0000
gw1134	09/06/89	V	<	0.00300	MG/L	0.0000
gw1134	09/06/89	ZN		0.02100	MG/L	0.0000
gw1134	09/06/89	ZR	<	0.02000	MG/L	0.0000
gw551	09/06/89	AG	<	0.00500	MG/L	0.0000
gw551	09/06/89	AL		0.05000	MG/L	0.0000
gw551	09/06/89	ALKALINITY		108.00000	MG CACO3/L	0.0000
gw551	09/06/89	AS	<	0.05000	MG/L	0.0000
gw551	09/06/89	B	<	0.08000	MG/L	0.0000
gw551	09/06/89	BA		0.00500	MG/L	0.0000
gw551	09/06/89	BE	<	0.00050	MG/L	0.0000
gw551	09/06/89	CA		34.00000	MG/L	0.0000

Table 5.5 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw551	09/06/89	CD	<	0.00200	MG/L	0.0000
gw551	09/06/89	CHLORIDE		1.00000	MG/L	0.0000
gw551	09/06/89	CO	<	0.00300	MG/L	0.0000
gw551	09/06/89	CR		0.02300	MG/L	0.0000
gw551	09/06/89	CU	<	0.00800	MG/L	0.0000
gw551	09/06/89	FE		0.01000	MG/L	0.0000
gw551	09/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw551	09/06/89	G-ALPHA		0.17000	BQ/L	0.6800
gw551	09/06/89	G-BETA		0.20000	BQ/L	2.1000
gw551	09/06/89	HG	<	0.00010	UG/ML	0.0000
gw551	09/06/89	LI	<	15.00000	MG/L	0.0000
gw551	09/06/89	MG		17.00000	MG/L	0.0000
gw551	09/06/89	MN		0.00410	MG/L	0.0000
gw551	09/06/89	MO	<	0.04000	MG/L	0.0000
gw551	09/06/89	NA	<	2.00000	MG/L	0.0000
gw551	09/06/89	NI	<	0.00600	MG/L	0.0000
gw551	09/06/89	NITRATE	<	5.00000	MG/L	0.0000
gw551	09/06/89	P	<	0.30000	MG/L	0.0000
gw551	09/06/89	PB	<	0.03000	MG/L	0.0000
gw551	09/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw551	09/06/89	SB	<	0.04000	MG/L	0.0000
gw551	09/06/89	SE	<	0.08000	MG/L	0.0000
gw551	09/06/89	SI		5.00000	MG/L	0.0000
gw551	09/06/89	SN	<	0.05000	MG/L	0.0000
gw551	09/06/89	SR		0.02000	MG/L	0.0000
gw551	09/06/89	SULFATE	<	5.00000	MG/L	0.0000
gw551	09/06/89	TI	<	0.02000	MG/L	0.0000
gw551	09/06/89	TOC		0.90000	UG/ML	0.0000
gw551	09/06/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw551	09/06/89	TOX	<	5.00000	UG/L	0.0000
gw551	09/06/89	TRITIUM		-66.00000	BQ/L	38.0000
gw551	09/06/89	V	<	0.00300	MG/L	0.0000
gw551	09/06/89	ZN		0.01600	MG/L	0.0000
gw551	09/06/89	ZR	<	0.02000	MG/L	0.0000
gw561	09/05/89	AG	<	0.00500	MG/L	0.0000
gw561	09/05/89	AL	<	0.05000	MG/L	0.0000
gw561	09/05/89	ALKALINITY		133.00000	MG CACO3/L	0.0000
gw561	09/05/89	AS	<	0.05000	MG/L	0.0000
gw561	09/05/89	B	<	0.08000	MG/L	0.0000
gw561	09/05/89	BA	<	0.00200	MG/L	0.0000
gw561	09/05/89	BE	<	0.00050	MG/L	0.0000
gw561	09/05/89	CA		31.00000	MG/L	0.0000
gw561	09/05/89	CD	<	0.00200	MG/L	0.0000
gw561	09/05/89	CHLORIDE		1.70000	MG/L	0.0000
gw561	09/05/89	CO	<	0.00300	MG/L	0.0000
gw561	09/05/89	CR		0.01800	MG/L	0.0000
gw561	09/05/89	CU		0.03500	MG/L	0.0000

Table 5.5 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw561	09/05/89	FE	<	0.01000	MG/L	0.0000
gw561	09/05/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw561	09/05/89	G-ALPHA		-0.21000	BQ/L	0.1000
gw561	09/05/89	G-BETA		-0.60000	BQ/L	2.2000
gw561	09/05/89	HG	<	0.00010	UG/ML	0.0000
gw561	09/05/89	LI	<	15.00000	MG/L	0.0000
gw561	09/05/89	MG		15.00000	MG/L	0.0000
gw561	09/05/89	MN		0.01500	MG/L	0.0000
gw561	09/05/89	MO	<	0.04000	MG/L	0.0000
gw561	09/05/89	NA	<	2.00000	MG/L	0.0000
gw561	09/05/89	NI	<	0.00600	MG/L	0.0000
gw561	09/05/89	NITRATE		18.00000	MG/L	0.0000
gw561	09/05/89	P	<	0.30000	MG/L	0.0000
gw561	09/05/89	PB	<	0.03000	MG/L	0.0000
gw561	09/05/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw561	09/05/89	SB	<	0.04000	MG/L	0.0000
gw561	09/05/89	SE	<	0.08000	MG/L	0.0000
gw561	09/05/89	SI		3.30000	MG/L	0.0000
gw561	09/05/89	SN	<	0.05000	MG/L	0.0000
gw561	09/05/89	SR		0.02200	MG/L	0.0000
gw561	09/05/89	SULFATE	<	5.00000	MG/L	0.0000
gw561	09/05/89	TI	<	0.02000	MG/L	0.0000
gw561	09/05/89	TOC		0.70000	UG/ML	0.0000
gw561	09/05/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw561	09/05/89	TOX	<	5.00000	UG/L	0.0000
gw561	09/05/89	TRITIUM		-52.00000	BQ/L	39.0000
gw561	09/05/89	V	<	0.00300	MG/L	0.0000
gw561	09/05/89	ZN		0.02600	MG/L	0.0000
gw561	09/05/89	ZR	<	0.02000	MG/L	0.0000
gw562	09/06/89	AG	<	0.00500	MG/L	0.0000
gw562	09/06/89	AL		0.26000	MG/L	0.0000
gw562	09/06/89	ALKALINITY		182.00000	MG CACO3/L	0.0000
gw562	09/06/89	AS	<	0.05000	MG/L	0.0000
gw562	09/06/89	B	<	0.08000	MG/L	0.0000
gw562	09/06/89	BA		0.00630	MG/L	0.0000
gw562	09/06/89	BE	<	0.00050	MG/L	0.0000
gw562	09/06/89	CA		44.00000	MG/L	0.0000
gw562	09/06/89	CD	<	0.00200	MG/L	0.0000
gw562	09/06/89	CHLORIDE		1.80000	MG/L	0.0000
gw562	09/06/89	CO	<	0.00300	MG/L	0.0000
gw562	09/06/89	CR		0.02600	MG/L	0.0000
gw562	09/06/89	CU	<	0.00800	MG/L	0.0000
gw562	09/06/89	FE		0.16000	MG/L	0.0000
gw562	09/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw562	09/06/89	G-ALPHA		0.13000	BQ/L	0.5200
gw562	09/06/89	G-BETA		-0.80000	BQ/L	2.3000
gw562	09/06/89	HG	<	0.00010	UG/ML	0.0000

Table 5.5 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw562	09/06/89	LI	<	15.00000	MG/L	0.0000
gw562	09/06/89	MG		23.00000	MG/L	0.0000
gw562	09/06/89	MN		0.00630	MG/L	0.0000
gw562	09/06/89	MO	<	0.04000	MG/L	0.0000
gw562	09/06/89	NA	<	2.00000	MG/L	0.0000
gw562	09/06/89	NI	<	0.00600	MG/L	0.0000
gw562	09/06/89	NITRATE	<	5.00000	MG/L	0.0000
gw562	09/06/89	P	<	0.30000	MG/L	0.0000
gw562	09/06/89	PB	<	0.03000	MG/L	0.0000
gw562	09/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw562	09/06/89	SB	<	0.04000	MG/L	0.0000
gw562	09/06/89	SE	<	0.08000	MG/L	0.0000
gw562	09/06/89	SI		3.80000	MG/L	0.0000
gw562	09/06/89	SN	<	0.05000	MG/L	0.0000
gw562	09/06/89	SR		0.02200	MG/L	0.0000
gw562	09/06/89	SULFATE	<	5.00000	MG/L	0.0000
gw562	09/06/89	TI	<	0.02000	MG/L	0.0000
gw562	09/06/89	TOC		2.10000	UG/ML	0.0000
gw562	09/06/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw562	09/06/89	TOX		5.50000	UG/L	0.0000
gw562	09/06/89	TRITIUM		-91.00000	BQ/L	37.0000
gw562	09/06/89	V	<	0.00300	MG/L	0.0000
gw562	09/06/89	ZN		0.02800	MG/L	0.0000
gw562	09/06/89	ZR	<	0.02000	MG/L	0.0000
gw563	09/05/89	AG	<	0.00500	MG/L	0.0000
gw563	09/05/89	AL		0.06400	MG/L	0.0000
gw563	09/05/89	ALKALINITY		125.00000	MG CACO3/L	0.0000
gw563	09/05/89	AS	<	0.05000	MG/L	0.0000
gw563	09/05/89	B	<	0.08000	MG/L	0.0000
gw563	09/05/89	BA		0.13000	MG/L	0.0000
gw563	09/05/89	BE	<	0.00050	MG/L	0.0000
gw563	09/05/89	CA		29.00000	MG/L	0.0000
gw563	09/05/89	CD	<	0.00200	MG/L	0.0000
gw563	09/05/89	CHLORIDE		1.30000	MG/L	0.0000
gw563	09/05/89	CO	<	0.00300	MG/L	0.0000
gw563	09/05/89	CR		0.01700	MG/L	0.0000
gw563	09/05/89	CU	<	0.00800	MG/L	0.0000
gw563	09/05/89	FE		0.12000	MG/L	0.0000
gw563	09/05/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw563	09/05/89	G-ALPHA		-0.28000	BQ/L	0.0900
gw563	09/05/89	G-BETA		0.10000	BQ/L	2.2000
gw563	09/05/89	HG	<	0.00010	UG/ML	0.0000
gw563	09/05/89	LI	<	15.00000	MG/L	0.0000
gw563	09/05/89	MG		13.00000	MG/L	0.0000
gw563	09/05/89	MN		0.02900	MG/L	0.0000
gw563	09/05/89	MO	<	0.04000	MG/L	0.0000
gw563	09/05/89	NA	<	2.00000	MG/L	0.0000

Table 5.5 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw563	09/05/89	NI	<	0.00600	MG/L	0.0000
gw563	09/05/89	NI	<	0.00600	MG/L	0.0000
gw563	09/05/89	NITRATE	<	5.00000	MG/L	0.0000
gw563	09/05/89	P	<	0.30000	MG/L	0.0000
gw563	09/05/89	PB	<	0.03000	MG/L	0.0000
gw563	09/05/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw563	09/05/89	SB	<	0.04000	MG/L	0.0000
gw563	09/05/89	SE	<	0.08000	MG/L	0.0000
gw563	09/05/89	SI		3.60000	MG/L	0.0000
gw563	09/05/89	SN	<	0.05000	MG/L	0.0000
gw563	09/05/89	SR		0.04400	MG/L	0.0000
gw563	09/05/89	SULFATE	<	5.00000	MG/L	0.0000
gw563	09/05/89	TI	<	0.02000	MG/L	0.0000
gw563	09/05/89	TOC		0.80000	UG/ML	0.0000
gw563	09/05/89	TOTAL URANIUM		0.00050	MG/L	0.0000
gw563	09/05/89	TOX	<	5.00000	UG/L	0.0000
gw563	09/05/89	TRITIUM		-32.00000	BQ/L	39.0000
gw563	09/05/89	V	<	0.00300	MG/L	0.0000
gw563	09/05/89	ZN		0.01700	MG/L	0.0000
gw563	09/05/89	ZR	<	0.02000	MG/L	0.0000
gw564	09/05/89	AG	<	0.00500	MG/L	0.0000
gw564	09/05/89	AL		0.16000	MG/L	0.0000
gw564	09/05/89	ALKALINITY		0.00000	MG CACO3/L	0.0000
gw564	09/05/89	AS	<	0.05000	MG/L	0.0000
gw564	09/05/89	B	<	0.08000	MG/L	0.0000
gw564	09/05/89	BA		0.01300	MG/L	0.0000
gw564	09/05/89	BE	<	0.00050	MG/L	0.0000
gw564	09/05/89	CA		42.00000	MG/L	0.0000
gw564	09/05/89	CD	<	0.00200	MG/L	0.0000
gw564	09/05/89	CHLORIDE	<	10.00000	MG/L	0.0000
gw564	09/05/89	CO	<	0.00300	MG/L	0.0000
gw564	09/05/89	CR		0.02200	MG/L	0.0000
gw564	09/05/89	CU	<	0.00800	MG/L	0.0000
gw564	09/05/89	FE		0.25000	MG/L	0.0000
gw564	09/05/89	FLUORIDE	<	10.00000	MG/L	0.0000
gw564	09/05/89	G-ALPHA		0.14000	BQ/L	0.5100
gw564	09/05/89	G-BETA		0.60000	BQ/L	2.2000
gw564	09/05/89	HG	<	0.00010	UG/ML	0.0000
gw564	09/05/89	LI	<	15.00000	MG/L	0.0000
gw564	09/05/89	MG		18.00000	MG/L	0.0000
gw564	09/05/89	MN		0.00990	MG/L	0.0000
gw564	09/05/89	MO	<	0.04000	MG/L	0.0000
gw564	09/05/89	NA	<	2.00000	MG/L	0.0000
gw564	09/05/89	NI	<	0.00600	MG/L	0.0000
gw564	09/05/89	NITRATE		13000.0000	MG/L	0.0000
gw564	09/05/89	P	<	0.30000	MG/L	0.0000
gw564	09/05/89	PB	<	0.03000	MG/L	0.0000

Table 5.5 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw564	09/05/89	PHOSPHATE	<	50.00000	MG/L	0.0000
gw564	09/05/89	SB	<	0.04000	MG/L	0.0000
gw564	09/05/89	SE	<	0.08000	MG/L	0.0000
gw564	09/05/89	SI		5.00000	MG/L	0.0000
gw564	09/05/89	SN	<	0.05000	MG/L	0.0000
gw564	09/05/89	SR		0.02500	MG/L	0.0000
gw564	09/05/89	SULFATE	<	50.00000	MG/L	0.0000
gw564	09/05/89	TI	<	0.02000	MG/L	0.0000
gw564	09/05/89	TOC		0.80000	UG/ML	0.0000
gw564	09/05/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
gw564	09/05/89	TOX	<	5.00000	UG/L	0.0000
gw564	09/05/89	TRITIUM		-69.00000	BQ/L	38.0000
gw564	09/05/89	V	<	0.00300	MG/L	0.0000
gw564	09/05/89	ZN		0.02300	MG/L	0.0000
gw564	09/05/89	ZR	<	0.02000	MG/L	0.0000
gw565	09/06/89	AG	<	0.00500	MG/L	0.0000
gw565	09/06/89	AL		0.09500	MG/L	0.0000
gw565	09/06/89	ALKALINITY		156.00000	MG CACO3/L	0.0000
gw565	09/06/89	AS	<	0.05000	MG/L	0.0000
gw565	09/06/89	B	<	0.08000	MG/L	0.0000
gw565	09/06/89	BA		0.00350	MG/L	0.0000
gw565	09/06/89	BE	<	0.00050	MG/L	0.0000
gw565	09/06/89	CA		35.00000	MG/L	0.0000
gw565	09/06/89	CD	<	0.00200	MG/L	0.0000
gw565	09/06/89	CHLORIDE		1.00000	MG/L	0.0000
gw565	09/06/89	CO	<	0.00300	MG/L	0.0000
gw565	09/06/89	CR		0.02800	MG/L	0.0000
gw565	09/06/89	CU	<	0.00800	MG/L	0.0000
gw565	09/06/89	FE		0.06300	MG/L	0.0000
gw565	09/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw565	09/06/89	G-ALPHA		0.37000	BQ/L	0.6800
gw565	09/06/89	G-BETA		-0.50000	BQ/L	1.7000
gw565	09/06/89	HG	<	0.00010	UG/ML	0.0000
gw565	09/06/89	LI	<	15.00000	MG/L	0.0000
gw565	09/06/89	MG		18.00000	MG/L	0.0000
gw565	09/06/89	MN		0.01200	MG/L	0.0000
gw565	09/06/89	MO	<	0.04000	MG/L	0.0000
gw565	09/06/89	NA	<	2.00000	MG/L	0.0000
gw565	09/06/89	NI	<	0.00600	MG/L	0.0000
gw565	09/06/89	NITRATE	<	5.00000	MG/L	0.0000
gw565	09/06/89	P	<	0.30000	MG/L	0.0000
gw565	09/06/89	PB	<	0.03000	MG/L	0.0000
gw565	09/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw565	09/06/89	SB	<	0.04000	MG/L	0.0000
gw565	09/06/89	SE	<	0.08000	MG/L	0.0000
gw565	09/06/89	SI		3.40000	MG/L	0.0000
gw565	09/06/89	SN	<	0.05000	MG/L	0.0000

Table 5.5 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw565	09/06/89	SR		0.01900	MG/L	0.0000
gw565	09/06/89	SULFATE	<	5.00000	MG/L	0.0000
gw565	09/06/89	TI	<	0.02000	MG/L	0.0000
gw565	09/06/89	TOC		1.10000	UG/ML	0.0000
gw565	09/06/89	TOTAL URANIUM		0.00100	MG/L	0.0000
gw565	09/06/89	TOX		11.00000	UG/L	0.0000
gw565	09/06/89	TRITIUM		-70.00000	BQ/L	38.0000
gw565	09/06/89	V	<	0.00300	MG/L	0.0000
gw565	09/06/89	ZN		0.02400	MG/L	0.0000
gw565	09/06/89	ZR	<	0.02000	MG/L	0.0000
gw576	09/05/89	AG	<	0.00500	MG/L	0.0000
gw576	09/05/89	AL		0.63000	MG/L	0.0000
gw576	09/05/89	ALKALINITY		140.00000	MG CACO3/L	0.0000
gw576	09/05/89	AS	<	0.05000	MG/L	0.0000
gw576	09/05/89	B	<	0.08000	MG/L	0.0000
gw576	09/05/89	BA		0.16000	MG/L	0.0000
gw576	09/05/89	BE	<	0.00050	MG/L	0.0000
gw576	09/05/89	CA		40.00000	MG/L	0.0000
gw576	09/05/89	CD	<	0.00200	MG/L	0.0000
gw576	09/05/89	CHLORIDE		1.00000	MG/L	0.0000
gw576	09/05/89	CO	<	0.00300	MG/L	0.0000
gw576	09/05/89	CR		0.02000	MG/L	0.0000
gw576	09/05/89	CU	<	0.00800	MG/L	0.0000
gw576	09/05/89	FE		0.62000	MG/L	0.0000
gw576	09/05/89	FLUORIDE	<	1.00000	MG/L	0.0000
gw576	09/05/89	G-ALPHA		0.00000	BQ/L	0.4000
gw576	09/05/89	G-BETA		0.30000	BQ/L	2.1000
gw576	09/05/89	HG	<	0.00010	UG/ML	0.0000
gw576	09/05/89	LI	<	15.00000	MG/L	0.0000
gw576	09/05/89	MG		13.00000	MG/L	0.0000
gw576	09/05/89	MN		0.48000	MG/L	0.0000
gw576	09/05/89	MO	<	0.04000	MG/L	0.0000
gw576	09/05/89	NA	<	2.00000	MG/L	0.0000
gw576	09/05/89	NI	<	0.00600	MG/L	0.0000
gw576	09/05/89	NITRATE	<	5.00000	MG/L	0.0000
gw576	09/05/89	P	<	0.30000	MG/L	0.0000
gw576	09/05/89	PB	<	0.03000	MG/L	0.0000
gw576	09/05/89	PHOSPHATE	<	5.00000	MG/L	0.0000
gw576	09/05/89	SB	<	0.04000	MG/L	0.0000
gw576	09/05/89	SE	<	0.08000	MG/L	0.0000
gw576	09/05/89	SI		5.00000	MG/L	0.0000
gw576	09/05/89	SN	<	0.05000	MG/L	0.0000
gw576	09/05/89	SR		0.03600	MG/L	0.0000
gw576	09/05/89	SULFATE	<	5.00000	MG/L	0.0000
gw576	09/05/89	TI	<	0.02000	MG/L	0.0000
gw576	09/05/89	TOC		0.90000	UG/ML	0.0000
gw576	09/05/89	TOTAL URANIUM		0.00100	MG/L	0.0000

Table 5.5 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
gw576	09/05/89	TOX	<	5.00000	UG/L	0.0000
gw576	09/05/89	TRITIUM		-67.00000	BQ/L	38.0000
gw576	09/05/89	V	<	0.00300	MG/L	0.0000
gw576	09/05/89	ZN		0.04200	MG/L	0.0000
gw576	09/05/89	ZR	<	0.02000	MG/L	0.0000

*Explanation of data qualifiers (QL): "U" indicates compound was analyzed for but not detected. "J" indicates that the quantitative value is estimated. "B" appears for a compound that was detected in both the sample and its associated blank. "E" indicates that the reported concentration of the compound exceeded the calibration range of the instrument.

**The uncertainty value was determined only for the radiological parameters and is a measure of decay counting statistics for the analyses.

APPENDIX A
QUALITY ASSURANCE MONITORING

Blank samples, spiked samples, and duplicate samples are provided for analysis as part of the quality assurance (QA) plan for the analysis of groundwater and surface water samples. Table A.1 lists the results of the analysis of QA samples submitted during all four quarters of FY89.

Table A.2 is a listing of QA data for the groundwater program during calendar years 1988 and January-October of 1989.

Table A.1. Chemical analysis of samples that are part of the quality assurance program, FY89

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
1117(dp)	08/11/88	AG	<	0.00600	MG/L	0.0000
1117(dp)	08/11/88	AL		0.36900	MG/L	0.0000
1117(dp)	08/11/88	ALKALINITY		283.80000	MG CACO3/L	0.0000
1117(dp)	08/11/88	AS	<	0.06000	MG/L	0.0000
1117(dp)	08/11/88	B	<	0.08000	MG/L	0.0000
1117(dp)	08/11/88	BA		0.12800	MG/L	0.0000
1117(dp)	08/11/88	BE		0.00270	MG/L	0.0000
1117(dp)	08/11/88	CA		94.70000	MG/L	0.0000
1117(dp)	08/11/88	CD	<	0.00100	MG/L	0.0000
1117(dp)	08/11/88	CL		1.00000	MG/L	0.0000
1117(dp)	08/11/88	CO	<	0.00200	MG/L	0.0000
1117(dp)	08/11/88	CR	<	0.00500	MG/L	0.0000
1117(dp)	08/11/88	CU	<	0.01000	MG/L	0.0000
1117(dp)	08/11/88	F	<	1.00000	MG/L	0.0000
1117(dp)	08/11/88	FE		0.12900	MG/L	0.0000
1117(dp)	08/11/88	GA	<	0.30000	MG/L	0.0000
1117(dp)	08/11/88	LI	<	0.20000	MG/L	0.0000
1117(dp)	08/11/88	MG		14.40000	MG/L	0.0000
1117(dp)	08/11/88	MN		0.03400	MG/L	0.0000
1117(dp)	08/11/88	MO	<	0.04000	MG/L	0.0000
1117(dp)	08/11/88	NA		13.50000	MG/L	0.0000
1117(dp)	08/11/88	NI	<	0.00600	MG/L	0.0000
1117(dp)	08/11/88	NO3	<	5.00000	MG/L	0.0000
1117(dp)	08/11/88	P	<	0.30000	MG/L	0.0000
1117(dp)	08/11/88	PB	<	0.03000	MG/L	0.0000
1117(dp)	08/11/88	PO4	<	5.00000	MG/L	0.0000
1117(dp)	08/11/88	SB	<	0.05000	MG/L	0.0000
1117(dp)	08/11/88	SE	<	0.05000	MG/L	0.0000
1117(dp)	08/11/88	SI		9.87000	MG/L	0.0000
1117(dp)	08/11/88	SN	<	0.05000	MG/L	0.0000
1117(dp)	08/11/88	SO4		37.00000	MG/L	0.0000
1117(dp)	08/11/88	SR		0.72100	MG/L	0.0000
1117(dp)	08/11/88	TI	<	0.02000	MG/L	0.0000
1117(dp)	08/11/88	TOTAL URANIUM		0.00200	MG/L	0.0000
1117(dp)	08/11/88	V		0.00770	MG/L	0.0000
1117(dp)	08/11/88	ZN		0.01170	MG/L	0.0000
1117(dp)	08/11/88	ZR	<	0.02000	MG/L	0.0000
18b(dp)	03/14/89	AG	<	0.00500	MG/L	0.0000
18b(dp)	09/01/89	AG	<	0.00500	MG/L	0.0000
18b(dp)	12/06/88	AG	<	0.00500	MG/L	0.0000
18b(dp)	03/14/89	AL		0.23000	MG/L	0.0000
18b(dp)	09/01/89	AL		0.18000	MG/L	0.0000
18b(dp)	12/06/88	AL		0.26000	MG/L	0.0000
18b(dp)	03/14/89	ALKALINITY		141.30000	MG CACO3/L	0.0000
18b(dp)	09/01/89	ALKALINITY		165.00000	MG CACO3/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
18b(dp)	12/06/88	ALKALINITY		155.00000	MG CACO3/L	0.0000
18b(dp)	03/14/89	AS	<	0.01000	UG/ML	0.0000
18b(dp)	09/01/89	AS	<	0.05000	MG/L	0.0000
18b(dp)	12/06/88	AS	<	0.01000	UG/ML	0.0000
18b(dp)	03/14/89	B	<	0.08000	MG/L	0.0000
18b(dp)	09/01/89	B	<	0.08000	MG/L	0.0000
18b(dp)	12/06/88	B	<	0.08000	MG/L	0.0000
18b(dp)	03/14/89	BA	<	0.00200	MG/L	0.0000
18b(dp)	09/01/89	BA		0.02100	MG/L	0.0000
18b(dp)	12/06/88	BA		0.03200	MG/L	0.0000
18b(dp)	03/14/89	BE	<	0.00030	MG/L	0.0000
18b(dp)	09/01/89	BE	<	0.00050	MG/L	0.0000
18b(dp)	12/06/88	BE	<	0.00030	MG/L	0.0000
18b(dp)	03/14/89	CA		21.00000	MG/L	0.0000
18b(dp)	09/01/89	CA		48.00000	MG/L	0.0000
18b(dp)	12/06/88	CA		48.00000	MG/L	0.0000
18b(dp)	03/14/89	CD	<	0.00200	MG/L	0.0000
18b(dp)	09/01/89	CD	<	0.00200	MG/L	0.0000
18b(dp)	12/06/88	CD		0.00250	MG/L	0.0000
18b(dp)	03/14/89	CHLORIDE		2.10000	MG/L	0.0000
18b(dp)	09/01/89	CHLORIDE		1.70000	MG/L	0.0000
18b(dp)	12/06/88	CL		2.00000	MG/L	0.0000
18b(dp)	03/14/89	CO	<	0.00300	MG/L	0.0000
18b(dp)	09/01/89	CO	<	0.00300	MG/L	0.0000
18b(dp)	12/06/88	CO	<	0.00300	MG/L	0.0000
18b(dp)	03/14/89	CR		0.01600	MG/L	0.0000
18b(dp)	09/01/89	CR	<	0.00300	MG/L	0.0000
18b(dp)	12/06/88	CR	<	0.00500	MG/L	0.0000
18b(dp)	03/14/89	CU	<	0.01000	MG/L	0.0000
18b(dp)	09/01/89	CU	<	0.00800	MG/L	0.0000
18b(dp)	12/06/88	CU		0.01400	MG/L	0.0000
18b(dp)	12/06/88	F	<	1.00000	MG/L	0.0000
18b(dp)	03/14/89	FE	<	0.01000	MG/L	0.0000
18b(dp)	09/01/89	FE	<	0.01000	MG/L	0.0000
18b(dp)	12/06/88	FE		0.01600	MG/L	0.0000
18b(dp)	03/14/89	FLUORIDE	<	1.00000	MG/L	0.0000
18b(dp)	09/01/89	FLUORIDE	<	1.00000	MG/L	0.0000
18b(dp)	03/14/89	G-ALPHA		0.03300	BQ/L	0.0670
18b(dp)	09/01/89	G-ALPHA		0.07000	BQ/L	0.5400
18b(dp)	12/06/88	G-ALPHA		0.29000	BQ/L	0.1300
18b(dp)	03/14/89	G-BETA		0.00000	BQ/L	0.1400
18b(dp)	09/01/89	G-BETA		-0.60000	BQ/L	2.0000
18b(dp)	12/06/88	G-BETA		0.24000	BQ/L	0.0900
18b(dp)	03/14/89	GA	<	0.30000	MG/L	0.0000
18b(dp)	12/06/88	GA	<	0.30000	MG/L	0.0000
18b(dp)	03/14/89	HG	<	0.00000	UG/ML	0.0000
18b(dp)	09/01/89	HG	<	0.00000	UG/ML	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
18b(dp)	12/06/88	HG	<	0.00000	UG/ML	0.0000
18b(dp)	03/14/89	LI	<	0.20000	MG/L	0.0000
18b(dp)	09/01/89	LI	<	15.00000	MG/L	0.0000
18b(dp)	12/06/88	LI	<	0.20000	MG/L	0.0000
18b(dp)	03/14/89	MG		9.40000	MG/L	0.0000
18b(dp)	09/01/89	MG		9.00000	MG/L	0.0000
18b(dp)	12/06/88	MG		9.90000	MG/L	0.0000
18b(dp)	03/14/89	MN	<	0.00200	MG/L	0.0000
18b(dp)	09/01/89	MN	<	0.00200	MG/L	0.0000
18b(dp)	12/06/88	MN		0.00480	MG/L	0.0000
18b(dp)	03/14/89	MO	<	0.04000	MG/L	0.0000
18b(dp)	09/01/89	MO	<	0.04000	MG/L	0.0000
18b(dp)	12/06/88	MO	<	0.04000	MG/L	0.0000
18b(dp)	09/01/89	NA	<	2.00000	MG/L	0.0000
18b(dp)	12/06/88	NA		3.10000	MG/L	0.0000
18b(dp)	03/14/89	NI		0.01400	MG/L	0.0000
18b(dp)	09/01/89	NI	<	0.00600	MG/L	0.0000
18b(dp)	12/06/88	NI		0.00540	MG/L	0.0000
18b(dp)	03/14/89	NITRATE	<	5.00000	MG/L	0.0000
18b(dp)	12/06/88	NO3	<	5.00000	MG/L	0.0000
18b(dp)	03/14/89	P	<	0.30000	MG/L	0.0000
18b(dp)	09/01/89	P	<	0.30000	MG/L	0.0000
18b(dp)	12/06/88	P	<	0.30000	MG/L	0.0000
18b(dp)	03/14/89	PB	<	0.05000	MG/L	0.0000
18b(dp)	09/01/89	PB	<	0.03000	MG/L	0.0000
18b(dp)	12/06/88	PB	<	0.05000	MG/L	0.0000
18b(dp)	03/14/89	PHOSPHATE	<	5.00000	MG/L	0.0000
18b(dp)	12/06/88	PO4	<	5.00000	MG/L	0.0000
18b(dp)	03/14/89	SB	<	0.03000	MG/L	0.0000
18b(dp)	09/01/89	SB	<	0.04000	MG/L	0.0000
18b(dp)	12/06/88	SB	<	0.03000	MG/L	0.0000
18b(dp)	03/14/89	SE	<	0.00500	UG/ML	0.0000
18b(dp)	09/01/89	SE	<	0.08000	MG/L	0.0000
18b(dp)	12/06/88	SE	<	0.00500	UG/ML	0.0000
18b(dp)	03/14/89	SI		3.20000	MG/L	0.0000
18b(dp)	12/06/88	SI		3.40000	MG/L	0.0000
18b(dp)	03/14/89	SN	<	0.05000	MG/L	0.0000
18b(dp)	09/01/89	SN	<	0.05000	MG/L	0.0000
18b(dp)	12/06/88	SN	<	0.05000	MG/L	0.0000
18b(dp)	12/06/88	SO4		9.30000	MG/L	0.0000
18b(dp)	03/14/89	SR		0.09600	MG/L	0.0000
18b(dp)	09/01/89	SR		0.08900	MG/L	0.0000
18b(dp)	12/06/88	SR		0.16000	MG/L	0.0000
18b(dp)	03/14/89	SULFATE		5.60000	MG/L	0.0000
18b(dp)	09/01/89	SULFATE		6.10000	MG/L	0.0000
18b(dp)	03/14/89	TI	<	0.02000	MG/L	0.0000
18b(dp)	09/01/89	TI	<	0.02000	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
18b(dp)	12/06/88	TI		0.02100	MG/L	0.0000
18b(dp)	03/14/89	TOC		0.50000	UG/ML	0.0000
18b(dp)	09/01/89	TOC		1.10000	UG/ML	0.0000
18b(dp)	12/06/88	TOC		0.90000	UG/ML	0.0000
18b(dp)	03/14/89	TOTAL URANIUM		0.00400	MG/L	0.0000
18b(dp)	09/01/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
18b(dp)	12/06/88	TOTAL URANIUM		0.00100	MG/L	0.0000
18b(dp)	03/14/89	TOX	<	5.00000	UG/L	0.0000
18b(dp)	09/01/89	TOX	<	5.00000	UG/L	0.0000
18b(dp)	12/06/88	TOX		8.10000	UG/L	0.0000
18b(dp)	03/14/89	TRITIUM		3.00000	BQ/L	31.0000
18b(dp)	09/01/89	TRITIUM		-1.00000	BQ/L	38.0000
18b(dp)	12/06/88	TRITIUM		10.00000	BQ/L	44.0000
18b(dp)	03/14/89	V	<	0.00400	MG/L	0.0000
18b(dp)	09/01/89	V	<	0.00300	MG/L	0.0000
18b(dp)	12/06/88	V		0.00650	MG/L	0.0000
18b(dp)	03/14/89	ZN	<	0.00800	MG/L	0.0000
18b(dp)	09/01/89	ZN		0.09100	MG/L	0.0000
18b(dp)	12/06/88	ZN		0.12000	MG/L	0.0000
18b(dp)	03/14/89	ZR	<	0.02000	MG/L	0.0000
18b(dp)	09/01/89	ZR	<	0.02000	MG/L	0.0000
18b(dp)	12/06/88	ZR	<	0.02000	MG/L	0.0000
B-01	03/14/89	AG	<	0.00500	MG/L	0.0000
B-01	06/06/89	AG	<	0.00500	MG/L	0.0000
B-01	09/01/89	AG	<	0.00500	MG/L	0.0000
B-01	12/09/88	AG	<	0.00500	MG/L	0.0000
B-01	03/14/89	AL	<	0.05000	MG/L	0.0000
B-01	06/06/89	AL	<	2.00000	MG/L	0.0000
B-01	09/01/89	AL	<	0.05000	MG/L	0.0000
B-01	12/09/88	AL	<	0.05000	MG/L	0.0000
B-01	03/14/89	ALKALINITY		1.00000	MG CACO3/L	0.0000
B-01	06/06/89	ALKALINITY		1.30000	MG CACO3/L	0.0000
B-01	09/01/89	ALKALINITY		3.00000	MG CACO3/L	0.0000
B-01	12/09/88	ALKALINITY		2.50000	MG CACO3/L	0.0000
B-01	03/14/89	AS	<	0.01000	UG/ML	0.0000
B-01	06/06/89	AS	<	0.01000	UG/ML	0.0000
B-01	09/01/89	AS	<	0.05000	MG/L	0.0000
B-01	12/09/88	AS	<	0.01000	UG/ML	0.0000
B-01	03/14/89	B	<	0.08000	MG/L	0.0000
B-01	06/06/89	B	<	0.08000	MG/L	0.0000
B-01	09/01/89	B	<	0.08000	MG/L	0.0000
B-01	12/09/88	B	<	0.08000	MG/L	0.0000
B-01	03/14/89	BA	<	0.00200	MG/L	0.0000
B-01	06/06/89	BA		0.01800	MG/L	0.0000
B-01	09/01/89	BA	<	0.00200	MG/L	0.0000
B-01	12/09/88	BA	<	0.00200	MG/L	0.0000
B-01	03/14/89	BE	<	0.00030	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
B-01	06/06/89	BE		0.02900	MG/L	0.0000
B-01	09/01/89	BE	<	0.00050	MG/L	0.0000
B-01	12/09/88	BE	<	0.00030	MG/L	0.0000
B-01	03/14/89	CA	<	0.10000	MG/L	0.0000
B-01	06/06/89	CA	<	0.06000	MG/L	0.0000
B-01	09/01/89	CA	<	0.05000	MG/L	0.0000
B-01	12/09/88	CA	<	0.10000	MG/L	0.0000
B-01	03/14/89	CD	<	0.00200	MG/L	0.0000
B-01	06/06/89	CD		0.00860	MG/L	0.0000
B-01	09/01/89	CD	<	0.00200	MG/L	0.0000
B-01	12/09/88	CD	<	0.00200	MG/L	0.0000
B-01	03/14/89	CHLORIDE	<	1.00000	MG/L	0.0000
B-01	06/06/89	CHLORIDE	<	1.00000	MG/L	0.0000
B-01	09/01/89	CHLORIDE	<	1.00000	MG/L	0.0000
B-01	12/09/88	CL	<	1.00000	MG/L	0.0000
B-01	03/14/89	CO	<	0.00300	MG/L	0.0000
B-01	06/06/89	CO	<	0.00300	MG/L	0.0000
B-01	09/01/89	CO	<	0.00300	MG/L	0.0000
B-01	12/09/88	CO	<	0.00300	MG/L	0.0000
B-01	03/14/89	CR		6600.00000	MG/L	0.0000
B-01	06/06/89	CR		0.01000	MG/L	0.0000
B-01	09/01/89	CR	<	0.00300	MG/L	0.0000
B-01	12/09/88	CR	<	0.00500	MG/L	0.0000
B-01	03/14/89	CU	<	0.01000	MG/L	0.0000
B-01	06/06/89	CU	<	0.01000	MG/L	0.0000
B-01	09/01/89	CU	<	0.00800	MG/L	0.0000
B-01	12/09/88	CU	<	0.01000	MG/L	0.0000
B-01	12/09/88	F	<	1.00000	MG/L	0.0000
B-01	03/14/89	FE	<	0.01000	MG/L	0.0000
B-01	06/06/89	FE	<	0.01000	MG/L	0.0000
B-01	09/01/89	FE	<	0.01000	MG/L	0.0000
B-01	12/09/88	FE	<	0.01000	MG/L	0.0000
B-01	03/14/89	FLUORIDE	<	1.00000	MG/L	0.0000
B-01	06/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
B-01	09/01/89	FLUORIDE	<	1.00000	MG/L	0.0000
B-01	06/06/89	G-ALPHA		3.40000	BQ/L	0.4000
B-01	09/01/89	G-ALPHA		0.17000	BQ/L	0.5200
B-01	12/08/88	G-ALPHA		16.00000	BQ/L	1.0000
B-01	06/06/89	G-BETA		1.50000	BQ/L	0.3000
B-01	09/01/89	G-BETA		-0.60000	BQ/L	2.1000
B-01	12/08/88	G-BETA		5.40000	BQ/L	0.4000
B-01	03/14/89	GA	<	0.30000	MG/L	0.0000
B-01	12/09/88	GA	<	0.30000	MG/L	0.0000
B-01	03/14/89	HG	<	0.00000	UG/ML	0.0000
B-01	06/06/89	HG	<	0.00000	UG/ML	0.0000
B-01	09/01/89	HG	<	0.00000	UG/ML	0.0000
B-01	12/09/88	HG	<	0.00000	UG/ML	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
B-01	12/09/88	HG	<	0.00000	UG/ML	0.0000
B-01	03/14/89	LI	<	0.20000	MG/L	0.0000
B-01	06/06/89	LI	<	15.00000	MG/L	0.0000
B-01	09/01/89	LI	<	15.00000	MG/L	0.0000
B-01	12/09/88	LI	<	0.20000	MG/L	0.0000
B-01	03/14/89	MG	<	0.01000	MG/L	0.0000
B-01	06/06/89	MG	<	0.01000	MG/L	0.0000
B-01	09/01/89	MG	<	0.01000	MG/L	0.0000
B-01	12/09/88	MG	<	0.01000	MG/L	0.0000
B-01	03/14/89	MN	<	0.00200	MG/L	0.0000
B-01	06/06/89	MN		0.00970	MG/L	0.0000
B-01	09/01/89	MN	<	0.00200	MG/L	0.0000
B-01	12/09/88	MN	<	0.00200	MG/L	0.0000
B-01	03/14/89	MO	<	0.04000	MG/L	0.0000
B-01	06/06/89	MO	<	0.04000	MG/L	0.0000
B-01	09/01/89	MO	<	0.04000	MG/L	0.0000
B-01	12/09/88	MO	<	0.04000	MG/L	0.0000
B-01	06/06/89	NA	<	2.00000	MG/L	0.0000
B-01	09/01/89	NA	<	2.00000	MG/L	0.0000
B-01	12/09/88	NA	<	0.20000	MG/L	0.0000
B-01	03/14/89	NI		0.01700	MG/L	0.0000
B-01	06/06/89	NI	<	0.00600	MG/L	0.0000
B-01	09/01/89	NI	<	0.00600	MG/L	0.0000
B-01	12/09/88	NI	<	0.00500	MG/L	0.0000
B-01	03/14/89	NITRATE	<	5.00000	MG/L	0.0000
B-01	12/09/88	NO3	<	5.00000	MG/L	0.0000
B-01	03/14/89	P	<	0.30000	MG/L	0.0000
B-01	06/06/89	P	<	0.30000	MG/L	0.0000
B-01	09/01/89	P	<	0.30000	MG/L	0.0000
B-01	12/09/88	P	<	0.30000	MG/L	0.0000
B-01	03/14/89	PB	<	0.05000	MG/L	0.0000
B-01	06/06/89	PB	<	0.03000	MG/L	0.0000
B-01	09/01/89	PB	<	0.03000	MG/L	0.0000
B-01	12/09/88	PB	<	0.05000	MG/L	0.0000
B-01	03/14/89	PHOSPHATE	<	5.00000	MG/L	0.0000
B-01	06/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
B-01	12/09/88	PO4	<	5.00000	MG/L	0.0000
B-01	03/14/89	SB	<	0.03000	MG/L	0.0000
B-01	06/06/89	SB	<	0.04000	MG/L	0.0000
B-01	09/01/89	SB	<	0.04000	MG/L	0.0000
B-01	12/09/88	SB	<	0.03000	MG/L	0.0000
B-01	03/14/89	SE	<	0.00500	UG/ML	0.0000
B-01	06/06/89	SE	<	0.00500	UG/ML	0.0000
B-01	09/01/89	SE	<	0.08000	MG/L	0.0000
B-01	12/09/88	SE	<	0.00500	UG/ML	0.0000
B-01	03/14/89	SI	<	0.20000	MG/L	0.0000
B-01	06/06/89	SI	<	0.20000	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
B-01	12/09/88	SI	<	0.20000	MG/L	0.0000
B-01	03/14/89	SN	<	0.05000	MG/L	0.0000
B-01	06/06/89	SN	<	0.05000	MG/L	0.0000
B-01	09/01/89	SN	<	0.05000	MG/L	0.0000
B-01	12/09/88	SN	<	0.05000	MG/L	0.0000
B-01	12/09/88	SO4	<	5.00000	MG/L	0.0000
B-01	03/14/89	SR	<	0.00500	MG/L	0.0000
B-01	06/06/89	SR	<	0.00500	MG/L	0.0000
B-01	09/01/89	SR	<	0.00500	MG/L	0.0000
B-01	12/09/88	SR	<	0.00500	MG/L	0.0000
B-01	03/14/89	SULFATE	<	5.00000	MG/L	0.0000
B-01	06/06/89	SULFATE	<	5.00000	MG/L	0.0000
B-01	09/01/89	SULFATE	<	5.00000	MG/L	0.0000
B-01	03/14/89	TI	<	0.02000	MG/L	0.0000
B-01	06/06/89	TI	<	0.02000	MG/L	0.0000
B-01	09/01/89	TI	<	0.02000	MG/L	0.0000
B-01	12/09/88	TI	<	0.02000	MG/L	0.0000
B-01	03/14/89	TOC	<	0.50000	UG/ML	0.0000
B-01	06/06/89	TOC	<	0.50000	UG/ML	0.0000
B-01	09/01/89	TOC	<	0.50000	UG/ML	0.0000
B-01	12/09/88	TOC	<	0.50000	UG/ML	0.0000
B-01	03/14/89	TOTAL URANIUM		0.00300	MG/L	0.0000
B-01	06/06/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
B-01	09/01/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
B-01	12/09/88	TOTAL URANIUM	<	0.00100	MG/L	0.0000
B-01	03/14/89	TOX	<	5.00000	UG/L	0.0000
B-01	06/06/89	TOX	<	5.00000	UG/L	0.0000
B-01	09/01/89	TOX	<	5.00000	UG/L	0.0000
B-01	12/09/88	TOX	<	5.00000	UG/L	0.0000
B-01	06/06/89	TRITIUM		8.00000	BQ/L	29.0000
B-01	09/01/89	TRITIUM		-3.00000	BQ/L	33.0000
B-01	12/08/88	TRITIUM		-2.00000	BQ/L	45.0000
B-01	03/14/89	V		0.00400	MG/L	0.0000
B-01	06/06/89	V	<	0.00400	MG/L	0.0000
B-01	09/01/89	V	<	0.00300	MG/L	0.0000
B-01	12/09/88	V	<	0.00400	MG/L	0.0000
B-01	03/14/89	ZN	<	0.00800	MG/L	0.0000
B-01	06/06/89	ZN	<	0.00800	MG/L	0.0000
B-01	09/01/89	ZN		0.02200	MG/L	0.0000
B-01	12/09/88	ZN	<	0.00800	MG/L	0.0000
B-01	03/14/89	ZR	<	0.00800	MG/L	0.0000
B-01	06/06/89	ZR	<	0.02000	MG/L	0.0000
B-01	09/01/89	ZR	<	0.02000	MG/L	0.0000
B-01	12/09/88	ZR	<	0.02000	MG/L	0.0000
S-01	03/21/89	AG	<	0.00500	MG/L	0.0000
S-01	06/09/89	AG		0.03300	MG/L	0.0000
S-01	08/11/88	AG		0.02640	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
S-01	08/31/89	AG	<	0.00500	MG/L	0.0000
S-01	12/08/88	AG		0.05700	MG/L	0.0000
S-01	03/21/89	AL		0.38000	MG/L	0.0000
S-01	06/09/89	AL	<	2.00000	MG/L	0.0000
S-01	08/11/88	AL		0.32900	MG/L	0.0000
S-01	08/31/89	AL		0.42000	MG/L	0.0000
S-01	12/08/88	AL		0.67000	MG/L	0.0000
S-01	03/21/89	ALKALINITY		28.80000	MG CACO3/L	0.0000
S-01	06/09/89	ALKALINITY		19.80000	MG CACO3/L	0.0000
S-01	08/11/88	ALKALINITY		37.00000	MG CACO3/L	0.0000
S-01	08/31/89	ALKALINITY		35.00000	MG CACO3/L	0.0000
S-01	12/08/88	ALKALINITY		25.00000	MG CACO3/L	0.0000
S-01	03/21/89	AS		0.05000	UG/ML	0.0000
S-01	06/09/89	AS		0.20000	UG/ML	0.0000
S-01	08/11/88	AS		0.11800	MG/L	0.0000
S-01	08/31/89	AS		0.08900	MG/L	0.0000
S-01	12/08/88	AS		0.05000	UG/ML	0.0000
S-01	03/21/89	B	<	0.08000	MG/L	0.0000
S-01	06/09/89	B	<	0.08000	MG/L	0.0000
S-01	08/11/88	B	<	0.08000	MG/L	0.0000
S-01	08/31/89	B	<	0.08000	MG/L	0.0000
S-01	12/08/88	B	<	0.08000	MG/L	0.0000
S-01	03/21/89	BA	<	0.00200	MG/L	0.0000
S-01	06/09/89	BA		0.02400	MG/L	0.0000
S-01	08/11/88	BA		0.00130	MG/L	0.0000
S-01	08/31/89	BA	<	0.00200	MG/L	0.0000
S-01	12/08/88	BA		0.01900	MG/L	0.0000
S-01	03/21/89	BE		0.14000	MG/L	0.0000
S-01	06/09/89	BE		0.22000	MG/L	0.0000
S-01	08/11/88	BE		0.11500	MG/L	0.0000
S-01	08/31/89	BE		0.08400	MG/L	0.0000
S-01	12/08/88	BE		0.22000	MG/L	0.0000
S-01	03/21/89	CA	<	0.10000	MG/L	0.0000
S-01	06/09/89	CA	<	0.06000	MG/L	0.0000
S-01	08/11/88	CA	<	0.15000	MG/L	0.0000
S-01	08/31/89	CA		1.50000	MG/L	0.0000
S-01	12/08/88	CA	<	0.10000	MG/L	0.0000
S-01	03/21/89	CD		0.01900	MG/L	0.0000
S-01	06/09/89	CD		0.02300	MG/L	0.0000
S-01	08/11/88	CD		0.00600	MG/L	0.0000
S-01	08/31/89	CD		0.02200	MG/L	0.0000
S-01	12/08/88	CD		0.00870	MG/L	0.0000
S-01	03/21/89	CHLORIDE		24.00000	MG/L	0.0000
S-01	06/09/89	CHLORIDE		20.00000	MG/L	0.0000
S-01	08/31/89	CHLORIDE		84.00000	MG/L	0.0000
S-01	08/11/88	CL		47.00000	MG/L	0.0000
S-01	12/08/88	CL		47.00000	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
S-01	03/21/89	CO		0.13000	MG/L	0.0000
S-01	06/09/89	CO		0.19000	MG/L	0.0000
S-01	08/11/88	CO		0.11900	MG/L	0.0000
S-01	08/31/89	CO		0.08100	MG/L	0.0000
S-01	12/08/88	CO		0.24000	MG/L	0.0000
S-01	03/21/89	CR		0.17000	MG/L	0.0000
S-01	06/09/89	CR		0.25000	MG/L	0.0000
S-01	08/11/88	CR		0.14100	MG/L	0.0000
S-01	08/31/89	CR		0.07300	MG/L	0.0000
S-01	12/08/88	CR		0.29000	MG/L	0.0000
S-01	03/21/89	CU		0.20000	MG/L	0.0000
S-01	06/09/89	CU		0.41000	MG/L	0.0000
S-01	08/11/88	CU		0.21500	MG/L	0.0000
S-01	08/31/89	CU		0.07400	MG/L	0.0000
S-01	12/08/88	CU		0.41000	MG/L	0.0000
S-01	08/11/88	F		12.00000	MG/L	0.0000
S-01	12/08/88	F		9.80000	MG/L	0.0000
S-01	03/21/89	FE		0.45000	MG/L	0.0000
S-01	06/09/89	FE		0.75000	MG/L	0.0000
S-01	08/11/88	FE		0.37700	MG/L	0.0000
S-01	08/31/89	FE		0.07900	MG/L	0.0000
S-01	12/08/88	FE		0.79000	MG/L	0.0000
S-01	03/21/89	FLUORIDE		4.30000	MG/L	0.0000
S-01	06/09/89	FLUORIDE		3.80000	MG/L	0.0000
S-01	08/31/89	FLUORIDE		4.80000	MG/L	0.0000
S-01	03/21/89	G-ALPHA		25000.0000	BQ/L	3000.00
S-01	06/09/89	G-ALPHA		22000.0000	BQ/L	1000.00
S-01	08/31/89	G-ALPHA		19000.0000	BQ/L	1000.00
S-01	12/08/88	G-ALPHA		21000.0000	BQ/L	1000.00
S-01	03/21/89	G-BETA		7300.00000	BQ/L	200.000
S-01	06/09/89	G-BETA		7900.00000	BQ/L	600.000
S-01	08/31/89	G-BETA		1400.00000	BQ/L	100.000
S-01	12/08/88	G-BETA		7300.00000	BQ/L	100.000
S-01	03/21/89	GA	<	0.30000	MG/L	0.0000
S-01	08/11/88	GA		0.48500	MG/L	0.0000
S-01	12/08/88	GA		0.92000	MG/L	0.0000
S-01	12/08/88	HG		0.00110	UG/ML	0.0000
S-01	06/09/89	HG		0.00660	UG/ML	0.0000
S-01	08/31/89	HG		0.00240	UG/ML	0.0000
S-01	12/08/88	HG		0.00110	UG/ML	0.0000
S-01	03/21/89	HG		0.00100	UG/ML	0.0000
S-01	03/21/89	LI	<	0.20000	MG/L	0.0000
S-01	06/09/89	LI	<	15.00000	MG/L	0.0000
S-01	08/11/88	LI	<	0.20000	MG/L	0.0000
S-01	08/31/89	LI	<	15.00000	MG/L	0.0000
S-01	12/08/88	LI	<	0.20000	MG/L	0.0000
S-01	03/21/89	MG	<	0.01000	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
S-01	06/09/89	MG	<	0.01000	MG/L	0.0000
S-01	08/11/88	MG	<	0.01000	MG/L	0.0000
S-01	08/31/89	MG	<	0.01000	MG/L	0.0000
S-01	12/08/88	MG		0.01000	MG/L	0.0000
S-01	03/21/89	MN		0.19000	MG/L	0.0000
S-01	06/09/89	MN		0.37000	MG/L	0.0000
S-01	08/11/88	MN		0.17600	MG/L	0.0000
S-01	08/31/89	MN		0.08800	MG/L	0.0000
S-01	12/08/88	MN		0.34000	MG/L	0.0000
S-01	03/21/89	MO	<	0.04000	MG/L	0.0000
S-01	06/09/89	MO	<	0.04000	MG/L	0.0000
S-01	08/11/88	MO	<	0.04000	MG/L	0.0000
S-01	08/31/89	MO	<	0.04000	MG/L	0.0000
S-01	12/08/88	MO	<	0.04000	MG/L	0.0000
S-01	03/21/89	NA	<	3.00000	MG/L	0.0000
S-01	06/09/89	NA	<	2.00000	MG/L	0.0000
S-01	08/11/88	NA	<	0.17000	MG/L	0.0000
S-01	08/31/89	NA	<	2.00000	MG/L	0.0000
S-01	12/08/88	NA		0.71000	MG/L	0.0000
S-01	03/21/89	NI		0.14000	MG/L	0.0000
S-01	06/09/89	NI		0.10000	MG/L	0.0000
S-01	08/11/88	NI		0.11200	MG/L	0.0000
S-01	08/31/89	NI		0.08900	MG/L	0.0000
S-01	12/08/88	NI		0.21000	MG/L	0.0000
S-01	03/21/89	NITRATE		15.00000	MG/L	0.0000
S-01	06/09/89	NITRATE		15.00000	MG/L	0.0000
S-01	08/11/88	NO3		39.00000	MG/L	0.0000
S-01	12/08/88	NO3		46.00000	MG/L	0.0000
S-01	03/21/89	P	<	0.30000	MG/L	0.0000
S-01	06/09/89	P	<	0.30000	MG/L	0.0000
S-01	08/11/88	P	<	0.30000	MG/L	0.0000
S-01	08/31/89	P	<	0.30000	MG/L	0.0000
S-01	12/08/88	P	<	0.30000	MG/L	0.0000
S-01	03/21/89	PB		0.20000	MG/L	0.0000
S-01	06/09/89	PB		0.44000	MG/L	0.0000
S-01	08/11/88	PB		0.20800	MG/L	0.0000
S-01	08/31/89	PB		0.11000	MG/L	0.0000
S-01	12/08/88	PB		0.42000	MG/L	0.0000
S-01	03/21/89	PHOSPHATE	<	5.00000	MG/L	0.0000
S-01	06/09/89	PHOSPHATE	<	5.00000	MG/L	0.0000
S-01	08/11/88	PO4	<	5.00000	MG/L	0.0000
S-01	12/08/88	PO4	<	5.00000	MG/L	0.0000
S-01	03/21/89	SB	<	0.03000	MG/L	0.0000
S-01	06/09/89	SB	<	0.04000	MG/L	0.0000
S-01	08/11/88	SB	<	0.05000	MG/L	0.0000
S-01	08/31/89	SB	<	0.04000	MG/L	0.0000
S-01	12/08/88	SB	<	0.03000	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
S-01	03/21/89	SE		0.01900	UG/ML	0.0000
S-01	06/09/89	SE		0.04300	UG/ML	0.0000
S-01	08/11/88	SE	<	0.05000	MG/L	0.0000
S-01	08/31/89	SE	<	0.08000	MG/L	0.0000
S-01	12/08/88	SE		0.01700	UG/ML	0.0000
S-01	12/08/88	SE	<	0.06000	MG/L	0.0000
S-01	12/08/88	SE		0.01700	UG/ML	0.0000
S-01	03/21/89	SI	<	0.20000	MG/L	0.0000
S-01	06/09/89	SI	<	0.20000	MG/L	0.0000
S-01	08/11/88	SI	<	0.20000	MG/L	0.0000
S-01	12/08/88	SI	<	0.20000	MG/L	0.0000
S-01	03/21/89	SN	<	0.05000	MG/L	0.0000
S-01	06/09/89	SN	<	0.05000	MG/L	0.0000
S-01	08/11/88	SN	<	0.05000	MG/L	0.0000
S-01	08/31/89	SN	<	0.05000	MG/L	0.0000
S-01	12/08/88	SN	<	0.05000	MG/L	0.0000
S-01	08/11/88	SO4		46.00000	MG/L	0.0000
S-01	12/08/88	SO4		56.00000	MG/L	0.0000
S-01	03/21/89	SR	<	0.00500	MG/L	0.0000
S-01	06/09/89	SR	<	0.00500	MG/L	0.0000
S-01	08/11/88	SR	<	0.00500	MG/L	0.0000
S-01	08/31/89	SR	<	0.00500	MG/L	0.0000
S-01	12/08/88	SR		0.00760	MG/L	0.0000
S-01	03/21/89	SULFATE		48.00000	MG/L	0.0000
S-01	06/09/89	SULFATE		7.50000	MG/L	0.0000
S-01	08/31/89	SULFATE		96.00000	MG/L	0.0000
S-01	12/08/88	TI		0.03400	MG/L	0.0000
S-01	06/09/89	TI	<	0.02000	MG/L	0.0000
S-01	08/11/88	TI	<	0.02000	MG/L	0.0000
S-01	08/31/89	TI	<	0.02000	MG/L	0.0000
S-01	03/21/89	TI	<	0.02000	MG/L	0.0000
S-01	03/21/89	TOC		6.60000	UG/ML	0.0000
S-01	06/09/89	TOC		3.70000	UG/ML	0.0000
S-01	08/31/89	TOC		19.20000	UG/ML	0.0000
S-01	12/08/88	TOC		6.70000	UG/ML	0.0000
S-01	03/21/89	TOTAL URANIUM		0.00300	MG/L	0.0000
S-01	06/09/89	TOTAL URANIUM		12.00000	MG/L	0.0000
S-01	08/11/88	TOTAL URANIUM		26.00000	MG/L	0.0000
S-01	08/31/89	TOTAL URANIUM		45.00000	MG/L	0.0000
S-01	12/08/88	TOTAL URANIUM		3.18000	MG/L	0.0000
S-01	03/21/89	TOX		60.00000	UG/L	0.0000
S-01	06/09/89	TOX		59.00000	UG/L	0.0000
S-01	08/31/89	TOX		206.00000	UG/L	0.0000
S-01	12/08/88	TOX		27.00000	UG/L	0.0000
S-01	03/21/89	TRITIUM		580.00000	BQ/L	50.0000
S-01	06/09/89	TRITIUM		680.00000	BQ/L	50.0000
S-01	08/31/89	TRITIUM		710.00000	BQ/L	60.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
S-01	12/08/88	TRITIUM		660.00000	BQ/L	70.0000
S-01	03/21/89	V		0.46000	MG/L	0.0000
S-01	06/09/89	V		0.82000	MG/L	0.0000
S-01	08/11/88	V		0.38100	MG/L	0.0000
S-01	08/31/89	V		0.22000	MG/L	0.0000
S-01	12/08/88	V		0.80000	MG/L	0.0000
S-01	03/21/89	ZN		0.22000	MG/L	0.0000
S-01	06/09/89	ZN		0.34000	MG/L	0.0000
S-01	08/11/88	ZN		0.20400	MG/L	0.0000
S-01	08/31/89	ZN		0.11000	MG/L	0.0000
S-01	12/08/88	ZN		0.40000	MG/L	0.0000
S-01	03/21/89	ZR	<	0.02000	MG/L	0.0000
S-01	06/09/89	ZR	<	0.02000	MG/L	0.0000
S-01	08/11/88	ZR	<	0.02000	MG/L	0.0000
S-01	08/31/89	ZR	<	0.02000	MG/L	0.0000
S-01	12/08/88	ZR	<	0.02000	MG/L	0.0000
fl-1(dp)	11/30/88	AG	<	0.00500	MG/L	0.0000
fl-1(dp)	11/30/88	AL		0.09900	MG/L	0.0000
fl-1(dp)	11/30/88	ALKALINITY		62.50000	MG CACO3/L	0.0000
fl-1(dp)	11/30/88	AS	<	0.01000	UG/ML	0.0000
fl-1(dp)	11/30/88	B	<	0.08000	MG/L	0.0000
fl-1(dp)	11/30/88	BA		0.04000	MG/L	0.0000
fl-1(dp)	11/30/88	BE	<	0.00030	MG/L	0.0000
fl-1(dp)	11/30/88	CA		16.00000	MG/L	0.0000
fl-1(dp)	11/30/88	CD	<	0.00200	MG/L	0.0000
fl-1(dp)	11/30/88	CL		3.40000	MG/L	0.0000
fl-1(dp)	11/30/88	CO	<	0.00300	MG/L	0.0000
fl-1(dp)	11/30/88	CR	<	0.00500	MG/L	0.0000
fl-1(dp)	11/30/88	CU	<	0.01000	MG/L	0.0000
fl-1(dp)	11/30/88	F	<	1.00000	MG/L	0.0000
fl-1(dp)	11/30/88	FE		0.02200	MG/L	0.0000
fl-1(dp)	11/30/88	G-ALPHA		0.08000	BQ/L	0.0700
fl-1(dp)	11/30/88	G-BETA		0.05000	BQ/L	0.0400
fl-1(dp)	11/30/88	GA	<	0.30000	MG/L	0.0000
fl-1(dp)	11/30/88	HG	<	0.00000	UG/ML	0.0000
fl-1(dp)	11/30/88	LI	<	0.20000	MG/L	0.0000
fl-1(dp)	11/30/88	MG		6.80000	MG/L	0.0000
fl-1(dp)	11/30/88	MN		0.00730	MG/L	0.0000
fl-1(dp)	11/30/88	MO	<	0.04000	MG/L	0.0000
fl-1(dp)	11/30/88	NA		1.20000	MG/L	0.0000
fl-1(dp)	11/30/88	NI	<	0.00500	MG/L	0.0000
fl-1(dp)	11/30/88	NO3	<	5.00000	MG/L	0.0000
fl-1(dp)	11/30/88	P	<	0.30000	MG/L	0.0000
fl-1(dp)	11/30/88	PB	<	0.05000	MG/L	0.0000
fl-1(dp)	11/30/88	PO4	<	5.00000	MG/L	0.0000
fl-1(dp)	11/30/88	SB	<	0.03000	MG/L	0.0000
fl-1(dp)	11/30/88	SE	<	0.00500	UG/ML	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-1(dp)	11/30/88	SI		3.00000	MG/L	0.0000
fl-1(dp)	11/30/88	SN	<	0.05000	MG/L	0.0000
fl-1(dp)	11/30/88	SO4	<	5.00000	MG/L	0.0000
fl-1(dp)	11/30/88	SR		0.02100	MG/L	0.0000
fl-1(dp)	11/30/88	TI	<	0.02000	MG/L	0.0000
fl-1(dp)	11/30/88	TOC		1.50000	UG/ML	0.0000
fl-1(dp)	11/30/88	TOTAL URANIUM		0.00100	MG/L	0.0000
fl-1(dp)	11/30/88	TOX	<	5.00000	UG/L	0.0000
fl-1(dp)	11/30/88	TRITIUM		52.00000	BQ/L	45.0000
fl-1(dp)	11/30/88	V		0.00710	MG/L	0.0000
fl-1(dp)	11/30/88	ZN		0.01500	MG/L	0.0000
fl-1(dp)	11/30/88	ZR	<	0.02000	MG/L	0.0000
fl-7(dp)		AG	<	0.00500	MG/L	0.0000
fl-7(dp)	03/09/89	AG	<	0.00600	MG/L	0.0000
fl-7(dp)		AL		0.13000	MG/L	0.0000
fl-7(dp)	03/09/89	AL	<	0.02000	MG/L	0.0000
fl-7(dp)	03/09/89	ALKALINITY		74.00000	MG CACO3/L	0.0000
fl-7(dp)		AS	<	0.06000	MG/L	0.0000
fl-7(dp)	03/09/89	AS	<	0.01000	UG/ML	0.0000
fl-7(dp)		B	<	0.08000	MG/L	0.0000
fl-7(dp)	03/09/89	B		0.00400	MG/L	0.0000
fl-7(dp)		BA		0.02000	MG/L	0.0000
fl-7(dp)	03/09/89	BA		0.05700	MG/L	0.0000
fl-7(dp)		BE		0.00048	MG/L	0.0000
fl-7(dp)	03/09/89	BE	<	0.00030	MG/L	0.0000
fl-7(dp)		CA		24.00000	MG/L	0.0000
fl-7(dp)	03/09/89	CA		17.70000	MG/L	0.0000
fl-7(dp)		CD	<	0.00200	MG/L	0.0000
fl-7(dp)	03/09/89	CD	<	0.00300	MG/L	0.0000
fl-7(dp)	03/09/89	CHLORIDE		1.10000	MG/L	0.0000
fl-7(dp)		CO	<	0.00300	MG/L	0.0000
fl-7(dp)	03/09/89	CO	<	0.00500	MG/L	0.0000
fl-7(dp)		CR	<	0.00500	MG/L	0.0000
fl-7(dp)	03/09/89	CR	<	0.01000	MG/L	0.0000
fl-7(dp)		CU	<	0.01000	MG/L	0.0000
fl-7(dp)	03/09/89	CU	<	0.00400	MG/L	0.0000
fl-7(dp)		FE		0.02000	MG/L	0.0000
fl-7(dp)	03/09/89	FE		0.02200	MG/L	0.0000
fl-7(dp)	03/09/89	FLUORIDE	<	1.00000	MG/L	0.0000
fl-7(dp)	03/09/89	G-ALPHA		0.07700	BQ/L	0.0650
fl-7(dp)	03/09/89	G-BETA		0.02000	BQ/L	0.1200
fl-7(dp)		GA	<	0.30000	MG/L	0.0000
fl-7(dp)	03/09/89	HG	<	0.00000	UG/ML	0.0000
fl-7(dp)		LI	<	0.20000	MG/L	0.0000
fl-7(dp)	03/09/89	LI	<	0.00400	MG/L	0.0000
fl-7(dp)		MG		15.00000	MG/L	0.0000
fl-7(dp)	03/09/89	MG		8.30000	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-7(dp)		MN		0.00220	MG/L	0.0000
fl-7(dp)	03/09/89	MN	<	0.00100	MG/L	0.0000
fl-7(dp)		MO	<	0.04000	MG/L	0.0000
fl-7(dp)	03/09/89	MO	<	0.01000	MG/L	0.0000
fl-7(dp)		NA		0.37000	MG/L	0.0000
fl-7(dp)	03/09/89	NA		0.48000	MG/L	0.0000
fl-7(dp)		NI	<	0.00500	MG/L	0.0000
fl-7(dp)	03/09/89	NI	<	0.01000	MG/L	0.0000
fl-7(dp)	03/09/89	NITRATE	<	5.00000	MG/L	0.0000
fl-7(dp)		P	<	0.30000	MG/L	0.0000
fl-7(dp)	03/09/89	P	<	0.20000	MG/L	0.0000
fl-7(dp)		PB	<	0.05000	MG/L	0.0000
fl-7(dp)	03/09/89	PB	<	0.05000	MG/L	0.0000
fl-7(dp)	03/09/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-7(dp)		SB	<	0.03000	MG/L	0.0000
fl-7(dp)	03/09/89	SB	<	0.03000	MG/L	0.0000
fl-7(dp)		SE	<	0.06000	MG/L	0.0000
fl-7(dp)	03/09/89	SE	<	0.00500	UG/ML	0.0000
fl-7(dp)		SI		3.40000	MG/L	0.0000
fl-7(dp)	03/09/89	SI		3.30000	MG/L	0.0000
fl-7(dp)		SN	<	0.05000	MG/L	0.0000
fl-7(dp)		SR		0.01000	MG/L	0.0000
fl-7(dp)	03/09/89	SR		0.00100	MG/L	0.0000
fl-7(dp)	03/09/89	SULFATE	<	5.00000	MG/L	0.0000
fl-7(dp)		TI	<	0.02000	MG/L	0.0000
fl-7(dp)	03/09/89	TI	<	0.00300	MG/L	0.0000
fl-7(dp)	03/09/89	TOC	<	0.50000	UG/ML	0.0000
fl-7(dp)	03/09/89	TOTAL URANIUM	<	0.00100	MG/L	0.0000
fl-7(dp)	03/09/89	TOX	<	5.00000	UG/L	0.0000
fl-7(dp)	03/09/89	TRITIUM		14.00000	BQ/L	32.0000
fl-7(dp)		V		0.01100	MG/L	0.0000
fl-7(dp)	03/09/89	V	<	0.00400	MG/L	0.0000
fl-7(dp)		ZN	<	0.00800	MG/L	0.0000
fl-7(dp)	03/09/89	ZN		0.00800	MG/L	0.0000
fl-7(dp)		ZR	<	0.02000	MG/L	0.0000
fl-7(dp)	03/09/89	ZR	<	0.00500	MG/L	0.0000
fl-7(sp)		AG		0.05200	MG/L	0.0000
fl-7(sp)		AL		2.00000	MG/L	0.0000
fl-7(sp)		AS		0.50000	MG/L	0.0000
fl-7(sp)		B	<	0.08000	MG/L	0.0000
fl-7(sp)		BA		1.90000	MG/L	0.0000
fl-7(sp)		BE		0.04800	MG/L	0.0000
fl-7(sp)		CA		24.00000	MG/L	0.0000
fl-7(sp)		CD		0.04200	MG/L	0.0000
fl-7(sp)		CO		0.46000	MG/L	0.0000
fl-7(sp)		CR		0.19000	MG/L	0.0000
fl-7(sp)		CU		0.25000	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-7(sp)		FE		0.92000	MG/L	0.0000
fl-7(sp)		GA	<	0.30000	MG/L	0.0000
fl-7(sp)		LI	<	0.20000	MG/L	0.0000
fl-7(sp)		MG		14.00000	MG/L	0.0000
fl-7(sp)		MN		0.41000	MG/L	0.0000
fl-7(sp)		MO	<	0.04000	MG/L	0.0000
fl-7(sp)		NA		0.35000	MG/L	0.0000
fl-7(sp)		NI		0.46000	MG/L	0.0000
fl-7(sp)		P	<	0.30000	MG/L	0.0000
fl-7(sp)		PB		0.51000	MG/L	0.0000
fl-7(sp)		SB		0.43000	MG/L	0.0000
fl-7(sp)		SE		0.51000	MG/L	0.0000
fl-7(sp)		SI		3.30000	MG/L	0.0000
fl-7(sp)		SN	<	0.05000	MG/L	0.0000
fl-7(sp)		SR		0.01100	MG/L	0.0000
fl-7(sp)		TI	<	0.02000	MG/L	0.0000
fl-7(sp)		V		0.47000	MG/L	0.0000
fl-7(sp)		ZN		0.45000	MG/L	0.0000
fl-7(sp)		ZR	<	0.02000	MG/L	0.0000
spkt		AG		0.05000	MG/L	0.0000
spkt		AL		2.00000	MG/L	0.0000
spkt		AS		5.00000	MG/L	0.0000
spkt		BA		2.00000	MG/L	0.0000
spkt		BE		500.00000	MG/L	0.0000
spkt		CD		0.05000	MG/L	0.0000
spkt		CO		5.00000	MG/L	0.0000
spkt		CR		0.20000	MG/L	0.0000
spkt		CU		0.25000	MG/L	0.0000
spkt		FE		1.00000	MG/L	0.0000
spkt		MN		5.00000	MG/L	0.0000
spkt		NI		5.00000	MG/L	0.0000
spkt		PB		5.00000	MG/L	0.0000
spkt		SB		5.00000	MG/L	0.0000
spkt		SE		5.00000	MG/L	0.0000
spkt		V		5.00000	MG/L	0.0000
spkt		ZN		5.00000	MG/L	0.0000
1126(dp)	06/06/89	AG	<	0.00500	MG/L	0.0000
1126(dp)	06/06/89	AL	<	2.00000	MG/L	0.0000
1126(dp)	06/06/89	ALKALINITY		117.50000	MG CACO3/L	0.0000
1126(dp)	06/06/89	AS	<	0.01000	UG/ML	0.0000
1126(dp)	06/06/89	B	<	0.08000	MG/L	0.0000
1126(dp)	06/06/89	BA		0.15000	MG/L	0.0000
1126(dp)	06/06/89	BE		0.03000	MG/L	0.0000
1126(dp)	06/06/89	CA		38.00000	MG/L	0.0000
1126(dp)	06/06/89	CD		0.01000	MG/L	0.0000
1126(dp)	06/06/89	CHLORIDE		1.00000	MG/L	0.0000
1126(dp)	06/06/89	CO	<	0.00300	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
1126(dp)	06/06/89	CR		0.01700	MG/L	0.0000
1126(dp)	06/06/89	CU	<	0.01000	MG/L	0.0000
1126(dp)	06/06/89	FE		0.23000	MG/L	0.0000
1126(dp)	06/06/89	FLUORIDE	<	1.00000	MG/L	0.0000
1126(dp)	06/06/89	G-ALPHA		0.00900	BQ/L	0.0340
1126(dp)	06/06/89	G-BETA		0.06000	BQ/L	0.1300
1126(dp)	06/06/89	HG	<	0.00000	UG/ML	0.0000
1126(dp)	06/06/89	LI	<	15.00000	MG/L	0.0000
1126(dp)	06/06/89	MG		3.70000	MG/L	0.0000
1126(dp)	06/06/89	MN		0.01100	MG/L	0.0000
1126(dp)	06/06/89	MO	<	0.04000	MG/L	0.0000
1126(dp)	06/06/89	NA	<	2.00000	MG/L	0.0000
1126(dp)	06/06/89	NI	<	0.00600	MG/L	0.0000
1126(dp)	06/06/89	NITRATE	<	5.00000	MG/L	0.0000
1126(dp)	06/06/89	P	<	0.30000	MG/L	0.0000
1126(dp)	06/06/89	PB	<	0.03000	MG/L	0.0000
1126(dp)	06/06/89	PHOSPHATE	<	5.00000	MG/L	0.0000
1126(dp)	06/06/89	SB	<	0.04000	MG/L	0.0000
1126(dp)	06/06/89	SE	<	0.00500	UG/ML	0.0000
1126(dp)	06/06/89	SI		6.40000	MG/L	0.0000
1126(dp)	06/06/89	SN	<	0.05000	MG/L	0.0000
1126(dp)	06/06/89	SR		0.06800	MG/L	0.0000
1126(dp)	06/06/89	SULFATE	<	5.00000	MG/L	0.0000
1126(dp)	06/06/89	TI	<	0.02000	MG/L	0.0000
1126(dp)	06/06/89	TOC	<	0.50000	UG/ML	0.0000
1126(dp)	06/06/89	TOTAL URANIUM	<	0.00050	MG/L	0.0000
1126(dp)	06/06/89	TOX		6.00000	UG/L	0.0000
1126(dp)	06/06/89	TRITIUM		33.00000	BQ/L	0.3000
1126(dp)	06/06/89	TRITIUM		33.00000	BQ/L	30.0000
1126(dp)	06/06/89	V	<	0.00400	MG/L	0.0000
1126(dp)	06/06/89	ZN		0.01500	MG/L	0.0000
1126(dp)	06/06/89	ZR	<	0.02000	MG/L	0.0000
fl-272bk	05/25/89	AS	<	0.01000	UG/ML	0.0000
fl-272bk	05/25/89	G-ALPHA		0.01700	BQ/L	0.0200
fl-272bk	05/25/89	G-BETA		0.05000	BQ/L	0.0500
fl-272bk	05/25/89	HG	<	0.00000	UG/ML	0.0000
fl-272bk	05/25/89	NO3	<	5.00000	UG/ML	0.0000
fl-272bk	05/25/89	PO4	<	5.00000	UG/ML	0.0000
fl-272bk	05/25/89	SE	<	0.00500	UG/ML	0.0000
fl-272bk	05/25/89	TOC	<	0.50000	UG/ML	0.0000
fl-272bk	05/25/89	TRITIUM		8.00000	BQ/L	30.0000
fl-B01	08/28/89	AS	<	0.01000	UG/ML	0.0000
fl-B01	08/28/89	G-ALPHA		0.07000	BQ/L	0.5200
fl-B01	08/28/89	G-BETA		-0.20000	BQ/L	2.0000
fl-B01	08/28/89	HG	<	0.00000	UG/ML	0.0000
fl-B01	08/28/89	SE	<	0.00500	UG/ML	0.0000
fl-B01	08/28/89	TOC	<	0.50000	UG/ML	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-B01	08/28/89	TRITIUM		3.60000	BQ/L	28.0000
fl-S01	06/09/89	AG		0.03300	MG/L	0.0000
fl-S01	08/31/89	AG	<	0.00500	MG/L	0.0000
fl-S01	06/09/89	AL	<	2.00000	MG/L	0.0000
fl-S01	08/31/89	AL		0.41000	MG/L	0.0000
fl-S01	06/09/89	ALKALINITY		21.00000	MG CACO3/L	0.0000
fl-S01	08/31/89	ALKALINITY		31.00000	MG CACO3/L	0.0000
fl-S01	06/09/89	AS		0.19000	UG/ML	0.0000
fl-S01	08/31/89	AS		0.09200	MG/L	0.0000
fl-S01	06/09/89	B	<	0.08000	MG/L	0.0000
fl-S01	08/31/89	B	<	0.08000	MG/L	0.0000
fl-S01	06/09/89	BA		0.03000	MG/L	0.0000
fl-S01	08/31/89	BA		0.02600	MG/L	0.0000
fl-S01	06/09/89	BE		0.23000	MG/L	0.0000
fl-S01	08/31/89	BE		0.09100	MG/L	0.0000
fl-S01	06/09/89	CA	<	0.06000	MG/L	0.0000
fl-S01	08/31/89	CA	<	0.05000	MG/L	0.0000
fl-S01	06/09/89	CD		0.02300	MG/L	0.0000
fl-S01	08/31/89	CD		0.02200	MG/L	0.0000
fl-S01	06/09/89	CHLORIDE		20.00000	MG/L	0.0000
fl-S01	08/31/89	CHLORIDE		86.00000	MG/L	0.0000
fl-S01	06/09/89	CO		0.20000	MG/L	0.0000
fl-S01	08/31/89	CO		0.09100	MG/L	0.0000
fl-S01	06/09/89	CR		0.26000	MG/L	0.0000
fl-S01	08/31/89	CR		0.08100	MG/L	0.0000
fl-S01	06/09/89	CU		0.42000	MG/L	0.0000
fl-S01	08/31/89	CU		0.08400	MG/L	0.0000
fl-S01	06/09/89	FE		0.78000	MG/L	0.0000
fl-S01	08/31/89	FE		0.08900	MG/L	0.0000
fl-S01	06/09/89	FLUORIDE		3.80000	MG/L	0.0000
fl-S01	08/31/89	FLUORIDE		5.00000	MG/L	0.0000
fl-S01	06/09/89	G-ALPHA		20000.0000	BQ/L	1000.00
fl-S01	08/31/89	G-ALPHA		24000.0000	BQ/L	1000.00
fl-S01	06/09/89	G-BETA		7600.00000	BQ/L	600.000
fl-S01	08/31/89	G-BETA		1300.00000	BQ/L	100.000
fl-S01	06/09/89	HG		0.00700	UG/ML	0.0000
fl-S01	08/31/89	HG		0.00240	UG/ML	0.0000
fl-S01	06/09/89	LI	<	15.00000	MG/L	0.0000
fl-S01	08/31/89	LI	<	15.00000	MG/L	0.0000
fl-S01	06/09/89	MG	<	0.01000	MG/L	0.0000
fl-S01	08/31/89	MG	<	0.01000	MG/L	0.0000
fl-S01	06/09/89	MN		0.38000	MG/L	0.0000
fl-S01	08/31/89	MN		0.09400	MG/L	0.0000
fl-S01	06/09/89	MO	<	0.04000	MG/L	0.0000
fl-S01	08/31/89	MO	<	0.04000	MG/L	0.0000
fl-S01	06/09/89	NA	<	2.00000	MG/L	0.0000
fl-S01	08/31/89	NA	<	2.00000	MG/L	0.0000

Table A.1 (continued)

Station	Date	Analyte	QL*	Analysis	Units	Uncer.**
fl-S01	06/09/89	NI		0.11000	MG/L	0.0000
fl-S01	08/31/89	NI		0.09700	MG/L	0.0000
fl-S01	06/09/89	NITRATE		15.00000	MG/L	0.0000
fl-S01	06/09/89	P	<	0.30000	MG/L	0.0000
fl-S01	08/31/89	P	<	0.30000	MG/L	0.0000
fl-S01	06/09/89	PB		0.48000	MG/L	0.0000
fl-S01	08/31/89	PB		0.13000	MG/L	0.0000
fl-S01	06/09/89	PHOSPHATE	<	5.00000	MG/L	0.0000
fl-S01	06/09/89	SB	<	0.04000	MG/L	0.0000
fl-S01	08/31/89	SB	<	0.04000	MG/L	0.0000
fl-S01	06/09/89	SE		0.04300	UG/ML	0.0000
fl-S01	08/31/89	SE	<	0.08000	MG/L	0.0000
fl-S01	08/31/89	SE		0.01500	UG/ML	0.0000
fl-S01	06/09/89	SI	<	0.20000	MG/L	0.0000
fl-S01	06/09/89	SN	<	0.05000	MG/L	0.0000
fl-S01	08/31/89	SN	<	0.05000	MG/L	0.0000
fl-S01	06/09/89	SR	<	0.00500	MG/L	0.0000
fl-S01	08/31/89	SR	<	0.00500	MG/L	0.0000
fl-S01	06/09/89	SULFATE		7.20000	MG/L	0.0000
fl-S01	08/31/89	SULFATE		86.00000	MG/L	0.0000
fl-S01	06/09/89	TI	<	0.02000	MG/L	0.0000
fl-S01	08/31/89	TI	<	0.02000	MG/L	0.0000
fl-S01	06/09/89	TOC		3.60000	UG/ML	0.0000
fl-S01	08/31/89	TOC		18.90000	UG/ML	0.0000
fl-S01	06/09/89	TOTAL URANIUM		24.00000	MG/L	0.0000
fl-S01	08/31/89	TOTAL URANIUM		47.00000	MG/L	0.0000
fl-S01	06/09/89	TOX		46.00000	UG/L	0.0000
fl-S01	08/31/89	TOX		211.00000	UG/L	0.0000
fl-S01	06/09/89	TRITIUM		650.00000	BQ/L	50.0000
fl-S01	08/31/89	TRITIUM		790.00000	BQ/L	60.0000
fl-S01	06/09/89	V		0.86000	MG/L	0.0000
fl-S01	08/31/89	V		0.24000	MG/L	0.0000
fl-S01	06/09/89	ZN		0.36000	MG/L	0.0000
fl-S01	08/31/89	ZN		0.13000	MG/L	0.0000
fl-S01	06/09/89	ZR	<	0.02000	MG/L	0.0000
fl-S01	08/31/89	ZR	<	0.02000	MG/L	0.0000

*Explanation of data qualifiers (QL): "U" indicates compound was analyzed for but not detected. "J" indicates that the quantitative value is estimated. "B" appears for a compound that was detected in both the sample and its associated blank. "E" indicates that the reported concentration of the compound exceeded the calibration range of the instrument.

**The uncertainty value was determined only for the radiological parameters and is a measure of decay counting statistics for the analyses.

Table A.2. **Listing of quality control data for the groundwater program**

The tabular information on the following pages was provided by the Analytical Chemistry Division.

KETELLE/HOLLADAY/TEASLEY/OWENBY
NOVEMBER 1, 1989

---------- SAMPLING DATE=05JAN88 CUSTOMER ID=WELL S-01 ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
1	ALUMINUM	MG/L	0.364	0.360	99	-1
2	ARSENIC(AA)	UG/ML	0.053	0.053	100	0
3	BERYLLIUM	MG/L	0.118	0.110	93	-7
4	CADMIUM	MG/L	0.020	0.013	65	-35
5	CHLORIDE	MG/L	44.900	51.000	114	14
6	CHROMIUM	MG/L	0.130	0.130	100	0
7	COBALT	MG/L	0.130	0.130	100	0
8	COPPER	MG/L	0.170	0.180	106	6
9	FLUORIDE	MG/L	9.810	10.000	102	2
10	GROSS BETA	BQ/L	44.560	48.000	108	8
11	IRON	MG/L	0.398	0.390	98	-2
12	LEAD	MG/L	0.218	0.230	106	6
13	MANGANESE	MG/L	0.174	0.170	98	-2
14	MERCURY(AA)	UG/ML	0.001	0.001	69	-31
15	NICKEL	MG/L	0.104	0.110	106	6
16	NITRATE	MG/L	35.800	40.000	112	12
17	SELENIUM(AA)	UG/ML	0.022	0.019	86	-14
18	STRONTIUM 90	BQ/L	22.280	24.000	108	8
19	SULFATE	MG/L	49.400	47.000	95	-5
20	TOTAL ALKALINITY	MG/L	39.300	39.000	99	-1
21	URANIUM	MG/L	12.866	0.001	0	***
22	VANADIUM	MG/L	0.423	0.370	87	-13
23	ZINC	MG/L	0.209	0.200	96	-4

---------- SAMPLING DATE=11MAY88 CUSTOMER ID=WELL S-01 ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
24	1,1,2,2-TETRACHLOROETHANE	UG/L	63.200	48.000	76	-24
25	1,1-DICHLOROETHENE	UG/L	26.000	28.000	108	8
26	1,2-DICHLOROETHANE	UG/L	31.200	29.000	93	-7
27	1,2-DICHLOROETHENE(TOTAL)	UG/L	69.000	69.000	100	0
28	1,2-DICHLOROPROPANE	UG/L	50.000	46.000	92	-8
29	ALUMINUM	MG/L	0.556	0.440	79	-21
30	ARSENIC(AA)	UG/ML	0.044	.	.	.
31	BERYLLIUM	MG/L	0.111	0.100	90	-10
32	CADMIUM	MG/L	0.028	0.011	39	-61
33	CARBON TETRACHLORIDE	UG/L	33.200	28.000	84	-16
34	CHLORIDE	MG/L	56.100	53.000	94	-6
35	CHLOROBENZENE	UG/L	50.500	45.000	89	-11
36	CHROMIUM	MG/L	0.111	0.120	108	8
37	COBALT	MG/L	0.111	0.096	86	-14
38	COPPER	MG/L	0.111	0.130	117	17
39	DIBROMOCHLOROMETHANE	UG/L	37.000	30.000	81	-19
40	FLUORIDE	MG/L	16.700	15.000	90	-10
41	GROSS BETA	BQ/L	939.000	800.000	85	-15
42	IRON	MG/L	0.111	0.096	86	-14
43	LEAD	MG/L	0.111	0.110	99	-1
44	MANGANESE	MG/L	0.111	0.110	99	-1
45	MERCURY(AA)	UG/ML	0.002	.	.	.
46	METHYLENE CHLORIDE	UG/L	50.000	53.000	106	6

---------- SAMPLING DATE=11MAY88 CUSTOMER ID=WELL S-01 ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
47	NICKEL	MG/L	0.111	0.110	99	-1
48	NITRATE	MG/L	22.000	26.000	118	18
49	SELENIUM(AA)	UG/ML	0.011	.	.	.
50	STRONTIUM 90	BQ/L	469.000	390.000	83	-17
51	SULFATE	MG/L	21.600	22.000	102	2
52	TOTAL ALKALINITY	MG/L	29.400	27.500	94	-6
53	TRICHLOROETHENE	UG/L	62.000	57.000	92	-8
54	TRITIUM	BQ/L	443.000	450.000	102	2
55	URANIUM	MG/L	28.590	0.250	1	-99
56	VANADIUM	MG/L	0.278	0.230	83	-17
57	ZINC	MG/L	0.111	0.089	80	-20

---------- SAMPLING DATE=24MAY88 CUSTOMER ID=WELL S-01 ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
58	1,1,2,2-TETRACHLOROETHANE	UG/L	126.500	120.000	95	-5
59	1,1-DICHLOROETHENE	UG/L	52.000	46.000	88	-12
60	1,2-DICHLOROETHANE	UG/L	62.500	61.000	98	-2
61	1,2-DICHLOROETHENE(TOTAL)	UG/L	138.000	120.000	87	-13
62	1,2-DICHLOROPROPANE	UG/L	100.000	100.000	100	0
63	ALUMINUM	MG/L	0.400	0.390	98	-2
64	ARSENIC(AA)	UG/ML	0.053	0.050	94	-6
65	BERYLLIUM	MG/L	0.129	0.120	93	-7
66	CADMIUM	MG/L	0.021	0.020	95	-5
67	CARBON TETRACHLORIDE	UG/L	66.500	58.000	87	-13
68	CHLORIDE	MG/L	44.800	47.000	105	5
69	CHLOROBENZENE	UG/L	101.000	87.000	86	-14
70	CHROMIUM	MG/L	0.143	0.130	91	-9
71	COBALT	MG/L	0.143	0.130	91	-9
72	COPPER	MG/L	0.186	0.170	91	-9
73	DIBROMOCHLOROMETHANE	UG/L	74.000	78.000	105	5
74	FLUORIDE	MG/L	12.240	14.000	114	14
75	GROSS BETA	BQ/L	1408.000	1200.000	85	-15
76	IRON	MG/L	0.438	0.400	91	-9
77	LEAD	MG/L	0.239	0.230	96	-4
78	MANGANESE	MG/L	0.191	0.170	89	-11
79	MERCURY(AA)	UG/ML	0.001	0.001	77	-23
80	METHYLENE CHLORIDE	UG/L	100.000	99.000	99	-1
81	NICKEL	MG/L	0.114	0.110	96	-4
82	NITRATE	MG/L	38.400	49.000	128	28
83	SELENIUM(AA)	UG/ML	0.022	0.019	86	-14
84	STRONTIUM 90	BQ/L	704.000	630.000	89	-11
85	SULFATE	MG/L	49.300	45.000	91	-9
86	TOTAL ALKALINITY	MG/L	39.200	38.800	99	-1
87	TRICHLOROETHENE	UG/L	124.000	140.000	113	13
88	TRITIUM	BQ/L	662.000	640.000	97	-3
89	URANIUM	MG/L	28.400	28.700	101	1
90	VANADIUM	MG/L	0.465	0.410	88	-12
91	ZINC	MG/L	0.230	0.220	96	-4

---------- SAMPLING DATE=11AUG88 CUSTOMER ID=WELL S-01 ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
92	1,1,2,2-TETRACHLOROETHANE	UG/L	126.500	132.000	104	4
93	1,1-DICHLOROETHENE	UG/L	52.000	56.000	108	8
94	1,2-DICHLOROETHANE	UG/L	62.500	62.000	99	-1
95	1,2-DICHLOROETHENE(TOTAL)	UG/L	138.000	134.000	97	-3
6	1,2-DICHLOROPROPANE	UG/L	100.000	99.000	99	-1
97	ALUMINUM	MG/L	0.400	0.329	82	-18
98	ARSENIC	MG/L	0.129	0.118	91	-9
99	ARSENIC(AA)	UG/ML	0.053	0.050	94	-6
100	BERYLLIUM	MG/L	0.129	0.115	89	-11
101	CADMIUM	MG/L	0.021	0.006	29	-71
102	CARBON TETRACHLORIDE	UG/L	66.500	65.000	98	-2
103	CHLORIDE	MG/L	44.800	47.000	105	5
104	CHLOROBENZENE	UG/L	101.000	77.000	76	-24
105	CHROMIUM	MG/L	0.143	0.141	99	-1
106	COBALT	MG/L	0.143	0.119	83	-17
107	COPPER	MG/L	0.186	0.215	116	16
108	DIBROMOCHLOROMETHANE	UG/L	74.000	77.000	104	4
109	FLUORIDE	MG/L	12.240	12.000	98	-2
110	GROSS BETA	BQ/L	1402.000	1500.000	107	7
111	IRON	MG/L	0.438	0.377	86	-14
112	LEAD	MG/L	0.239	0.208	87	-13
113	MANGANESE	MG/L	0.191	0.176	92	-8
114	MERCURY(AA)	UG/ML	0.001	0.001	100	0
115	METHYLENE CHLORIDE	UG/L	100.000	121.000	121	21
116	NICKEL	MG/L	0.114	0.112	98	-2
117	NITRATE	MG/L	34.000	39.000	115	15
118	SELENIUM(AA)	UG/ML	0.022	0.019	86	-14
119	STRONTIUM 90	BQ/L	701.000	775.000	111	11
120	SULFATE	MG/L	49.300	46.000	93	-7
121	TOTAL ALKALINITY	MG/L	39.200	37.000	94	-6
122	TRICHLOROETHENE	UG/L	124.000	121.000	98	-2
123	TRITIUM	BQ/L	654.000	610.000	93	-7
124	URANIUM	MG/L	28.200	26.000	92	-8
125	VANADIUM	MG/L	0.465	0.381	82	-18
126	ZINC	MG/L	0.230	0.204	89	-11

---------- SAMPLING DATE=08DEC88 CUSTOMER ID=WELL S-01 ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
127	TOX	UG/L	42.000	27.000	64	-36

---------- SAMPLING DATE=08DEC88 CUSTOMER ID=WELL S-01B ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
128	TOC	UG/L	12.400	6.700	54	-46

---------- SAMPLING DATE=08DEC88 CUSTOMER ID=WELL S-01D ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
129	CHLORIDE	MG/L	44.800	47.000	105	5
130	FLUORIDE	MG/L	12.840	9.800	76	-24
131	NITRATE	MG/L	35.700	46.000	129	29
132	SULFATE	MG/L	49.300	56.000	114	14
133	TOTAL ALKALINITY	MG/L	39.300	25.000	64	-36

---------- SAMPLING DATE=08DEC88 CUSTOMER ID=WELL S-01E ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
134	ALUMINUM	MG/L	0.728	0.670	92	-8
135	ARSENIC	MG/L	0.234	0.240	103	3
136	BERYLLIUM	MG/L	0.234	0.220	94	-6
137	CADMIUM	MG/L	0.039	0.009	22	-78
138	CHROMIUM	MG/L	0.260	0.290	112	12
139	COBALT	MG/L	0.260	0.240	92	-8
140	COPPER	MG/L	0.338	0.410	121	21
141	IRON	MG/L	0.795	0.790	99	-1
142	LEAD	MG/L	0.434	0.420	97	-3
143	MANGANESE	MG/L	0.347	0.340	98	-2
144	NICKEL	MG/L	0.206	0.210	102	2
145	URANIUM	MG/L	51.400	3.180	6	-94
146	VANADIUM	MG/L	0.844	0.800	95	-5
147	ZINC	MG/L	0.417	0.400	96	-4

---------- SAMPLING DATE=08DEC88 CUSTOMER ID=WELL S-01F ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
148	ARSENIC(AA)	UG/ML	0.053	0.050	94	-6
149	MERCURY(AA)	UG/ML	0.001	0.001	85	-15
150	SELENIUM(AA)	UG/ML	0.022	0.017	77	-23

---------- SAMPLING DATE=08DEC88 CUSTOMER ID=WELL S-01G ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
151	GROSS ALPHA	BQ/L	23090.000	21000.000	91	-9
152	GROSS BETA	BQ/L	1329.000	7300.000	549	449

---------- SAMPLING DATE=08DEC88 CUSTOMER ID=WELL S-01H ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
153	TRITIUM	BQ/L	643.000	660.000	103	3

---------- SAMPLING DATE=21MAR89 CUSTOMER ID=WELL S-01B ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
154	TOC	UG/L	12.400	6.600	53	-47

---------- SAMPLING DATE=21MAR89 CUSTOMER ID=WELL S-01C ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
155	TOX	UG/L	42.000	60.000	143	43

---------- SAMPLING DATE=21MAR89 CUSTOMER ID=WELL S-01D ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
156	CHLORIDE	MG/L	42.600	24.000	56	-44
157	FLUORIDE	MG/L	4.080	4.300	105	5
158	NITRATE	MG/L	12.960	15.000	116	16
159	SULFATE	MG/L	46.900	48.000	102	2
160	TOTAL ALKALINITY	MG/L	37.400	28.800	77	-23

---------- SAMPLING DATE=21MAR89 CUSTOMER ID=WELL S-01E ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
161	ALUMINUM	MG/L	0.400	0.380	95	-5
162	ARSENIC	MG/L	0.129	0.110	85	-15
163	BERYLLIUM	MG/L	0.129	0.140	109	9
164	CADMIUM	MG/L	0.021	0.019	90	-10
165	CHROMIUM	MG/L	0.143	0.170	119	19
166	COBALT	MG/L	0.143	0.130	91	-9
167	COPPER	MG/L	0.186	0.200	108	8
168	IRON	MG/L	0.437	0.450	103	3
169	LEAD	MG/L	0.239	0.200	84	-16
170	MANGANESE	MG/L	0.191	0.190	99	-1
171	NICKEL	MG/L	0.114	0.140	123	23
172	URANIUM	MG/L	23.100	16.300	71	-29
173	VANADIUM	MG/L	0.464	0.460	99	-1
174	ZINC	MG/L	0.229	0.220	96	-4

---------- SAMPLING DATE=21MAR89 CUSTOMER ID=WELL S-01F ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
175	ARSENIC(AA)	UG/ML	0.053	0.050	94	-6
176	MERCURY(AA)	UG/ML	0.001	0.001	100	0
177	SELENIUM(AA)	UG/ML	0.022	0.019	86	-14

---------- SAMPLING DATE=21MAR89 CUSTOMER ID=WELL S-01G ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
178	GROSS ALPHA	BQ/L	23080.000	25000.000	108	8
179	GROSS BETA	BQ/L	1320.000	7300.000	553	453

---------- SAMPLING DATE=21MAR89 CUSTOMER ID=WELL S-01H ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
180	TRITIUM	BQ/L	633.000	580.000	92	-8

---------- SAMPLING DATE=09JUN89 CUSTOMER ID=FLUME S-01B ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
181	TOC	UG/L	12.650	3.600	28	-72

---------- SAMPLING DATE=09JUN89 CUSTOMER ID=FLUME S-01C ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
182	TOX	UG/L	42.900	46.000	107	7

---------- SAMPLING DATE=09JUN89 CUSTOMER ID=FLUME S-01D ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
183	CHLORIDE	MG/L	17.800	20.000	112	12
184	FLUORIDE	MG/L	3.860	3.800	98	-2
185	NITRATE	MG/L	12.960	15.000	116	16
186	SULFATE	MG/L	7.200	7.200	100	0
187	TOTAL ALKALINITY	MG/L	21.700	21.000	97	-3

---------- SAMPLING DATE=09JUN89 CUSTOMER ID=FLUME S-01E ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
188	ALUMINUM	MG/L	0.729	0.000	0	***
189	ARSENIC	MG/L	0.235	0.260	111	11
190	BERYLLIUM	MG/L	0.235	0.230	98	-2
191	CADMIUM	MG/L	0.039	0.023	59	-41
192	CHROMIUM	MG/L	0.261	0.260	100	-0
193	COBALT	MG/L	0.261	0.200	77	-23
194	COPPER	MG/L	0.339	0.420	124	24
195	IRON	MG/L	0.797	0.780	98	-2
196	LEAD	MG/L	0.435	0.480	110	10
197	MANGANESE	MG/L	0.348	0.380	109	9
198	NICKEL	MG/L	0.207	0.110	53	-47
199	URANIUM	MG/L	42.100	24.000	57	-43

SAMPLING DATE=09JUN89 CUSTOMER ID=FLUME S-01E

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
200	VANADIUM	MG/L	0.846	0.860	102	2
201	ZINC	MG/L	0.418	0.360	86	-14

SAMPLING DATE=09JUN89 CUSTOMER ID=FLUME S-01F

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
202	ARSENIC(AA)	UG/ML	0.200	0.190	95	-5
203	MERCURY(AA)	UG/ML	0.010	0.007	70	-30
204	SELENIUM(AA)	UG/ML	0.050	0.043	86	-14

SAMPLING DATE=09JUN89 CUSTOMER ID=FLUME S-01G

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
205	GROSS ALPHA	BQ/L	23194.000	20000.000	86	-14
206	GROSS BETA	BQ/L	1320.000	7600.000	576	476

SAMPLING DATE=09JUN89 CUSTOMER ID=FLUME S-01H

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
207	TRITIUM	BQ/L	752.000	650.000	86	-14

SAMPLING DATE=09JUN89 CUSTOMER ID=WELL S-01B

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
208	TOC	MG/L	12.650	3.700	29	-71

SAMPLING DATE=09JUN89 CUSTOMER ID=WELL S-01C

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
209	TOX	UG/L	42.900	59.000	138	38

SAMPLING DATE=09JUN89 CUSTOMER ID=WELL S-01D

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
210	CHLORIDE	MG/L	17.300	20.000	112	12
211	FLUORIDE	MG/L	3.860	3.800	98	-2
212	NITRATE	MG/L	12.960	15.000	116	16
213	SULFATE	MG/L	7.200	7.500	104	4
214	TOTAL ALKALINITY	MG/L	21.700	19.800	91	-9

---------- SAMPLING DATE=09JUN89 CUSTOMER ID=WELL S-01E ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
215	ALUMINUM	MG/L	0.729	0.000	0	***
216	ARSENIC	MG/L	0.235	0.250	106	6
217	BERYLLIUM	MG/L	0.235	0.220	94	-6
218	CADMIUM	MG/L	0.039	.	.	.
219	CHROMIUM	MG/L	0.261	0.250	96	-4
220	COBALT	MG/L	0.261	0.190	73	-27
221	COPPER	MG/L	0.339	0.410	121	21
222	IRON	MG/L	0.797	0.750	94	-6
223	LEAD	MG/L	0.435	0.440	101	1
224	MANGANESE	MG/L	0.348	0.370	106	6
225	NICKEL	MG/L	0.207	0.100	48	-52
226	URANIUM	MG/L	42.100	12.000	29	-71
227	VANADIUM	MG/L	0.846	0.820	97	-3
228	ZINC	MG/L	0.418	0.340	81	-19

---------- SAMPLING DATE=09JUN89 CUSTOMER ID=WELL S-01F ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
229	ARSENIC(AA)	UG/ML	0.200	0.200	100	0
230	MERCURY(AA)	UG/ML	0.010	0.007	66	-34
231	SELENIUM(AA)	UG/ML	0.050	0.043	86	-14

---------- SAMPLING DATE=09JUN89 CUSTOMER ID=WELL S-01G ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
232	GROSS ALPHA	BQ/L	23194.000	22000.000	95	-5
233	GROSS BETA	BQ/L	1320.000	7900.000	598	498

---------- SAMPLING DATE=09JUN89 CUSTOMER ID=WELL S-01H ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
234	TRITIUM	BQ/L	752.000	680.000	90	-10

---------- SAMPLING DATE=15AUG89 CUSTOMER ID=SPKT-S-A ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
235	CHLORIDE	MG/L	72.700	74.000	102	2
236	FLUORIDE	MG/L	4.250	4.200	99	-1
237	NITRATE	MG/L	10.370	12.000	116	16
238	SULFATE	MG/L	85.800	86.000	100	0

---------- SAMPLING DATE=15AUG89 CUSTOMER ID=SPKT-S-B ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
239	ARSENIC	MG/L	0.000	0.000	.	.
240	BARIUM	MG/L	0.000	0.000	.	.
241	CADMIUM	MG/L	0.000	0.000	.	.
242	CHROMIUM	MG/L	0.000	0.000	.	.
243	LEAD	MG/L	0.000	0.031	.	.
244	MERCURY(AA)	UG/L	0.000	0.000	.	.
245	SELENIUM	MG/L	0.000	0.000	.	.
246	SILVER	MG/L	0.000	0.000	.	.

---------- SAMPLING DATE=15AUG89 CUSTOMER ID=SPKT-S-C ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
247	ALDRIN	UG/L	2.000	1.660	83	-17
248	DDD	UG/L	10.000	10.890	109	9
249	DDE	UG/L	2.000	0.000	0	***
250	DDT	UG/L	10.000	7.370	74	-26
251	DIELDRIN	UG/L	2.000	3.290	165	64
252	HEPTACHLOR	UG/L	2.000	1.120	56	-44

---------- SAMPLING DATE=15AUG89 CUSTOMER ID=SPKT-S-D ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
253	GROSS ALPHA	BQ/L	23238.000	25000.000	108	8
254	GROSS BETA	BQ/L	1314.000	7700.000	586	486
255	TOTAL-SR	BQ/L	657.000	630.000	96	-4

---------- SAMPLING DATE=15AUG89 CUSTOMER ID=SPKT-S-E ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
256	CO-60	BQ/L	13.500	0.050	0	***
257	CS-137	BQ/L	11.400	-0.020	-0	***

---------- SAMPLING DATE=15AUG89 CUSTOMER ID=SPKT-S-F ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
258	TRITIUM	BQ/L	456.000	500.000	110	10

---------- SAMPLING DATE=15AUG89 CUSTOMER ID=SPKT-S-G ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
259	RA-226	BQ/L	249.000	220.000	88	-12
260	RA-228	BQ/L	0.000	0.490	.	.

QUALITY CONTROL DATA FOR THE GROUNDWATER PROGRAM 15:29 WEDNESDAY, NOVEMBER 1, 1989 10
KETELLE/HOLLADAY/TEASLEY/OWENBY
NOVEMBER 1, 1989

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=FLUME S-01 2B ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
261	TOC	UG/L	14.760	17.700	120	20

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=FLUME S-01B ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
262	TOC	UG/L	19.100	18.900	99	-1

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=FLUME S-01C ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
263	TOX	UG/L	209.000	211.000	101	1

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=FLUME S-01D ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
264	CHLORIDE	MG/L	80.800	86.000	106	6
265	FLUORIDE	MG/L	4.726	5.000	106	6
266	NITRATE	MG/L	12.960	13.000	100	0
267	SULFATE	MG/L	95.300	86.000	90	-10
268	TOTAL ALKALINITY	MG/L	34.400	31.000	90	-10

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=FLUME S-01E ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
269	ALUMINUM	MG/L	0.500	0.410	82	-18
270	ARSENIC	MG/L	0.100	0.092	92	-8
271	BERYLLIUM	MG/L	0.100	0.091	91	-9
272	CADMIUM	MG/L	0.025	0.022	88	-12
273	CHROMIUM	MG/L	0.100	0.081	81	-19
274	COBALT	MG/L	0.100	0.091	91	-9
275	COPPER	MG/L	0.100	0.084	84	-16
276	IRON	MG/L	0.100	0.089	89	-11
277	LEAD	MG/L	0.100	0.130	130	30
278	MANGANESE	MG/L	0.100	0.094	94	-6
279	NICKEL	MG/L	0.100	0.097	97	-3
280	VANADIUM	MG/L	0.250	0.240	96	-4
281	ZINC	MG/L	0.100	0.130	130	30

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=FLUME S-01F ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
282	ARSENIC(AA)	UG/ML	0.060	0.060	100	0
283	MERCURY(AA)	UG/ML	0.003	0.002	80	-20
284	SELENIUM(AA)	UG/ML	0.015	0.015	100	0

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=FLUME S-01G ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
285	GROSS ALPHA	BQ/L	25184.000	24000.000	95	-5

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=FLUME S-01H ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
286	TRITIUM	BQ/L	924.000	790.000	85	-15

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=FLUME S-01I ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
287	URANIUM	MG/L	42.460	47.000	111	11

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=FLUME S-01J ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
288	GROSS BETA	BQ/L	1478.000	1300.000	88	-12

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=WELL S-01 2B ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
289	TOC	UG/L	14.760	19.500	132	32

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=WELL S-01B ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
290	TOC	UG/L	19.100	19.200	101	1

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=WELL S-01C ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
291	TOX	UG/L	209.000	206.000	99	-1

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=WELL S-01D ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
292	CHLORIDE	MG/L	80.800	84.000	104	4
293	FLUORIDE	MG/L	4.726	4.800	102	2
294	NITRATE	MG/L	12.960	13.000	100	0
295	SULFATE	MG/L	95.300	96.000	101	1
296	TOTAL ALKALINITY	MG/L	34.400	35.000	102	2

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=WELL S-01E ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
297	ALUMINUM	MG/L	0.500	0.420	84	-16
298	ARSENIC	MG/L	0.100	0.089	89	-11
299	BERYLLIUM	MG/L	0.100	0.084	84	-16
300	CADMIUM	MG/L	0.025	0.022	88	-12
301	CHROMIUM	MG/L	0.100	0.073	73	-27
302	COBALT	MG/L	0.100	0.081	81	-19
303	COPPER	MG/L	0.100	0.074	74	-26
304	IRON	MG/L	0.100	0.079	79	-21
305	LEAD	MG/L	0.100	0.110	110	10
306	MANGANESE	MG/L	0.100	0.088	88	-12
307	NICKEL	MG/L	0.100	0.089	89	-11
308	VANADIUM	MG/L	0.250	0.220	88	-12
309	ZINC	MG/L	0.100	0.110	110	10

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=WELL S-01F ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
310	ARSENIC(AA)	UG/ML	0.060	0.060	100	0
311	MERCURY(AA)	UG/ML	0.003	0.002	80	-20
312	SELENIUM(AA)	UG/ML	0.015	0.014	93	-7

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=WELL S-01G ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
313	GROSS ALPHA	BQ/L	20194.000	19000.000	94	-6

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=WELL S-01H ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
314	TRITIUM	BQ/L	924.000	710.000	77	-23

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=WELL S-01I ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
315	URANIUM	MG/L	42.460	45.000	106	6

---------- SAMPLING DATE=01SEP89 CUSTOMER ID=WELL S-01J ----------

OBS	ANALYTE	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
316	GROSS BETA	BQ/L	1478.000	1400.000	95	-5

ANALYTE=1,1,2,2-TETRACHLOROETHANE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
1	11MAY88	WELL S-01	UG/L	63.200	48.000	76	-24
2	24MAY88	WELL S-01	UG/L	126.500	120.000	95	-5
3	11AUG88	WELL S-01	UG/L	126.500	132.000	104	4

ANALYTE=1,1-DICHLOROETHENE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
4	11MAY88	WELL S-01	UG/L	26.000	28.000	108	8
5	24MAY88	WELL S-01	UG/L	52.000	46.000	88	-12
6	11AUG88	WELL S-01	UG/L	52.000	56.000	108	8

ANALYTE=1,2-DICHLOROETHANE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
7	11MAY88	WELL S-01	UG/L	31.200	29.000	93	-7
8	24MAY88	WELL S-01	UG/L	62.500	61.000	98	-2
9	11AUG88	WELL S-01	UG/L	62.500	62.000	99	-1

ANALYTE=1,2-DICHLOROETHENE(TOTAL)

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
10	11MAY88	WELL S-01	UG/L	69.000	69.000	100	0
11	24MAY88	WELL S-01	UG/L	138.000	120.000	87	-13
12	11AUG88	WELL S-01	UG/L	138.000	134.000	97	-3

ANALYTE=1,2-DICHLOROPROPANE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
13	11MAY88	WELL S-01	UG/L	50.000	46.000	92	-8
14	24MAY88	WELL S-01	UG/L	100.000	100.000	100	0
15	11AUG88	WELL S-01	UG/L	100.000	99.000	99	-1

ANALYTE=ALDRIN

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
16	15AUG89	SPKT-S-C	UG/L	2.000	1.660	83	-17

ANALYTE=ALUMINUM

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
17	05JAN88	WELL S-01	MG/L	0.364	0.360	99	-1
18	11MAY88	WELL S-01	MG/L	0.556	0.440	79	-21
19	24MAY88	WELL S-01	MG/L	0.400	0.390	98	-2
20	11AUG88	WELL S-01	MG/L	0.400	0.329	82	-18
21	08DEC88	WELL S-01E	MG/L	0.728	0.670	92	-8
22	21MAR89	WELL S-01E	MG/L	0.400	0.380	95	-5
23	09JUN89	FLUME S-01E	MG/L	0.729	0.000	0	***
24	09JUN89	WELL S-01E	MG/L	0.729	0.000	0	***
25	01SEP89	FLUME S-01E	MG/L	0.500	0.410	82	-18
26	01SEP89	WELL S-01E	MG/L	0.500	0.420	84	-16

ANALYTE=ARSENIC

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
27	11AUG88	WELL S-01	MG/L	0.129	0.118	91	-9
28	08DEC88	WELL S-01E	MG/L	0.234	0.240	103	3
29	21MAR89	WELL S-01E	MG/L	0.129	0.110	85	-15
30	09JUN89	FLUME S-01E	MG/L	0.235	0.260	111	11
31	09JUN89	WELL S-01E	MG/L	0.235	0.250	106	6
32	15AUG89	SPKT-S-8	MG/L	0.000	0.000	.	.
33	01SEP89	FLUME S-01E	MG/L	0.100	0.092	92	-8
34	01SEP89	WELL S-01E	MG/L	0.100	0.089	89	-11

ANALYTE=ARSENIC(AA)

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
35	05JAN88	WELL S-01	UG/ML	0.053	0.053	100	0
36	11MAY88	WELL S-01	UG/ML	0.044	.	.	.
37	24MAY88	WELL S-01	UG/ML	0.053	0.050	94	-6
38	11AUG88	WELL S-01	UG/ML	0.053	0.050	94	-6
39	08DEC88	WELL S-01F	UG/ML	0.053	0.050	94	-6
40	21MAR89	WELL S-01F	UG/ML	0.053	0.050	94	-6
41	09JUN89	FLUME S-01F	UG/ML	0.200	0.190	95	-5
42	09JUN89	WELL S-01F	UG/ML	0.200	0.200	100	0
43	01SEP89	FLUME S-01F	UG/ML	0.060	0.060	100	0
44	01SEP89	WELL S-01F	UG/ML	0.060	0.060	100	0

ANALYTE=BARIUM

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
45	15AUG89	SPKT-S-8	MG/L	0.000	0.000	.	.

ANALYTE=BERYLLIUM

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
46	05JAN88	WELL S-01	MG/L	0.118	0.110	93	-7
47	11MAY88	WELL S-01	MG/L	0.111	0.100	90	-10
48	24MAY88	WELL S-01	MG/L	0.129	0.120	93	-7
49	11AUG88	WELL S-01	MG/L	0.129	0.115	89	-11
50	08DEC88	WELL S-01E	MG/L	0.234	0.220	94	-6
51	21MAR89	WELL S-01E	MG/L	0.129	0.140	109	9
52	09JUN89	FLUME S-01E	MG/L	0.235	0.230	98	-2
53	09JUN89	WELL S-01E	MG/L	0.235	0.220	94	-6
54	01SEP89	FLUME S-01E	MG/L	0.100	0.091	91	-9
55	01SEP89	WELL S-01E	MG/L	0.100	0.084	84	-16

ANALYTE=CO-60

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
56	15AUG89	SPKT-S-E	BQ/L	13.500	0.050	0	***

ANALYTE=CADMIUM

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
57	05JAN88	WELL S-01	MG/L	0.020	0.013	65	-35
58	11MAY88	WELL S-01	MG/L	0.028	0.011	39	-61
59	24MAY88	WELL S-01	MG/L	0.021	0.020	95	-5
60	11AUG88	WELL S-01	MG/L	0.021	0.006	29	-71
61	08DEC88	WELL S-01E	MG/L	0.039	0.009	22	-78
62	21MAR89	WELL S-01E	MG/L	0.021	0.019	90	-10
63	09JUN89	FLUME S-01E	MG/L	0.039	0.023	59	-41
64	09JUN89	WELL S-01E	MG/L	0.039	.	.	.
65	15AUG89	SPKT-S-B	MG/L	0.000	0.000	.	.
66	01SEP89	FLUME S-01E	MG/L	0.025	0.022	88	-12
67	01SEP89	WELL S-01E	MG/L	0.025	0.022	88	-12

ANALYTE=CARBON TETRACHLORIDE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
68	11MAY88	WELL S-01	UG/L	33.200	28.000	84	-16
69	24MAY88	WELL S-01	UG/L	66.500	58.000	87	-13
70	11AUG88	WELL S-01	UG/L	66.500	65.000	98	-2

ANALYTE=CHLORIDE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
71	05JAN88	WELL S-01	MG/L	44.900	51.000	114	14
72	11MAY88	WELL S-01	MG/L	56.100	53.000	94	-6
73	24MAY88	WELL S-01	MG/L	44.800	47.000	105	5
74	11AUG88	WELL S-01	MG/L	44.800	47.000	105	5
75	08DEC88	WELL S-01D	MG/L	44.800	47.000	105	5
76	21MAR89	WELL S-01D	MG/L	42.600	24.000	56	-44
77	09JUN89	FLUME S-01D	MG/L	17.800	20.000	112	12
78	09JUN89	WELL S-01D	MG/L	17.800	20.000	112	12
79	15AUG89	SPKT-S-A	MG/L	72.700	74.000	102	2
80	01SEP89	FLUME S-01D	MG/L	80.800	86.000	106	6
81	01SEP89	WELL S-01D	MG/L	80.800	84.000	104	4

ANALYTE=CHLOROBENZENE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
82	11MAY88	WELL S-01	UG/L	50.500	45.000	89	-11
83	24MAY88	WELL S-01	UG/L	101.000	87.000	86	-14
84	11AUG88	WELL S-01	UG/L	101.000	77.000	76	-24

ANALYTE=CHROMIUM

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
85	05JAN88	WELL S-01	MG/L	0.130	0.130	100	0
86	11MAY88	WELL S-01	MG/L	0.111	0.120	108	8
87	24MAY88	WELL S-01	MG/L	0.143	0.130	91	-9
88	11AUG88	WELL S-01	MG/L	0.143	0.141	99	-1
89	08DEC88	WELL S-01E	MG/L	0.260	0.290	112	12
90	21MAR89	WELL S-01E	MG/L	0.143	0.170	119	19
91	09JUN89	FLUME S-01E	MG/L	0.261	0.260	100	-0
92	09JUN89	WELL S-01E	MG/L	0.261	0.250	96	-4
93	15AUG89	SPKT-S-B	MG/L	0.000	0.000	.	.
94	01SEP89	FLUME S-01E	MG/L	0.100	0.081	81	-19
95	01SEP89	WELL S-01E	MG/L	0.100	0.073	73	-27

ANALYTE=COBALT

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
96	05JAN88	WELL S-01	MG/L	0.130	0.130	100	0
97	11MAY88	WELL S-01	MG/L	0.111	0.096	86	-14
98	24MAY88	WELL S-01	MG/L	0.143	0.130	91	-9
99	11AUG88	WELL S-01	MG/L	0.143	0.119	83	-17
100	08DEC88	WELL S-01E	MG/L	0.260	0.240	92	-8
101	21MAR89	WELL S-01E	MG/L	0.143	0.130	91	-9
102	09JUN89	FLUME S-01E	MG/L	0.261	0.200	77	-23
103	09JUN89	WELL S-01E	MG/L	0.261	0.190	73	-27
104	01SEP89	FLUME S-01E	MG/L	0.100	0.091	91	-9

ANALYTE=COBALT

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
105	01SEP89	WELL S-01E	MG/L	0.100	0.081	81	-19

ANALYTE=COPPER

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
106	05JAN88	WELL S-01	MG/L	0.170	0.180	106	6
107	11MAY88	WELL S-01	MG/L	0.111	0.130	117	17
108	24MAY88	WELL S-01	MG/L	0.186	0.170	91	-9
109	11AUG88	WELL S-01	MG/L	0.186	0.215	116	16
110	08DEC88	WELL S-01E	MG/L	0.338	0.410	121	21
111	21MAR89	WELL S-01E	MG/L	0.186	0.200	108	8
112	09JUN89	FLUME S-01E	MG/L	0.339	0.420	124	24
113	09JUN89	WELL S-01E	MG/L	0.339	0.410	121	21
114	01SEP89	FLUME S-01E	MG/L	0.100	0.084	84	-16
115	01SEP89	WELL S-01E	MG/L	0.100	0.074	74	-26

ANALYTE=CS-137

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
116	15AUG89	SPKT-S-E	BQ/L	11.400	-0.020	-0	***

ANALYTE=DDD

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
117	15AUG89	SPKT-S-C	UG/L	10.000	10.890	109	9

ANALYTE=DDE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
118	15AUG89	SPKT-S-C	UG/L	2.000	0.000	0	***

ANALYTE=DDT

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
119	15AUG89	SPKT-S-C	UG/L	10.000	7.370	74	-26

ANALYTE=DIBROMOCHLOROMETHANE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
120	11MAY88	WELL S-01	UG/L	37.000	30.000	81	-19
121	24MAY88	WELL S-01	UG/L	74.000	78.000	105	5
122	11AUG88	WELL S-01	UG/L	74.000	77.000	104	4

ANALYTE=DIELDRIN

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
123	15AUG89	SPKT-S-C	UG/L	2.000	3.290	165	64

ANALYTE=FLUORIDE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
124	05JAN88	WELL S-01	MG/L	9.810	10.000	102	2
125	11MAY88	WELL S-01	MG/L	16.700	15.000	90	-10
126	24MAY88	WELL S-01	MG/L	12.240	14.000	114	14
127	11AUG88	WELL S-01	MG/L	12.240	12.000	98	-2
128	08DEC88	WELL S-01D	MG/L	12.840	9.800	76	-24
129	21MAR89	WELL S-01D	MG/L	4.080	4.300	105	5
130	09JUN89	FLUME S-01D	MG/L	3.860	3.800	98	-2
131	09JUN89	WELL S-01D	MG/L	3.860	3.800	98	-2
132	15AUG89	SPKT-S-A	MG/L	4.250	4.200	99	-1
133	01SEP89	FLUME S-01D	MG/L	4.726	5.000	106	6
134	01SEP89	WELL S-01D	MG/L	4.726	4.800	102	2

ANALYTE=GROSS ALPHA

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
135	08DEC88	WELL S-01G	BQ/L	23090.000	21000.000	91	-9
136	21MAR89	WELL S-01G	BQ/L	23080.000	25000.000	108	8
137	09JUN89	FLUME S-01G	BQ/L	23194.000	20000.000	86	-14
138	09JUN89	WELL S-01G	BQ/L	23194.000	22000.000	95	-5
139	15AUG89	SPKT-S-D	BQ/L	23238.000	25000.000	108	8
140	01SEP89	WELL S-01G	BQ/L	20194.000	19000.000	94	-6
141	01SEP89	FLUME S-01G	BQ/L	25184.000	24000.000	95	-5

ANALYTE=GROSS BETA

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
142	05JAN88	WELL S-01	BQ/L	44.560	48.000	108	8
143	11MAY88	WELL S-01	BQ/L	939.000	800.000	85	-15
144	24MAY88	WELL S-01	BQ/L	1408.000	1200.000	85	-15
145	11AUG88	WELL S-01	BQ/L	1402.000	1500.000	107	7
146	08DEC88	WELL S-01G	BQ/L	1329.000	7300.000	549	449
147	21MAR89	WELL S-01G	BQ/L	1320.000	7300.000	553	453
148	09JUN89	FLUME S-01G	BQ/L	1320.000	7600.000	576	476
149	09JUN89	WELL S-01G	BQ/L	1320.000	7900.000	598	498
150	15AUG89	SPKT-S-D	BQ/L	1314.000	7700.000	586	486
151	01SEP89	FLUME S-01J	BQ/L	1478.000	1300.000	88	-12
152	01SEP89	WELL S-01J	BQ/L	1478.000	1400.000	95	-5

ANALYTE=HEPTACHLOR

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
153	15AUG89	SPKT-S-C	UG/L	2.000	1.120	56	-44

ANALYTE=IRON

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
154	05JAN88	WELL S-01	MG/L	0.398	0.390	98	-2
155	11MAY88	WELL S-01	MG/L	0.111	0.096	86	-14
156	24MAY88	WELL S-01	MG/L	0.438	0.400	91	-9
157	11AUG88	WELL S-01	MG/L	0.438	0.377	86	-14
158	08DEC88	WELL S-01E	MG/L	0.795	0.790	99	-1
159	21MAR89	WELL S-01E	MG/L	0.437	0.450	103	3
160	09JUN89	FLUME S-01E	MG/L	0.797	0.780	98	-2
161	09JUN89	WELL S-01E	MG/L	0.797	0.750	94	-6
162	01SEP89	FLUME S-01E	MG/L	0.100	0.089	89	-11
163	01SEP89	WELL S-01E	MG/L	0.100	0.079	79	-21

ANALYTE=LEAD

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
164	05JAN88	WELL S-01	MG/L	0.218	0.230	106	6
165	11MAY88	WELL S-01	MG/L	0.111	0.110	99	-1
166	24MAY88	WELL S-01	MG/L	0.239	0.230	96	-4
167	11AUG88	WELL S-01	MG/L	0.239	0.208	87	-13
168	08DEC88	WELL S-01E	MG/L	0.434	0.420	97	-3
169	21MAR89	WELL S-01E	MG/L	0.239	0.200	84	-16
170	09JUN89	FLUME S-01E	MG/L	0.435	0.480	110	10
171	09JUN89	WELL S-01E	MG/L	0.435	0.440	101	1
172	15AUG89	SPKT-S-B	MG/L	0.000	0.031	.	.
173	01SEP89	FLUME S-01E	MG/L	0.100	0.130	130	30
174	01SEP89	WELL S-01E	MG/L	0.100	0.110	110	10

ANALYTE=MANGANESE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
175	05JAN88	WELL S-01	MG/L	0.174	0.170	98	-2
176	11MAY88	WELL S-01	MG/L	0.111	0.110	99	-1
177	24MAY88	WELL S-01	MG/L	0.191	0.170	89	-11
178	11AUG88	WELL S-01	MG/L	0.191	0.176	92	-8
179	08DEC88	WELL S-01E	MG/L	0.347	0.340	98	-2
180	21MAR89	WELL S-01E	MG/L	0.191	0.190	99	-1
181	09JUN89	FLUME S-01E	MG/L	0.348	0.380	109	9
182	09JUN89	WELL S-01E	MG/L	0.348	0.370	106	6
183	01SEP89	FLUME S-01E	MG/L	0.100	0.094	94	-6
184	01SEP89	WELL S-01E	MG/L	0.100	0.088	88	-12

ANALYTE=MERCURY(AA)

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
185	05JAN88	WELL S-01	UG/ML	0.001	0.001	69	-31
186	11MAY88	WELL S-01	UG/ML	0.002	.	.	.
187	24MAY88	WELL S-01	UG/ML	0.001	0.001	77	-23
188	11AUG88	WELL S-01	UG/ML	0.001	0.001	100	0
189	08DEC88	WELL S-01F	UG/ML	0.001	0.001	85	-15
190	21MAR89	WELL S-01F	UG/ML	0.001	0.001	100	0
191	09JUN89	FLUME S-01F	UG/ML	0.010	0.007	70	-30
192	09JUN89	WELL S-01F	UG/ML	0.010	0.007	66	-34
193	15AUG89	SPKT-S-8	UG/L	0.000	0.000	.	.
194	01SEP89	FLUME S-01F	UG/ML	0.003	0.002	80	-20
195	01SEP89	WELL S-01F	UG/ML	0.003	0.002	80	-20

ANALYTE=METHYLENE CHLORIDE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
196	11MAY88	WELL S-01	UG/L	50.000	53.000	106	6
197	24MAY88	WELL S-01	UG/L	100.000	99.000	99	-1
198	11AUG88	WELL S-01	UG/L	100.000	121.000	121	21

ANALYTE=NICKEL

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
199	05JAN88	WELL S-01	MG/L	0.104	0.110	106	6
200	11MAY88	WELL S-01	MG/L	0.111	0.110	99	-1
201	24MAY88	WELL S-01	MG/L	0.114	0.110	96	-4
202	11AUG88	WELL S-01	MG/L	0.114	0.112	98	-2
203	08DEC88	WELL S-01E	MG/L	0.206	0.210	102	2
204	21MAR89	WELL S-01E	MG/L	0.114	0.140	123	23
205	09JUN89	FLUME S-01E	MG/L	0.207	0.110	53	-47
206	09JUN89	WELL S-01E	MG/L	0.207	0.100	48	-52
207	01SEP89	FLUME S-01E	MG/L	0.100	0.097	97	-3
208	01SEP89	WELL S-01E	MG/L	0.100	0.089	89	-11

ANALYTE=NITRATE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
209	05JAN88	WELL S-01	MG/L	35.800	40.000	112	12
210	11MAY88	WELL S-01	MG/L	22.000	26.000	118	18
211	24MAY88	WELL S-01	MG/L	38.400	49.000	128	28
212	11AUG88	WELL S-01	MG/L	34.000	39.000	115	15
213	08DEC88	WELL S-01D	MG/L	35.700	46.000	129	29
214	21MAR89	WELL S-01D	MG/L	12.960	15.000	116	16
215	09JUN89	FLUME S-01D	MG/L	12.960	15.000	116	16
216	09JUN89	WELL S-01D	MG/L	12.960	15.000	116	16
217	15AUG89	SPKT-S-A	MG/L	10.370	12.000	116	16
218	01SEP89	FLUME S-01D	MG/L	12.960	13.000	100	0
219	01SEP89	WELL S-01D	MG/L	12.960	13.000	100	0

ANALYTE=RA-226

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
220	15AUG89	SPKT-S-G	BQ/L	249.000	220.000	88	-12

ANALYTE=RA-228

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
221	15AUG89	SPKT-S-G	BQ/L	0.000	0.490	.	.

ANALYTE=SELENIUM

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
222	15AUG89	SPKT-S-B	MG/L	0.000	0.000	.	.

ANALYTE=SELENIUM(AA)

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
223	05JAN88	WELL S-01	UG/ML	0.022	0.019	86	-14
224	11MAY88	WELL S-01	UG/ML	0.011	.	.	.
225	24MAY88	WELL S-01	UG/ML	0.022	0.019	86	-14
226	11AUG88	WELL S-01	UG/ML	0.022	0.019	86	-14
227	08DEC88	WELL S-01F	UG/ML	0.022	0.017	77	-23
228	21MAR89	WELL S-01F	UG/ML	0.022	0.019	86	-14
229	09JUN89	FLUME S-01F	UG/ML	0.050	0.043	86	-14
230	09JUN89	WELL S-01F	UG/ML	0.050	0.043	86	-14
231	01SEP89	FLUME S-01F	UG/ML	0.015	0.015	100	0
232	01SEP89	WELL S-01F	UG/ML	0.015	0.014	93	-7

ANALYTE=SILVER

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
233	15AUG89	SPKT-S-B	MG/L	0.000	0.000	.	.

ANALYTE=STRONTIUM 90

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
234	05JAN88	WELL S-01	BQ/L	22.280	24.000	108	8
235	11MAY88	WELL S-01	BQ/L	469.000	390.000	83	-17
236	24MAY88	WELL S-01	BQ/L	704.000	630.000	89	-11
237	11AUG88	WELL S-01	BQ/L	701.000	775.000	111	11

ANALYTE=SULFATE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
238	05JAN88	WELL S-01	MG/L	49.400	47.000	95	-5
239	11MAY88	WELL S-01	MG/L	21.600	22.000	102	2
240	24MAY88	WELL S-01	MG/L	49.300	45.000	91	-9
241	11AUG88	WELL S-01	MG/L	49.300	46.000	93	-7
242	08DEC88	WELL S-01D	MG/L	49.300	56.000	114	14
243	21MAR89	WELL S-01D	MG/L	46.900	48.000	102	2
244	09JUN89	FLUME S-01D	MG/L	7.200	7.200	100	0
245	09JUN89	WELL S-01D	MG/L	7.200	7.500	104	4
246	15AUG89	SPKT-S-A	MG/L	85.800	86.000	100	0
247	01SEP89	FLUME S-01D	MG/L	95.300	86.000	90	-10
248	01SEP89	WELL S-01D	MG/L	95.300	96.000	101	1

ANALYTE=TOC

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
249	08DEC88	WELL S-01B	UG/L	12.400	6.700	54	-46
250	21MAR89	WELL S-01B	UG/L	12.400	6.600	53	-47
251	09JUN89	FLUME S-01B	UG/L	12.650	3.600	28	-72
252	09JUN89	WELL S-01B	MG/L	12.650	3.700	29	-71
253	01SEP89	FLUME S-01 2B	UG/L	14.760	17.700	120	20
254	01SEP89	WELL S-01 2B	UG/L	14.760	19.500	132	32
255	01SEP89	FLUME S-01B	UG/L	19.100	18.900	99	-1
256	01SEP89	WELL S-01B	UG/L	19.100	19.200	101	1

ANALYTE=TOTAL ALKALINITY

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
257	05JAN88	WELL S-01	MG/L	39.300	39.000	99	-1
258	11MAY88	WELL S-01	MG/L	29.400	27.500	94	-6
259	24MAY88	WELL S-01	MG/L	39.200	38.800	99	-1
260	11AUG88	WELL S-01	MG/L	39.200	37.000	94	-6
261	08DEC88	WELL S-01D	MG/L	39.300	25.000	64	-36
262	21MAR89	WELL S-01D	MG/L	37.400	28.800	77	-23
263	09JUN89	FLUME S-01D	MG/L	21.700	21.000	97	-3
264	09JUN89	WELL S-01D	MG/L	21.700	19.800	91	-9
265	01SEP89	FLUME S-01D	MG/L	34.400	31.000	90	-10
266	01SEP89	WELL S-01D	MG/L	34.400	35.000	102	2

ANALYTE=TOTAL-SR

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
267	15AUG89	SPKT-S-D	BQ/L	657.000	630.000	96	-4

ANALYTE=TOX

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
268	08DEC88	WELL S-01	UG/L	42.000	27.000	64	-36
269	21MAR89	WELL S-01C	UG/L	42.000	60.000	143	43
270	09JUN89	FLUME S-01C	UG/L	42.900	46.000	107	7
271	09JUN89	WELL S-01C	UG/L	42.900	59.000	138	38
272	01SEP89	FLUME S-01C	UG/L	209.000	211.000	101	1
273	01SEP89	WELL S-01C	UG/L	209.000	206.000	99	-1

ANALYTE=TRICHLOROETHENE

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
274	11MAY88	WELL S-01	UG/L	62.000	57.000	92	-8
275	24MAY88	WELL S-01	UG/L	124.000	140.000	113	13
276	11AUG88	WELL S-01	UG/L	124.000	121.000	98	-2

ANALYTE=TRITIUM

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
277	11MAY88	WELL S-01	BQ/L	443.000	450.000	102	2
278	24MAY88	WELL S-01	BQ/L	662.000	640.000	97	-3
279	11AUG88	WELL S-01	BQ/L	654.000	610.000	93	-7
280	08DEC88	WELL S-01H	BQ/L	643.000	660.000	103	3
281	21MAR89	WELL S-01H	BQ/L	633.000	580.000	92	-8
282	09JUN89	FLUME S-01H	BQ/L	752.000	650.000	86	-14
283	09JUN89	WELL S-01H	BQ/L	752.000	680.000	90	-10
284	15AUG89	SPKT-S-F	BQ/L	456.000	500.000	110	10

ANALYTE=TRITIUM

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
285	01SEP89	FLUME S-01H	BQ/L	924.000	790.000	85	-15
286	01SEP89	WELL S-01H	BQ/L	924.000	710.000	77	-23

ANALYTE=URANIUM

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
287	05JAN88	WELL S-01	MG/L	12.866	0.001	0	***
288	11MAY88	WELL S-01	MG/L	28.590	0.250	1	-99
289	24MAY88	WELL S-01	MG/L	28.400	28.700	101	1
290	11AUG88	WELL S-01	MG/L	28.200	26.000	92	-8
291	08DEC88	WELL S-01E	MG/L	51.400	3.180	6	-94
292	21MAR89	WELL S-01E	MG/L	23.100	16.300	71	-29
293	09JUN89	FLUME S-01E	MG/L	42.100	24.000	57	-43
294	09JUN89	WELL S-01E	MG/L	42.100	12.000	29	-71
295	01SEP89	FLUME S-01I	MG/L	42.460	47.000	111	11
296	01SEP89	WELL S-01I	MG/L	42.460	45.000	106	6

ANALYTE=VANADIUM

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
297	05JAN88	WELL S-01	MG/L	0.423	0.370	87	-13
298	11MAY88	WELL S-01	MG/L	0.278	0.230	83	-17
299	24MAY88	WELL S-01	MG/L	0.465	0.410	88	-12
300	11AUG88	WELL S-01	MG/L	0.465	0.381	82	-18
301	08DEC88	WELL S-01E	MG/L	0.844	0.800	95	-5
302	21MAR89	WELL S-01E	MG/L	0.464	0.460	99	-1
303	09JUN89	FLUME S-01E	MG/L	0.846	0.860	102	2
304	09JUN89	WELL S-01E	MG/L	0.846	0.820	97	-3
305	01SEP89	FLUME S-01E	MG/L	0.250	0.240	96	-4
306	01SEP89	WELL S-01E	MG/L	0.250	0.220	88	-12

ANALYTE=ZINC

OBS	SAMDATE	CUSTID	UNITS	TRUVAL	RESULT	RECOVERY	BIAS
307	05JAN88	WELL S-01	MG/L	0.209	0.200	96	-4
308	11MAY88	WELL S-01	MG/L	0.111	0.089	80	-20
309	24MAY88	WELL S-01	MG/L	0.230	0.220	96	-4
310	11AUG88	WELL S-01	MG/L	0.230	0.204	89	-11
311	08DEC88	WELL S-01E	MG/L	0.417	0.400	96	-4
312	21MAR89	WELL S-01E	MG/L	0.229	0.220	96	-4
313	09JUN89	FLUME S-01E	MG/L	0.418	0.360	86	-14
314	09JUN89	WELL S-01E	MG/L	0.418	0.340	81	-19
315	01SEP89	FLUME S-01E	MG/L	0.100	0.130	130	30
316	01SEP89	WELL S-01E	MG/L	0.100	0.110	110	10

APPENDIX B
RESULTS OF CHEMICAL ANALYSIS, FY88

This appendix contains the final summary tables of the analysis of samples obtained during FY88. This data is contained in this report because it has not been previously reported in its complete form.

Tables B.1 through B.12 summarize results for all analytes in the testing program. Tables B.13 through B.16 report results of the quality control program.

Table B.1. List of analytes that were not detected anywhere during the 1st - 4th quarters of sampling

Analyte
1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,2-DICHLOROETHANE
1,2-DICHLOROETHENE (TOTAL)
1,2-DICHLOROPROPANE
2-HEXANONE
4-METHYL-2-PENTANONE
AG
AS
BROMOFORM
BROMOMETHANE
CHLOROBENZENE
CHLOROETHANE
CHLOROMETHANE
CIS-1,3-DICHLOROPROPENE
DIBROMOCHLOROMETHANE
GA
PB
PO4
SB
SE
SN
STYRENE
TETRACHLOROETHENE
TRANS-1,3-DICHLOROPROPENE
VINYL ACETATE
VINYL CHLORIDE
ZR

Table B.2. List of analytes that were not detected in ground water during the 1st - 4th quarters of sampling

Analyte
1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,2-DICHLOROETHANE
1,2-DICHLOROETHENE (TOTAL)
1,2-DICHLOROPROPANE
2-HEXANONE
4-METHYL-2-PENTANONE
AG
AS
BENZENE
BROMOFORM
BROMOMETHANE
CARBON DISULFIDE
CHLOROBENZENE
CHLOROETHANE
CHLOROMETHANE
CIS-1,3-DICHLOROPROPENE
DIBROMOCHLOROMETHANE
GA
NO3
PB
PO4
SB
SE
SN
STYRENE
TETRACHLOROETHENE
TRANS-1,3-DICHLOROPROPENE
VINYL ACETATE
VINYL CHLORIDE
ZR

Table B.3. List of analytes that were not detected in surface water during the 1st - 4th quarters of sampling

Analyte
1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,2-DICHLOROETHANE
1,2-DICHLOROETHENE (TOTAL)
1,2-DICHLOROPROPANE
2-BUTANONE
2-HEXANONE
4-METHYL-2-PENTANONE
AG
AS
BROMODICHLOROMETHANE
BROMOFORM
BROMOMETHANE
CHLOROBENZENE
CHLOROETHANE
CHLOROFORM
CHLOROMETHANE
CIS-1,3-DICHLOROPROPENE
CO
DIBROMOCHLOROMETHANE
F
GA
MO
P
PB
PO4
SB
SE
SN
STYRENE
TETRACHLOROETHENE
TRANS-1,3-DICHLOROPROPENE
TRICHLOROETHENE
VINYL ACETATE
VINYL CHLORIDE
ZR

Table B.4. List of analytes that were not detected in each area during the 1st - 4th quarters of sampling

---------- AREA=SWSA 7 ----------

Analyte

1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,2-DICHLOROETHANE
1,2-DICHLOROETHENE (TOTAL)
1,2-DICHLOROPROPANE
2-HEXANONE
4-METHYL-2-PENTANONE
AG
AS
BROMODICHLOROMETHANE
BROMOFORM
BROMOMETHANE
CARBON DISULFIDE
CARBON TETRACHLORIDE
CHLOROBENZENE
CHLOROETHANE
CHLOROFORM
CHLOROMETHANE
CIS-1,3-DICHLOROPROPENE
DIBROMOCHLOROMETHANE
GA
MO
NO3
PB
PO4
SB
SE
SN
STYRENE
TETRACHLOROETHENE
TRANS-1,3-DICHLOROPROPENE
VINYL ACETATE
VINYL CHLORIDE
ZR

Table B.5. List of analytes that were not detected in each area during the 1st - 4th quarters of sampling

---------- AREA=West Chestnut Ridge ----------

Analyte

1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,2-DICHLOROETHANE
1,2-DICHLOROETHENE (TOTAL)
1,2-DICHLOROPROPANE
2-HEXANONE
4-METHYL-2-PENTANONE
ACETONE
AG
AS
B
BROMOFORM
BROMOMETHANE
CARBON DISULFIDE
CHLOROBENZENE
CHLOROETHANE
CHLOROMETHANE
CIS-1,3-DICHLOROPROPENE
DIBROMOCHLOROMETHANE
F
GA
LI
NO3
P
PB
PO4
SB
SE
SN
STYRENE
TETRACHLOROETHENE
TRANS-1,3-DICHLOROPROPENE
TRICHLOROETHENE
VINYL ACETATE
VINYL CHLORIDE
ZR

Table B.6. List of analytes that were not detected in each area during the 1st - 4th quarters of sampling

---------- AREA=Bear Creek Valley ----------

Analyte
1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,2-DICHLOROETHANE
1,2-DICHLOROETHENE (TOTAL)
1,2-DICHLOROPROPANE
2-BUTANONE
2-HEXANONE
4-METHYL-2-PENTANONE
ACETONE
AG
AS
BROMODICHLOROMETHANE
BROMOFORM
BROMOMETHANE
CHLOROBENZENE
CHLOROETHANE
CHLOROFORM
CHLOROMETHANE
CIS-1,3-DICHLOROPROPENE
CO
DIBROMOCHLOROMETHANE
F
GA
MO
P
PB
PO4
SB
SE
SN
STYRENE
TETRACHLOROETHENE
TOLUENE
TRANS-1,3-DICHLOROPROPENE
TRICHLOROETHENE
VINYL ACETATE
VINYL CHLORIDE
ZR

Table B.7. Summary of the 1st - 4th quarters of LLWDDD sampling

(Note: Radionuclides are in Bq/L - Inorganics are in mg/L - Organics are in ug/L - Conductivity is in ms/cm and Temperature is in degrees C)

Media=Ground water

Analyte	No. of samples	Max	Qualifier	Min	Qualifier	Ave
2-BUTANONE	69	100	<	10	<	12
ACETONE	69	38	<	10	<	10
BROMODICHLOROMETHANE	69	5.0	<	2.0	<	5.0
CARBON TETRACHLORIDE	69	9.0	<	5.0	<	5.1
CHLOROFORM	69	10	<	5.0	<	5.1
ETHYLBENZENE	69	5.0	<	1.0	<	4.8
METHYLENE CHLORIDE	69	67	<	1.0	<	8.2
TOLUENE	69	11	<	1.0	<	4.6
TRICHLOROETHENE	69	10	<	5.0	<	5.1
XYLENE (TOTAL)	69	10	<	1.0	<	4.9
GROSS ALPHA	68	3.4		0		0.20
GROSS BETA	68	2.5		0		0.34
TOTAL SR	68	0.39		-0.10		0.046
TRITIUM	68	49		-100		2.4
AL	68	0.83	<	0.036	<	0.17
ALKALINITY	68	370	<	0.50	<	180
B	68	0.45	<	0.048	<	0.078
BA	68	0.31		0.0081		0.074
BE	68	0.0048	<	0.00018	<	0.0011
CA	68	420		5.8		67
CD	68	0.0030	<	0.0010	<	0.0016
CL	68	14	<	1.0	<	3.1
CO	68	0.023	<	0.0018	<	0.0035
CR	68	0.024	<	0.0036	<	0.0095
CU	68	0.021	<	0.0060	<	0.0092
F	68	10	<	1.0	<	1.2
FE	68	0.42	<	0.012	<	0.057
HG	68	0.00050	<	0.00010	<	0.00013
LI	68	0.36	<	0.12	<	0.15
MG	68	160		3.4		21
MN	68	180	<	0.0030	<	2.9
MO	68	0.040	<	0.024	<	0.029
NA	68	93	<	0.17	<	11
NI	68	0.036	<	0.0036	<	0.012
P	68	0.30	<	0.18	<	0.22
SI	68	25	<	0.12	<	4.1
SO4	68	1700	<	5.0	<	110
SR	68	6.4		0.0098		0.42
TI	68	0.039	<	0.012	<	0.016
TOTAL URANIUM	68	0.0040	<	0.0010	<	0.0013
V	68	0.012	<	0.0024	<	0.0078
ZN	68	0.21	<	0.0018	<	0.021
CONDUCTIVITY	67	2.8		0.070		0.61
DO	67	11		0.90		6.5
PH	67	8.8		6.8		7.6
TEMPERATURE	67	23		12		17

Table B.8. Summary of the 1st - 4th quarters of LLWDDD sampling

(Note: Radionuclides are in Bq/L - Inorganics are in mg/L - Organics are in ug/L - Conductivity is in ms/cm and Temperature is in degrees C)

Media=Ground water Area=SWSA 7

Analyte	No. of samples	Max	Qualifier	Min	Qualifier	Ave
2-BUTANONE	34	100	<	10	<	15
ACETONE	34	38	<	10	<	11
ETHYLBENZENE	34	5.0	<	1.0	<	4.8
METHYLENE CHLORIDE	34	67	<	1.0	<	9.1
TOLUENE	34	5.0	<	1.0	<	4.6
TRICHLOROETHENE	34	10	<	5.0	<	5.1
XYLENE (TOTAL)	34	10	<	1.0	<	5.0
GROSS ALPHA	34	0.90		0		0.15
GROSS BETA	34	1.2		0		0.33
TOTAL SR	34	0.24		-0.10		0.028
TRITIUM	34	49		-100		2.7
AL	34	0.83	<	0.036	<	0.18
ALKALINITY	34	370		110		240
B	34	0.45	<	0.048	<	0.10
BA	34	0.31		0.017		0.11
BE	34	0.0048	<	0.00018	<	0.0013
CA	34	420		5.8		100
CD	34	0.0030	<	0.0010	<	0.0016
CL	34	14		1.0		3.8
CO	34	0.0081	<	0.0018	<	0.0030
CR	34	0.024	<	0.0036	<	0.0094
CU	34	0.021	<	0.0060	<	0.0099
F	34	1.9	<	1.0	<	1.1
FE	34	0.33	<	0.012	<	0.055
HG	34	0.00050	<	0.00010	<	0.00014
LI	34	0.36	<	0.12	<	0.17
MG	34	160		3.4		30
MN	34	0.54	<	0.0030	<	0.11
NA	34	93	<	0.20	<	21
NI	34	0.036	<	0.0036	<	0.012
P	34	0.30	<	0.18	<	0.23
SI	34	25	<	0.12	<	5.7
SO4	34	1700	<	5.0	<	200
SR	34	6.4		0.070		0.79
TI	34	0.022	<	0.012	<	0.016
TOTAL URANIUM	34	0.0040	<	0.0010	<	0.0014
V	34	0.012	<	0.0024	<	0.0076
ZN	34	0.21	<	0.0018	<	0.021
CONDUCTIVITY	33	2.6		0.070		0.68
DO	33	9.2		0.90		6.2
PH	33	8.8		6.8		7.7
TEMPERATURE	33	20		12		17

Table B.8. (continued)

---------- Media=Ground water Area=West Chestnut Ridge ----------

Analyte	No. of samples	Max	Qual-ifier	Min	Qual-fier	Ave
2-BUTANONE	35	14	<	10	<	10
BROMODICHLOROMETHANE	35	5.0	<	2.0	<	4.9
CARBON TETRACHLORIDE	35	9.0	<	5.0	<	5.1
CHLOROFORM	35	10	<	5.0	<	5.1
ETHYLBENZENE	35	5.0	<	2.0	<	4.7
METHYLENE CHLORIDE	35	50	<	1.0	<	7.3
TOLUENE	35	11	<	1.0	<	4.5
XYLENE (TOTAL)	35	5.0	<	2.0	<	4.8
GROSS ALPHA	34	3.4		0		0.26
GROSS BETA	34	2.5		0		0.36
TOTAL SR	34	0.39		-0.10		0.065
TRITIUM	34	36		-40		2.1
AL	34	0.73	<	0.036	<	0.15
ALKALINITY	34	180	<	0.50	<	120
BA	34	0.18		0.0081		0.038
BE	34	0.0022	<	0.00018	<	0.00085
CA	34	54		11		29
CD	34	0.0030	<	0.0010	<	0.0016
CL	34	14	<	1.0	<	2.3
CO	34	0.023	<	0.0018	<	0.0040
CR	34	0.024	<	0.0036	<	0.0097
CU	34	0.012	<	0.0060	<	0.0086
FE	34	0.42	<	0.012	<	0.058
HG	34	0.00020	<	0.00010	<	0.00011
MG	34	22		5.3		12
MN	34	180	<	0.0030	<	5.7
MO	34	0.040	<	0.024	<	0.028
NA	34	6.3	<	0.17	<	1.8
NI	34	0.036	<	0.0036	<	0.012
SI	34	4.0	<	0.12	<	2.5
SO4	34	50	<	5.0	<	7.1
SR	34	0.14		0.0098		0.043
TI	34	0.039	<	0.012	<	0.015
TOTAL URANIUM	34	0.0030	<	0.0010	<	0.0013
V	34	0.012	<	0.0044	<	0.0081
ZN	34	0.17	<	0.0018	<	0.021
CONDUCTIVITY	34	0.90		0.10		0.54
DO	34	11		3.6		6.9
PH	34	8.0		6.8		7.4
TEMPERATURE	34	23		12		17

Table B.9. Summary of the 1st - 4th quarters of LLWDDD sampling

(Note: Radionuclides are in Bq/L - Inorganics are in mg/L - Organics are in ug/L - Conductivity is in ms/cm and Temperature is in degrees C)

Media=Ground water Area=SWSA 7

Station	Analyte	No. of samples	Max	Qualifier	Min	Qualifier	Ave
WELL 1117	METHYLENE CHLORIDE	6	37	<	1.0	<	9.0
WELL 1117	TOLUENE	6	5.0	<	1.0	<	4.3
WELL 1117	TRICHLOROETHENE	6	10	<	5.0	<	5.8
WELL 1117	XYLENE (TOTAL)	6	5.0	<	1.0	<	4.3
WELL 1117	GROSS ALPHA	6	0.49		0		0.17
WELL 1117	GROSS BETA	6	1.1		0.12		0.49
WELL 1117	TOTAL SR	6	0.17		-0.10		0.026
WELL 1117	TRITIUM	6	8.0		-20		-3.0
WELL 1117	AL	6	0.37	<	0.054	<	0.22
WELL 1117	ALKALINITY	6	290		270		280
WELL 1117	B	6	0.080	<	0.048	<	0.060
WELL 1117	BA	6	0.13		0.064		0.081
WELL 1117	BE	6	0.0028	<	0.00018	<	0.0016
WELL 1117	CA	6	98		87		93
WELL 1117	CD	6	0.0030	<	0.0010	<	0.0015
WELL 1117	CL	6	1.9		1.0		1.3
WELL 1117	CR	6	0.024	<	0.0036	<	0.0088
WELL 1117	CU	6	0.012	<	0.0060	<	0.0084
WELL 1117	FE	6	0.33		0.028		0.14
WELL 1117	MG	6	15		13		14
WELL 1117	MN	6	0.071		0.012		0.042
WELL 1117	NA	6	14		8.5		12
WELL 1117	SI	6	10	<	0.12	<	4.2
WELL 1117	SO4	6	37		33		35
WELL 1117	SR	6	0.75		0.64		0.69
WELL 1117	TI	6	0.020	<	0.012	<	0.015
WELL 1117	TOTAL URANIUM	6	0.0040		0.0010		0.0018
WELL 1117	V	6	0.012	<	0.0066	<	0.0082
WELL 1117	ZN	6	0.026	<	0.0018	<	0.014
WELL 1117	CONDUCTIVITY	6	0.70		0.26		0.50
WELL 1117	DO	6	8.8		0.90		5.0
WELL 1117	PH	6	7.6		7.2		7.4
WELL 1117	TEMPERATURE	6	20		13		16
WELL 1126	ACETONE	4	12	<	10	<	11
WELL 1126	METHYLENE CHLORIDE	4	61	<	1.0	<	18
WELL 1126	GROSS ALPHA	4	0.24		0		0.067
WELL 1126	GROSS BETA	4	0.23		0		0.077
WELL 1126	TOTAL SR	4	0.10		-0.040		0.029
WELL 1126	TRITIUM	4	35		-20		9.8
WELL 1126	AL	4	0.19		0.037		0.14
WELL 1126	ALKALINITY	4	120		110		110

Table B.9. (continued)

Media=Ground water Area=SWSA 7

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
WELL 1126	BA	4	0.31		0.13		0.18
WELL 1126	BE	4	0.0021	<	0.00018	<	0.0011
WELL 1126	CA	4	47		35		41
WELL 1126	CL	4	1.2		1.0		1.1
WELL 1126	CR	4	0.024	<	0.0036	<	0.010
WELL 1126	CU	4	0.021	<	0.010	<	0.016
WELL 1126	FE	4	0.028	<	0.012	<	0.018
WELL 1126	HG	4	0.00020	<	0.00010	<	0.00013
WELL 1126	MG	4	4.4		3.4		3.8
WELL 1126	MN	4	0.015	<	0.0033	<	0.0080
WELL 1126	NA	4	6.4		3.6		4.4
WELL 1126	NI	4	0.036	<	0.0036	<	0.015
WELL 1126	SI	4	25		0.77		8.6
WELL 1126	SO4	4	7.1	<	5.0	<	5.8
WELL 1126	SR	4	0.11		0.070		0.087
WELL 1126	TI	4	0.020	<	0.012	<	0.016
WELL 1126	TOTAL URANIUM	4	0.0020		0.0010		0.0013
WELL 1126	V	4	0.012	<	0.0030	<	0.0057
WELL 1126	ZN	4	0.045	<	0.0080	<	0.027
WELL 1126	CONDUCTIVITY	4	0.80		0.070		0.41
WELL 1126	DO	4	8.4		1.2		5.5
WELL 1126	PH	4	8.5		7.8		8.1
WELL 1126	TEMPERATURE	4	20		14		17
WELL 7-12	2-BUTANONE	4	32	<	10	<	16
WELL 7-12	METHYLENE CHLORIDE	4	67	<	1.0	<	20
WELL 7-12	GROSS ALPHA	4	0.90		0.067		0.38
WELL 7-12	GROSS BETA	4	1.2		0.050		0.48
WELL 7-12	TOTAL SR	4	0.084		-0.0010		0.031
WELL 7-12	TRITIUM	4	10		-100		-30
WELL 7-12	AL	4	0.83	<	0.12	<	0.35
WELL 7-12	ALKALINITY	4	370		360		360
WELL 7-12	B	4	0.080	<	0.052	<	0.066
WELL 7-12	BA	4	0.030		0.017		0.020
WELL 7-12	BE	4	0.0048	<	0.0011	<	0.0025
WELL 7-12	CA	4	420		380		400
WELL 7-12	CL	4	14		13		14
WELL 7-12	CO	4	0.0081	<	0.0018	<	0.0040
WELL 7-12	CR	4	0.024	<	0.0039	<	0.0097
WELL 7-12	F	4	1.9		1.5		1.8
WELL 7-12	FE	4	0.11	<	0.020	<	0.062
WELL 7-12	HG	4	0.00030	<	0.00010	<	0.00015

Table B.9. (continued)

Media=Ground water Area=SWSA 7

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
WELL 7-12	LI	4	0.36	<	0.20	<	0.29
WELL 7-12	MG	4	160		140		150
WELL 7-12	MN	4	0.46		0.16		0.31
WELL 7-12	NA	4	61	<	0.20	<	43
WELL 7-12	NI	4	0.036	<	0.0037	<	0.013
WELL 7-12	SI	4	13		0.80		7.3
WELL 7-12	SO4	4	1700		1200		1400
WELL 7-12	SR	4	6.4		2.0		3.9
WELL 7-12	TI	4	0.020	<	0.012	<	0.018
WELL 7-12	TOTAL URANIUM	4	0.0030	<	0.0010	<	0.0015
WELL 7-12	V	4	0.012	<	0.0024	<	0.0074
WELL 7-12	ZN	4	0.014	<	0.0083	<	0.011
WELL 7-12	CONDUCTIVITY	4	2.6		1.0		1.8
WELL 7-12	DO	4	8.7		6.1		7.5
WELL 7-12	PH	4	7.3		7.0		7.1
WELL 7-12	TEMPERATURE	4	20		16		17
WELL 7-13	2-BUTANONE	4	43	<	10	<	18
WELL 7-13	ETHYLBENZENE	4	5.0	<	3.0	<	4.5
WELL 7-13	METHYLENE CHLORIDE	4	10	<	1.0	<	5.5
WELL 7-13	TOLUENE	4	5.0	<	1.0	<	4.0
WELL 7-13	XYLENE (TOTAL)	4	10	<	4.0	<	6.0
WELL 7-13	GROSS ALPHA	4	0.17		0		0.060
WELL 7-13	GROSS BETA	4	0.42		0		0.26
WELL 7-13	TOTAL SR	4	0.24		0.010		0.078
WELL 7-13	TRITIUM	4	8.0		-2.0		2.5
WELL 7-13	AL	4	0.16	<	0.060	<	0.12
WELL 7-13	ALKALINITY	4	150		140		140
WELL 7-13	B	4	0.080	<	0.048	<	0.065
WELL 7-13	BA	4	0.25		0.16		0.20
WELL 7-13	BE	4	0.0017	<	0.00030	<	0.0010
WELL 7-13	CA	4	35		26		31
WELL 7-13	CL	4	1.0		1.0		1.0
WELL 7-13	CR	4	0.024	<	0.0050	<	0.011
WELL 7-13	FE	4	0.046	<	0.018	<	0.026
WELL 7-13	HG	4	0.00050	<	0.00010	<	0.00020
WELL 7-13	MG	4	12		9.6		11
WELL 7-13	MN	4	0.091		0.0052		0.039
WELL 7-13	NA	4	16		11		14
WELL 7-13	SI	4	9.2		3.1		6.9
WELL 7-13	SO4	4	9.6		7.7		8.9
WELL 7-13	SR	4	0.69		0.54		0.62

Table B.9. (continued)

Media=Ground water Area=SWSA 7

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
WELL 7-13	TOTAL URANIUM	4	0.0020	<	0.0010	<	0.0013
WELL 7-13	V	4	0.012	<	0.0062	<	0.0090
WELL 7-13	ZN	4	0.012	<	0.0030	<	0.0085
WELL 7-13	CONDUCTIVITY	4	0.90		0.17		0.57
WELL 7-13	DO	4	8.8		5.2		7.1
WELL 7-13	PH	4	8.3		7.8		8.2
WELL 7-13	TEMPERATURE	4	20		12		16
WELL 7-16	2-BUTANONE	4	100	<	10	<	33
WELL 7-16	METHYLENE CHLORIDE	4	5.0	<	1.0	<	3.8
WELL 7-16	TOLUENE	4	5.0	<	1.0	<	4.0
WELL 7-16	GROSS ALPHA	4	0.70		0.038		0.27
WELL 7-16	GROSS BETA	4	0.71		0.17		0.38
WELL 7-16	TOTAL SR	4	0.033		-0.040		-0.010
WELL 7-16	TRITIUM	4	9.0		-6.0		0
WELL 7-16	AL	4	0.44	<	0.047	<	0.21
WELL 7-16	ALKALINITY	4	300		260		280
WELL 7-16	B	4	0.080	<	0.048	<	0.057
WELL 7-16	BA	4	0.044		0.021		0.028
WELL 7-16	BE	4	0.0027	<	0.00018	<	0.0014
WELL 7-16	CA	4	120		93		110
WELL 7-16	CL	4	2.7		2.4		2.5
WELL 7-16	CR	4	0.024	<	0.0036	<	0.0090
WELL 7-16	CU	4	0.012	<	0.0066	<	0.0092
WELL 7-16	F	4	1.0	<	1.0	<	1.0
WELL 7-16	FE	4	0.13	<	0.012	<	0.059
WELL 7-16	HG	4	0.00020	<	0.00010	<	0.00013
WELL 7-16	MG	4	51		40		45
WELL 7-16	MN	4	0.54		0.41		0.49
WELL 7-16	NA	4	28		7.9		19
WELL 7-16	NI	4	0.036	<	0.0036	<	0.012
WELL 7-16	SI	4	9.1		0.64		4.0
WELL 7-16	SO4	4	250		210		240
WELL 7-16	SR	4	0.46		0.33		0.39
WELL 7-16	TI	4	0.020	<	0.012	<	0.015
WELL 7-16	TOTAL URANIUM	4	0.0020	<	0.0010	<	0.0013
WELL 7-16	V	4	0.012	<	0.0052	<	0.0080
WELL 7-16	ZN	4	0.21		0.0096		0.066
WELL 7-16	CONDUCTIVITY	4	0.62		0.40		0.52
WELL 7-16	DO	4	8.5		4.8		7.5
WELL 7-16	PH	4	7.7		7.3		7.6
WELL 7-16	TEMPERATURE	4	20		13		18

Table B.9. (continued)

Media=Ground water Area=SWSA 7

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
WELL 7-4	ACETONE	4	12	<	10	<	11
WELL 7-4	METHYLENE CHLORIDE	4	5.0	<	1.0	<	3.8
WELL 7-4	TOLUENE	4	5.0	<	3.0	<	4.5
WELL 7-4	GROSS ALPHA	4	0.34		0		0.11
WELL 7-4	GROSS BETA	4	1.2		0.19		0.52
WELL 7-4	TOTAL SR	4	0.087		-0.070		0.0085
WELL 7-4	TRITIUM	4	49		4.0		33
WELL 7-4	AL	4	0.39	<	0.080	<	0.20
WELL 7-4	ALKALINITY	4	280		250		260
WELL 7-4	BA	4	0.15		0.10		0.12
WELL 7-4	BE	4	0.0025	<	0.00030	<	0.0013
WELL 7-4	CA	4	100		82		94
WELL 7-4	CL	4	3.3		1.9		2.6
WELL 7-4	CR	4	0.024	<	0.0050	<	0.011
WELL 7-4	CU	4	0.012	<	0.0079	<	0.010
WELL 7-4	FE	4	0.064	<	0.020	<	0.034
WELL 7-4	HG	4	0.00020	<	0.00010	<	0.00013
WELL 7-4	MG	4	14		9.5		12
WELL 7-4	MN	4	0.058		0.0042		0.019
WELL 7-4	NA	4	5.6		3.9		4.7
WELL 7-4	NI	4	0.036	<	0.0057	<	0.013
WELL 7-4	SI	4	6.4		4.2		5.3
WELL 7-4	SO4	4	22		11		16
WELL 7-4	SR	4	0.16		0.12		0.14
WELL 7-4	TOTAL URANIUM	4	0.0010	<	0.0010	<	0.0010
WELL 7-4	V	4	0.012	<	0.0065	<	0.0063
WELL 7-4	ZN	4	0.028		0.0034		0.016
WELL 7-4	CONDUCTIVITY	4	0.90		0.34		0.59
WELL 7-4	DO	4	7.1		4.4		6.1
WELL 7-4	PH	4	7.7		6.8		7.2
WELL 7-4	TEMPERATURE	4	20		15		17
WELL 7-5	ACETONE	4	38	<	10	<	17
WELL 7-5	METHYLENE CHLORIDE	4	10		1.0		5.0
WELL 7-5	XYLENE (TOTAL)	4	5.0	<	5.0	<	5.0
WELL 7-5	GROSS ALPHA	4	0.33		0		0.13
WELL 7-5	GROSS BETA	4	0.68		0		0.21
WELL 7-5	TOTAL SR	4	0.16		-0.020		0.033
WELL 7-5	TRITIUM	4	22		5.0		12
WELL 7-5	AL	4	0.26	<	0.071	<	0.16
WELL 7-5	ALKALINITY	4	200		170		190
WELL 7-5	BA	4	0.13		0.11		0.12

Table B.9. (continued)

Media=Ground water Area=SWSA 7

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
WELL 7-5	BE	4	0.0024	<	0.00030	<	0.0012
WELL 7-5	CA	4	75		57		64
WELL 7-5	CL	4	1.8		1.0		1.2
WELL 7-5	CR	4	0.024	<	0.0050	<	0.010
WELL 7-5	FE	4	0.084	<	0.012	<	0.034
WELL 7-5	HG	4	0.00020	<	0.00010	<	0.00013
WELL 7-5	MG	4	11		6.5		8.9
WELL 7-5	MN	4	0.057		0.0076		0.025
WELL 7-5	NA	4	7.1		4.5		5.9
WELL 7-5	P	4	0.30	<	0.18	<	0.24
WELL 7-5	SI	4	9.1		3.9		6.8
WELL 7-5	SO4	4	11		8.5		10
WELL 7-5	SR	4	0.20		0.11		0.15
WELL 7-5	TI	4	0.022	<	0.012	<	0.019
WELL 7-5	TOTAL URANIUM	4	0.0020	<	0.0010	<	0.0013
WELL 7-5	V	4	0.012	<	0.0040	<	0.0085
WELL 7-5	ZN	4	0.014	<	0.0045	<	0.0096
WELL 7-5	CONDUCTIVITY	4	0.90		0.17		0.47
WELL 7-5	DO	4	9.0		3.7		5.6
WELL 7-5	PH	4	7.9		7.4		7.7
WELL 7-5	TEMPERATURE	4	20		15		17
WELL 7-7	2-BUTANONE	4	30	<	10	<	15
WELL 7-7	ETHYLBENZENE	4	5.0	<	1.0	<	4.0
WELL 7-7	METHYLENE CHLORIDE	4	21	<	1.0	<	8.3
WELL 7-7	XYLENE (TOTAL)	4	5.0	<	5.0	<	5.0
WELL 7-7	GROSS ALPHA	4	0.049		0		0.012
WELL 7-7	GROSS BETA	4	0.35		0		0.16
WELL 7-7	TOTAL SR	4	0.080		0.010		0.031
WELL 7-7	TRITIUM	4	11		-20		-2.0
WELL 7-7	AL	4	0.060	<	0.036	<	0.049
WELL 7-7	ALKALINITY	4	250		240		240
WELL 7-7	B	4	0.45		0.36		0.39
WELL 7-7	BA	4	0.16		0.14		0.15
WELL 7-7	BE	4	0.0010	<	0.00018	<	0.00052
WELL 7-7	CA	4	6.5		5.8		6.1
WELL 7-7	CL	4	10		7.8		8.7
WELL 7-7	CR	4	0.0066	<	0.0036	<	0.0053
WELL 7-7	F	4	1.3	<	1.0	<	1.1
WELL 7-7	FE	4	0.060	<	0.016	<	0.029
WELL 7-7	HG	4	0.00050	<	0.00010	<	0.00020
WELL 7-7	LI	4	0.20	<	0.12	<	0.16

Table B.9. (continued)

Media=Ground water Area=SWSA 7

Station	Analyte	No. of samples	Max	Qualifier	Min	Qualifier	Ave
WELL 7-7	MG	4	7.7		6.6		7.0
WELL 7-7	NA	4	93	<	0.20	<	69
WELL 7-7	NI	4	0.010	<	0.0036	<	0.0059
WELL 7-7	SI	4	6.8		0.30		3.6
WELL 7-7	SO4	4	13		10		12
WELL 7-7	SR	4	0.53		0.46		0.49
WELL 7-7	TOTAL URANIUM	4	0.0020	<	0.0010	<	0.0013
WELL 7-7	V	4	0.0072	<	0.0042	<	0.0057
WELL 7-7	ZN	4	0.050	<	0.0030	<	0.016
WELL 7-7	CONDUCTIVITY	3	1.0		0.37		0.62
WELL 7-7	DO	3	9.2		3.7		5.8
WELL 7-7	PH	3	8.8		8.4		8.6
WELL 7-7	TEMPERATURE	3	20		14		16

Media=Ground water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qualifier	Min	Qualifier	Ave
WELL 18-A	GROSS ALPHA	1	0.027		0.027		0.027
WELL 18-A	GROSS BETA	1	0.91		0.91		0.91
WELL 18-A	TOTAL SR	1	0.33		0.33		0.33
WELL 18-A	TRITIUM	1	-30		-30		-30
WELL 18-A	AL	1	0.039		0.039		0.039
WELL 18-A	ALKALINITY	1	85		85		85
WELL 18-A	BA	1	0.017		0.017		0.017
WELL 18-A	CA	1	29		29		29
WELL 18-A	CL	1	1.0		1.0		1.0
WELL 18-A	MG	1	6.3		6.3		6.3
WELL 18-A	MN	1	0.0055		0.0055		0.0055
WELL 18-A	NA	1	0.72		0.72		0.72
WELL 18-A	SI	1	2.8		2.8		2.8
WELL 18-A	SO4	1	5.8		5.8		5.8
WELL 18-A	SR	1	0.026		0.026		0.026
WELL 18-A	V	1	0.0058		0.0058		0.0058
WELL 18-A	CONDUCTIVITY	1	0.30		0.30		0.30
WELL 18-A	DO	1	8.9		8.9		8.9
WELL 18-A	PH	1	7.4		7.4		7.4
WELL 18-A	TEMPERATURE	1	12		12		12
WELL 18-B	METHYLENE CHLORIDE	7	50	<	1.0	<	11

Table B.9. (continued)

Media=Ground water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
WELL 18-B	TOLUENE	7	5.0	<	1.0	<	3.9
WELL 18-B	GROSS ALPHA	7	0.84		0.0060		0.22
WELL 18-B	GROSS BETA	7	2.5		0		0.55
WELL 18-B	TOTAL SR	7	0.29		-0.040		0.083
WELL 18-B	TRITIUM	7	17		-40		-2.0
WELL 18-B	AL	7	0.24	<	0.045	<	0.14
WELL 18-B	ALKALINITY	7	170		130		160
WELL 18-B	BA	7	0.051		0.023		0.034
WELL 18-B	BE	7	0.0022	<	0.00018	<	0.0012
WELL 18-B	CA	7	54		40		47
WELL 18-B	CL	7	2.1		1.6		1.9
WELL 18-B	CR	7	0.024	<	0.0036	<	0.010
WELL 18-B	HG	7	0.00020	<	0.00010	<	0.00011
WELL 18-B	MG	7	14		8.5		11
WELL 18-B	MN	7	0.018		0.0050		0.013
WELL 18-B	NA	7	3.1		1.9		2.4
WELL 18-B	SI	7	3.4		1.3		2.7
WELL 18-B	SO4	7	8.2		5.0		7.0
WELL 18-B	SR	7	0.14		0.092		0.12
WELL 18-B	TOTAL URANIUM	7	0.0020	<	0.0010	<	0.0013
WELL 18-B	V	7	0.012	<	0.0069	<	0.0006
WELL 18-B	ZN	7	0.045	<	0.0029	<	0.019
WELL 18-B	CONDUCTIVITY	7	0.80		0.40		0.60
WELL 18-B	DO	7	7.3		5.3		6.4
WELL 18-B	PH	7	7.7		7.2		7.5
WELL 18-B	TEMPERATURE	7	23		14		17
WELL 3-A	ETHYLBENZENE	4	5.0	<	2.0	<	4.3
WELL 3-A	METHYLENE CHLORIDE	4	18	<	1.0	<	7.3
WELL 3-A	TOLUENE	4	5.0	<	2.0	<	4.3
WELL 3-A	GROSS ALPHA	4	3.4		0		0.87
WELL 3-A	GROSS BETA	4	0.37		0.050		0.15
WELL 3-A	TOTAL SR	4	0.39		-0.010		0.14
WELL 3-A	TRITIUM	4	22		-30		-0.30
WELL 3-A	AL	4	0.19	<	0.036	<	0.12
WELL 3-A	ALKALINITY	4	160		110		130
WELL 3-A	BA	4	0.077		0.0090		0.030
WELL 3-A	BE	4	0.0017	<	0.00018	<	0.00096
WELL 3-A	CA	4	38		21		29
WELL 3-A	CL	4	3.6		1.0		1.9
WELL 3-A	CO	4	0.023	<	0.0020	<	0.013
WELL 3-A	CR	4	0.024	<	0.0036	<	0.0097

Table B.9. (continued)

Media=Ground water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
WELL 3-A	CU	4	0.012	<	0.0075	<	0.0095
WELL 3-A	FE	4	0.037	<	0.012	<	0.025
WELL 3-A	MG	4	19		9.3		13
WELL 3-A	MN	4	5.4		1.5		3.4
WELL 3-A	NA	4	3.2		1.0		1.8
WELL 3-A	NI	4	0.036	<	0.0036	<	0.012
WELL 3-A	SI	4	3.5		0.72		2.5
WELL 3-A	SO4	4	8.3	<	5.0	<	5.8
WELL 3-A	SR	4	0.047		0.034		0.038
WELL 3-A	TOTAL URANIUM	4	0.0030	<	0.0010	<	0.0015
WELL 3-A	V	4	0.012	<	0.0069	<	0.0088
WELL 3-A	ZN	4	0.17		0.014		0.055
WELL 3-A	CONDUCTIVITY	4	0.90		0.20		0.60
WELL 3-A	DO	4	8.6		4.9		6.2
WELL 3-A	PH	4	7.1		6.8		7.0
WELL 3-A	TEMPERATURE	4	22		13		17
WELL 3-B	2-BUTANONE	4	14	<	10	<	11
WELL 3-B	ETHYLBENZENE	4	5.0	<	2.0	<	4.3
WELL 3-B	METHYLENE CHLORIDE	4	18	<	1.0	<	7.3
WELL 3-B	TOLUENE	4	11	<	5.0	<	6.5
WELL 3-B	XYLENE (TOTAL)	4	5.0	<	2.0	<	4.3
WELL 3-B	GROSS ALPHA	4	0.25		0		0.092
WELL 3-B	GROSS BETA	4	1.2		0		0.36
WELL 3-B	TOTAL SR	4	0.19		0.011		0.078
WELL 3-B	TRITIUM	4	14		1.0		7.0
WELL 3-B	AL	4	0.17	<	0.061	<	0.12
WELL 3-B	ALKALINITY	4	180		170		170
WELL 3-B	BA	4	0.18		0.023		0.064
WELL 3-B	BE	4	0.0019	<	0.00018	<	0.0010
WELL 3-B	CA	4	37		29		35
WELL 3-B	CL	4	3.2		1.0		1.7
WELL 3-B	CR	4	0.024	<	0.0036	<	0.0097
WELL 3-B	CU	4	0.012	<	0.0060	<	0.0092
WELL 3-B	FE	4	0.054	<	0.012	<	0.035
WELL 3-B	MG	4	22		19		20
WELL 3-B	MN	4	0.10		0.034		0.057
WELL 3-B	NA	4	5.9		0.65		3.0
WELL 3-B	SI	4	4.0		1.5		3.1
WELL 3-B	SO4	4	6.6	<	5.0	<	5.4
WELL 3-B	SR	4	0.041		0.021		0.029
WELL 3-B	TOTAL URANIUM	4	0.0020	<	0.0010	<	0.0013

Table B.9. (continued)

Media=Ground water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qualifier	Min	Qualifier	Ave
WELL 3-B	V	4	0.012	<	0.0056	<	0.0084
WELL 3-B	ZN	4	0.037	<	0.0018	<	0.015
WELL 3-B	CONDUCTIVITY	4	0.90		0.30		0.63
WELL 3-B	DO	4	8.9		4.4		6.6
WELL 3-B	PH	4	8.0		7.4		7.7
WELL 3-B	TEMPERATURE	4	22		14		17
WELL 6-A	ETHYLBENZENE	4	5.0	<	2.0	<	4.3
WELL 6-A	METHYLENE CHLORIDE	4	9.0	<	1.0	<	5.0
WELL 6-A	TOLUENE	4	5.0	<	2.0	<	3.8
WELL 6-A	XYLENE (TOTAL)	4	5.0	<	2.0	<	4.3
WELL 6-A	GROSS ALPHA	4	0.044		0		0.015
WELL 6-A	GROSS BETA	4	0.91		0.051		0.47
WELL 6-A	TOTAL SR	4	0.14		-0.10		0.018
WELL 6-A	TRITIUM	4	7.0		-8.0		1.5
WELL 6-A	AL	4	0.27	<	0.036	<	0.12
WELL 6-A	ALKALINITY	4	89		46		72
WELL 6-A	BA	4	0.059		0.014		0.036
WELL 6-A	BE	4	0.0012	<	0.00018	<	0.00068
WELL 6-A	CA	4	18		11		15
WELL 6-A	CL	4	1.0		1.0		1.0
WELL 6-A	CR	4	0.024	<	0.0036	<	0.010
WELL 6-A	FE	4	0.13	<	0.012	<	0.044
WELL 6-A	HG	4	0.00020	<	0.00010	<	0.00013
WELL 6-A	MG	4	10		5.3		7.9
WELL 6-A	MN	4	180		0.011		45
WELL 6-A	MO	4	0.040	<	0.024	<	0.028
WELL 6-A	NA	4	6.3	<	0.17	<	1.9
WELL 6-A	SI	4	3.5	<	0.12	<	2.2
WELL 6-A	SR	4	0.015		0.011		0.013
WELL 6-A	TOTAL URANIUM	4	0.0020	<	0.0010	<	0.0013
WELL 6-A	V	4	0.012	<	0.0044	<	0.0072
WELL 6-A	ZN	4	0.045		0.0033		0.018
WELL 6-A	CONDUCTIVITY	4	0.80		0.20		0.50
WELL 6-A	DO	4	7.8		5.3		6.5
WELL 6-A	PH	4	7.6		6.8		7.2
WELL 6-A	TEMPERATURE	4	20		14		17
WELL 6-B	BROMODICHLOROMETHANE	4	5.0	<	2.0	<	4.3
WELL 6-B	CARBON TETRACHLORIDE	4	9.0	<	5.0	<	6.0
WELL 6-B	CHLOROFORM	4	10	<	5.0	<	6.3
WELL 6-B	METHYLENE CHLORIDE	4	22	<	1.0	<	8.0
WELL 6-B	XYLENE (TOTAL)	4	5.0	<	4.0	<	4.8

Table B.9. (continued)

Media=Ground water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
WELL 6-B	GROSS ALPHA	4	0.41		0		0.11
WELL 6-B	GROSS BETA	4	0.88		0.036		0.36
WELL 6-B	TOTAL SR	4	0.12		-0.040		0.021
WELL 6-B	TRITIUM	4	18		-5.0		8.3
WELL 6-B	AL	4	0.12	<	0.036	<	0.083
WELL 6-B	ALKALINITY	4	120		50		94
WELL 6-B	BA	4	0.13		0.023		0.074
WELL 6-B	BE	4	0.0012	<	0.00018	<	0.00064
WELL 6-B	CA	4	26		15		21
WELL 6-B	CL	4	4.8		1.0		2.4
WELL 6-B	CR	4	0.024	<	0.0036	<	0.0098
WELL 6-B	CU	4	0.012	<	0.0060	<	0.0085
WELL 6-B	FE	4	0.42	<	0.012	<	0.13
WELL 6-B	HG	4	0.00020	<	0.00010	<	0.00013
WELL 6-B	MG	4	14		5.4		10
WELL 6-B	MN	4	0.011	<	0.0030	<	0.0067
WELL 6-B	NA	4	2.5		0.52		1.1
WELL 6-B	SI	4	2.8	<	0.12	<	1.8
WELL 6-B	SO4	4	10	<	5.0	<	6.3
WELL 6-B	SR	4	0.035		0.016		0.024
WELL 6-B	TI	4	0.020	<	0.012	<	0.016
WELL 6-B	TOTAL URANIUM	4	0.0020		0.0010		0.0013
WELL 6-B	V	4	0.012	<	0.0048	<	0.0078
WELL 6-B	ZN	4	0.032	<	0.0059	<	0.017
WELL 6-B	CONDUCTIVITY	4	0.70		0.30		0.55
WELL 6-B	DO	4	8.9		5.4		7.4
WELL 6-B	PH	4	7.9		7.3		7.5
WELL 6-B	TEMPERATURE	4	17		14		16
WELL 9-A	METHYLENE CHLORIDE	3	5.0	<	5.0	<	5.0
WELL 9-A	GROSS ALPHA	2	0.70		0.34		0.52
WELL 9-A	GROSS BETA	2	0.090		0		0.045
WELL 9-A	TOTAL SR	2	0.019		0.010		0.015
WELL 9-A	TRITIUM	2	26		-4.0		11
WELL 9-A	AL	2	0.11	<	0.036	<	0.073
WELL 9-A	ALKALINITY	2	90		73		81
WELL 9-A	BA	2	0.012		0.0092		0.011
WELL 9-A	BE	2	0.00052	<	0.00018	<	0.00035
WELL 9-A	CA	2	22		17		20
WELL 9-A	CL	2	2.6		1.2		1.9
WELL 9-A	CR	2	0.0081	<	0.0036	<	0.0059
WELL 9-A	FE	2	0.019	<	0.012	<	0.016

Table B.9. (continued)

Media=Ground water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qualifier	Min	Qualifier	Ave
WELL 9-A	HG	2	0.00010	<	0.00010	<	0.00010
WELL 9-A	MG	2	9.7		8.3		9.0
WELL 9-A	MN	2	0.027		0.0086		0.018
WELL 9-A	NA	2	1.8		0.50		1.2
WELL 9-A	SI	2	2.6		2.5		2.6
WELL 9-A	SO4	2	6.4	<	5.0	<	5.7
WELL 9-A	SR	2	0.028		0.0098		0.019
WELL 9-A	TOTAL URANIUM	2	0.0010	<	0.0010	<	0.0010
WELL 9-A	V	2	0.0078		0.0069		0.0074
WELL 9-A	ZN	2	0.011		0.0043		0.0077
WELL 9-A	CONDUCTIVITY	2	0.62		0.60		0.61
WELL 9-A	DO	2	11		8.0		9.3
WELL 9-A	PH	2	7.5		7.0		7.3
WELL 9-A	TEMPERATURE	2	20		16		18
WELL 9-B	METHYLENE CHLORIDE	4	6.0	<	1.0	<	4.3
WELL 9-B	TOLUENE	4	5.0	<	1.0	<	4.0
WELL 9-B	GROSS ALPHA	4	0.70		0		0.24
WELL 9-B	GROSS BETA	4	0.68		0		0.26
WELL 9-B	TOTAL SR	4	0.26		-0.070		0.076
WELL 9-B	TRITIUM	4	11		-9.0		-1.0
WELL 9-B	AL	4	0.68	<	0.12	<	0.28
WELL 9-B	ALKALINITY	4	160	<	0.50	<	120
WELL 9-B	BA	4	0.046		0.0081		0.019
WELL 9-B	BE	4	0.0013	<	0.00018	<	0.00092
WELL 9-B	CA	4	31		31		31
WELL 9-B	CD	4	0.0030	<	0.0010	<	0.0017
WELL 9-B	CL	4	18	<	1.0	<	3.3
WELL 9-B	CR	4	0.024	<	0.0050	<	0.011
WELL 9-B	CU	4	0.012	<	0.0060	<	0.0088
WELL 9-B	FE	4	0.33	<	0.018	<	0.10
WELL 9-B	MG	4	19		18		19
WELL 9-B	MN	4	0.097		0.0051		0.034
WELL 9-B	NA	4	3.5		0.25		1.9
WELL 9-B	NI	4	0.036	<	0.0036	<	0.014
WELL 9-B	SI	4	3.6	<	0.12	<	2.6
WELL 9-B	SR	4	0.018		0.013		0.016
WELL 9-B	TI	4	0.039	<	0.012	<	0.021
WELL 9-B	TOTAL URANIUM	4	0.0020	<	0.0010	<	0.0013
WELL 9-B	V	4	0.012	<	0.0068	<	0.0095
WELL 9-B	ZN	4	0.020	<	0.0083	<	0.013
WELL 9-B	CONDUCTIVITY	4	0.70		0.29		0.42

Table B.9. (continued)

Media=Ground water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
WELL 9-B	DO	4	8.3		7.0		7.8
WELL 9-B	PH	4	7.9		7.7		7.8
WELL 9-B	TEMPERATURE	4	18		13		16
WELL PW6	METHYLENE CHLORIDE	4	22	<	1.0	<	8.3
WELL PW6	TOLUENE	4	5.0	<	2.0	<	4.3
WELL PW6	GROSS ALPHA	4	0.55		0.0090		0.21
WELL PW6	GROSS BETA	4	0.25		0.10		0.19
WELL PW6	TOTAL SR	4	0.10		-0.10		-0.010
WELL PW6	TRITIUM	4	36		-40		8.8
WELL PW6	AL	4	0.73	<	0.036	<	0.24
WELL PW6	ALKALINITY	4	140		48		74
WELL PW6	BA	4	0.059		0.014		0.029
WELL PW6	BE	4	0.0012	<	0.00018	<	0.00075
WELL PW6	CA	4	32		11		17
WELL PW6	CL	4	14		1.3		4.6
WELL PW6	CR	4	0.024	<	0.0036	<	0.010
WELL PW6	CU	4	0.012	<	0.0060	<	0.0086
WELL PW6	FE	4	0.39	<	0.012	<	0.13
WELL PW6	MG	4	17		5.8		9.1
WELL PW6	MN	4	0.075		0.0052		0.032
WELL PW6	NA	4	0.74		0.45		0.58
WELL PW6	SI	4	3.1	<	0.12	<	2.1
WELL PW6	SR	4	0.030		0.011		0.016
WELL PW6	TI	4	0.026	<	0.012	<	0.018
WELL PW6	TOTAL URANIUM	4	0.0020	<	0.0010	<	0.0013
WELL PW6	V	4	0.012	<	0.0045	<	0.0068
WELL PW6	ZN	4	0.083	<	0.0018	<	0.027
WELL PW6	CONDUCTIVITY	4	0.80		0.10		0.45
WELL PW6	DO	4	8.1		3.6		5.9
WELL PW6	PH	4	7.8		7.2		7.5
WELL PW6	TEMPERATURE	4	18		14		16

Table B.10. Summary of the 1st - 4th quarters of LLWDDD sampling

(Note: Radionuclides are in Bq/L - Inorganics are in mg/L - Organics are in ug/L - Conductivity is in ms/cm and Temperature is in degrees C)

Media=Surface water

Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
ACETONE	51	400	<	2.0	<	19
BENZENE	51	5.0	<	1.0	<	4.5
CARBON DISULFIDE	51	5.0	<	1.0	<	4.9
CARBON TETRACHLORIDE	51	5.0	<	1.0	<	4.9
ETHYLBENZENE	51	5.0	<	2.0	<	4.6
METHYLENE CHLORIDE	51	320	<	1.0	<	12
TOLUENE	51	5.0	<	1.0	<	4.9
XYLENE (TOTAL)	51	5.0	<	2.0	<	4.7
GROSS ALPHA	51	1.6		0		0.37
GROSS BETA	51	5.2		0		0.91
TOTAL SR	51	1.1		-0.070		0.088
TRITIUM	51	120		-7.0		45
AL	51	0.34	<	0.036	<	0.13
ALKALINITY	51	180		11		93
B	51	0.52	<	0.048	<	0.10
BA	51	0.27	<	0.010	<	0.087
BE	51	0.0025	<	0.00018	<	0.00092
CA	51	91		3.5		34
CD	51	0.0030	<	0.0010	<	0.0017
CL	51	30		1.0		6.0
CR	51	0.024	<	0.0036	<	0.010
CU	51	0.012	<	0.0060	<	0.0085
FE	51	0.15	<	0.012	<	0.039
HG	51	0.00020	<	0.00010	<	0.00010
LI	51	0.24	<	0.12	<	0.14
MG	51	23		1.9		8.4
MN	51	1.8	<	0.0030	<	0.083
NA	51	15	<	0.17	<	4.2
NI	51	0.036	<	0.0036	<	0.013
NO3	51	130	<	5.0	<	17
SI	51	6.5		0.77		2.6
SO4	51	83	<	5.0	<	16
SR	51	0.22		0.0093		0.070
TI	51	0.11	<	0.012	<	0.017
TOTAL URANIUM	51	0.0070	<	0.0010	<	0.0013
V	51	0.012	<	0.0024	<	0.0070
ZN	51	0.067	<	0.0018	<	0.012
CONDUCTIVITY	51	0.90		0		0.39
DO	51	12		1.6		7.9
PH	51	8.8		5.9		7.7
TEMPERATURE	51	25		6.1		16

Table B.11. Summary of the 1st - 4th quarters of LLWDDD sampling

(Note: Radionuclides are in Bq/L - Inorganics are in mg/L - Organics are in ug/L - Conductivity is in ms/cm and Temperature is in degrees C)

---------- Media-Surface water Area-Bear Creek Valley ----------

Analyte	No. of samples	Max	Qual-ifier	Min	Qual-fier	Ave
BENZENE	19	5.0	<	1.0	<	4.6
CARBON DISULFIDE	19	5.0	<	1.0	<	4.8
CARBON TETRACHLORIDE	19	5.0	<	1.0	<	4.8
ETHYLBENZENE	19	5.0	<	2.0	<	4.4
METHYLENE CHLORIDE	19	9.0	<	1.0	<	4.8
XYLENE (TOTAL)	19	5.0	<	2.0	<	4.5
GROSS ALPHA	19	1.6		0		0.55
GROSS BETA	19	5.2		0.25		1.6
TOTAL SR	19	1.1		-0.050		0.17
TRITIUM	19	110		-7.0		33
AL	19	0.34	<	0.036	<	0.14
ALKALINITY	19	180		23		96
B	19	0.52	<	0.048	<	0.18
BA	19	0.27	<	0.012	<	0.070
BE	19	0.0025	<	0.00018	<	0.00096
CA	19	91		14		42
CD	19	0.0030	<	0.0010	<	0.0018
CL	19	30		1.0		10
CR	19	0.024	<	0.0036	<	0.011
CU	19	0.012	<	0.0060	<	0.0088
FE	19	0.15	<	0.012	<	0.032
HG	19	0.00010	<	0.00010	<	0.00010
LI	19	0.24	<	0.12	<	0.15
MG	19	23		2.1		8.7
MN	19	0.16		0.0054		0.030
NA	19	15		2.7		6.3
NI	19	0.036	<	0.0036	<	0.014
NO3	19	130	<	5.0	<	37
SI	19	6.5		1.1		2.6
SO4	19	44		5.4		19
SR	19	0.22		0.040		0.10
TI	19	0.039	<	0.012	<	0.016
TOTAL URANIUM	19	0.0070	<	0.0010	<	0.0018
V	19	0.012	<	0.0024	<	0.0072
ZN	19	0.067	<	0.0018	<	0.011
CONDUCTIVITY	19	0.90		0		0.41
DO	19	12		1.6		8.4
PH	19	8.7		6.3		7.9
TEMPERATURE	19	22		6.1		16

Table B.11. (continued)

---------- Media=Surface water Area=West Chestnut Ridge ----------

Analyte	No. of samples	Max	Qual-ifier	Min	Qual-fier	Ave
BENZENE	19	5.0	<	1.0	<	4.4
ETHYLBENZENE	19	5.0	<	2.0	<	4.6
METHYLENE CHLORIDE	19	23	<	1.0	<	5.3
TOLUENE	19	5.0	<	1.0	<	4.8
XYLENE (TOTAL)	19	5.0	<	2.0	<	4.7
GROSS ALPHA	19	1.1		0		0.34
GROSS BETA	19	1.8		0		0.64
TOTAL SR	19	0.25		-0.060		0.034
TRITIUM	19	120		-5.0		48
AL	19	0.21	<	0.036	<	0.12
ALKALINITY	19	140		11		82
BA	19	0.23	<	0.010	<	0.056
BE	19	0.0020	<	0.00018	<	0.00081
CA	19	38		3.5		19
CD	19	0.0030	<	0.0010	<	0.0015
CL	19	8.9		1.0		2.4
CR	19	0.024	<	0.0036	<	0.0094
CU	19	0.012	<	0.0060	<	0.0082
FE	19	0.13	<	0.012	<	0.041
HG	19	0.00020	<	0.00010	<	0.00011
MG	19	19		1.9		10
MN	19	1.8	<	0.0030	<	0.13
NA	19	3.1	<	0.17	<	0.89
NI	19	0.036	<	0.0036	<	0.011
SI	19	4.2		0.77		2.5
SO4	19	8.3	<	5.0	<	5.2
SR	19	0.058		0.0093		0.022
TI	19	0.11	<	0.012	<	0.020
TOTAL URANIUM	19	0.0010	<	0.0010	<	0.0010
V	19	0.012	<	0.0024	<	0.0071
ZN	19	0.048	<	0.0018	<	0.010
CONDUCTIVITY	19	0.80		0		0.30
DO	19	12		2.9		7.8
PH	19	8.8		5.9		7.7
TEMPERATURE	19	25		6.7		16

Table B.11. (continued)

---------- Media=Surface water Area=SWSA 7 ----------

Analyte	No. of samples	Max	Qual-ifier	Min	Qual-fier	Ave
ACETONE	13	400	<	2.0	<	45
BENZENE	13	5.0	<	1.0	<	4.4
METHYLENE CHLORIDE	13	320	<	2.0	<	30
GROSS ALPHA	13	0.58		0.0090		0.15
GROSS BETA	13	1.5		0		0.35
TOTAL SR	13	0.18		-0.070		0.040
TRITIUM	13	120		17		58
AL	13	0.30	<	0.036	<	0.14
ALKALINITY	13	160		27		100
BA	13	0.21		0.031		0.080
BE	13	0.0024	<	0.00018	<	0.0010
CA	13	64		20		43
CD	13	0.0030	<	0.0010	<	0.0019
CL	13	15		1.4		5.3
CR	13	0.024	<	0.0036	<	0.011
CU	13	0.012	<	0.0060	<	0.0087
FE	13	0.083	<	0.020	<	0.045
HG	13	0.00010	<	0.00010	<	0.00010
MG	13	7.9		4.0		5.4
MN	13	0.36	<	0.0030	<	0.097
NA	13	8.2		4.3		5.9
NI	13	0.036	<	0.0036	<	0.015
SI	13	4.2		1.6		2.9
SO4	13	83		11		26
SR	13	0.12		0.060		0.092
TI	13	0.020	<	0.012	<	0.014
TOTAL URANIUM	13	0.0010	<	0.0010	<	0.0010
V	13	0.012	<	0.0024	<	0.0063
ZN	13	0.041	<	0.0035	<	0.017
CONDUCTIVITY	13	0.90		0.050		0.51
DO	13	11		2.2		7.1
PH	13	7.8		6.7		7.4
TEMPERATURE	13	23		6.2		17

Table B.12. Summary of the 1st - 4th quarters of LLWDDD sampling

(Note: Radionuclides are in Bq/L - Inorganics are in mg/L - Organics are in ug/L - Conductivity is in ms/cm and Temperature is in degrees C)

Media=Surface water Area=SWSA 7

Station	Analyte	No. of samples	Max	Qualifier	Min	Qualifier	Ave
CENT FLUME	ACETONE	3	33	<	10	<	18
CENT FLUME	METHYLENE CHLORIDE	3	12	<	3.0	<	6.7
CENT FLUME	GROSS ALPHA	3	0.25		0.0090		0.13
CENT FLUME	GROSS BETA	3	0.25		0		0.083
CENT FLUME	TOTAL SR	3	0.18		-0.010		0.099
CENT FLUME	TRITIUM	3	110		54		73
CENT FLUME	AL	3	0.19	<	0.058	<	0.12
CENT FLUME	ALKALINITY	3	120		70		100
CENT FLUME	BA	3	0.096		0.056		0.071
CENT FLUME	BE	3	0.0012	<	0.00018	<	0.00078
CENT FLUME	CA	3	49		37		43
CENT FLUME	CD	3	0.0030	<	0.0012	<	0.0023
CENT FLUME	CL	3	2.3		1.4		1.9
CENT FLUME	CR	3	0.024	<	0.0038	<	0.012
CENT FLUME	CU	3	0.012	<	0.0060	<	0.0082
CENT FLUME	FE	3	0.078		0.022		0.048
CENT FLUME	MG	3	5.8		5.1		5.3
CENT FLUME	MN	3	0.21		0.043		0.10
CENT FLUME	NA	3	5.3		4.3		4.7
CENT FLUME	NI	3	0.036	<	0.0036	<	0.016
CENT FLUME	SI	3	4.2		1.7		3.2
CENT FLUME	SO4	3	42		12		27
CENT FLUME	SR	3	0.089		0.080		0.086
CENT FLUME	TI	3	0.014	<	0.012	<	0.013
CENT FLUME	TOTAL URANIUM	3	0.0010	<	0.0010	<	0.0010
CENT FLUME	V	3	0.012	<	0.0024	<	0.0066
CENT FLUME	ZN	3	0.024		0.0076		0.016
CENT FLUME	CONDUCTIVITY	3	0.80		0.090		0.49
CENT FLUME	DO	3	11		4.9		7.9
CENT FLUME	PH	3	7.8		7.4		7.6
CENT FLUME	TEMPERATURE	3	22		6.3		16
EAST FLUME	ACETONE	4	10	<	2.0	<	6.0
EAST FLUME	BENZENE	4	5.0	<	1.0	<	4.0
EAST FLUME	METHYLENE CHLORIDE	4	11	<	2.0	<	5.3
EAST FLUME	GROSS ALPHA	4	0.25		0.065		0.17
EAST FLUME	GROSS BETA	4	0.75		0		0.31
EAST FLUME	TOTAL SR	4	0.11		0.010		0.040
EAST FLUME	TRITIUM	4	120		17		57
EAST FLUME	AL	4	0.23	<	0.053	<	0.14
EAST FLUME	ALKALINITY	4	140		56		110
EAST FLUME	BA	4	0.19		0.031		0.086

Table B.12. (continued)

Media=Surface water Area=SWSA 7

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
EAST FLUME	BE	4	0.0023	<	0.00018	<	0.0012
EAST FLUME	CA	4	53		30		45
EAST FLUME	CL	4	15		3.3		7.2
EAST FLUME	CR	4	0.024	<	0.0036	<	0.010
EAST FLUME	CU	4	0.012	<	0.0060	<	0.0091
EAST FLUME	FE	4	0.083		0.032		0.052
EAST FLUME	HG	4	0.00010	<	0.00010	<	0.00010
EAST FLUME	MG	4	6.4		4.1		5.4
EAST FLUME	MN	4	0.36		0.0050		0.15
EAST FLUME	NA	4	8.2		6.8		7.4
EAST FLUME	NI	4	0.036	<	0.0036	<	0.015
EAST FLUME	SI	4	4.1		1.6		3.0
EAST FLUME	SO4	4	30		14		20
EAST FLUME	SR	4	0.12		0.066		0.099
EAST FLUME	TI	4	0.020	<	0.012	<	0.016
EAST FLUME	TOTAL URANIUM	4	0.0010	<	0.0010	<	0.0010
EAST FLUME	V	4	0.012	<	0.0024	<	0.0060
EAST FLUME	ZN	4	0.041		0.0066		0.022
EAST FLUME	CONDUCTIVITY	4	0.90		0.34		0.66
EAST FLUME	DO	4	11		2.5		6.4
EAST FLUME	PH	4	7.4		6.8		7.1
EAST FLUME	TEMPERATURE	4	23		8.6		18
USGS FLUME	ACETONE	4	400	<	2.0	<	100
USGS FLUME	BENZENE	4	5.0	<	1.0	<	4.0
USGS FLUME	METHYLENE CHLORIDE	4	320	<	2.0	<	83
USGS FLUME	GROSS ALPHA	4	0.58		0.020		0.17
USGS FLUME	GROSS BETA	4	1.5		0.24		0.64
USGS FLUME	TOTAL SR	4	0.065		-0.070		0.0033
USGS FLUME	TRITIUM	4	110		19		52
USGS FLUME	AL	4	0.30	<	0.054	<	0.17
USGS FLUME	ALKALINITY	4	160		77		130
USGS FLUME	BA	4	0.071		0.037		0.058
USGS FLUME	BE	4	0.0024	<	0.00018	<	0.0012
USGS FLUME	CA	4	64		39		51
USGS FLUME	CD	4	0.0030	<	0.0012	<	0.0018
USGS FLUME	CL	4	9.6		2.6		4.8
USGS FLUME	CR	4	0.024	<	0.0036	<	0.010
USGS FLUME	FE	4	0.074	<	0.020	<	0.044
USGS FLUME	HG	4	0.00010	<	0.00010	<	0.00010
USGS FLUME	MG	4	5.2		4.0		4.7
USGS FLUME	MN	4	0.12		0.0042		0.076

Table B.12. (continued)

Media=Surface water Area=SWSA 7

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
USGS FLUME	NA	4	6.0		4.3		5.0
USGS FLUME	SI	4	3.3		1.6		2.6
USGS FLUME	SO4	4	21		11		16
USGS FLUME	SR	4	0.12		0.074		0.10
USGS FLUME	TI	4	0.020	<	0.012	<	0.015
USGS FLUME	TOTAL URANIUM	4	0.0010	<	0.0010	<	0.0010
USGS FLUME	V	4	0.012	<	0.0025	<	0.0060
USGS FLUME	ZN	4	0.032	<	0.0035	<	0.013
USGS FLUME	CONDUCTIVITY	4	0.90		0.080		0.55
USGS FLUME	DO	4	11		2.2		6.3
USGS FLUME	PH	4	7.8		6.7		7.5
USGS FLUME	TEMPERATURE	4	22		6.2		17
WEST FLUME	ACETONE	2	66	<	10	<	38
WEST FLUME	METHYLENE CHLORIDE	2	16	<	5.0	<	11
WEST FLUME	GROSS ALPHA	2	0.17		0.031		0.10
WEST FLUME	GROSS BETA	2	0.29		0.21		0.25
WEST FLUME	TOTAL SR	2	0.042		0.012		0.027
WEST FLUME	TRITIUM	2	72		36		54
WEST FLUME	ALKALINITY	2	36		27		31
WEST FLUME	BA	2	0.21		0.039		0.12
WEST FLUME	CA	2	28		20		24
WEST FLUME	CL	2	10		5.4		7.7
WEST FLUME	FE	2	0.039		0.024		0.032
WEST FLUME	MG	2	7.9		5.2		6.6
WEST FLUME	MN	2	0.043	<	0.0030	<	0.023
WEST FLUME	NA	2	6.6		6.3		6.5
WEST FLUME	SI	2	3.1		2.7		2.9
WEST FLUME	SO4	2	83		30		57
WEST FLUME	SR	2	0.083		0.060		0.072
WEST FLUME	TOTAL URANIUM	2	0.0010	<	0.0010	<	0.0010
WEST FLUME	V	2	0.012	<	0.0026	<	0.0073
WEST FLUME	ZN	2	0.020		0.0040		0.012
WEST FLUME	CONDUCTIVITY	2	0.30		0.050		0.18
WEST FLUME	DO	2	11		7.8		9.2
WEST FLUME	PH	2	7.7		7.6		7.7
WEST FLUME	TEMPERATURE	2	20		7.3		14

Table B.12. (continued)

Media=Surface water Area=Bear Creek Valley

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
FLUME 272	ETHYLBENZENE	3	5.0	<	2.0	<	4.0
FLUME 272	XYLENE (TOTAL)	3	5.0	<	2.0	<	4.0
FLUME 272	GROSS ALPHA	3	0.86		0		0.29
FLUME 272	GROSS BETA	3	2.1		0.48		1.2
FLUME 272	TOTAL SR	3	0.088		-0.040		0.019
FLUME 272	TRITIUM	3	110		5.0		45
FLUME 272	AL	3	0.13	<	0.062	<	0.10
FLUME 272	ALKALINITY	3	61		23		39
FLUME 272	BA	3	0.058	<	0.012	<	0.034
FLUME 272	BE	3	0.0012	<	0.00018	<	0.00064
FLUME 272	CA	3	20		15		18
FLUME 272	CD	3	0.0030	<	0.0012	<	0.0019
FLUME 272	CL	3	26		1.3		9.6
FLUME 272	CR	3	0.024	<	0.0036	<	0.011
FLUME 272	FE	3	0.062	<	0.012	<	0.031
FLUME 272	MG	3	3.6		2.1		2.8
FLUME 272	MN	3	0.16		0.0056		0.057
FLUME 272	NA	3	3.1		2.8		2.9
FLUME 272	SI	3	3.7		1.1		2.2
FLUME 272	SO4	3	23		10		15
FLUME 272	SR	3	0.055		0.040		0.046
FLUME 272	TOTAL URANIUM	3	0.0010	<	0.0010	<	0.0010
FLUME 272	V	3	0.012	<	0.0024	<	0.0061
FLUME 272	ZN	3	0.012	<	0.0044	<	0.0091
FLUME 272	CONDUCTIVITY	3	0.40		0.030		0.21
FLUME 272	DO	3	11		2.4		6.7
FLUME 272	PH	3	8.7		7.0		7.8
FLUME 272	TEMPERATURE	3	20		6.1		14
FLUME 273	ETHYLBENZENE	4	5.0	<	2.0	<	4.3
FLUME 273	METHYLENE CHLORIDE	4	5.0	<	2.0	<	4.3
FLUME 273	XYLENE (TOTAL)	4	5.0	<	4.0	<	4.8
FLUME 273	GROSS ALPHA	4	1.0		0.54		0.81
FLUME 273	GROSS BETA	4	2.9		0.73		1.7
FLUME 273	TOTAL SR	4	0.44		-0.020		0.16
FLUME 273	TRITIUM	4	63		5.0		23
FLUME 273	AL	4	0.28	<	0.063	<	0.18
FLUME 273	ALKALINITY	4	170		110		140
FLUME 273	B	4	0.28		0.23		0.25
FLUME 273	BA	4	0.27		0.076		0.13
FLUME 273	BE	4	0.0023	<	0.00018	<	0.0012
FLUME 273	CA	4	71		54		60

Table B.12. (continued)

Media=Surface water Area=Bear Creek Valley

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
FLUME 273	CD	4	0.0030	<	0.0010	<	0.0016
FLUME 273	CL	4	26		14		17
FLUME 273	CR	4	0.024	<	0.0036	<	0.010
FLUME 273	FE	4	0.020	<	0.012	<	0.016
FLUME 273	HG	4	0.00010	<	0.00010	<	0.00010
FLUME 273	LI	4	0.20	<	0.12	<	0.14
FLUME 273	MG	4	20		11		15
FLUME 273	MN	4	0.015		0.011		0.013
FLUME 273	NA	4	12		5.7		8.0
FLUME 273	NI	4	0.036	<	0.0036	<	0.012
FLUME 273	NO3	4	88		36		54
FLUME 273	SI	4	3.1		1.8		2.3
FLUME 273	SO4	4	34		14		21
FLUME 273	SR	4	0.16		0.10		0.12
FLUME 273	TI	4	0.020	<	0.012	<	0.015
FLUME 273	TOTAL URANIUM	4	0.0070		0.0010		0.0030
FLUME 273	V	4	0.012	<	0.0066	<	0.0081
FLUME 273	ZN	4	0.012	<	0.0018	<	0.0074
FLUME 273	CONDUCTIVITY	4	0.90		0.30		0.73
FLUME 273	DO	4	11		1.6		7.5
FLUME 273	PH	4	8.3		6.3		7.4
FLUME 273	TEMPERATURE	4	22		8.2		18
FLUME 672	BENZENE	5	5.0	<	1.0	<	4.2
FLUME 672	CARBON DISULFIDE	5	5.0	<	1.0	<	4.2
FLUME 672	CARBON TETRACHLORIDE	5	5.0	<	1.0	<	4.2
FLUME 672	ETHYLBENZENE	5	5.0	<	3.0	<	4.6
FLUME 672	METHYLENE CHLORIDE	5	8.0	<	2.0	<	5.0
FLUME 672	XYLENE (TOTAL)	5	5.0	<	2.0	<	4.4
FLUME 672	GROSS ALPHA	5	0.12		0		0.050
FLUME 672	GROSS BETA	5	1.2		0.25		0.75
FLUME 672	TOTAL SR	5	0.17		-0.050		0.070
FLUME 672	TRITIUM	5	100		-7.0		21
FLUME 672	AL	5	0.20	<	0.036	<	0.15
FLUME 672	ALKALINITY	5	120		38		72
FLUME 672	BA	5	0.079	<	0.012	<	0.043
FLUME 672	BE	5	0.0014	<	0.00018	<	0.00092
FLUME 672	CA	5	28		14		21
FLUME 672	CL	5	1.8		1.0		1.4
FLUME 672	CR	5	0.024	<	0.0036	<	0.013
FLUME 672	FE	5	0.15	<	0.012	<	0.067
FLUME 672	MG	5	5.7		2.8		4.6

Table B.12. (continued)

Media=Surface water Area=Bear Creek Valley

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
FLUME 672	MN	5	0.075		0.012		0.028
FLUME 672	NA	5	8.5		2.7		4.5
FLUME 672	SI	5	6.5		1.5		3.3
FLUME 672	SO4	5	26		6.9		16
FLUME 672	SR	5	0.10		0.045		0.071
FLUME 672	TI	5	0.039	<	0.012	<	0.019
FLUME 672	TOTAL URANIUM	5	0.0010	<	0.0010	<	0.0010
FLUME 672	V	5	0.012	<	0.0035	<	0.0072
FLUME 672	ZN	5	0.012	<	0.0018	<	0.0083
FLUME 672	CONDUCTIVITY	5	0.50		0.10		0.20
FLUME 672	DO	5	12		5.3		9.2
FLUME 672	PH	5	8.7		7.5		8.2
FLUME 672	TEMPERATURE	5	20		7.6		17
FLUME 673	BENZENE	4	5.0	<	1.0	<	4.0
FLUME 673	ETHYLBENZENE	4	5.0	<	3.0	<	4.5
FLUME 673	METHYLENE CHLORIDE	4	5.0	<	1.0	<	4.0
FLUME 673	GROSS ALPHA	4	1.6		1.2		1.5
FLUME 673	GROSS BETA	4	5.2		2.1		3.4
FLUME 673	TOTAL SR	4	1.1		0		0.50
FLUME 673	TRITIUM	4	100		13		44
FLUME 673	AL	4	0.34	<	0.058	<	0.18
FLUME 673	ALKALINITY	4	180		120		140
FLUME 673	B	4	0.52		0.37		0.45
FLUME 673	BA	4	0.11		0.076		0.095
FLUME 673	BE	4	0.0025	<	0.00018	<	0.0012
FLUME 673	CA	4	91		69		78
FLUME 673	CL	4	30		16		21
FLUME 673	CR	4	0.024	<	0.0036	<	0.010
FLUME 673	LI	4	0.24	<	0.18	<	0.21
FLUME 673	MG	4	23		13		17
FLUME 673	MN	4	0.016		0.0054		0.010
FLUME 673	NA	4	15		8.4		11
FLUME 673	NI	4	0.036	<	0.0036	<	0.013
FLUME 673	NO3	4	130		77		110
FLUME 673	SI	4	2.8		1.6		2.2
FLUME 673	SO4	4	44		22		28
FLUME 673	SR	4	0.22		0.16		0.18
FLUME 673	TI	4	0.028	<	0.012	<	0.018
FLUME 673	TOTAL URANIUM	4	0.0050		0.0020		0.0030
FLUME 673	V	4	0.012	<	0.0066	<	0.0082
FLUME 673	ZN	4	0.012	<	0.0018	<	0.0069

Table B.12. (continued)

Media=Surface water Area=Bear Creek Valley

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
FLUME 673	CONDUCTIVITY	4	0.90		0.40		0.63
FLUME 673	DO	4	12		6.3		9.0
FLUME 673	PH	4	8.4		6.7		7.9
FLUME 673	TEMPERATURE	4	20		7.9		17
FLUME 677	ETHYLBENZENE	3	5.0	<	3.0	<	4.3
FLUME 677	METHYLENE CHLORIDE	3	9.0	<	5.0	<	6.3
FLUME 677	XYLENE (TOTAL)	3	5.0	<	2.0	<	4.0
FLUME 677	GROSS ALPHA	3	0.21		0		0.070
FLUME 677	GROSS BETA	3	1.3		0.41		0.77
FLUME 677	TOTAL SR	3	0.10		0.040		0.077
FLUME 677	TRITIUM	3	85		12		43
FLUME 677	AL	3	0.17	<	0.036	<	0.11
FLUME 677	ALKALINITY	3	100		45		72
FLUME 677	B	3	0.072	<	0.048	<	0.056
FLUME 677	BA	3	0.070		0.026		0.045
FLUME 677	BE	3	0.0012	<	0.00018	<	0.00075
FLUME 677	CA	3	34		18		27
FLUME 677	CD	3	0.0030	<	0.0012	<	0.0018
FLUME 677	CL	3	2.2		1.0		1.6
FLUME 677	CR	3	0.024	<	0.0036	<	0.011
FLUME 677	CU	3	0.012	<	0.0050	<	0.0097
FLUME 677	FE	3	0.034	<	0.012	<	0.021
FLUME 677	MG	3	3.1		2.1		2.7
FLUME 677	MN	3	0.10		0.033		0.057
FLUME 677	NA	3	4.8		2.8		3.8
FLUME 677	SI	3	4.1		1.5		2.8
FLUME 677	SO4	3	21		5.4		12
FLUME 677	SR	3	0.092		0.052		0.074
FLUME 677	TI	3	0.014	<	0.012	<	0.013
FLUME 677	TOTAL URANIUM	3	0.0010	<	0.0010	<	0.0010
FLUME 677	V	3	0.012	<	0.0025	<	0.0050
FLUME 677	ZN	3	0.067	<	0.0094	<	0.029
FLUME 677	CONDUCTIVITY	3	0.60		0		0.22
FLUME 677	DO	3	11		5.8		9.0
FLUME 677	PH	3	8.2		7.9		8.0
FLUME 677	TEMPERATURE	3	20		7.2		15

Table B.12. (continued)

Media=Surface water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
FLUME 1	BENZENE	4	5.0	<	1.0	<	4.0
FLUME 1	METHYLENE CHLORIDE	4	9.0	<	2.0	<	4.8
FLUME 1	GROSS ALPHA	4	0.28		0.035		0.14
FLUME 1	GROSS BETA	4	0.75		0.26		0.60
FLUME 1	TOTAL SR	4	0.25		0.0030		0.084
FLUME 1	TRITIUM	4	89		8.0		41
FLUME 1	AL	4	0.20	<	0.056	<	0.13
FLUME 1	ALKALINITY	4	140		65		110
FLUME 1	BA	4	0.085		0.021		0.054
FLUME 1	BE	4	0.0020	<	0.00018	<	0.0011
FLUME 1	CA	4	38		18		27
FLUME 1	CL	4	4.3		1.0		2.2
FLUME 1	CR	4	0.024	<	0.0036	<	0.010
FLUME 1	FE	4	0.11	<	0.018	<	0.044
FLUME 1	HG	4	0.00010	<	0.00010	<	0.00010
FLUME 1	MG	4	17		7.5		12
FLUME 1	MN	4	0.042		0.0073		0.021
FLUME 1	NA	4	1.5		0.25		0.87
FLUME 1	NI	4	0.036	<	0.0036	<	0.012
FLUME 1	SI	4	3.6		1.6		2.4
FLUME 1	SO4	4	8.3	<	5.0	<	5.8
FLUME 1	SR	4	0.058		0.023		0.039
FLUME 1	TI	4	0.020	<	0.012	<	0.014
FLUME 1	TOTAL URANIUM	4	0.0010	<	0.0010	<	0.0010
FLUME 1	V	4	0.012	<	0.0048	<	0.0079
FLUME 1	ZN	4	0.048	<	0.0035	<	0.016
FLUME 1	CONDUCTIVITY	4	0.80		0.20		0.44
FLUME 1	DO	4	11		5.9		8.6
FLUME 1	PH	4	8.7		6.6		7.9
FLUME 1	TEMPERATURE	4	21		8.7		17
FLUME 3	BENZENE	4	5.0	<	1.0	<	4.0
FLUME 3	METHYLENE CHLORIDE	4	23	<	1.0	<	8.0
FLUME 3	GROSS ALPHA	4	0.70		0		0.25
FLUME 3	GROSS BETA	4	0.18		0		0.075
FLUME 3	TOTAL SR	4	0.22		-0.030		0.086
FLUME 3	TRITIUM	4	110		-5.0		46
FLUME 3	AL	4	0.15	<	0.036	<	0.10
FLUME 3	ALKALINITY	4	140		18		62
FLUME 3	BA	4	0.23		0.022		0.094
FLUME 3	BE	4	0.0015	<	0.00018	<	0.00083
FLUME 3	CA	4	32		8.9		15

Table B.12. (continued)

Media=Surface water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
FLUME 3	CL	4	6.3		1.0		2.9
FLUME 3	CR	4	0.024	<	0.0036	<	0.010
FLUME 3	FE	4	0.13	<	0.012	<	0.049
FLUME 3	HG	4	0.00010	<	0.00010	<	0.00010
FLUME 3	MG	4	18		2.8		7.9
FLUME 3	MN	4	0.14		0.0068		0.052
FLUME 3	NA	4	2.0	<	0.17	<	1.0
FLUME 3	NI	4	0.036	<	0.0036	<	0.012
FLUME 3	SI	4	3.7		1.3		2.3
FLUME 3	SO4	4	5.0	<	5.0	<	5.0
FLUME 3	SR	4	0.051		0.012		0.025
FLUME 3	TI	4	0.11	<	0.012	<	0.039
FLUME 3	TOTAL URANIUM	4	0.0010	<	0.0010	<	0.0010
FLUME 3	V	4	0.012	<	0.0027	<	0.0073
FLUME 3	ZN	4	0.012	<	0.0018	<	0.0068
FLUME 3	CONDUCTIVITY	4	0.80		0		0.26
FLUME 3	DO	4	10		6.3		8.3
FLUME 3	PH	4	8.3		6.3		7.7
FLUME 3	TEMPERATURE	4	25		8.4		18
FLUME 4	BENZENE	4	5.0	<	1.0	<	4.0
FLUME 4	ETHYLBENZENE	4	5.0	<	2.0	<	4.3
FLUME 4	METHYLENE CHLORIDE	4	5.0	<	2.0	<	4.3
FLUME 4	TOLUENE	4	5.0	<	1.0	<	4.0
FLUME 4	GROSS ALPHA	4	0.65		0.080		0.36
FLUME 4	GROSS BETA	4	1.7		0.25		1.0
FLUME 4	TOTAL SR	4	-0.020		-0.060		-0.040
FLUME 4	TRITIUM	4	120		-3.0		49
FLUME 4	AL	4	0.21	<	0.036	<	0.12
FLUME 4	ALKALINITY	4	130		11		52
FLUME 4	BA	4	0.17		0.010		0.087
FLUME 4	BE	4	0.0014	<	0.00018	<	0.00074
FLUME 4	CA	4	31		4.7		13
FLUME 4	CL	4	8.9		1.2		4.5
FLUME 4	CR	4	0.024	<	0.0036	<	0.0098
FLUME 4	FE	4	0.11	<	0.012	<	0.063
FLUME 4	HG	4	0.00020	<	0.00010	<	0.00013
FLUME 4	MG	4	16		1.9		6.3
FLUME 4	MN	4	1.8	<	0.0030	<	0.48
FLUME 4	NA	4	3.1	<	0.17	<	1.5
FLUME 4	SI	4	4.2		1.5		2.6
FLUME 4	SR	4	0.043		0.010		0.020

Table B.12. (continued)

Media=Surface water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qual-ifier	Min	Qual-ifier	Ave
FLUME 4	TI	4	0.020	<	0.012	<	0.015
FLUME 4	TOTAL URANIUM	4	0.0010	<	0.0010	<	0.0010
FLUME 4	V	4	0.012	<	0.0028	<	0.0068
FLUME 4	ZN	4	0.012	<	0.0018	<	0.0085
FLUME 4	CONDUCTIVITY	4	0.80		0.10		0.28
FLUME 4	DO	4	10		2.9		6.8
FLUME 4	PH	4	8.1		6.3		7.2
FLUME 4	TEMPERATURE	4	24		6.7		17
FLUME 7	ETHYLBENZENE	5	5.0	<	2.0	<	4.4
FLUME 7	METHYLENE CHLORIDE	5	5.0	<	2.0	<	4.4
FLUME 7	XYLENE (TOTAL)	5	5.0	<	2.0	<	4.4
FLUME 7	GROSS ALPHA	5	1.1		0.015		0.45
FLUME 7	GROSS BETA	5	1.8		0.13		0.83
FLUME 7	TOTAL SR	5	0.029		-0.010		0.017
FLUME 7	TRITIUM	5	120		-2.0		46
FLUME 7	AL	5	0.16	<	0.045	<	0.13
FLUME 7	ALKALINITY	5	140		120		130
FLUME 7	BA	5	0.022	<	0.012	<	0.019
FLUME 7	BE	5	0.0015	<	0.00018	<	0.00088
FLUME 7	CA	5	32		27		28
FLUME 7	CD	5	0.0030	<	0.0010	<	0.0015
FLUME 7	CL	5	1.1		1.0		1.0
FLUME 7	CR	5	0.024	<	0.0036	<	0.0097
FLUME 7	FE	5	0.020	<	0.012	<	0.016
FLUME 7	MG	5	19		15		17
FLUME 7	MN	5	0.0094	<	0.0030	<	0.0047
FLUME 7	NA	5	0.61	<	0.17	<	0.45
FLUME 7	SI	5	3.7		0.77		2.7
FLUME 7	SR	5	0.013		0.011		0.012
FLUME 7	TI	5	0.023	<	0.012	<	0.016
FLUME 7	TOTAL URANIUM	5	0.0010	<	0.0010	<	0.0010
FLUME 7	V	5	0.012	<	0.0070	<	0.0085
FLUME 7	ZN	5	0.012	<	0.0018	<	0.0084
FLUME 7	CONDUCTIVITY	5	0.60		0.10		0.32
FLUME 7	DO	5	12		5.6		8.4
FLUME 7	PH	5	8.8		7.9		8.3
FLUME 7	TEMPERATURE	5	20		8.2		16
FLUME 8	ETHYLBENZENE	2	5.0	<	3.0	<	4.0
FLUME 8	XYLENE (TOTAL)	2	5.0	<	2.0	<	3.5
FLUME 8	GROSS ALPHA	2	1.0		0.17		0.59
FLUME 8	GROSS BETA	2	1.2		0		0.60

Table B.12. (continued)

Media=Surface water Area=West Chestnut Ridge

Station	Analyte	No. of samples	Max	Qualifier	Min	Qualifier	Ave
FLUME 8	TOTAL SR	2	0.040		0.0040		0.022
FLUME 8	TRITIUM	2	100		40		70
FLUME 8	AL	2	0.061		0.054		0.058
FLUME 8	ALKALINITY	2	24		12		18
FLUME 8	BA	2	0.023		0.013		0.018
FLUME 8	CA	2	4.5		3.5		4.0
FLUME 8	CL	2	1.2		1.2		1.2
FLUME 8	CR	2	0.0055	<	0.0036	<	0.0046
FLUME 8	CU	2	0.0072	<	0.0060	<	0.0066
FLUME 8	FE	2	0.050		0.037		0.044
FLUME 8	MG	2	2.6		2.0		2.3
FLUME 8	MN	2	0.17		0.0032		0.087
FLUME 8	NA	2	0.56		0.49		0.53
FLUME 8	NI	2	0.0036	<	0.0036	<	0.0036
FLUME 8	SI	2	2.5		2.4		2.5
FLUME 8	SR	2	0.010		0.0093		0.0097
FLUME 8	TOTAL URANIUM	2	0.0010	<	0.0010	<	0.0010
FLUME 8	V	2	0.0027	<	0.0024	<	0.0026
FLUME 8	ZN	2	0.024		0.0053		0.015
FLUME 8	CONDUCTIVITY	2	0.10		0.10		0.10
FLUME 8	DO	2	9.2		3.3		6.3
FLUME 8	PH	2	7.5		5.9		6.7
FLUME 8	TEMPERATURE	2	16		7.2		12

Table B.13. QC sample collection and analysis activities

Station	Area	Type of QC sample	Type of analysis	Sampling period
		Groundwater		
WELL 1117	SWSA 7	Duplicate	Organics Radionuclides Inorganics	 3,4
WELL 18-B	West Chestnut Ridge	Duplicate	Organics Radionuclides Inorganics	 1,2,4
WELL B-01		Blank	Organics Radionuclides Inorganics	 3,4
WELL B-02		Blank	Organics	3
WELL S-01		Spike	Organics Radionuclides Inorganics	3,4 1,3,4 1,2,3,4
		Surface Water		
FLUME 672	Bear Creek Valley	Duplicate	Organics Radionuclides Inorganics	 1
FLUME 7	West Chestnut Ridge	Duplicate	Organics Radionuclides Inorganics	 3

Table B.14. Results of analysis of field blanks

---------- Type of analysis-Organics (ug/L) ----------

Blank id	Analyte	Sampling period	Qual-ifier	Result
WELL B-01	1,1,1-TRICHLOROETHANE	3	<	5.0
WELL B-01	1,1,1-TRICHLOROETHANE	4	<	5.0
WELL B-01	1,1,2,2-TETRACHLOROETHANE	3	<	5.0
WELL B-01	1,1,2,2-TETRACHLOROETHANE	4	<	5.0
WELL B-01	1,1,2-TRICHLOROETHANE	3	<	5.0
WELL B-01	1,1,2-TRICHLOROETHANE	4	<	5.0
WELL B-01	1,1-DICHLOROETHANE	3	<	5.0
WELL B-01	1,1-DICHLOROETHANE	4	<	5.0
WELL B-01	1,1-DICHLOROETHENE	3	<	5.0
WELL B-01	1,1-DICHLOROETHENE	4	<	5.0
WELL B-01	1,2-DICHLOROETHANE	3	<	5.0
WELL B-01	1,2-DICHLOROETHANE	4	<	5.0
WELL B-01	1,2-DICHLOROETHENE (TOTAL)	3	<	5.0
WELL B-01	1,2-DICHLOROETHENE (TOTAL)	4	<	5.0
WELL B-01	1,2-DICHLOROPROPANE	3	<	5.0
WELL B-01	1,2-DICHLOROPROPANE	4	<	5.0
WELL B-01	2-BUTANONE	3	<	10
WELL B-01	2-BUTANONE	4	<	10
WELL B-01	2-HEXANONE	3	<	10
WELL B-01	2-HEXANONE	4	<	10
WELL B-01	4-METHYL-2-PENTANONE	3	<	10
WELL B-01	4-METHYL-2-PENTANONE	4	<	10
WELL B-01	ACETONE	3	<	10
WELL B-01	ACETONE	4	B	11
WELL B-01	BENZENE	3	<	5.0
WELL B-01	BENZENE	4	J	1.0
WELL B-01	BROMODICHLOROMETHANE	3	<	5.0
WELL B-01	BROMODICHLOROMETHANE	4	<	5.0
WELL B-01	BROMOFORM	3	<	5.0
WELL B-01	BROMOFORM	4	<	5.0
WELL B-01	BROMOMETHANE	3	<	10
WELL B-01	BROMOMETHANE	4	<	10
WELL B-01	CARBON DISULFIDE	3	<	5.0
WELL B-01	CARBON DISULFIDE	4	<	5.0
WELL B-01	CARBON TETRACHLORIDE	3	<	5.0
WELL B-01	CARBON TETRACHLORIDE	4	<	5.0
WELL B-01	CHLOROBENZENE	3	<	5.0
WELL B-01	CHLOROBENZENE	4	<	5.0
WELL B-01	CHLOROETHANE	3	<	10
WELL B-01	CHLOROETHANE	4	<	10
WELL B-01	CHLOROFORM	3	<	5.0

Qualifiers

ORGANICS: B-Present in blank
J-Below detection limit, but estimated
E-Concentration exceeds the calibration range of the instrument

Table B.14. (continued)

---------- Type of analysis=Organics (ug/L) ----------

Blank id	Analyte	Sampling period	Qualifier	Result
WELL B-01	CHLOROFORM	4	<	5.0
WELL B-01	CHLOROMETHANE	3	<	10
WELL B-01	CHLOROMETHANE	4	<	10
WELL B-01	CIS-1,3-DICHLOROPROPENE	3	<	5.0
WELL B-01	CIS-1,3-DICHLOROPROPENE	4	<	5.0
WELL B-01	DIBROMOCHLOROMETHANE	3	<	5.0
WELL B-01	DIBROMOCHLOROMETHANE	4	<	5.0
WELL B-01	ETHYLBENZENE	3	<	5.0
WELL B-01	ETHYLBENZENE	4	J	3.0
WELL B-01	METHYLENE CHLORIDE	3	<	5.0
WELL B-01	METHYLENE CHLORIDE	4	JB	1.0
WELL B-01	STYRENE	3	<	5.0
WELL B-01	STYRENE	4		5.0
WELL B-01	TETRACHLOROETHENE	3	<	5.0
WELL B-01	TETRACHLOROETHENE	4	<	5.0
WELL B-01	TOLUENE	3	<	5.0
WELL B-01	TOLUENE	4	<	5.0
WELL B-01	TRANS-1,3-DICHLOROPROPENE	3	<	5.0
WELL B-01	TRANS-1,3-DICHLOROPROPENE	4	<	5.0
WELL B-01	TRICHLOROETHENE	3	<	5.0
WELL B-01	TRICHLOROETHENE	4	<	5.0
WELL B-01	VINYL ACETATE	3	<	10
WELL B-01	VINYL ACETATE	4	<	10
WELL B-01	VINYL CHLORIDE	3	<	10
WELL B-01	VINYL CHLORIDE	4	<	10
WELL B-01	XYLENE (TOTAL)	3	<	5.0
WELL B-01	XYLENE (TOTAL)	4	<	5.0
WELL B-02	1,1,1-TRICHLOROETHANE	3	<	5.0
WELL B-02	1,1,2,2-TETRACHLOROETHANE	3	<	5.0
WELL B-02	1,1,2-TRICHLOROETHANE	3	<	5.0
WELL B-02	1,1-DICHLOROETHANE	3	<	5.0
WELL B-02	1,1-DICHLOROETHENE	3	<	5.0
WELL B-02	1,2-DICHLOROETHANE	3	<	5.0
WELL B-02	1,2-DICHLOROETHENE (TOTAL)	3	<	5.0
WELL B-02	1,2-DICHLOROPROPANE	3	<	5.0
WELL B-02	2-BUTANONE	3	E	910
WELL B-02	2-HEXANONE	3	<	10
WELL B-02	4-METHYL-2-PENTANONE	3	<	10
WELL B-02	ACETONE	3	B	10
WELL B-02	BENZENE	3	<	5.0
WELL B-02	BROMODICHLOROMETHANE	3	<	5.0

Qualifiers

ORGANICS: B=Present in blank
J=Below detection limit, but estimated
E=Concentration exceeds the calibration range of the instrument

Table B.14. (continued)

---------- Type of analysis=Organics (ug/L) ----------

Blank id	Analyte	Sampling period	Qual-ifier	Result
WELL B-02	BROMOFORM	3	<	5.0
WELL B-02	BROMOMETHANE	3	<	10
WELL B-02	CARBON DISULFIDE	3	<	5.0
WELL B-02	CARBON TETRACHLORIDE	3		12
WELL B-02	CHLOROBENZENE	3	<	5.0
WELL B-02	CHLOROETHANE	3	<	10
WELL B-02	CHLOROFORM	3	<	5.0
WELL B-02	CHLOROMETHANE	3	<	10
WELL B-02	CIS-1,3-DICHLOROPROPENE	3	<	5.0
WELL B-02	DIBROMOCHLOROMETHANE	3	<	5.0
WELL B-02	ETHYLBENZENE	3	<	5.0
WELL B-02	METHYLENE CHLORIDE	3	<	5.0
WELL B-02	STYRENE	3	<	5.0
WELL B-02	TETRACHLOROETHENE	3	<	5.0
WELL B-02	TOLUENE	3	<	5.0
WELL B-02	TRANS-1,3-DICHLOROPROPENE	3	<	5.0
WELL B-02	TRICHLOROETHENE	3		15
WELL B-02	VINYL ACETATE	3	<	10
WELL B-02	VINYL CHLORIDE	3	<	10
WELL B-02	XYLENE (TOTAL)	3	<	5.0

Qualifiers

ORGANICS: B=Present in blank
J=Below detection limit, but estimated
E=Concentration exceeds the calibration range of the instrument

Table B.14. (continued)

---------- Type of analysis=Radionuclides (Bq/L) ----------

Blank id	Analyte	Sampling period	Qual-ifier	Result
WELL B-01	GROSS ALPHA	3		0.71
WELL B-01	GROSS ALPHA	4		0
WELL B-01	GROSS BETA	3		0.25
WELL B-01	GROSS BETA	4		0.11
WELL B-01	TOTAL SR	3		0.070
WELL B-01	TOTAL SR	4		0.070
WELL B-01	TRITIUM	3		-1.0
WELL B-01	TRITIUM	4		-46

Table B.14. (continued)

---------- Type of analysis-Inorganics (mg/L) ----------

Blank id	Analyte	Sampling period	Qual-ifier	Result
WELL B-01	ALKALINITY	3	<	2.5
WELL B-01	TOTAL URANIUM	3		0.0010
WELL B-01	AS	3	<	0.010
WELL B-01	AS	4	<	0.010
WELL B-01	HG	3	<	0.00010
WELL B-01	HG	4	<	0.00010
WELL B-01	SE	3	<	0.0050
WELL B-01	SE	4	<	0.0050
WELL B-01	TOTAL URANIUM	4		0.0020
WELL B-01	AG	3	<	0.0036
WELL B-01	AG	4	<	0.0060
WELL B-01	AL	3	<	0.036
WELL B-01	AL	4	<	0.050
WELL B-01	B	3	<	0.048
WELL B-01	B	4	<	0.080
WELL B-01	BA	3		0.015
WELL B-01	BA	4	<	0.0010
WELL B-01	BE	3	<	0.00018
WELL B-01	BE	4		0.00039
WELL B-01	CA	3	<	0.12
WELL B-01	CA	4	<	0.15
WELL B-01	CD	3	<	0.0012
WELL B-01	CD	4	<	0.0010
WELL B-01	CO	3	<	0.0018
WELL B-01	CO	4	<	0.0020
WELL B-01	CR	3		0.0047
WELL B-01	CR	4	<	0.0050
WELL B-01	CU	3	<	0.0060
WELL B-01	CU	4	<	0.010
WELL B-01	FE	3	<	0.012
WELL B-01	FE	4	<	0.020
WELL B-01	GA	3	<	0.18
WELL B-01	GA	4	<	0.30
WELL B-01	LI	3	<	0.12
WELL B-01	LI	4	<	0.20
WELL B-01	MG	3	<	0.0060
WELL B-01	MG	4		0.021
WELL B-01	MN	3	<	0.0030
WELL B-01	MN	4	<	0.0050
WELL B-01	MO	3	<	0.024
WELL B-01	MO	4	<	0.040

Table B.14. (continued)

---------- Type of analysis=Inorganics (mg/L) ----------

Blank id	Analyte	Sampling period	Qual-ifier	Result
WELL B-01	NA	3	<	0.12
WELL B-01	NA	4	<	0.17
WELL B-01	NI	3	<	0.0036
WELL B-01	NI	4	<	0.0060
WELL B-01	P	3	<	0.18
WELL B-01	P	4	<	0.30
WELL B-01	PB	3	<	0.030
WELL B-01	PB	4	<	0.030
WELL B-01	SB	3	<	0.030
WELL B-01	SB	4	<	0.050
WELL B-01	SI	3	<	0.12
WELL B-01	SI	4	<	0.20
WELL B-01	SN	3	<	0.030
WELL B-01	SN	4	<	0.050
WELL B-01	SR	3	<	0.0030
WELL B-01	SR	4	<	0.0050
WELL B-01	TI	3	<	0.012
WELL B-01	TI	4	<	0.020
WELL B-01	V	3	<	0.0024
WELL B-01	V	4	<	0.0040
WELL B-01	ZN	3		0.029
WELL B-01	ZN	4	<	0.0080
WELL B-01	ZR	3	<	0.012
WELL B-01	ZR	4	<	0.020
WELL B-01	ALKALINITY	4	<	2.5
WELL B-01	CL	3	<	1.0
WELL B-01	CL	4	<	100
WELL B-01	F	3	<	1.0
WELL B-01	F	4		5.0
WELL B-01	NO3	3	<	5.0
WELL B-01	NO3	4		7800
WELL B-01	PO4	3	<	5.0
WELL B-01	PO4	4	<	500
WELL B-01	SO4	3	<	5.0
WELL B-01	SO4	4	<	500

Table B.15. Results of analysis of duplicate field samples

---------- Type of Analysis=Organics (ug/L) in Ground water ----------

Analyte	Station	Sampling Period	Original Value	Duplicate Value	Relative Difference	% Differs by more than 20%
METH. CHLORIDE	WELL 1117	4	1.0	1.0	0	
METH. CHLORIDE	WELL 18-B	1	7.0	50	150	*
METH. CHLORIDE	WELL 18-B	4	1.0	1.0	0	
TOLUENE	WELL 18-B	4	1.0	1.0	0	

---------- Type of Analysis=Radionuclides (Bq/L) in Ground water ----------

Analyte	Station	Sampling Period	Original Value	Duplicate Value	Relative Difference	% Differs by more than 20%
GROSS BETA	WELL 1117	4	0.12	0.24	67	*

Table B.15. (continued)

---------- Type of Analysis-Inorganics (mg/L) in Ground water ----------

Analyte	Station	Sampling Period	Original Value	Duplicate Value	Relative Difference	% Differs by more than 20%
AL	WELL 1117	3	0.22	0.20	9.5	
AL	WELL 1117	4	0.37	0.37	1.1	
AL	WELL 18-B	2	0.063	0.045	33	*
AL	WELL 18-B	4	0.23	0.24	2.2	
ALKALINITY	WELL 1117	3	280	270	3.6	
ALKALINITY	WELL 1117	4	280	280	0.50	
ALKALINITY	WELL 18-B	1	170	170	0.80	
ALKALINITY	WELL 18-B	2	130	130	0.40	
ALKALINITY	WELL 18-B	4	170	170	0.80	
BA	WELL 1117	3	0.068	0.069	1.5	
BA	WELL 1117	4	0.066	0.13	64	*
BA	WELL 18-B	1	0.051	0.044	15	
BA	WELL 18-B	2	0.026	0.023	12	
BA	WELL 18-B	4	0.031	0.033	4.7	
BE	WELL 1117	3	0.0013	0.0013	0	
BE	WELL 1117	4	0.0028	0.0027	2.2	
BE	WELL 18-B	4	0.0022	0.0022	0.90	
CA	WELL 1117	3	87	89	2.3	
CA	WELL 1117	4	98	95	3.7	
CA	WELL 18-B	1	49	47	4.2	
CA	WELL 18-B	2	42	40	4.9	
CA	WELL 18-B	4	50	54	6.2	
CL	WELL 1117	3	1.3	1.3	0	
CL	WELL 1117	4	1.0	1.0	0	
CL	WELL 18-B	1	1.6	1.9	17	
CL	WELL 18-B	2	2.1	2.1	0	
CL	WELL 18-B	4	1.9	1.9	0	
CR	WELL 1117	3	0.0076	0.0076	0	
FE	WELL 1117	3	0.076	0.089	16	
FE	WELL 1117	4	0.17	0.13	30	*
MG	WELL 1117	3	13	13	0	
MG	WELL 1117	4	15	14	4.1	
MG	WELL 18-B	1	13	13	0	
MG	WELL 18-B	2	8.9	8.5	4.6	
MG	WELL 18-B	4	10	14	32	*
MN	WELL 1117	3	0.069	0.071	2.9	
MN	WELL 1117	4	0.034	0.034	0.30	
MN	WELL 18-B	1	0.0086	0.015	54	*
MN	WELL 18-B	2	0.0083	0.0050	50	*
MN	WELL 18-B	4	0.016	0.017	1.2	
NA	WELL 1117	3	12	12	0	
NA	WELL 1117	4	14	14	4.3	
NA	WELL 18-B	1	3.1	2.9	6.7	
NA	WELL 18-B	2	2.4	2.3	4.3	
NA	WELL 18-B	4	1.9	1.9	1.1	
SI	WELL 1117	4	10	9.9	4.3	
SI	WELL 18-B	1	3.2	3.3	3.1	
SI	WELL 18-B	2	1.7	1.3	27	*
SI	WELL 18-B	4	3.2	3.4	6.1	
SO4	WELL 1117	3	35	35	0	
SO4	WELL 1117	4	36	37	2.7	
SO4	WELL 18-B	1	5.0	6.8	31	*

Table B.15. (continued)

---------- Type of Analysis-Inorganics (mg/L) in Ground water ----------

Analyte	Station	Sampling Period	Original Value	Duplicate Value	Relative % Difference	Differs by more than 20%
SO4	WELL 18-B	2	8.1	8.2	1.2	
SO4	WELL 18-B	4	7.1	6.2	14	
SR	WELL 1117	3	0.64	0.66	3.1	
SR	WELL 1117	4	0.75	0.72	3.9	
SR	WELL 18-B	1	0.14	0.14	0	
SR	WELL 18-B	2	0.096	0.092	4.3	
SR	WELL 18-B	4	0.12	0.13	10	
TOTAL URANIUM	WELL 1117	3	0.0010	0.0010	0	
TOTAL URANIUM	WELL 1117	4	0.0020	0.0020	0	
TOTAL URANIUM	WELL 18-B	1	0.0010	0.0010	0	
TOTAL URANIUM	WELL 18-B	4	0.0020	0.0020	0	
V	WELL 1117	3	0.0069	0.0066	4.4	
V	WELL 1117	4	0.0072	0.0077	7.3	
V	WELL 18-B	2	0.0069	0.0070	1.4	
V	WELL 18-B	4	0.0074	0.0072	2.9	
ZN	WELL 1117	3	0.024	0.026	8.0	
ZN	WELL 18-B	2	0.0057	0.0029	65	•
ZN	WELL 18-B	4	0.044	0.045	3.8	

Table B.15. (continued)

---------- Type of Analysis=Organics (ug/L) in Surface water ----------

Analyte	Station	Sampling Period	Original Value	Duplicate Value	Relative % Difference	Differs by more than 20%
XYLENE (TOTAL)	FLUME 7	3	5.0	2.0	86	*

---------- Type of Analysis=Radionuclides (Bq/L) in Surface water ----------

Analyte	Station	Sampling Period	Original Value	Duplicate Value	Relative % Difference	Differs by more than 20%
GROSS ALPHA	FLUME 7	3	1.1	0.87	23	*
GROSS BETA	FLUME 7	3	1.8	1.2	40	*
TRITIUM	FLUME 7	3	120	88	31	*

Table B.15. (continued)

---------- Type of Analysis-Inorganics (mg/L) in Surface water ----------

Analyte	Station	Sampling Period	Original Value	Duplicate Value	Relative % Difference	Differs by more than 20%
AL	FLUME 672	1	0.20	0.20	0	
AL	FLUME 7	3	0.16	0.16	0	
ALKALINITY	FLUME 672	1	59	60	1.7	
ALKALINITY	FLUME 7	3	130	120	3.0	
BA	FLUME 7	3	0.021	0.021	0	
BE	FLUME 7	3	0.00080	0.00079	1.3	
CA	FLUME 672	1	21	21	0	
CA	FLUME 7	3	27	27	0	
CL	FLUME 672	1	1.8	1.5	18	
CL	FLUME 7	3	1.0	1.0	0	
CR	FLUME 7	3	0.0079	0.0080	1.3	
FE	FLUME 672	1	0.068	0.075	9.8	
FE	FLUME 7	3	0.015	0.014	6.9	
MG	FLUME 672	1	5.0	5.0	0	
MG	FLUME 7	3	17	17	0	
MN	FLUME 672	1	0.012	0.012	0	
NA	FLUME 672	1	4.6	4.5	2.2	
NA	FLUME 7	3	0.55	0.61	10	
SI	FLUME 672	1	4.8	2.1	78	*
SI	FLUME 7	3	0.77	3.1	120	*
SO4	FLUME 672	1	23	26	12	
SR	FLUME 672	1	0.071	0.070	1.4	
SR	FLUME 7	3	0.011	0.012	8.7	
TOTAL URANIUM	FLUME 672	1	0.0010	0.0010	0	
TOTAL URANIUM	FLUME 7	3	0.0010	0.0010	0	
V	FLUME 7	3	0.0070	0.0074	5.6	
ZN	FLUME 7	3	0.0084	0.012	35	*

Table B.16. Spike recoveries for 1st - 4th sampling periods

---------- Type of analysis=Organics (ug/L) ----------

Analyte	Sampling Period	Concen-tration	Spike	Percent Recovery	Differs by more than 20%
1,1,2,2-TETRACHLOROETHANE	3	48	130	38	*
1,1,2,2-TETRACHLOROETHANE	3	120	130	95	
1,1,2,2-TETRACHLOROETHANE	4	130	130	100	
1,1-DICHLOROETHENE	3	28	52	54	*
1,1-DICHLOROETHENE	3	46	52	88	
1,1-DICHLOROETHENE	4	56	52	110	
1,2-DICHLOROETHANE	3	29	62	46	*
1,2-DICHLOROETHANE	3	61	62	98	
1,2-DICHLOROETHANE	4	62	62	99	
1,2-DICHLOROETHENE (TOTAL)	3	69	140	50	*
1,2-DICHLOROETHENE (TOTAL)	3	120	140	87	
1,2-DICHLOROETHENE (TOTAL)	4	130	140	97	
1,2-DICHLOROPROPANE	3	46	100	46	*
1,2-DICHLOROPROPANE	3	100	100	100	
1,2-DICHLOROPROPANE	4	99	100	99	
CARBON TETRACHLORIDE	3	28	66	42	*
CARBON TETRACHLORIDE	3	58	66	87	
CARBON TETRACHLORIDE	4	65	66	98	
CHLOROBENZENE	3	45	100	45	*
CHLOROBENZENE	3	87	100	86	
CHLOROBENZENE	4	77	100	76	*
METHYLENE CHLORIDE	3	53	100	53	*
METHYLENE CHLORIDE	3	99	100	99	
METHYLENE CHLORIDE	4	120	100	120	*
TRICHLOROETHENE	3	57	120	46	*
TRICHLOROETHENE	3	140	120	110	
TRICHLOROETHENE	4	120	120	98	

Table B.16. (continued)

Analyte	Sampling Period	Concen-tration	Spike	Percent Recovery	Differs by more than 20%
Type of analysis=Radionuclides (Bq/L)					
GROSS BETA	1	48	45	110	
GROSS BETA	3	800	1400	57	*
GROSS BETA	3	1200	1400	85	
GROSS BETA	4	1500	1400	110	
TOTAL SR	1	24	22	110	
TOTAL SR	3	390	710	55	*
TOTAL SR	3	630	710	89	
TOTAL SR	4	780	710	110	
TRITIUM	3	450	670	67	*
TRITIUM	3	640	670	96	
TRITIUM	4	610	670	91	

Table B.16. (continued)

---------- Type of analysis-Inorganics (mg/L) ----------

Analyte	Sampling Period	Concen-tration	Spike	Percent Recovery	Differs by more than 20%
AL	1	0.36	0.36	100	
AL	2	0.44	0.56	79	*
AL	3	0.39	0.40	98	
AL	4	0.33	0.40	82	
ALKALINITY	1	39	39	99	
ALKALINITY	2	28	29	94	
ALKALINITY	3	39	39	99	
ALKALINITY	4	37	39	94	
AS	1	0.053	0.053	99	
AS	3	0.050	0.053	94	
AS	4	0.050	0.053	94	
BE	1	0.11	0.12	92	
BE	2	0.10	0.11	91	
BE	3	0.12	0.13	93	
BE	4	0.12	0.13	89	
CA	1	0.060	21	0.28	*
CA	2	0.12	22	0.56	*
CA	3	0.12	21	0.56	*
CA	4	0.15	21	0.70	*
CD	1	0.013	0.020	65	*
CD	2	0.011	0.030	37	*
CD	3	0.020	0.021	93	
CD	4	0.0060	0.021	28	*
CL	1	51	45	110	
CL	2	53	56	94	
CL	3	47	45	100	
CL	4	47	45	100	
CO	1	0.13	0.13	100	
CO	2	0.096	0.11	87	
CO	3	0.13	0.14	91	
CO	4	0.12	0.14	83	
CR	1	0.13	0.13	100	
CR	2	0.12	0.11	110	
CR	3	0.13	0.14	91	
CR	4	0.14	0.14	99	
CU	1	0.18	0.17	110	
CU	2	0.13	0.11	120	
CU	3	0.17	0.19	91	
CU	4	0.22	0.19	120	
F	1	10	9.8	100	
F	2	15	17	90	
F	3	14	12	110	
F	4	12	12	98	
FE	1	0.39	0.40	98	
FE	2	0.096	0.11	87	
FE	3	0.40	0.44	91	
FE	4	0.38	0.44	86	
HG	1	0.00090	0.0013	69	*
HG	3	0.0010	0.0013	77	*
HG	4	0.0010	0.0013	77	*

Table B.16. (continued)

---------- Type of analysis=Inorganics (mg/L) ----------

Analyte	Sampling Period	Concen-tration	Spike	Percent Recovery	Differs by more than 20%
MG	1	0.019	4.4	0.43	*
MG	2	0.0075	5.4	0.14	*
MG	3	0.0071	4.4	0.16	*
MG	4	0.010	4.4	0.23	*
MN	1	0.17	0.17	100	
MN	2	0.11	0.11	100	
MN	3	0.17	0.19	89	
MN	4	0.18	0.19	92	
NA	1	0.30	25	1.2	*
NA	2	0.12	22	0.56	*
NA	3	0.25	24	1.0	*
NA	4	0.17	24	0.70	*
NI	1	0.11	0.10	110	
NI	2	0.11	0.11	100	
NI	3	0.11	0.11	96	
NI	4	0.11	0.11	98	
NO3	1	40	36	110	
NO3	2	26	22	120	
NO3	3	49	38	130	*
NO3	4	39	38	100	
PB	1	0.23	0.22	100	
PB	2	0.11	0.11	100	
PB	3	0.23	0.24	96	
PB	4	0.21	0.24	87	
SE	1	0.019	0.022	87	
SE	3	0.019	0.022	87	
SE	4	0.019	0.022	87	
SO4	1	47	49	95	
SO4	2	22	22	100	
SO4	3	45	49	91	
SO4	4	46	49	93	
TOTAL URANIUM	1	0.0010	13	0.0078	*
TOTAL URANIUM	2	0.25	29	0.87	*
TOTAL URANIUM	3	0.57	28	2.0	*
TOTAL URANIUM	4	26	28	92	
V	1	0.37	0.42	88	
V	2	0.23	0.28	82	
V	3	0.41	0.47	88	
V	4	0.38	0.47	82	
ZN	1	0.20	0.21	95	
ZN	2	0.089	0.11	81	
ZN	3	0.22	0.23	96	
ZN	4	0.20	0.23	89	

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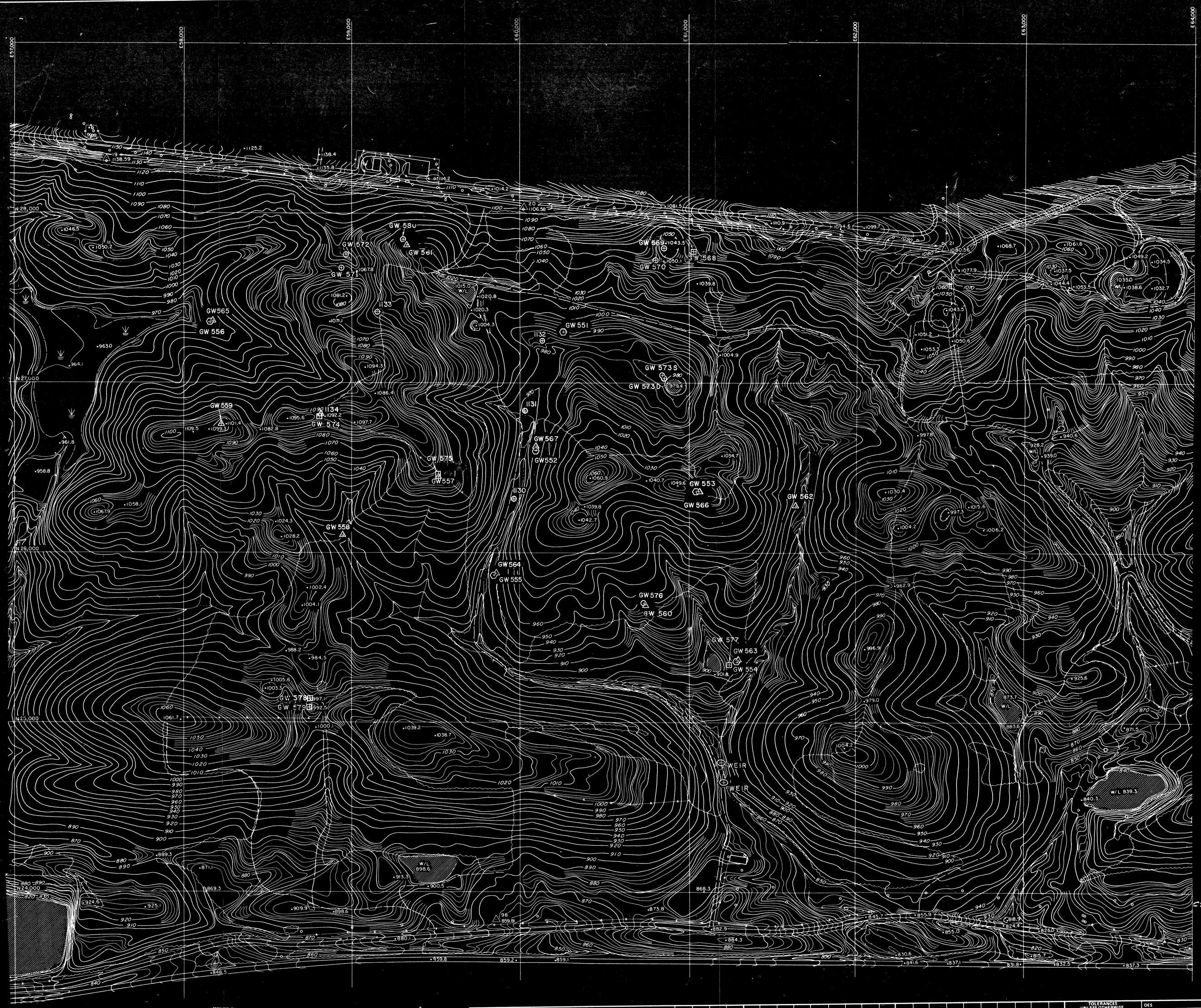


EAST CHESTNUT RIDGE COREHOLE AND WELL SURVEY DATA

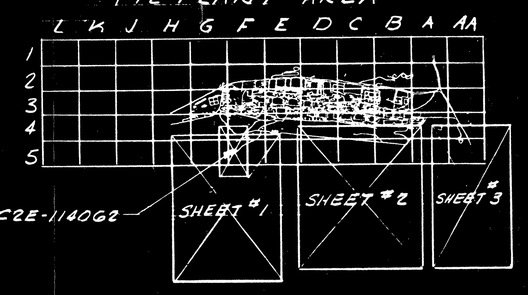
WELL ID	Y-12 PLANT GRID COORDINATES NORTH	EAST	CASING DIAMETER	TOP OF CASING	ELEVATIONS GROUND	CONCRETE PAD
GW-551	27592.80	60283.02	4.5"	991.37	990.30	990.06
			7"	990.66		
			1"	994.20		
GW-552	25411.06	60804.43	5"	969.19	968.84	968.40
			1"	972.26		
GW-553	26362.62	61044.99	4.5"	1045.88	1043.26	1045.79
			1"	1049.09		
GW-554	25355.73	61287.68	4.5"	907.82	906.80	907.07
			1"	911.29		
GW-555	25867.53	59850.81	4.5"	936.08	934.91	935.32
			7"	935.19		
			1"	937.43		
GW-556	27358.98	58158.65	4.5"	983.12	982.46	983.08
			7"	982.87		
			12"	982.35		
			1"	986.46		
GW-557	26650.11	59519.59	10"	1081.63	1078.63	1079.17
			4"	1081.16		
GW-558	26102.95	58948.72	10"	984.51	981.41	982.02
			4"	985.07		
GW-559	28753.05	58226.65	10"	1103.20	1100.20	1100.81
			4"	1102.79		
GW-560	25492.28	60743.42	10"	939.40	936.17	936.92
			4"	938.92		
GW-561	27810.46	59823.30	10"	1033.76	1030.74	1031.31
			4"	1033.35		
GW-562	26276.29	61610.17	10"	935.00	931.86	932.46
			4"	934.49		
GW-563	25367.66	61292.63	10"	910.45	907.50	908.04
			4"	909.93		
GW-564	25872.94	59665.28	10"	983.19	935.12	935.75
			4"	937.77		
GW-565	27362.65	58174.46	10"	985.79	982.68	983.27
			4"	985.29		
GW-566	26360.15	61060.32	10"	1048.55	1045.62	1046.21
			4"	1047.97		
GW-567	26622.64	60096.01	10"	971.65	968.71	969.28
			4"	971.07		
GW-568	27775.19	61015.00			1003.25	
GW-569	27796.42	60857.60	2"	1047.57	1042.54	
GW-570	27724.68	60818.33	2"	1051.46	1050.29	
GW-571	27672.31	58955.45	2"	1063.11	1062.22	
GW-572	27750.63	58964.26	2"	1076.80	1072.09	
GW-573-D	27828.24	60852.25	2"	985.07	979.95	
GW-573-S	27044.36	60847.48	2"	982.57	980.04	
GW-574	26800.34	58819.85			1094.02	
GW-575	26459.95	59514.21			1078.62	
GW-576	25697.88	60748.02	2"	938.93	935.95	
GW-577	25340.21	61243.78			904.02	
GW-578	25134.53	58769.55			999.37	
GW-579	25086.16	58768.07			994.73	
GW-580	27846.29	59509.35	2"	1036.16	1032.91	
1130	26813.64	59971.87	4"	949.89	948.14	948.55
			6"	950.19		
1131	26833.79	60035.50	4"	972.31	969.19	969.65
			6"	972.57		
1132	27242.84	60134.39	4"	986.85	984.43	984.93
			6"	987.15		
1133	27423.24	59147.36	4"	1062.34	1060.81	1061.35
			6"	1062.61		
1134	26813.67	58819.09	4"	1095.20	1094.57	1095.00
			8"	1096.62		
Weir	24764.76	61193.71		862.63		
Weir	24668.23	61206.72		858.66		

LEGEND:

- ○ CORE HOLE
- △ BEDROCK PIEZOMETER
- ○ SHALLOW PIEZOMETER
- □ SOIL BORINGS W/ NO WELL
- ○ WEIR

ORNL/TM-11416

Y-12 PLANT AREA



C2E-114062

PREPARED BY CONTINENTAL AERIAL SURVEYS, INC.

P.O. BOX 300, 37720 ALCOA, TENNESSEE (615) 970-3119

ROUTE 5, BOX 241, 33830 BARTOW, FLORIDA (813) 533-0984

1" = 200'

SCALE

CONTOUR INTERVAL 2 FEET

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

REV	DESCRIPTION	A.E	BY	CHK	SECT	DEPT	DATE	PE	REQ	DATE	MM.ES	DATE	DOE	DATE
0	ISSUED APPROVED			L.S.										

REVISION OR ISSUE PURPOSE — REVISION APPROVALS

CA EC EE EM IE M PD SE XAD — SQUAD CHECK

TOLERANCES UNLESS OTHERWISE SPECIFIED: FRACTIONS ±; XX DECIMALS ±; XXX DECIMALS ±; ANGLES; BREAK SHARP EDGES MAX; FINISH

A.E — MM.ES — DOE — DRAWING APPROVALS

DES — DRW — CHK — SECT — DEPT & PLANT — DATE

MARTIN MARIETTA — MARTIN MARIETTA ENERGY SYSTEMS, INC.

operated for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE AC 05 84OR21400

OAK RIDGE, TENNESSEE • PADUCAH, KENTUCKY

EAST CHESTNUT RIDGE COREHOLE AND WELL LOCATION MAP

E.CHEST.RIDGE LOC.MAP

1	48	49	50	PLANT	BLDG	FL	SHT	OF	TYPE
2	C	M	N	Y-12					M

CLASS: U

SCALE: 1" = 200' — ID: E — REV: 0